SDG COVER PAGE

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

Lab Code: ACE Case No.: 51495 MA No.: 3221.2 SDG No.: MYD5W7

SOW No. : SFAM01.1

EPA Sample No.	Lab Sample Id	Analysis Method ICP-AES	ICP-MS	Mercury	Cyanide
MYD599	P2797-01		X		
MYD5W7	P2797-02		X		
MYD5W8	P2797-03		X		
MYD5W9	P2797-04		X		
MYD5Z1	P2797-05		X		
MYD4P3	P2797-06		X		
MYD4P4	P2797-07		X		
MYD4P5	P2797-08		X		
MYD4P6	P2797-09		X		
MYD4P7	P2797-10		X		
MYD4P8	P2797-11		X		
MYD4P9	P2797-12		X		
MYD4P9D	P2797-13		X		
MYD4P9S	P2797-14		X		
MYD4Q0	P2797-15		X		
MYD4Q1	P2797-16		X		
MYD4Q2	P2797-17		X		
MYD4Q3	P2797-18		X		
MYD4Q4	P2797-19		X		
MYD4Q5	P2797-20		X		
MYD4Q6	P2797-21		X		
MYD4Q7	P2797-22		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 6250 0336

CHAIN OF CUSTODY RECORD

Case #: 51495
Cooler #: 51495-069

No: 9-060724-142810-0069
Lab: Alliance Technical Group LLC
Lab Contact: Mohammad Ahmed
Lab Phone: 908-728-3151

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Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
RB-20240605	MYD599	Water (Blanks Only)/ REAC	Grab	ICP-AES 11(21)	9-3727 (HNO3) (1)	IKM Staging Area	06/05/2024 15:54	pH 1.6
RB-20240603	MYD5W7	Water (Blanks Only)/ REAC	Grab	ICP-AES 11(21)	9-3951 (None) (1)	IKM Staging Area	06/03/2024 16:44	
RB-20240606	MYD5W8	Water (Blanks Only)/ REAC	Grab	ICP-AES 11(21)	9-3952 (None) (1)	IKM Staging Area	06/06/2024 16:00	
RB-20240604	MYD5W9	Water (Blanks Only)/ REAC	Grab	ICP-AES 11(21)	9-3953 (None) (1)	IKM Staging Area	06/04/2024 15:58	
RB-20240607	MYD5Z1	Water (Blanks Only)/ REAC	Grab	ICP-AES 11(21)	9-3975 (None) (1)	IKM Staging Area	06/07/2024 13:20	

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	Caroline Cyamo Weston	6/7/2024 15:00		6/8/24	2.1°
				10:35	Item # 2
					Temp blank 2nd
					Chain submitted

USEPA CLP COC (LAB COPY)
DateShipped: 6/7/2024
CarrierName: FedEx
AirbillNo: 7767 4277 2340

CHAIN OF CUSTODY RECORD

Case #: 51495
Cooler #: 51495-061

No: 9-060624-113924-0061
Lab: Alliance Technical Group LLC
Lab Contact: Mohammad Ahmed
Lab Phone: 908-728-3151

3

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
2118-M-00005-01	MYD4P0	Soil/ ERT	Grab	ICP-AES 11(21)	9-3538 (None) (1)	2118-M-00005	06/05/2024 11:29	
2118-K-00008-01	MYD4P1	Soil/ ERT	Grab	ICP-AES 11(21)	9-3539 (None) (1)	2118-K-00008	06/05/2024 10:09	
2118-E-00001-01	MYD4P2	Soil/ REAC	Grab	ICP-AES 11(21)	9-3540 (None) (1)	2118-E-00001	06/05/2024 13:21	
2118-C-00004-01	MYD4P3	Soil/ REAC	Grab	ICP-AES 11(21)	9-3541 (None) (1)	2118-C-00004	06/05/2024 13:21	6
2118-D-00005-02	MYD4P4	Soil/ REAC	Grab	ICP-AES 11(21)	9-3542 (None) (1)	2118-D-00005	06/05/2024 13:18	7
2118-C-00006-01	MYD4P5	Soil/ REAC	Grab	ICP-AES 11(21)	9-3543 (None) (1)	2118-C-00006	06/05/2024 13:17	8
2118-C-00009-01	MYD4P6	Soil/ REAC	Grab	ICP-AES 11(21)	9-3544 (None) (1)	2118-C-00009	06/05/2024 13:07	9
2118-H-00003-01	MYD4P7	Soil/ REAC	Grab	ICP-AES 11(21)	9-3545 (None) (1)	2118-H-00003	06/05/2024 15:15	10
2118-J-00001-01	MYD4P8	Soil/ REAC	Grab	ICP-AES 11(21)	9-3546 (None) (1)	2118-J-00001	06/05/2024 15:05	11
2118-J-00005-03	MYD4P9	Soil/ REAC	Grab	ICP-AES 11(21)	9-3547 (None) (1)	2118-J-00005	06/05/2024 15:22	12
2118-G-00003-01	MYD4Q0	Soil/ REAC	Grab	ICP-AES 11(21)	9-3548 (None) (1)	2118-G-00003	06/05/2024 15:21	13
2118-J-00008-01	MYD4Q1	Soil/ REAC	Grab	ICP-AES 11(21)	9-3549 (None) (1)	2118-J-00008	06/05/2024 15:20	14
2118-I-00001-01	MYD4Q2	Soil/ ERT	Grab	ICP-AES 11(21)	9-3550 (None) (1)	2118-I-00001	06/05/2024 15:20	15
2118-A-00002-01	MYD4Q3	Soil/ REAC	Grab	ICP-AES 11(21)	9-3551 (None) (1)	2118-A-00002	06/05/2024 15:22	16
2118-H-00003-02	MYD4Q4	Soil/ REAC	Grab	ICP-AES 11(21)	9-3552 (None) (1)	2118-H-00003	06/05/2024 15:16	17
2118-G-00001-01	MYD4Q5	Soil/ REAC	Grab	ICP-AES 11(21)	9-3553 (None) (1)	2118-G-00001	06/05/2024 15:24	18
2118-I-00007-01	MYD4Q6	Soil/ REAC	Grab	ICP-AES 11(21)	9-3554 (None) (1)	2118-I-00007	06/05/2024 15:15	19
2118-H-00006-01	MYD4Q7	Soil/ REAC	Grab	ICP-AES 11(21)	9-3555 (None) (1)	2118-H-00006	06/05/2024 15:12	20
2118-I-00010-01	MYD4Q8	Soil/ REAC	Grab	ICP-AES 11(21)	9-3556 (None) (1)	2118-I-00010	06/05/2024 15:10	

Sample(s) to be used for Lab QC: 2118-J-00005-03 Tag 9-3547 - 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	Caroline Cuyano Weston	6/7/2024 15:00		6-10-24 0854	22.4°C IR Gun #1
					custody seals intact
					NO Temp BKA

FORM DC-1

SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page 1 of 1
Received By (Print Name) George Nesbitt		Log-in Date 6/7/2024-6/8/2024
Received By (Signature)		
Case Number 51495	SDG No. MYD599 & MYD5W7	MA No. ~~N/A~~ 32080 H & 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.	776762500336 1
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	2.1 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	06/08/2024
12. Time Received	10:35

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
1	MYD599	1.6	9-3727	P2797-01	Intact
2	MYD5W7	1.6	9-3951	P2797-02	Intact
3	MYD5W8	1.6	9-3952	P2797-03	Intact
4	MYD5W9	1.6	9-3953	P2797-04	Intact
5	MYD5Z1	1.6	9-3975	P2797-05	Intact
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) Cassandra Peria		Log-in Date **6/10/2024**
Received By (Signature)		
Case Number 51495	SDG No. MYD599 & MYD5W7	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.	776742772340 2
6. Shipping Container Temperature Indicator Bottle	Absent
7. Shipping Container Temperature	22.9 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 Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
1	MYD4P3	N/A	9-3541	P2797-06	Intact
2	MYD4P4	N/A	9-3542	P2797-07	Intact
3	MYD4P5	N/A	9-3543	P2797-08	Intact
4	MYD4P6	N/A	9-3544	P2797-09	Intact
5	MYD4P7	N/A	9-3545	P2797-10	Intact
6	MYD4P8	N/A	9-3546	P2797-11	Intact
7	MYD4P9	N/A	9-3547	P2797-12	Intact
8	MYD4P9D	N/A	9-3547	P2797-13	Intact
9	MYD4P9S	N/A	9-3547	P2797-14	Intact
10	MYD4Q0	N/A	9-3548	P2797-15	Intact
11	MYD4Q1	N/A	9-3549	P2797-16	Intact
12	MYD4Q2	N/A	9-3550	P2797-17	Intact
13	MYD4Q3	N/A	9-3551	P2797-18	Intact
14	MYD4Q4	N/A	9-3552	P2797-19	Intact
15	MYD4Q5	N/A	9-3553	P2797-20	Intact
16	MYD4Q6	N/A	9-3554	P2797-21	Intact
17	MYD4Q7	N/A	9-3555	P2797-22	Intact
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-2
COMPLETE SDG FILE (CSF) INVENTORY SHEET

LAB NAME	**Alliance Technical Group, LLC**		
LAB CODE	**ACE**		
CONTRACT NO.	**68HERH20D0011**		
CASE NO.	**51495**	SDG NO.	**MYD5W7**
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	14	✓	
6 . Communication Logs	15	18	✓	
7 . Percent Solids Log	19	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	506	✓	
Other Data				
19 . Standard and Reagent Preparation Logs	507	654	✓	
20 . Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	655	658	✓	
21 . Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	659	663	✓	
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)	664	665	✓	
Sample Tags	NA	NA	✓	
Sample Log-In Sheet (Lab)	666	668	✓	
45. Misc. Shipping/Receiving Records (list all individual records)				
	NA	NA	✓	
46. Internal Lab Sample Transfer Records and Tracking Sheets (describe or list)				
	669	670	✓	
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 # MYD5W7
CASE # 51495
CONTRACT # 68HERH20D0011
SOW# SFAM01.1
LAB NAME: Alliance Technical Group, LLC
LAB CODE: ACE
LAB ORDER ID #P2797
MODIFIED ANALYSIS#3221.2

A. Number of Samples and Date of Receipt

15 Soil & 05 Water sample were delivered to the laboratory intact on 06/08/2024, 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.

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

C. Cooler Temp

Indicator Bottle**: Presence/Absence**

Cooler: 2.1^{o}C, 22.9^{o}C

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

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

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 MYD4P4 For Antimony:

If C = 1.83 ppb
Vf = 500 ml
W = 1.23 g
S = 0.986(98.6/100)
DF = 1

$$\text{Concentration (mg/kg)} = 1.83 \times \frac{500}{1.23 \times 0.986} \times 1 / 1000$$

$$= 0.7544 \text{ mg/kg}$$

$$= 0.75 \text{ mg/kg (Reported Result with Signification)}$$

Calculation for ICP-MS Water Sample:

$$\text{Concentration or Result } (\mu g/L) = C \times \frac{Vf}{Vi} \times DF$$

Where,

C = Instrument value in ppb (The average of all replicate integrations)
Vf = Final digestion volume (mL)
Vi = Initial aliquot amount (mL) (Sample amount taken in prep)
DF = Dilution Factor

Example Calculation For Sample MYD599 For Zinc:

If C = 1.43 ppb
Vf = 50 ml
Vi = 50 ml
DF = 1

$$\text{Concentration or Result } (\mu g/L) = 1.43 \times \frac{50}{50} \times 1$$

$$= 1.43\ \mu g/L$$

$$= 1.4\ \mu g/L \text{ (Reported Result with Signification)}$$

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 (MYD4P9S) did meet requirements except for Vanadium. 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

284 Sheffield Street
Mountainside, NJ 07092

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

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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: 6/12/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 12:25
In Date: 06/11/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 07:25
Out Date: 06/12/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB131170

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
P2797-06	MYD4P3	1	1.15	8.39	9.54	9.39	98.2	
P2797-07	MYD4P4	2	1.18	8.68	9.86	9.74	98.6	
P2797-08	MYD4P5	3	1.18	8.56	9.74	9.55	97.8	
P2797-09	MYD4P6	4	1.15	8.58	9.73	9.51	97.4	
P2797-10	MYD4P7	5	1.18	8.42	9.6	9.5	98.8	
P2797-11	MYD4P8	6	1.18	8.62	9.8	9.44	95.8	
P2797-12	MYD4P9	7	1.15	8.58	9.73	9.5	97.3	
P2797-13	MYD4P9D	8	1.15	8.58	9.73	9.5	97.3	
P2797-14	MYD4P9S	9	1.15	8.58	9.73	9.5	97.3	
P2797-15	MYD4Q0	10	1.16	8.80	9.96	9.77	97.8	
P2797-16	MYD4Q1	11	1.14	8.79	9.93	9.71	97.5	
P2797-17	MYD4Q2	12	1.18	8.66	9.84	9.65	97.8	
P2797-18	MYD4Q3	13	1.13	8.74	9.87	9.52	96.0	
P2797-19	MYD4Q4	14	1.12	8.44	9.56	9.48	99.1	
P2797-20	MYD4Q5	15	1.13	8.84	9.97	9.66	96.5	
P2797-21	MYD4Q6	16	1.18	8.39	9.57	9.11	94.5	
P2797-22	MYD4Q7	17	1.18	8.43	9.61	9.55	99.3	

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

WORKLIST(Hardcopy Internal Chain)

LB 131176

WorkList Name : %1-p2797 **WorkList ID :** 180968 **Department :** Wet-Chemistry **Date :** 06-11-2024 09:02:11

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P2797-06	MYD4P3	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/05/2024	Chemtech -SO
P2797-07	MYD4P4	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/05/2024	Chemtech -SO
P2797-08	MYD4P5	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/05/2024	Chemtech -SO
P2797-09	MYD4P6	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/05/2024	Chemtech -SO
P2797-10	MYD4P7	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/05/2024	Chemtech -SO
P2797-11	MYD4P8	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/05/2024	Chemtech -SO
P2797-12	MYD4P9	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/05/2024	Chemtech -SO
P2797-13	MYD4P9D	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/05/2024	Chemtech -SO
P2797-14	MYD4P9S	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/05/2024	Chemtech -SO
P2797-15	MYD4Q0	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/05/2024	Chemtech -SO
P2797-16	MYD4Q1	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/05/2024	Chemtech -SO
P2797-17	MYD4Q2	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/05/2024	Chemtech -SO
P2797-18	MYD4Q3	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/05/2024	Chemtech -SO
P2797-19	MYD4Q4	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/05/2024	Chemtech -SO
P2797-20	MYD4Q5	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/05/2024	Chemtech -SO
P2797-21	MYD4Q6	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/05/2024	Chemtech -SO
P2797-22	MYD4Q7	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/05/2024	Chemtech -SO

20

Date/Time 06.11.24 12.00

Raw Sample Received by: JD (CSM)

Raw Sample Relinquished by: JD (CSM)

Date/Time 06.11.24 12.30

Raw Sample Received by: JD (CSM)

Raw Sample Relinquished by: JD (CSM)

EPA SAMPLE NO.

MYD4P3

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.: MYD5W7

Matrix: SOIL Lab Sample ID: P2797-06

% Solids: 98.2 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	0.053	J	10/02/2024	1738
7440-38-2	Arsenic	23		10/02/2024	1738
7440-39-3	Barium	120		10/02/2024	1738
7440-41-7	Beryllium	0.50		10/02/2024	1738
7440-43-9	Cadmium	0.18	J	10/02/2024	1738
7440-47-3	Chromium	16		10/02/2024	1738
7440-48-4	Cobalt	15		10/02/2024	1738
7440-50-8	Copper	36		10/02/2024	1738
7439-92-1	Lead	16		10/02/2024	1738
7440-02-0	Nickel	15		10/02/2024	1738
7782-49-2	Selenium	0.48	J	10/02/2024	1738
7440-22-4	Silver	0.073	J	10/02/2024	1738
7440-28-0	Thallium	0.098	J	10/02/2024	1738
7440-62-2	Vanadium	59	*	10/02/2024	1738
7440-66-6	Zinc	74		10/02/2024	1738

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

Comments:

EPA SAMPLE NO.

MYD4P4

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.: MYD5W7

Matrix: SOIL Lab Sample ID: P2797-07

% Solids: 98.6 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	0.75	J	10/02/2024	1741
7440-38-2	Arsenic	39		10/02/2024	1741
7440-39-3	Barium	110		10/02/2024	1741
7440-41-7	Beryllium	0.52		10/02/2024	1741
7440-43-9	Cadmium	0.56		10/02/2024	1741
7440-47-3	Chromium	19		10/02/2024	1741
7440-48-4	Cobalt	13		10/02/2024	1741
7440-50-8	Copper	58		10/02/2024	1741
7439-92-1	Lead	28		10/02/2024	1741
7440-02-0	Nickel	16		10/02/2024	1741
7782-49-2	Selenium	0.63	J	10/02/2024	1741
7440-22-4	Silver	0.20	J	10/02/2024	1741
7440-28-0	Thallium	0.18	J	10/02/2024	1741
7440-62-2	Vanadium	63	*	10/02/2024	1741
7440-66-6	Zinc	120		10/02/2024	1741

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

Comments:

EPA SAMPLE NO.

MYD4P5

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.: MYD5W7

Matrix: SOIL Lab Sample ID: P2797-08

% 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	0.52	J	10/02/2024	1744
7440-38-2	Arsenic	25		10/02/2024	1744
7440-39-3	Barium	130		10/02/2024	1744
7440-41-7	Beryllium	0.50		10/02/2024	1744
7440-43-9	Cadmium	0.15	J	10/02/2024	1744
7440-47-3	Chromium	19		10/02/2024	1744
7440-48-4	Cobalt	16		10/02/2024	1744
7440-50-8	Copper	33		10/02/2024	1744
7439-92-1	Lead	12		10/02/2024	1744
7440-02-0	Nickel	17		10/02/2024	1744
7782-49-2	Selenium	0.42	J	10/02/2024	1744
7440-22-4	Silver	0.082	J	10/02/2024	1744
7440-28-0	Thallium	0.12	J	10/02/2024	1744
7440-62-2	Vanadium	69	*	10/02/2024	1744
7440-66-6	Zinc	73		10/02/2024	1744

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

Comments:

EPA SAMPLE NO.

MYD4P6

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.: MYD5W7

Matrix: SOIL Lab Sample ID: P2797-09

% 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	0.85		10/02/2024	1748
7440-38-2	Arsenic	56		10/02/2024	1748
7440-39-3	Barium	130		10/02/2024	1748
7440-41-7	Beryllium	0.51		10/02/2024	1748
7440-43-9	Cadmium	1.1		10/02/2024	1748
7440-47-3	Chromium	17		10/02/2024	1748
7440-48-4	Cobalt	13		10/02/2024	1748
7440-50-8	Copper	110		10/02/2024	1748
7439-92-1	Lead	50		10/02/2024	1748
7440-02-0	Nickel	16		10/02/2024	1748
7782-49-2	Selenium	0.64	J	10/02/2024	1748
7440-22-4	Silver	0.39	J	10/02/2024	1748
7440-28-0	Thallium	0.15	J	10/02/2024	1748
7440-62-2	Vanadium	47	*	10/02/2024	1748
7440-66-6	Zinc	170		10/02/2024	1748

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

Comments:

EPA SAMPLE NO.

MYD4P7

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.: MYD5W7

Matrix: SOIL Lab Sample ID: P2797-10

% Solids: 98.8 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	1.9		10/02/2024	1751
7440-38-2	Arsenic	86		10/02/2024	1751
7440-39-3	Barium	110		10/02/2024	1751
7440-41-7	Beryllium	0.46		10/02/2024	1751
7440-43-9	Cadmium	0.82		10/02/2024	1751
7440-47-3	Chromium	15		10/02/2024	1751
7440-48-4	Cobalt	12		10/02/2024	1751
7440-50-8	Copper	65		10/02/2024	1751
7439-92-1	Lead	63		10/02/2024	1751
7440-02-0	Nickel	12		10/02/2024	1751
7782-49-2	Selenium	0.74	J	10/02/2024	1751
7440-22-4	Silver	0.34	J	10/02/2024	1751
7440-28-0	Thallium	0.13	J	10/02/2024	1751
7440-62-2	Vanadium	68	*	10/02/2024	1751
7440-66-6	Zinc	190		10/02/2024	1751

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

Comments:

EPA SAMPLE NO.

MYD4P8

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.: MYD5W7

Matrix: SOIL Lab Sample ID: P2797-11

% Solids: 95.8 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	1.1		10/02/2024	1754
7440-38-2	Arsenic	72		10/02/2024	1754
7440-39-3	Barium	170		10/02/2024	1754
7440-41-7	Beryllium	0.54		10/02/2024	1754
7440-43-9	Cadmium	0.95		10/02/2024	1754
7440-47-3	Chromium	19		10/02/2024	1754
7440-48-4	Cobalt	16		10/02/2024	1754
7440-50-8	Copper	80		10/02/2024	1754
7439-92-1	Lead	64		10/02/2024	1754
7440-02-0	Nickel	17		10/02/2024	1754
7782-49-2	Selenium	0.86	J	10/02/2024	1754
7440-22-4	Silver	0.42		10/02/2024	1754
7440-28-0	Thallium	0.14	J	10/02/2024	1754
7440-62-2	Vanadium	81	*	10/02/2024	1754
7440-66-6	Zinc	220		10/02/2024	1754

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

Comments:

EPA SAMPLE NO.

MYD4P9

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.: MYD5W7

Matrix: SOIL Lab Sample ID: P2797-12

% 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	0.95		10/02/2024	1757
7440-38-2	Arsenic	54		10/02/2024	1757
7440-39-3	Barium	150	D	10/02/2024	1915
7440-41-7	Beryllium	0.62		10/02/2024	1757
7440-43-9	Cadmium	0.57		10/02/2024	1757
7440-47-3	Chromium	20		10/02/2024	1757
7440-48-4	Cobalt	16	D	10/02/2024	1915
7440-50-8	Copper	59		10/02/2024	1757
7439-92-1	Lead	38		10/02/2024	1757
7440-02-0	Nickel	18	D	10/02/2024	1915
7782-49-2	Selenium	0.79	J	10/02/2024	1757
7440-22-4	Silver	0.28	J	10/02/2024	1757
7440-28-0	Thallium	0.12	J	10/02/2024	1757
7440-62-2	Vanadium	93	D*	10/02/2024	1915
7440-66-6	Zinc	140		10/02/2024	1757

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

Comments:

EPA SAMPLE NO.

MYD4Q0

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.: MYD5W7

Matrix: SOIL Lab Sample ID: P2797-15

% 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	0.59	J	10/02/2024	1812
7440-38-2	Arsenic	29		10/02/2024	1812
7440-39-3	Barium	160		10/02/2024	1812
7440-41-7	Beryllium	0.57		10/02/2024	1812
7440-43-9	Cadmium	0.22	J	10/02/2024	1812
7440-47-3	Chromium	19		10/02/2024	1812
7440-48-4	Cobalt	17		10/02/2024	1812
7440-50-8	Copper	45		10/02/2024	1812
7439-92-1	Lead	17		10/02/2024	1812
7440-02-0	Nickel	17		10/02/2024	1812
7782-49-2	Selenium	0.59	J	10/02/2024	1812
7440-22-4	Silver	0.11	J	10/02/2024	1812
7440-28-0	Thallium	0.11	J	10/02/2024	1812
7440-62-2	Vanadium	96	*	10/02/2024	1812
7440-66-6	Zinc	81		10/02/2024	1812

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

Comments:

EPA SAMPLE NO.

MYD4Q1

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.: MYD5W7

Matrix: SOIL Lab Sample ID: P2797-16

% Solids: 97.5 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	1.2		10/02/2024	1815
7440-38-2	Arsenic	86		10/02/2024	1815
7440-39-3	Barium	150		10/02/2024	1815
7440-41-7	Beryllium	0.52		10/02/2024	1815
7440-43-9	Cadmium	1.0		10/02/2024	1815
7440-47-3	Chromium	18		10/02/2024	1815
7440-48-4	Cobalt	15		10/02/2024	1815
7440-50-8	Copper	76		10/02/2024	1815
7439-92-1	Lead	74		10/02/2024	1815
7440-02-0	Nickel	16		10/02/2024	1815
7782-49-2	Selenium	0.77	J	10/02/2024	1815
7440-22-4	Silver	0.49		10/02/2024	1815
7440-28-0	Thallium	0.13	J	10/02/2024	1815
7440-62-2	Vanadium	76	*	10/02/2024	1815
7440-66-6	Zinc	240		10/02/2024	1815

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

Comments:

EPA SAMPLE NO.

MYD4Q2

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.: MYD5W7

Matrix: SOIL Lab Sample ID: P2797-17

% 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	1.3		10/02/2024	1818
7440-38-2	Arsenic	57		10/02/2024	1818
7440-39-3	Barium	150		10/02/2024	1818
7440-41-7	Beryllium	0.61		10/02/2024	1818
7440-43-9	Cadmium	0.70		10/02/2024	1818
7440-47-3	Chromium	20		10/02/2024	1818
7440-48-4	Cobalt	16		10/02/2024	1818
7440-50-8	Copper	85		10/02/2024	1818
7439-92-1	Lead	44		10/02/2024	1818
7440-02-0	Nickel	16		10/02/2024	1818
7782-49-2	Selenium	0.78	J	10/02/2024	1818
7440-22-4	Silver	0.42		10/02/2024	1818
7440-28-0	Thallium	0.12	J	10/02/2024	1818
7440-62-2	Vanadium	100	*	10/02/2024	1818
7440-66-6	Zinc	150		10/02/2024	1818

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

Comments:

EPA SAMPLE NO.

MYD4Q3

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.: MYD5W7

Matrix: SOIL Lab Sample ID: P2797-18

% Solids: 96 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	0.76		10/02/2024	1821
7440-38-2	Arsenic	66		10/02/2024	1821
7440-39-3	Barium	150		10/02/2024	1821
7440-41-7	Beryllium	0.61		10/02/2024	1821
7440-43-9	Cadmium	0.70		10/02/2024	1821
7440-47-3	Chromium	20		10/02/2024	1821
7440-48-4	Cobalt	16		10/02/2024	1821
7440-50-8	Copper	74		10/02/2024	1821
7439-92-1	Lead	49		10/02/2024	1821
7440-02-0	Nickel	18		10/02/2024	1821
7782-49-2	Selenium	0.77	J	10/02/2024	1821
7440-22-4	Silver	0.32	J	10/02/2024	1821
7440-28-0	Thallium	0.13	J	10/02/2024	1821
7440-62-2	Vanadium	86	*	10/02/2024	1821
7440-66-6	Zinc	180		10/02/2024	1821

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

Comments:

EPA SAMPLE NO.

MYD4Q4

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.: MYD5W7

Matrix: SOIL Lab Sample ID: P2797-19

% 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	1.3		10/02/2024	1824
7440-38-2	Arsenic	67		10/02/2024	1824
7440-39-3	Barium	71		10/02/2024	1824
7440-41-7	Beryllium	0.41		10/02/2024	1824
7440-43-9	Cadmium	0.68		10/02/2024	1824
7440-47-3	Chromium	14		10/02/2024	1824
7440-48-4	Cobalt	12		10/02/2024	1824
7440-50-8	Copper	59		10/02/2024	1824
7439-92-1	Lead	53		10/02/2024	1824
7440-02-0	Nickel	12		10/02/2024	1824
7782-49-2	Selenium	0.59	J	10/02/2024	1824
7440-22-4	Silver	0.26	J	10/02/2024	1824
7440-28-0	Thallium	0.098	J	10/02/2024	1824
7440-62-2	Vanadium	65	*	10/02/2024	1824
7440-66-6	Zinc	150		10/02/2024	1824

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

Comments:

EPA SAMPLE NO.

MYD4Q5

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.: MYD5W7

Matrix: SOIL Lab Sample ID: P2797-20

% Solids: 96.5 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	0.38	J	10/02/2024	1827
7440-38-2	Arsenic	24		10/02/2024	1827
7440-39-3	Barium	130		10/02/2024	1827
7440-41-7	Beryllium	0.52		10/02/2024	1827
7440-43-9	Cadmium	0.19	J	10/02/2024	1827
7440-47-3	Chromium	16		10/02/2024	1827
7440-48-4	Cobalt	13		10/02/2024	1827
7440-50-8	Copper	37		10/02/2024	1827
7439-92-1	Lead	14		10/02/2024	1827
7440-02-0	Nickel	15		10/02/2024	1827
7782-49-2	Selenium	0.38	J	10/02/2024	1827
7440-22-4	Silver	0.095	J	10/02/2024	1827
7440-28-0	Thallium	0.091	J	10/02/2024	1827
7440-62-2	Vanadium	65	*	10/02/2024	1827
7440-66-6	Zinc	79		10/02/2024	1827

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

Comments:

EPA SAMPLE NO.

MYD4Q6

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.: MYD5W7

Matrix: SOIL Lab Sample ID: P2797-21

% Solids: 94.5 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	0.68	J	10/02/2024	1830
7440-38-2	Arsenic	46		10/02/2024	1830
7440-39-3	Barium	190		10/02/2024	1830
7440-41-7	Beryllium	0.73		10/02/2024	1830
7440-43-9	Cadmium	0.43		10/02/2024	1830
7440-47-3	Chromium	23		10/02/2024	1830
7440-48-4	Cobalt	16		10/02/2024	1830
7440-50-8	Copper	66		10/02/2024	1830
7439-92-1	Lead	29		10/02/2024	1830
7440-02-0	Nickel	19		10/02/2024	1830
7782-49-2	Selenium	0.87	J	10/02/2024	1830
7440-22-4	Silver	0.29	J	10/02/2024	1830
7440-28-0	Thallium	0.12	J	10/02/2024	1830
7440-62-2	Vanadium	87	*	10/02/2024	1830
7440-66-6	Zinc	120		10/02/2024	1830

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

Comments:

EPA SAMPLE NO.

MYD4Q7

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.: MYD5W7

Matrix: SOIL Lab Sample ID: P2797-22

% Solids: 99.3 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	1.1		10/02/2024	1833
7440-38-2	Arsenic	51		10/02/2024	1833
7440-39-3	Barium	91		10/02/2024	1833
7440-41-7	Beryllium	0.43		10/02/2024	1833
7440-43-9	Cadmium	0.94		10/02/2024	1833
7440-47-3	Chromium	16		10/02/2024	1833
7440-48-4	Cobalt	14		10/02/2024	1833
7440-50-8	Copper	87		10/02/2024	1833
7439-92-1	Lead	47		10/02/2024	1833
7440-02-0	Nickel	13		10/02/2024	1833
7782-49-2	Selenium	0.54	J	10/02/2024	1833
7440-22-4	Silver	0.29	J	10/02/2024	1833
7440-28-0	Thallium	0.11	J	10/02/2024	1833
7440-62-2	Vanadium	72	*	10/02/2024	1833
7440-66-6	Zinc	150		10/02/2024	1833

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

Comments:

EPA SAMPLE NO.

MYD599

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51495 MA No. : SDG No.: MYD5W7

Matrix: Water Lab Sample ID: P2797-01

% Solids: Date Received: 06/08/2024

Analytical Method: ICP_MS

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

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7440-36-0	Antimony	2.0	U	10/02/2024	1852
7440-38-2	Arsenic	1.0	U	10/02/2024	1852
7440-39-3	Barium	10	U	10/02/2024	1852
7440-41-7	Beryllium	1.0	U	10/02/2024	1852
7440-43-9	Cadmium	1.0	U	10/02/2024	1852
7440-47-3	Chromium	1.1	J	10/02/2024	1852
7440-48-4	Cobalt	1.0	U	10/02/2024	1852
7440-50-8	Copper	0.58	J	10/02/2024	1852
7439-92-1	Lead	1.0	U	10/02/2024	1852
7440-02-0	Nickel	0.97	J	10/02/2024	1852
7782-49-2	Selenium	5.0	U	10/02/2024	1852
7440-22-4	Silver	1.0	U	10/02/2024	1852
7440-28-0	Thallium	1.0	U	10/02/2024	1852
7440-62-2	Vanadium	5.0	U	10/02/2024	1852
7440-66-6	Zinc	1.4	J	10/02/2024	1852

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

Comments:

EPA SAMPLE NO.

MYD5W7

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51495 MA No. : SDG No.: MYD5W7

Matrix: Water Lab Sample ID: P2797-02

% Solids: Date Received: 06/08/2024

Analytical Method: ICP_MS

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

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7440-36-0	Antimony	2.0	U	10/02/2024	1902
7440-38-2	Arsenic	1.0	U	10/02/2024	1902
7440-39-3	Barium	10	U	10/02/2024	1902
7440-41-7	Beryllium	1.0	U	10/02/2024	1902
7440-43-9	Cadmium	1.0	U	10/02/2024	1902
7440-47-3	Chromium	0.62	J	10/02/2024	1902
7440-48-4	Cobalt	1.0	U	10/02/2024	1902
7440-50-8	Copper	0.68	J	10/02/2024	1902
7439-92-1	Lead	1.0	U	10/02/2024	1902
7440-02-0	Nickel	0.49	J	10/02/2024	1902
7782-49-2	Selenium	5.0	U	10/02/2024	1902
7440-22-4	Silver	1.0	U	10/02/2024	1902
7440-28-0	Thallium	1.0	U	10/02/2024	1902
7440-62-2	Vanadium	5.0	U	10/02/2024	1902
7440-66-6	Zinc	1.2	J	10/02/2024	1902

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

Comments:

EPA SAMPLE NO.

MYD5W8

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51495 MA No. : SDG No.: MYD5W7

Matrix: Water Lab Sample ID: P2797-03

% Solids: Date Received: 06/08/2024

Analytical Method: ICP_MS

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

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7440-36-0	Antimony	2.0	U	10/02/2024	1905
7440-38-2	Arsenic	1.0	U	10/02/2024	1905
7440-39-3	Barium	10	U	10/02/2024	1905
7440-41-7	Beryllium	1.0	U	10/02/2024	1905
7440-43-9	Cadmium	1.0	U	10/02/2024	1905
7440-47-3	Chromium	0.62	J	10/02/2024	1905
7440-48-4	Cobalt	1.0	U	10/02/2024	1905
7440-50-8	Copper	0.61	J	10/02/2024	1905
7439-92-1	Lead	0.31	J	10/02/2024	1905
7440-02-0	Nickel	0.67	J	10/02/2024	1905
7782-49-2	Selenium	5.0	U	10/02/2024	1905
7440-22-4	Silver	1.0	U	10/02/2024	1905
7440-28-0	Thallium	1.0	U	10/02/2024	1905
7440-62-2	Vanadium	5.0	U	10/02/2024	1905
7440-66-6	Zinc	1.6	J	10/02/2024	1905

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

Comments:

EPA SAMPLE NO.

MYD5W9

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51495 MA No. : SDG No.: MYD5W7

Matrix: Water Lab Sample ID: P2797-04

% Solids: Date Received: 06/08/2024

Analytical Method: ICP_MS

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

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7440-36-0	Antimony	2.0	U	10/02/2024	1908
7440-38-2	Arsenic	1.0	U	10/02/2024	1908
7440-39-3	Barium	10	U	10/02/2024	1908
7440-41-7	Beryllium	1.0	U	10/02/2024	1908
7440-43-9	Cadmium	1.0	U	10/02/2024	1908
7440-47-3	Chromium	0.75	J	10/02/2024	1908
7440-48-4	Cobalt	1.0	U	10/02/2024	1908
7440-50-8	Copper	0.70	J	10/02/2024	1908
7439-92-1	Lead	1.0	U	10/02/2024	1908
7440-02-0	Nickel	0.93	J	10/02/2024	1908
7782-49-2	Selenium	5.0	U	10/02/2024	1908
7440-22-4	Silver	1.0	U	10/02/2024	1908
7440-28-0	Thallium	1.0	U	10/02/2024	1908
7440-62-2	Vanadium	5.0	U	10/02/2024	1908
7440-66-6	Zinc	1.4	J	10/02/2024	1908

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

Comments:

EPA SAMPLE NO.

MYD5Z1

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51495 MA No. : SDG No.: MYD5W7

Matrix: Water Lab Sample ID: P2797-05

% Solids: Date Received: 06/08/2024

Analytical Method: ICP_MS

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

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7440-36-0	Antimony	2.0	U	10/02/2024	1912
7440-38-2	Arsenic	1.0	U	10/02/2024	1912
7440-39-3	Barium	10	U	10/02/2024	1912
7440-41-7	Beryllium	1.0	U	10/02/2024	1912
7440-43-9	Cadmium	1.0	U	10/02/2024	1912
7440-47-3	Chromium	0.41	J	10/02/2024	1912
7440-48-4	Cobalt	1.0	U	10/02/2024	1912
7440-50-8	Copper	0.58	J	10/02/2024	1912
7439-92-1	Lead	1.0	U	10/02/2024	1912
7440-02-0	Nickel	0.34	J	10/02/2024	1912
7782-49-2	Selenium	5.0	U	10/02/2024	1912
7440-22-4	Silver	1.0	U	10/02/2024	1912
7440-28-0	Thallium	1.0	U	10/02/2024	1912
7440-62-2	Vanadium	5.0	U	10/02/2024	1912
7440-66-6	Zinc	4.0	J	10/02/2024	1912

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

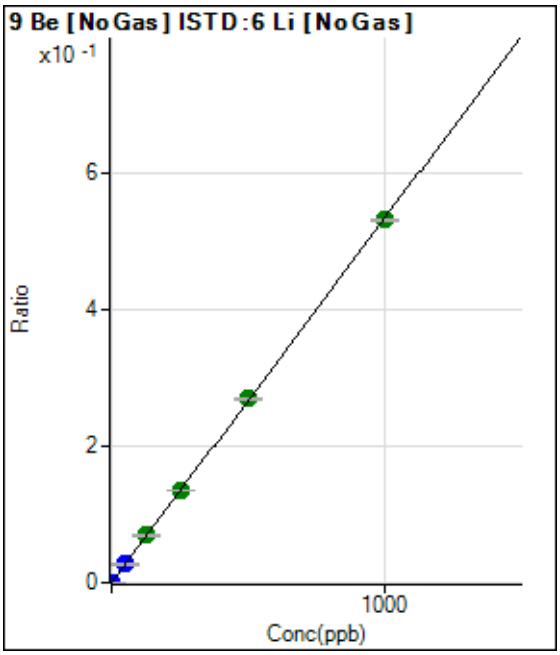
Comments:

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On:10/7/2024 11:35:57 PM
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Batch Folder: D:\Agilent\ICPMH\1\DATA\P10022424-MS1.b\
Analysis File: P10022424-MS1.batch.bin
DA Date-Time: 2024-10-03 00:18:17
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	004CALB.d	S00	2024-10-02 16:30:28
2	005CALS.d	S02	2024-10-02 16:33:46
3	006CALS.d	S03	2024-10-02 16:37:05
4	007CALS.d	S04	2024-10-02 16:40:06
5	008CALS.d	S05	2024-10-02 16:43:10
6	009CALS.d	S06	2024-10-02 16:46:12
7	010CALS.d	S07	2024-10-02 16:49:16
8	011CALS.d	S08	2024-10-02 16:52:17

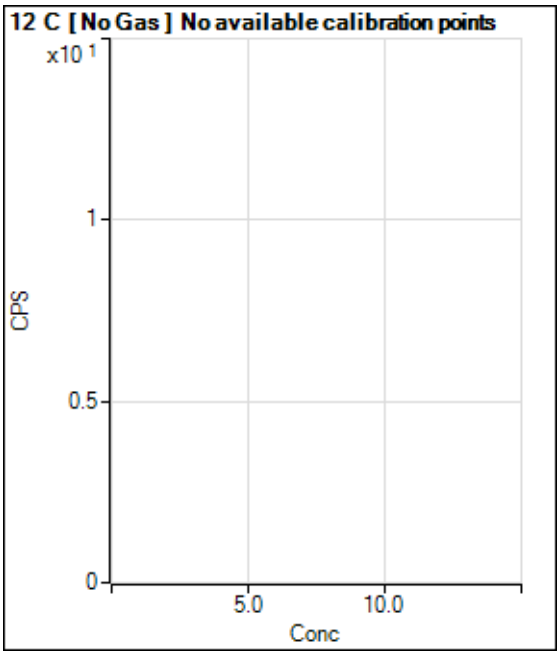
Reviewed By:mohan
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	235.81	0.0000	P	9.0
2	☐	1.000	0.985	13051.65	0.0005	P	2.4
3	☐	50.000	50.196	647910.09	0.0268	P	0.7
4	☐	125.000	129.823	1640485.64	0.0694	A	1.0
5	☐	250.000	251.800	3097955.91	0.1346	A	0.4
6	☐	500.000	505.545	5984445.08	0.2702	A	1.1
7	☐	1000.000	996.165	11865017.10	0.5325	A	0.7
8	☐			1210.74	0.0001	P	12.7

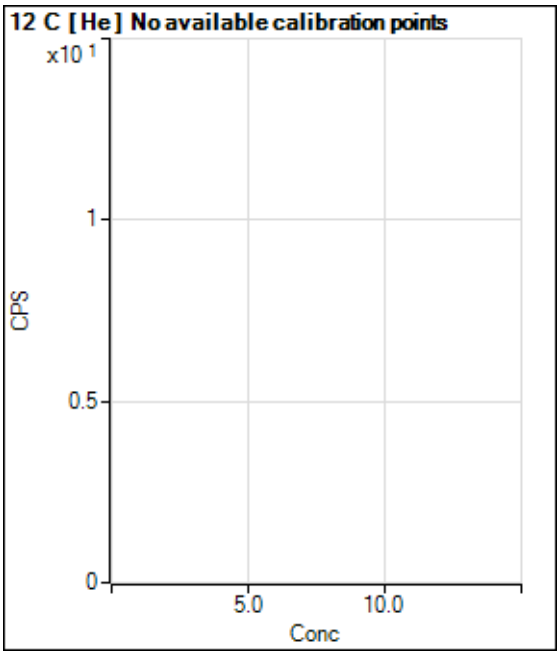
y = 5.3449E-004 * x + 9.6018E-006
R = 1.0000
DL = 0.004833
BEC = 0.01796

Weight: <None>
Min Conc: 0

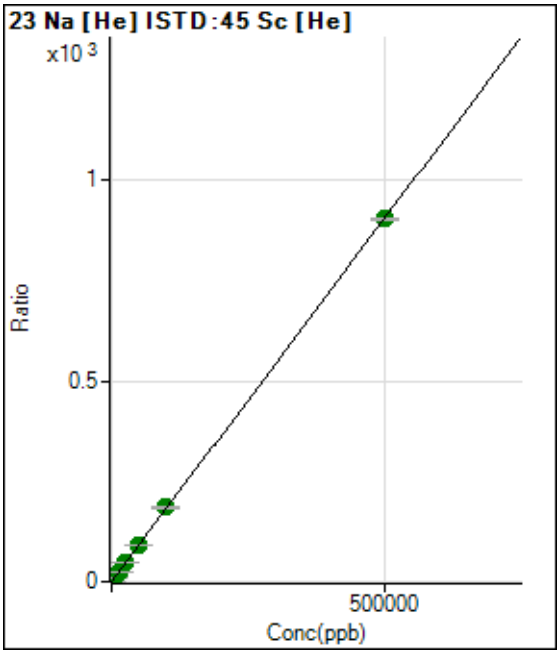


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			5936949.01		A	1.6
2	☐			5796830.61		A	2.4
3	☐			6308686.22		A	1.2
4	☐			6477874.97		A	0.5
5	☐			6562666.22		A	0.5
6	☐			7015315.52		A	1.5
7	☐			8260690.36		A	3.0
8	☐			5750844.98		A	0.3

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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			53849.33		P	1.2
2	☐			52741.97		P	1.8
3	☐			56861.56		P	1.2
4	☐			59134.83		P	0.3
5	☐			61321.60		P	1.7
6	☐			66900.05		P	0.1
7	☐			81643.69		P	0.4
8	☐			76389.23		P	0.7

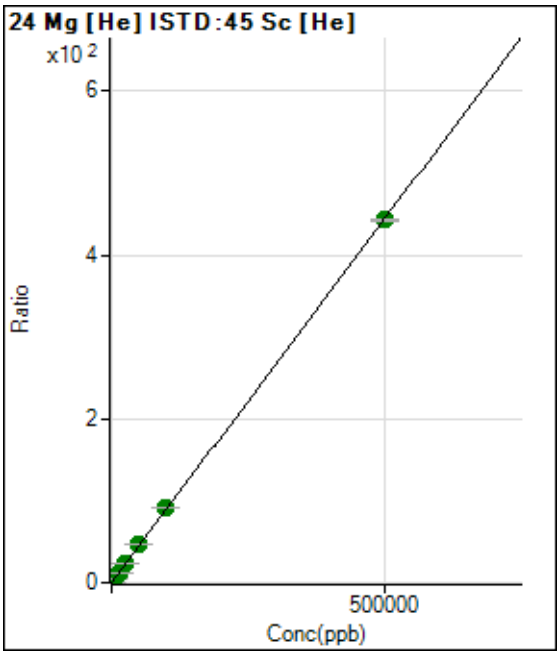


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	23175.16	0.0246	P	0.7
2	☐	500.000	490.689	854508.16	0.9132	P	0.6
3	☐	5000.000	5403.426	8770127.16	9.8092	A	5.3
4	☐	12500.000	12960.466	21209501.63	23.4935	A	1.5
5	☐	25000.000	25738.879	41204534.94	46.6327	A	1.2
6	☐	50000.000	51266.894	81618094.89	92.8589	A	1.1
7	☐	100000.00	102049.62	163334642.01	184.8164	A	0.6
8	☐	500000.00	499410.90	770575766.29	904.3594	A	0.5

y = 0.0018 * x + 0.0246
R = 1.0000
DL = 0.2756
BEC = 13.61

Weight: <None>
Min Conc: 0

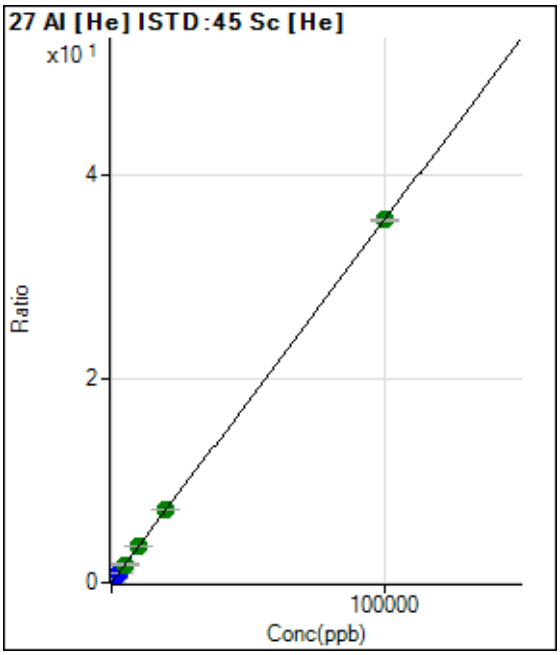
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On:10/7/2024 11:35:57 PM
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	736.69	0.0008	P	8.0
2	☐	500.000	548.911	456417.81	0.4878	P	1.6
3	☐	5000.000	5570.315	4419405.42	4.9429	A	5.2
4	☐	12500.000	13343.364	10688774.56	11.8393	A	0.9
5	☐	25000.000	26336.765	20647399.97	23.3674	A	1.1
6	☐	50000.000	52481.341	40926630.23	46.5634	A	0.9
7	☐	100000.00	103793.81	81387913.79	92.0891	A	0.5
8	☐	500000.00	498899.42	377167247.71	442.6359	A	0.5

y = 8.8722E-004 * x + 7.8311E-004
R = 1.0000
DL = 0.2125
BEC = 0.8827

Weight: <None>
Min Conc: 0

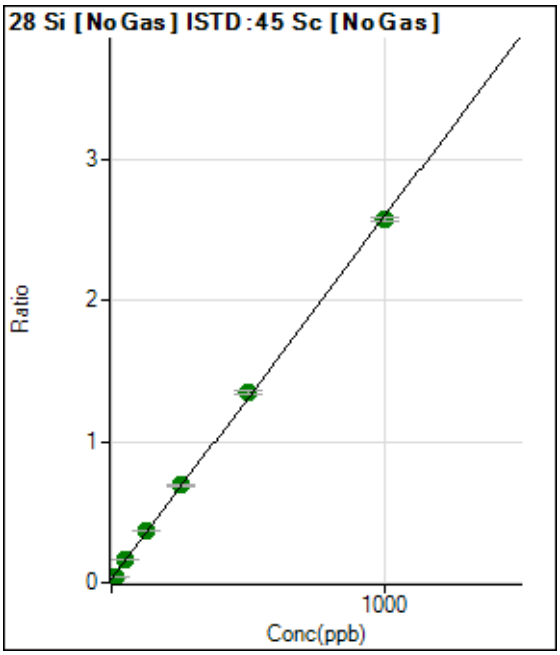


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	328.90	0.0003	P	6.0
2	☐	20.000	18.681	6541.53	0.0070	P	2.4
3	☐	1000.000	1034.671	329197.07	0.3682	P	5.3
4	☐	2500.000	2460.612	790092.51	0.8752	P	0.8
5	☐	5000.000	5026.708	1579409.07	1.7875	A	1.4
6	☐	10000.000	9967.389	3115059.81	3.5440	A	1.0
7	☐	20000.000	19994.399	6282594.90	7.1089	A	0.4
8	☐	100000.00	100003.68	30294424.55	35.5542	A	0.8

y = 3.5553E-004 * x + 3.4975E-004
R = 1.0000
DL = 0.1761
BEC = 0.9838

Weight: <None>
Min Conc: 0

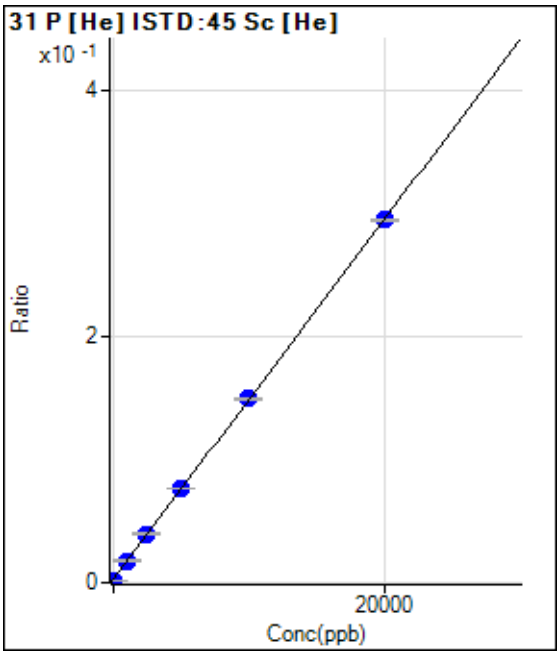
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	987909.48	0.0297	A	0.7
2	☐	10.000	2.002	1148883.47	0.0348	A	2.2
3	☐	50.000	53.860	5530242.77	0.1679	A	0.7
4	☐	125.000	133.324	12049677.88	0.3718	A	0.8
5	☐	250.000	256.667	21967071.62	0.6884	A	0.4
6	☐	500.000	514.236	42329321.59	1.3494	A	2.1
7	☐	1000.000	990.062	80172944.91	2.5705	A	1.1
8	☐			1654095.95	0.0641	A	2.8

y = 0.0026 * x + 0.0297
R = 0.9997
DL = 0.2418
BEC = 11.57

Weight: <None>
Min Conc: 0

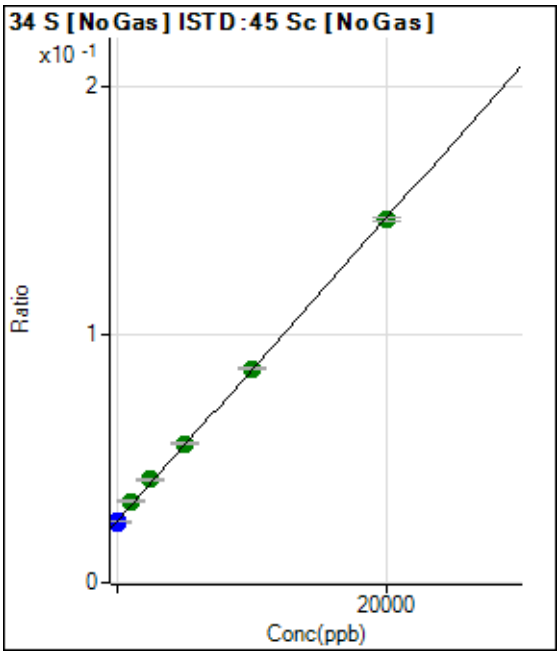


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-14.981	1681.23	0.0018	P	4.9
2	☐	0.000	14.981	2084.62	0.0022	P	4.1
3	☐	1000.000	1060.699	15729.72	0.0176	P	5.6
4	☐	2500.000	2561.828	35798.56	0.0397	P	1.7
5	☐	5000.000	5088.859	67849.98	0.0768	P	1.3
6	☐	10000.000	10061.889	131726.94	0.1499	P	0.9
7	☐	20000.000	19936.077	260682.12	0.2950	P	0.7
8	☐			1774.57	0.0021	P	2.3

y = 1.4695E-005 * x + 0.0020
R = 1.0000
DL = 18.17
BEC = 136.6

Weight: <None>
Min Conc: 0

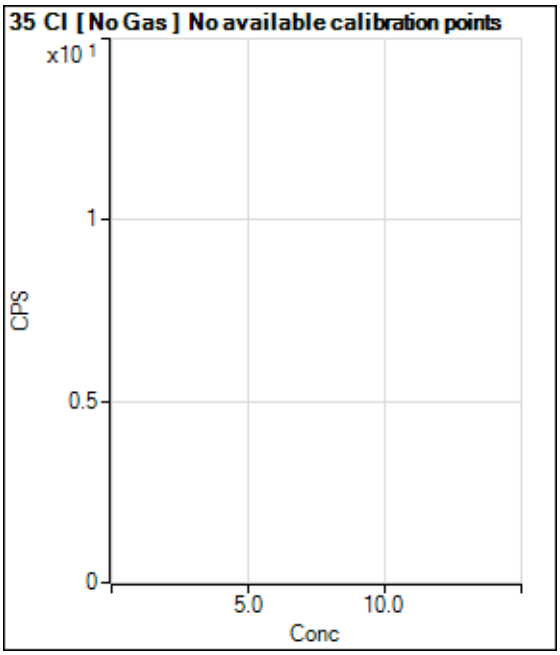
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-55.244	805010.72	0.0242	P	0.9
2	☐	0.000	55.244	820508.75	0.0249	P	2.1
3	☐	1000.000	1356.768	1081857.34	0.0329	A	2.0
4	☐	2500.000	2767.466	1344497.05	0.0415	A	1.5
5	☐	5000.000	5131.071	1786398.26	0.0560	A	1.5
6	☐	10000.000	10084.098	2708122.29	0.0863	A	0.4
7	☐	20000.000	19873.911	4562891.88	0.1463	A	1.1
8	☐			572965.01	0.0222	P	1.7

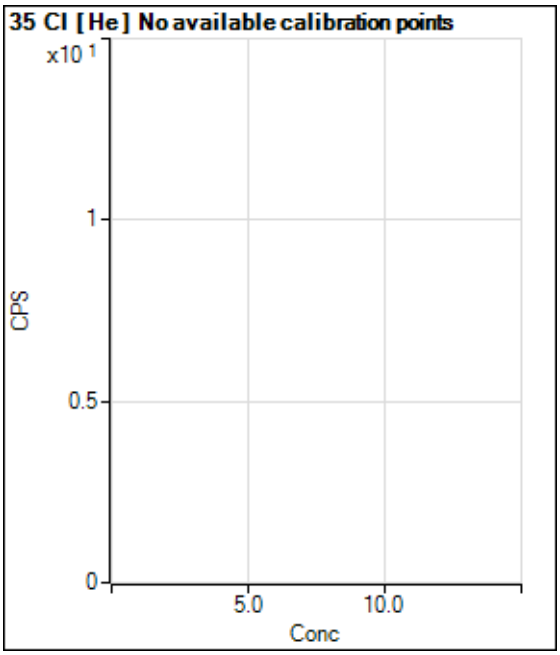
y = 6.1265E-006 * x + 0.0245
R = 0.9998
DL = 181.7
BEC = 4005

Weight: <None>
Min Conc: 0

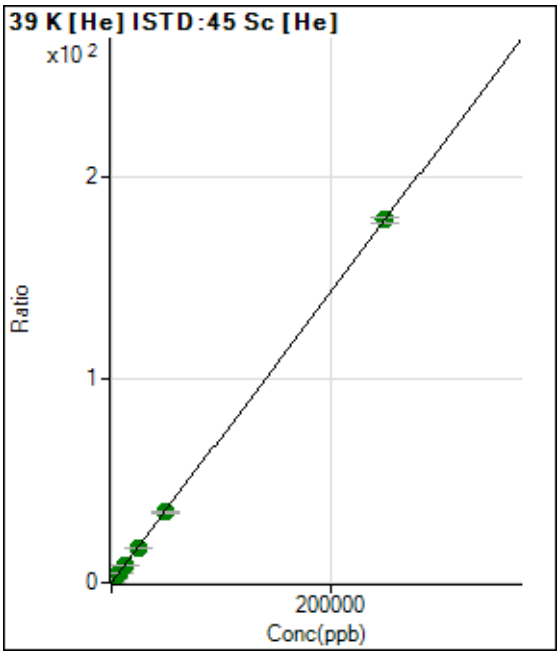


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			252034.49		P	0.7
2	☐			236836.73		P	0.6
3	☐			261975.82		P	0.7
4	☐			272231.08		P	0.9
5	☐			271211.91		P	0.9
6	☐			277057.57		P	1.5
7	☐			309484.53		P	1.2
8	☐			203622.06		P	0.7

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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			1297.85		P	1.9
2	☐			1325.63		P	8.4
3	☐			1324.52		P	1.6
4	☐			1534.54		P	4.1
5	☐			1513.43		P	6.1
6	☐			1583.44		P	4.4
7	☐			1885.70		P	3.8
8	☐			1471.21		P	3.1

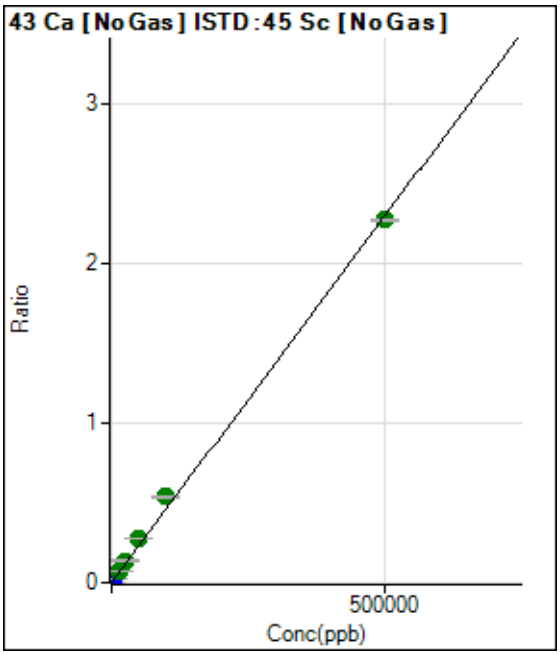


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	17234.83	0.0183	P	1.0
2	☐	500.000	455.530	321094.62	0.3431	P	0.6
3	☐	2500.000	2547.764	1640897.49	1.8350	A	4.9
4	☐	6250.000	6086.119	3934512.55	4.3581	A	0.7
5	☐	12500.000	12140.843	7665735.37	8.6754	A	0.8
6	☐	25000.000	24255.749	15218188.52	17.3141	A	0.6
7	☐	50000.000	48514.374	30588988.71	34.6118	A	0.4
8	☐	250000.00	250393.21	152145858.85	178.5630	A	1.6

y = 7.1306E-004 * x + 0.0183
R = 1.0000
DL = 0.7721
BEC = 25.7

Weight: <None>
Min Conc: 0

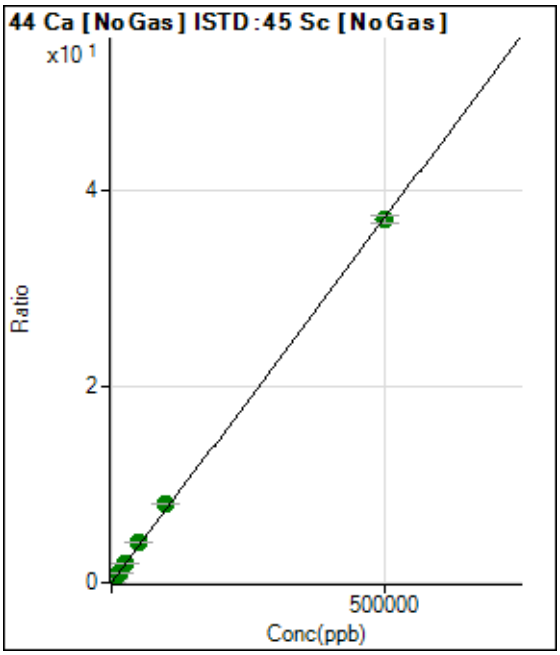
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Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1498.98	0.0000	P	4.3
2	☐	500.000	483.264	74613.20	0.0023	P	3.1
3	☐	5000.000	5745.852	869790.50	0.0264	P	0.7
4	☐	12500.000	15452.458	2299114.65	0.0709	A	0.5
5	☐	25000.000	30160.983	4417614.03	0.1384	A	1.5
6	☐	50000.000	59728.316	8599055.85	0.2741	A	1.9
7	☐	100000.00	116954.26	16739233.36	0.5367	A	1.1
8	☐	500000.00	495297.01	58671901.90	2.2727	A	0.8

y = 4.5885E-006 * x + 4.5050E-005
R = 0.9993
DL = 1.267
BEC = 9.818

Weight: <None>
Min Conc: 0

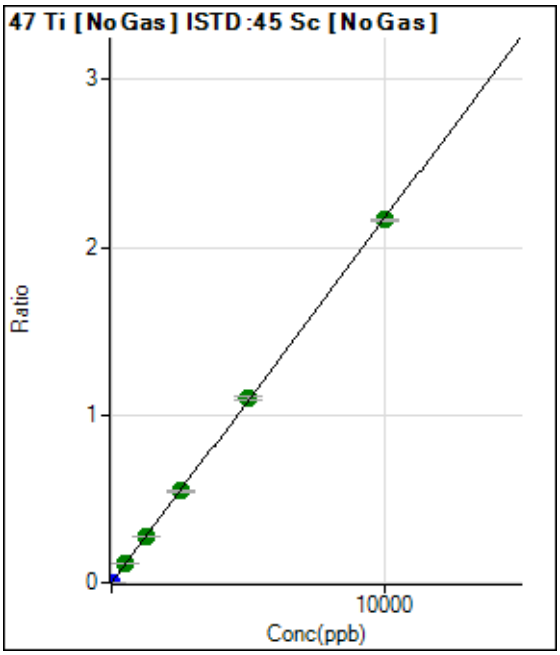


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	25432.54	0.0008	P	1.4
2	☐	500.000	491.424	1228932.92	0.0372	M	2.1
3	☐	5000.000	5649.074	13832923.96	0.4200	A	1.0
4	☐	12500.000	14293.183	34398640.32	1.0616	A	1.2
5	☐	25000.000	27503.324	65162028.47	2.0420	A	0.8
6	☐	50000.000	55606.175	129491216.96	4.1278	A	1.4
7	☐	100000.00	108068.71	250185409.60	8.0214	A	1.4
8	☐	500000.00	497649.16	953422403.57	36.9355	A	2.1

y = 7.4218E-005 * x + 7.6449E-004
R = 0.9998
DL = 0.4334
BEC = 10.3

Weight: <None>
Min Conc: 0

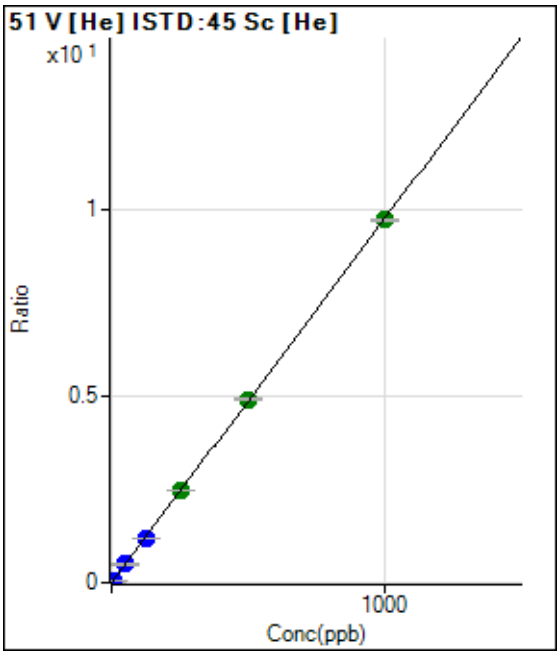
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Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	477.79	0.0000	P	7.4
2	☐	5.000	4.620	33582.56	0.0010	P	3.1
3	☐	500.000	511.996	3664642.20	0.1113	A	1.6
4	☐	1250.000	1271.917	8956938.34	0.2764	A	1.5
5	☐	2500.000	2507.937	17391829.32	0.5450	A	1.1
6	☐	5000.000	5070.494	34569507.26	1.1019	A	1.4
7	☐	10000.000	9959.429	67505669.00	2.1644	A	0.4
8	☐			13730.00	0.0005	P	2.9

y = 2.1732E-004 * x + 1.4364E-005
R = 1.0000
DL = 0.01467
BEC = 0.0661

Weight: <None>
Min Conc: 0

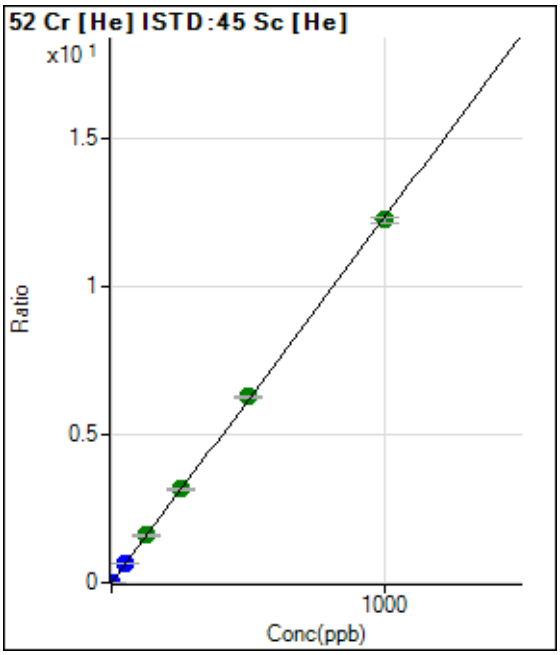


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	21.11	0.0000	P	64.3
2	☐	5.000	4.818	43900.50	0.0469	P	1.4
3	☐	50.000	50.613	440459.68	0.4926	P	5.1
4	☐	125.000	121.352	1066291.61	1.1811	P	0.2
5	☐	250.000	252.245	2169287.85	2.4550	A	0.7
6	☐	500.000	504.348	4314439.73	4.9086	A	1.1
7	☐	1000.000	997.691	8581359.18	9.7100	A	0.7
8	☐			1414.53	0.0017	P	7.3

y = 0.0097 * x + 2.2488E-005
R = 1.0000
DL = 0.004459
BEC = 0.002311

Weight: <None>
Min Conc: 0

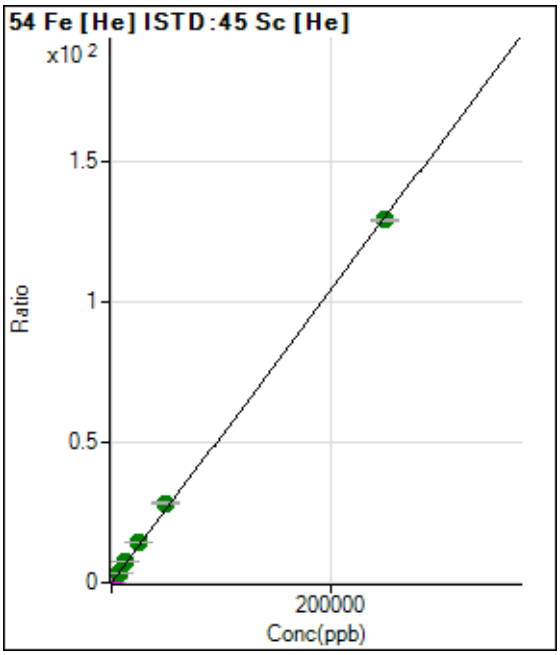
Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2501.36	0.0027	P	1.9
2	☐	2.000	1.958	25088.74	0.0268	P	1.4
3	☐	50.000	51.599	571337.17	0.6391	P	5.4
4	☐	125.000	129.519	1444501.37	1.6001	A	1.8
5	☐	250.000	255.286	2784494.20	3.1512	A	0.5
6	☐	500.000	509.049	5520853.81	6.2810	A	0.9
7	☐	1000.000	993.509	10831976.23	12.2561	A	1.4
8	☐			34701.10	0.0407	P	1.7

y = 0.0123 * x + 0.0027
R = 0.9999
DL = 0.01215
BEC = 0.2157

Weight: <None>
Min Conc: 0

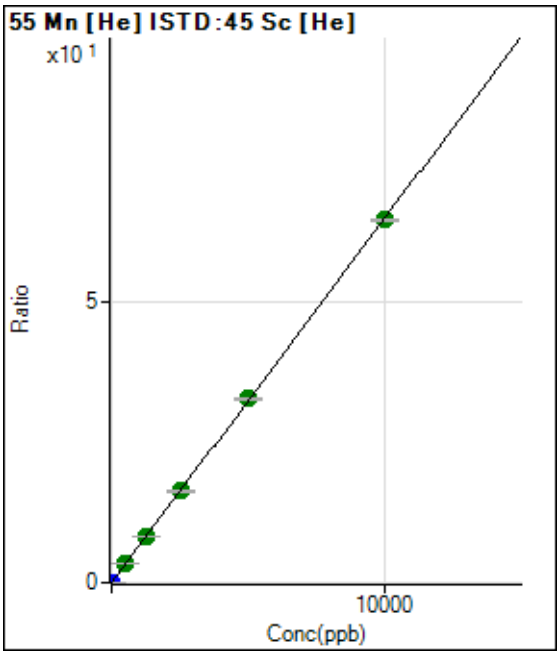


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1527.88	0.0016	P	6.8
2	☐	50.000	54.991	28235.76	0.0302	P	1.4
3	☐	2500.000	2918.867	1356459.68	1.5170	M	5.2
4	☐	6250.000	7128.908	3342864.40	3.7027	A	0.8
5	☐	12500.000	14103.423	6471364.42	7.3236	A	0.7
6	☐	25000.000	27505.627	12552916.20	14.2815	A	0.6
7	☐	50000.000	54671.903	25085918.52	28.3852	A	0.5
8	☐	250000.00	248708.72	110020933.92	129.1218	A	0.6

y = 5.1916E-004 * x + 0.0016
R = 0.9998
DL = 0.6356
BEC = 3.13

Weight: <None>
Min Conc: 0

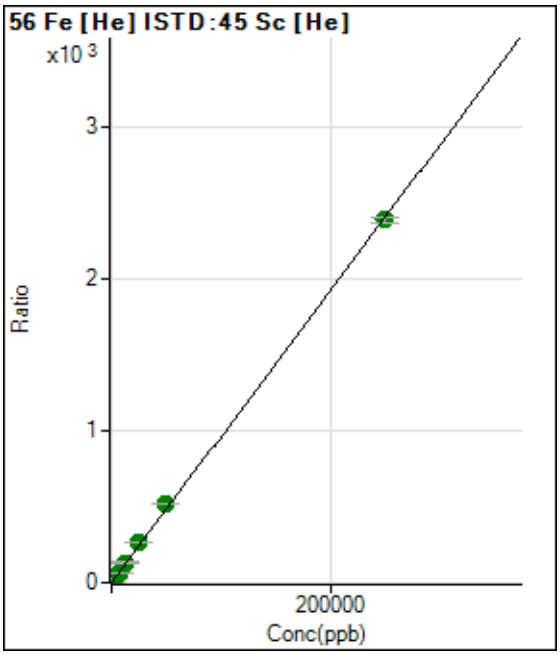
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	636.69	0.0007	P	2.5
2	☐	1.000	0.965	6507.10	0.0070	P	1.2
3	☐	500.000	538.923	3134542.24	3.5062	A	5.5
4	☐	1250.000	1265.491	7432015.30	8.2324	A	1.4
5	☐	2500.000	2519.904	14483527.84	16.3920	A	2.0
6	☐	5000.000	5053.652	28894385.96	32.8734	A	0.6
7	☐	10000.000	9964.315	57282795.81	64.8161	A	0.3
8	☐			23798.81	0.0279	P	2.2

y = 0.0065 * x + 6.7703E-004
R = 1.0000
DL = 0.007708
BEC = 0.1041

Weight: <None>
Min Conc: 0

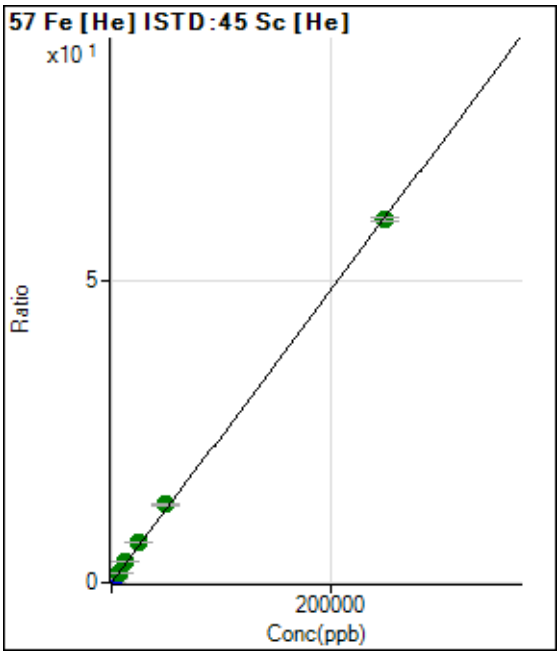


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	15288.27	0.0163	P	1.0
2	☐	50.000	53.422	494877.67	0.5289	P	1.1
3	☐	2500.000	2895.966	24860548.79	27.8051	A	5.2
4	☐	6250.000	6975.481	60444357.99	66.9510	A	0.5
5	☐	12500.000	13831.014	117277600.47	132.7347	A	2.6
6	☐	25000.000	27139.152	228913016.59	260.4357	A	0.6
7	☐	50000.000	53908.107	457184984.30	517.3028	A	0.3
8	☐	250000.00	248915.81	2035273960.7	2,388.540	A	1.3

y = 0.0096 * x + 0.0163
R = 0.9999
DL = 0.04878
BEC = 1.694

Weight: <None>
Min Conc: 0

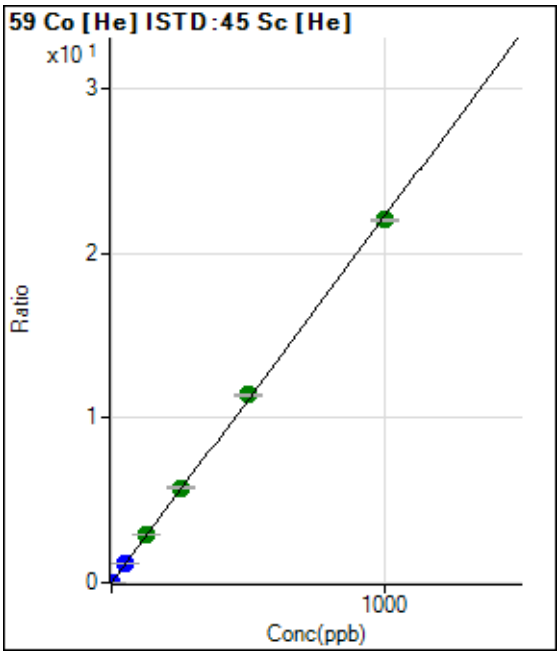
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	440.01	0.0005	P	8.5
2	☐	50.000	54.088	12652.38	0.0135	P	0.5
3	☐	2500.000	2846.187	614459.75	0.6873	P	5.5
4	☐	6250.000	7110.069	1549474.09	1.7163	A	1.0
5	☐	12500.000	13988.948	2983328.15	3.3763	A	1.2
6	☐	25000.000	27731.122	5882524.84	6.6926	A	0.6
7	☐	50000.000	53606.821	11433254.69	12.9370	A	0.7
8	☐	250000.00	248906.11	51181215.91	60.0673	A	1.0

y = 2.4132E-004 * x + 4.6765E-004
R = 0.9999
DL = 0.4924
BEC = 1.938

Weight: <None>
Min Conc: 0

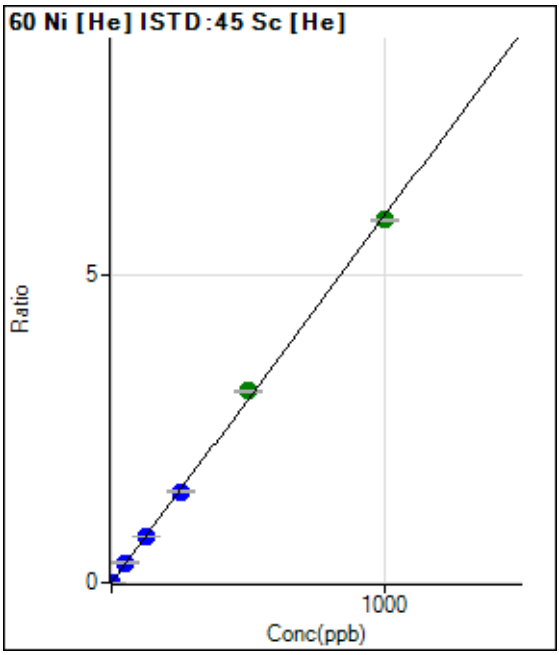


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	294.45	0.0003	P	5.9
2	☐	1.000	1.064	22428.87	0.0240	P	1.8
3	☐	50.000	53.400	1061941.47	1.1877	P	5.1
4	☐	125.000	132.027	2650608.17	2.9360	A	0.7
5	☐	250.000	258.534	5079650.13	5.7489	A	1.9
6	☐	500.000	512.255	10011670.06	11.3905	A	0.6
7	☐	1000.000	990.690	19468224.02	22.0287	A	0.8
8	☐			39558.21	0.0464	P	1.0

y = 0.0222 * x + 3.1297E-004
R = 0.9998
DL = 0.002495
BEC = 0.01408

Weight: <None>
Min Conc: 0

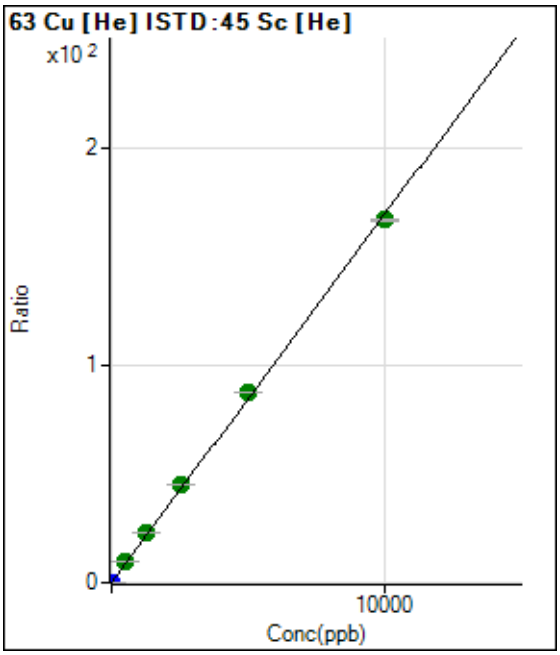
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	675.58	0.0007	P	3.2
2	☐	1.000	1.057	6580.50	0.0070	P	7.1
3	☐	50.000	53.731	287720.68	0.3218	P	5.5
4	☐	125.000	127.372	687862.05	0.7619	P	0.9
5	☐	250.000	248.732	1314113.74	1.4872	P	0.5
6	☐	500.000	521.797	2741517.39	3.1191	A	0.5
7	☐	1000.000	988.935	5223830.96	5.9108	A	0.4
8	☐			20524.89	0.0241	P	1.6

y = 0.0060 * x + 7.1836E-004
R = 0.9996
DL = 0.01144
BEC = 0.1202

Weight: <None>
Min Conc: 0

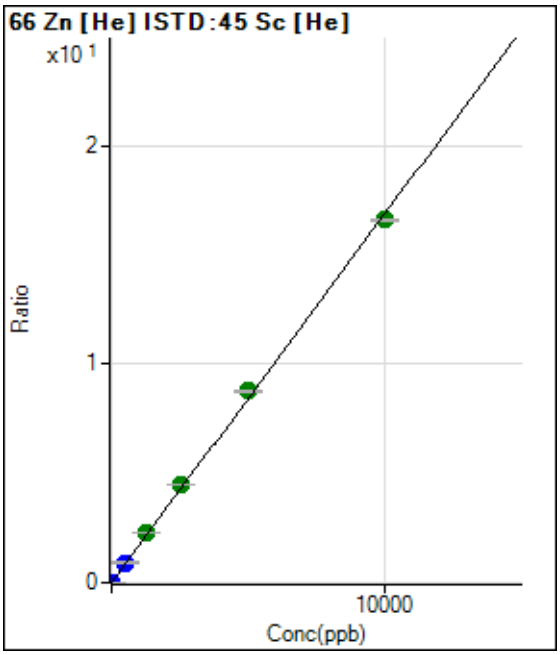


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	6284.78	0.0067	P	1.5
2	☐	2.000	1.986	37774.60	0.0404	P	1.4
3	☐	500.000	568.241	8623229.87	9.6452	A	5.4
4	☐	1250.000	1353.366	20730782.88	22.9624	A	0.4
5	☐	2500.000	2657.042	39829628.85	45.0753	A	0.5
6	☐	5000.000	5180.049	77234843.29	87.8704	A	0.3
7	☐	10000.000	9854.382	147731736.69	167.1562	A	0.6
8	☐			29350.32	0.0344	P	1.8

y = 0.0170 * x + 0.0067
R = 0.9996
DL = 0.01778
BEC = 0.394

Weight: <None>
Min Conc: 0

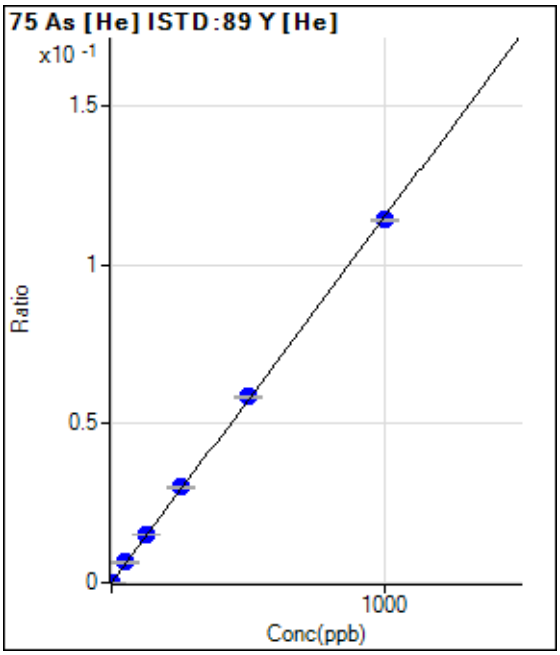
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3370.43	0.0036	P	4.8
2	☐	2.000	5.244	11632.67	0.0124	P	1.2
3	☐	500.000	542.667	821744.35	0.9191	P	5.1
4	☐	1250.000	1355.762	2068055.84	2.2907	A	1.0
5	☐	2500.000	2640.226	3938847.34	4.4576	A	0.4
6	☐	5000.000	5204.695	7720513.64	8.7838	A	0.8
7	☐	10000.000	9847.242	14684754.78	16.6157	A	0.7
8	☐			9458.81	0.0111	P	4.1

y = 0.0017 * x + 0.0036
R = 0.9996
DL = 0.3032
BEC = 2.125

Weight: <None>
Min Conc: 0

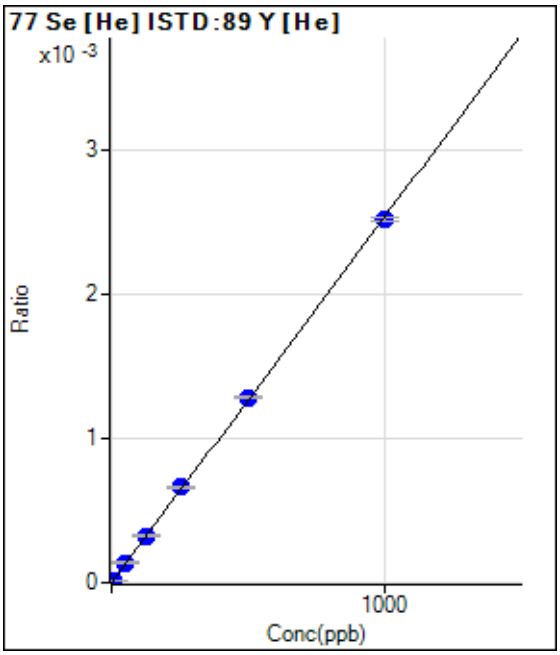


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2.22	0.0000	P	173.
2	☐	1.000	1.102	906.71	0.0001	P	6.0
3	☐	50.000	55.359	44194.59	0.0064	P	3.8
4	☐	125.000	130.353	106064.34	0.0150	P	0.2
5	☐	250.000	260.414	207653.28	0.0299	P	1.0
6	☐	500.000	507.826	407047.08	0.0584	P	1.0
7	☐	1000.000	992.546	794194.81	0.1141	P	0.4
8	☐			464.46	0.0001	P	8.7

y = 1.1498E-004 * x + 3.0973E-007
R = 0.9999
DL = 0.014
BEC = 0.002694

Weight: <None>
Min Conc: 0

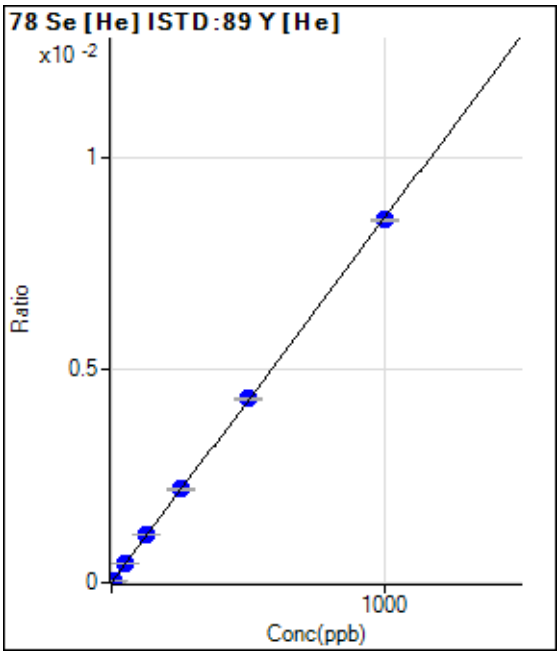
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	0.00	0.0000	P	
2	☐	5.000	6.019	108.89	0.0000	P	12.5
3	☐	50.000	54.466	957.82	0.0001	P	12.1
4	☐	125.000	127.461	2286.88	0.0003	P	3.1
5	☐	250.000	260.822	4586.35	0.0007	P	2.3
6	☐	500.000	507.647	8972.92	0.0013	P	0.8
7	☐	1000.000	992.935	17519.87	0.0025	P	1.1
8	☐			12.22	0.0000	P	83.1

y = 2.5356E-006 * x + 0.0000E+000
R = 0.9999
DL = 0
BEC = 0

Weight: <None>
Min Conc: 0

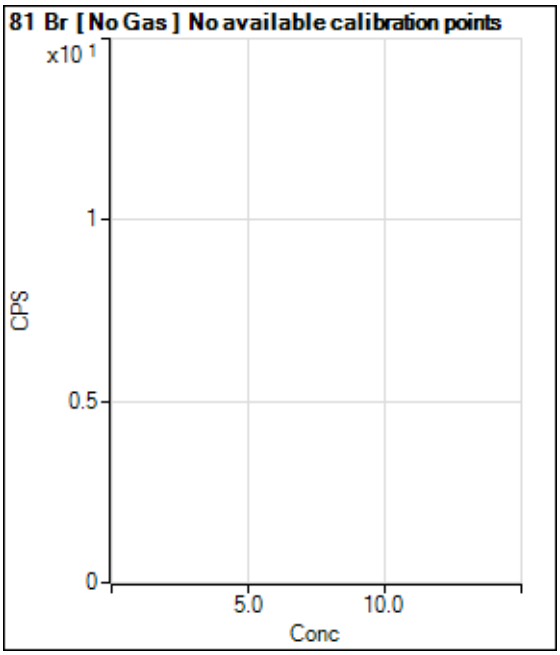


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	25.56	0.0000	P	39.5
2	☐	5.000	5.351	353.34	0.0000	P	7.5
3	☐	50.000	52.785	3167.05	0.0005	P	2.3
4	☐	125.000	130.188	7921.20	0.0011	P	1.2
5	☐	250.000	256.618	15278.38	0.0022	P	1.1
6	☐	500.000	504.557	30169.04	0.0043	P	1.1
7	☐	1000.000	995.278	59384.65	0.0085	P	0.3
8	☐			42.22	0.0000	P	9.4

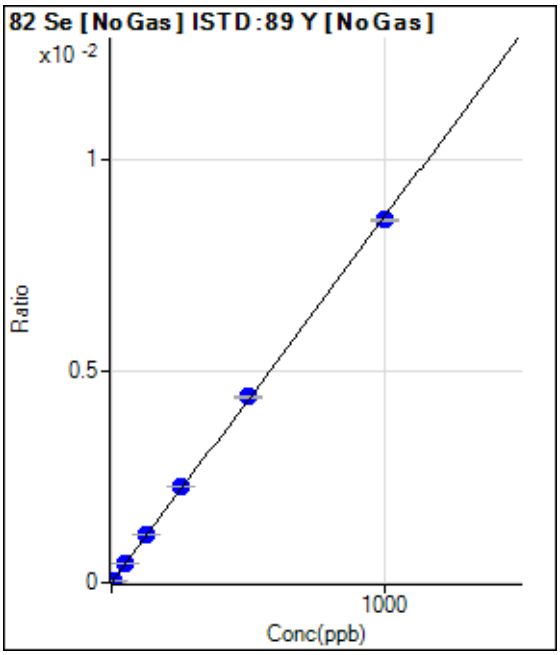
y = 8.5705E-006 * x + 3.5691E-006
R = 1.0000
DL = 0.4931
BEC = 0.4164

Weight: <None>
Min Conc: 0

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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			25415.45		P	1.3
2	☐			24652.95		P	1.5
3	☐			24139.87		P	0.3
4	☐			23577.74		P	1.5
5	☐			23256.09		P	2.1
6	☐			23160.39		P	1.2
7	☐			22490.39		P	1.4
8	☐			20337.13		P	1.2

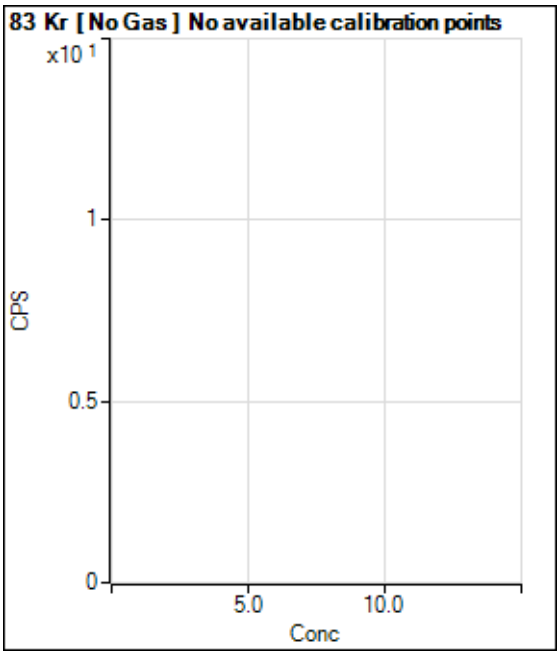


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	-35.56	0.0000	P	-41.
2	☐	5.000	5.127	3217.14	0.0000	P	3.0
3	☐	50.000	53.678	33654.47	0.0005	P	0.7
4	☐	125.000	132.485	82008.88	0.0011	P	1.6
5	☐	250.000	261.833	161154.38	0.0023	P	0.6
6	☐	500.000	508.275	313986.75	0.0044	P	1.5
7	☐	1000.000	991.784	600144.06	0.0086	P	0.5
8	☐			114.45	0.0000	P	32.2

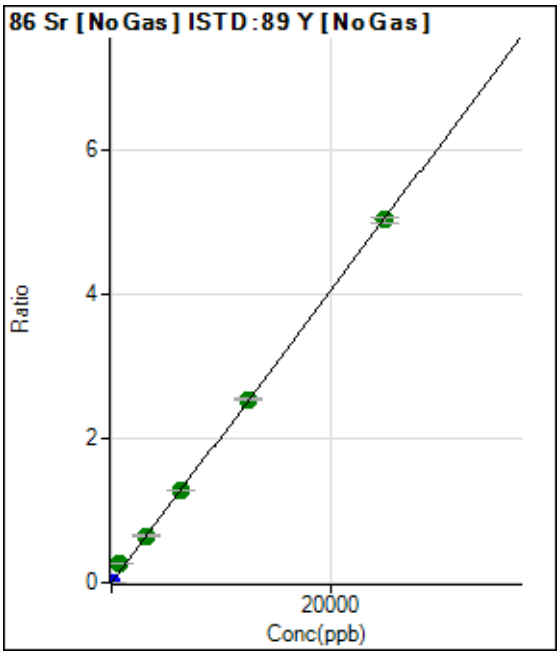
y = 8.6465E-006 * x - 4.8143E-007
R = 0.9999
DL = 0.0693
BEC = -0.05568

Weight: <None>
Min Conc: 0

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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			315.56		P	4.4
2	☐			336.68		P	5.5
3	☐			325.56		P	5.6
4	☐			360.01		P	11.3
5	☐			304.45		P	7.8
6	☐			368.90		P	7.6
7	☐			471.12		P	17.4
8	☐			548.91		P	9.4

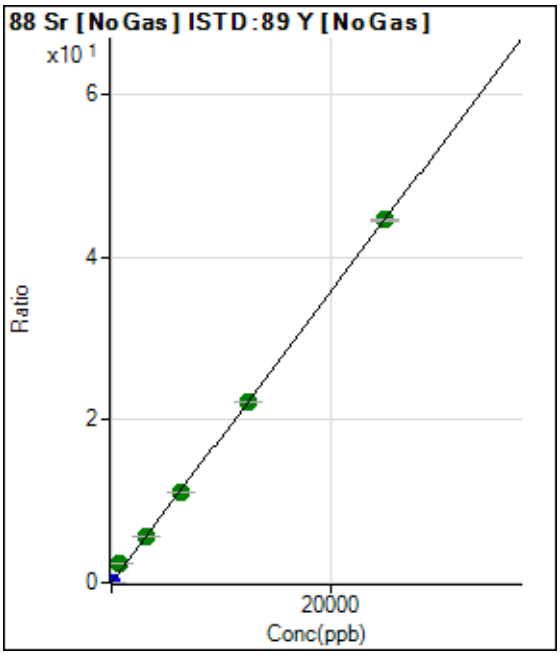


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	594.46	0.0000	P	12.1
2	☐	1.000	0.946	14575.48	0.0002	P	3.7
3	☐	625.000	1292.024	18914015.00	0.2606	A	1.2
4	☐	3125.000	3213.805	46422037.64	0.6481	A	1.6
5	☐	6250.000	6359.665	91315596.42	1.2825	A	0.3
6	☐	12500.000	12556.555	180950595.08	2.5323	A	1.1
7	☐	25000.000	24916.530	351674799.20	5.0249	A	1.7
8	☐			36476.69	0.0006	P	2.1

y = 2.0167E-004 * x + 8.0677E-006
R = 0.9997
DL = 0.0145
BEC = 0.04001

Weight: <None>
Min Conc: 0

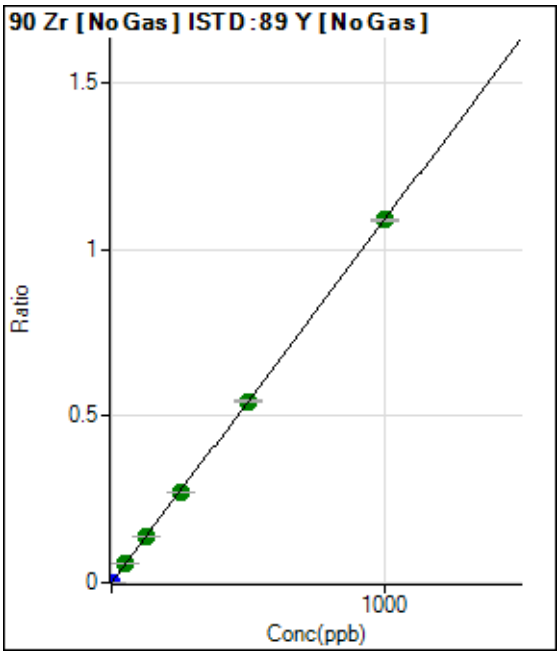
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1188.95	0.0000	P	10.9
2	☐	1.000	0.953	125682.69	0.0017	P	2.6
3	☐	625.000	1268.851	164144802.00	2.2613	A	1.2
4	☐	3125.000	3146.220	401577389.57	5.6071	A	1.7
5	☐	6250.000	6256.623	793884779.28	11.1503	A	0.2
6	☐	12500.000	12430.137	1583008527.5	22.1524	A	0.3
7	☐	25000.000	25014.527	3120046637.9	44.5796	A	0.8
8	☐			318206.54	0.0055	P	1.8

y = 0.0018 * x + 1.6119E-005
R = 0.9997
DL = 0.002957
BEC = 0.009045

Weight: <None>
Min Conc: 0

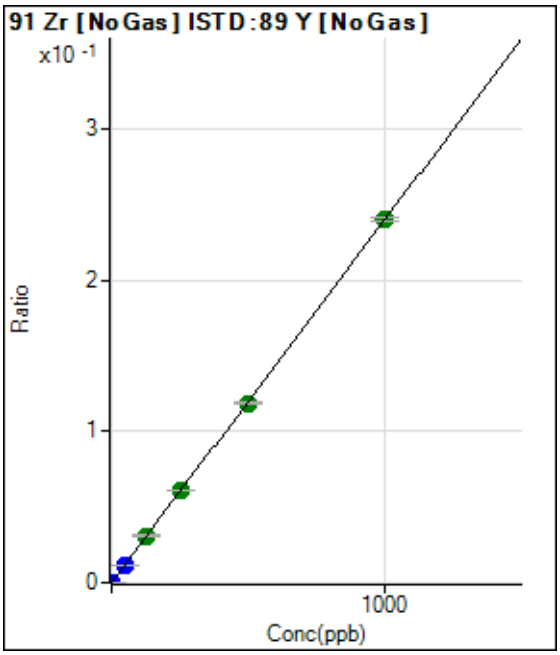


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3981.72	0.0001	P	1.3
2	☐	1.000	0.927	77957.29	0.0011	P	1.7
3	☐	50.000	51.233	4051526.23	0.0558	A	1.0
4	☐	125.000	126.499	9864875.76	0.1377	A	2.0
5	☐	250.000	249.218	19316390.96	0.2713	A	0.6
6	☐	500.000	500.083	38895998.31	0.5443	A	1.4
7	☐	1000.000	999.905	76171149.42	1.0883	A	0.5
8	☐			33886.68	0.0006	P	1.4

y = 0.0011 * x + 5.4020E-005
R = 1.0000
DL = 0.001864
BEC = 0.04963

Weight: <None>
Min Conc: 0

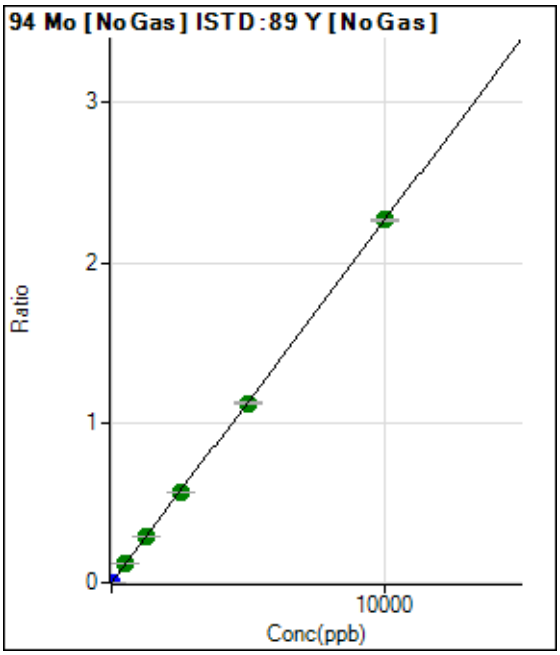
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	547.80	0.0000	P	13.8
2	☐	1.000	0.925	16832.52	0.0002	P	2.0
3	☐	50.000	48.929	852791.16	0.0117	P	0.3
4	☐	125.000	129.809	2231549.62	0.0312	A	1.3
5	☐	250.000	252.843	4320333.27	0.0607	A	0.5
6	☐	500.000	495.683	8499591.75	0.1190	A	1.3
7	☐	1000.000	1000.900	16810234.89	0.2402	A	1.0
8	☐			7334.30	0.0001	P	1.7

y = 2.3996E-004 * x + 7.4387E-006
R = 1.0000
DL = 0.01283
BEC = 0.031

Weight: <None>
Min Conc: 0

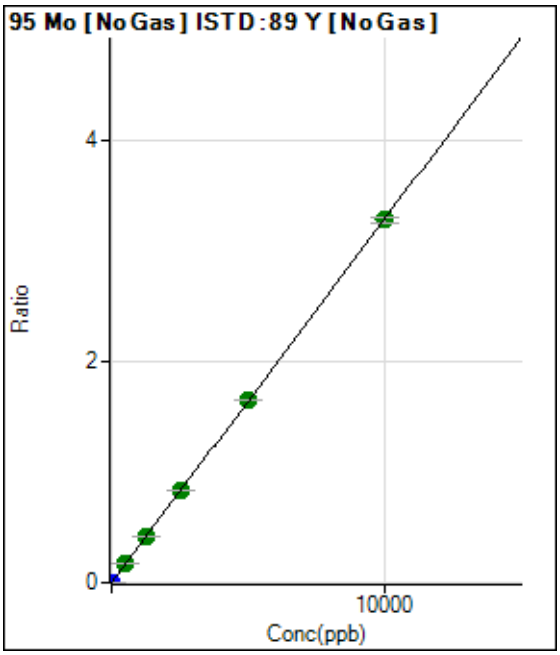


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	981.16	0.0000	P	6.4
2	☐	5.000	5.314	89246.19	0.0012	P	2.7
3	☐	500.000	507.631	8346239.04	0.1150	A	1.3
4	☐	1250.000	1271.549	20626622.05	0.2880	A	1.6
5	☐	2500.000	2507.128	40429004.95	0.5678	A	0.6
6	☐	5000.000	4960.387	80281366.58	1.1235	A	0.9
7	☐	10000.000	10014.949	158749208.74	2.2682	A	0.6
8	☐			29590.47	0.0005	P	0.8

y = 2.2648E-004 * x + 1.3316E-005
R = 1.0000
DL = 0.01133
BEC = 0.0588

Weight: <None>
Min Conc: 0

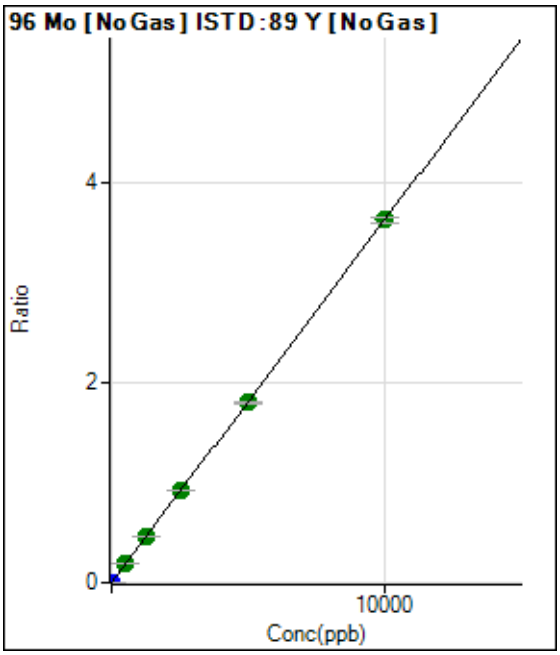
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	241.12	0.0000	P	9.4
2	☐	5.000	4.509	108838.24	0.0015	P	2.2
3	☐	500.000	513.942	12250659.12	0.1688	A	0.8
4	☐	1250.000	1275.020	29987307.05	0.4187	A	1.6
5	☐	2500.000	2530.606	59166212.45	0.8310	A	0.3
6	☐	5000.000	5012.748	117629113.80	1.6461	A	0.5
7	☐	10000.000	9982.150	229419398.80	3.2779	A	1.6
8	☐			34570.77	0.0006	P	1.8

y = 3.2838E-004 * x + 3.2714E-006
R = 1.0000
DL = 0.002808
BEC = 0.009962

Weight: <None>
Min Conc: 0

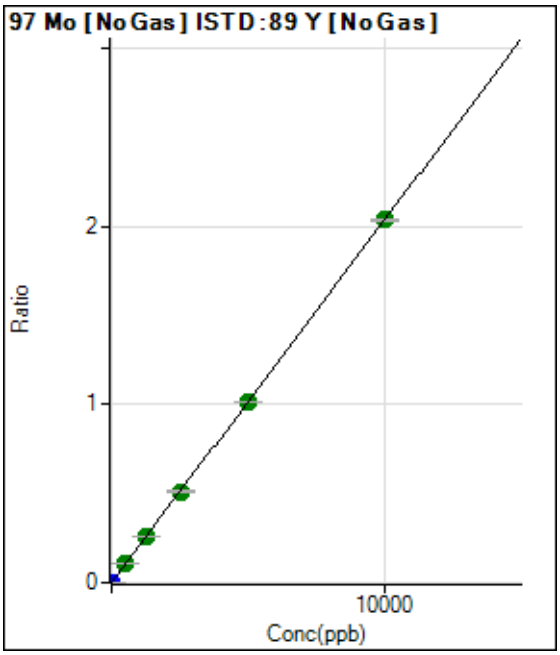


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	466.68	0.0000	P	11.1
2	☐	5.000	4.546	121145.09	0.0017	P	2.0
3	☐	500.000	512.371	13460896.88	0.1854	A	0.7
4	☐	1250.000	1281.487	33216842.84	0.4638	A	2.0
5	☐	2500.000	2527.431	65127164.58	0.9147	A	0.4
6	☐	5000.000	4961.467	128311880.31	1.7956	A	1.0
7	☐	10000.000	10007.855	253497329.56	3.6220	A	1.5
8	☐			45826.63	0.0008	P	1.1

y = 3.6191E-004 * x + 6.3341E-006
R = 1.0000
DL = 0.005844
BEC = 0.0175

Weight: <None>
Min Conc: 0

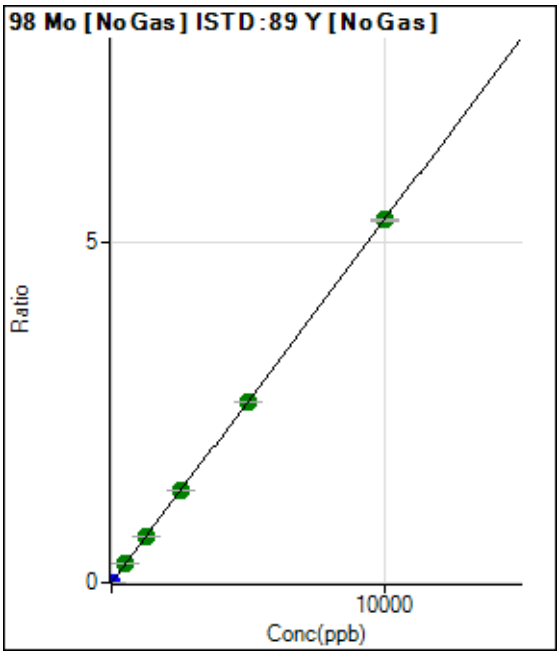
Reviewed By:mohan
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	143.34	0.0000	P	16.9
2	☐	5.000	4.532	67851.37	0.0009	P	1.9
3	☐	500.000	511.721	7566838.64	0.1042	A	0.9
4	☐	1250.000	1278.617	18655894.72	0.2605	A	1.2
5	☐	2500.000	2515.949	36490196.40	0.5125	A	0.7
6	☐	5000.000	4974.618	72413239.48	1.0134	A	0.6
7	☐	10000.000	10004.541	142633528.98	2.0380	A	0.8
8	☐			19197.91	0.0003	P	1.4

y = 2.0370E-004 * x + 1.9431E-006
R = 1.0000
DL = 0.004828
BEC = 0.009539

Weight: <None>
Min Conc: 0

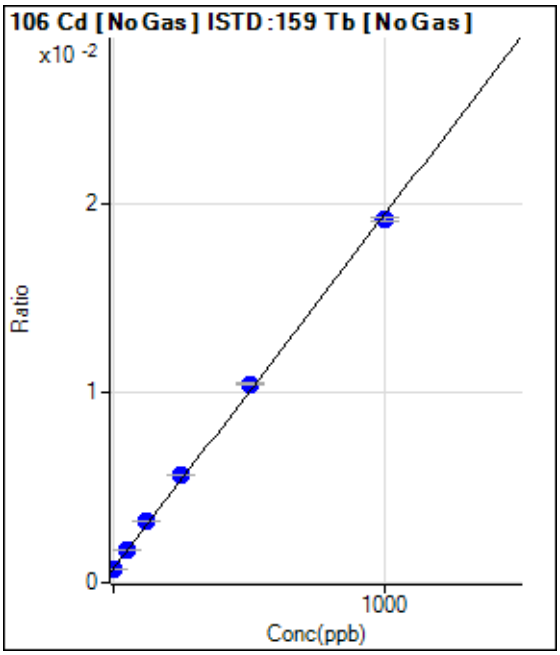


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	375.56	0.0000	P	14.1
2	☐	5.000	4.475	175644.84	0.0024	P	2.4
3	☐	500.000	508.158	19699085.82	0.2714	A	0.9
4	☐	1250.000	1281.642	49020072.05	0.6844	A	2.1
5	☐	2500.000	2535.399	96402387.45	1.3540	A	0.5
6	☐	5000.000	4983.031	190154314.95	2.6611	A	0.7
7	☐	10000.000	9995.272	373582141.10	5.3378	A	0.4
8	☐			47458.05	0.0008	P	1.6

y = 5.3403E-004 * x + 5.0934E-006
R = 1.0000
DL = 0.00404
BEC = 0.009538

Weight: <None>
Min Conc: 0

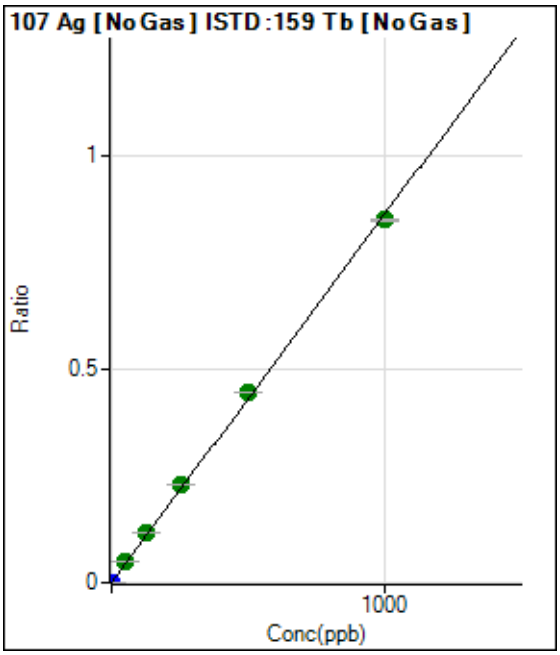
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	47153.69	0.0007	P	0.5
2	☐	1.000	1.296	49185.12	0.0007	P	0.5
3	☐	50.000	56.244	116499.23	0.0018	P	0.8
4	☐	125.000	136.163	216080.96	0.0033	P	1.5
5	☐	250.000	264.487	375809.62	0.0057	P	0.7
6	☐	500.000	522.323	680319.77	0.0105	P	1.0
7	☐	1000.000	983.509	1247052.69	0.0191	P	1.1
8	☐			36783.42	0.0007	P	0.9

y = 1.8718E-005 * x + 7.1091E-004
R = 0.9995
DL = 0.5917
BEC = 37.98

Weight: <None>
Min Conc: 0

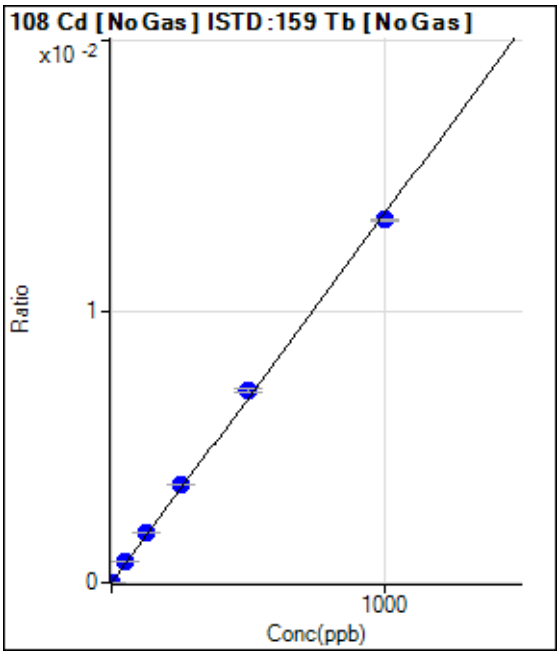


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	588.39	0.0000	P	3.6
2	☐	1.000	1.034	60148.65	0.0009	P	1.6
3	☐	50.000	58.751	3340661.14	0.0506	A	1.2
4	☐	125.000	136.292	7777216.57	0.1173	A	1.4
5	☐	250.000	266.291	15215421.33	0.2292	A	0.3
6	☐	500.000	517.510	28896031.35	0.4454	A	0.4
7	☐	1000.000	985.323	55315463.08	0.8481	A	0.4
8	☐			3705.16	0.0001	P	6.0

y = 8.6071E-004 * x + 8.8703E-006
R = 0.9996
DL = 0.001107
BEC = 0.01031

Weight: <None>
Min Conc: 0

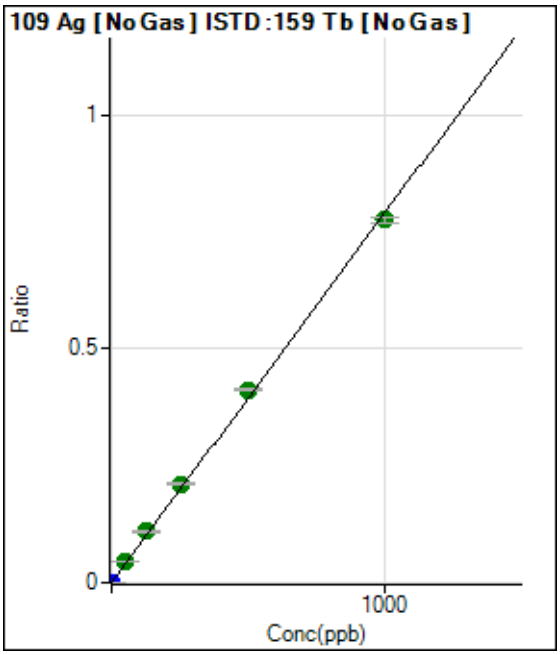
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	92.22	0.0000	P	19.7
2	☐	1.000	1.039	1040.05	0.0000	P	3.3
3	☐	50.000	56.689	51110.88	0.0008	P	1.4
4	☐	125.000	136.236	123145.33	0.0019	P	2.0
5	☐	250.000	265.885	240567.00	0.0036	P	1.6
6	☐	500.000	521.387	460953.96	0.0071	P	1.1
7	☐	1000.000	983.596	874241.36	0.0134	P	0.5
8	☐			368.90	0.0000	P	12.9

y = 1.3626E-005 * x + 1.3900E-006
R = 0.9995
DL = 0.06035
BEC = 0.102

Weight: <None>
Min Conc: 0

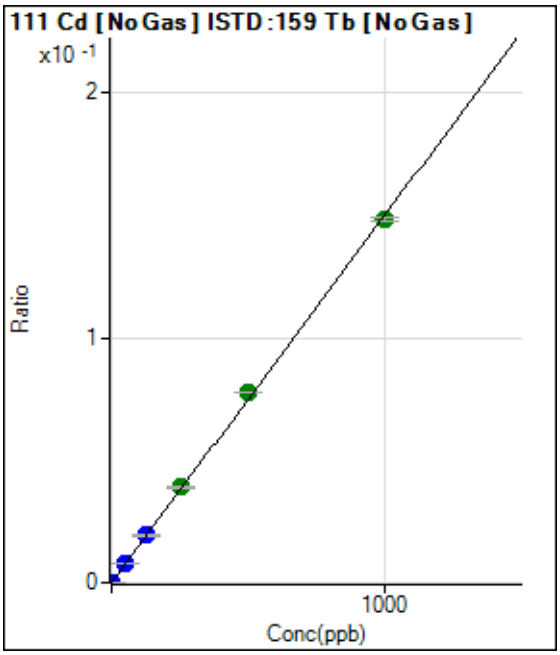


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	116.67	0.0000	P	28.7
2	☐	1.000	1.063	56284.44	0.0008	P	1.6
3	☐	50.000	58.686	3061633.60	0.0464	A	1.4
4	☐	125.000	138.292	7241219.06	0.1092	A	0.9
5	☐	250.000	266.214	13956717.71	0.2103	A	1.5
6	☐	500.000	523.149	26804630.15	0.4132	A	0.5
7	☐	1000.000	982.276	50600099.80	0.7758	A	1.3
8	☐			3104.84	0.0001	P	8.8

y = 7.8983E-004 * x + 1.7579E-006
R = 0.9994
DL = 0.001918
BEC = 0.002226

Weight: <None>
Min Conc: 0

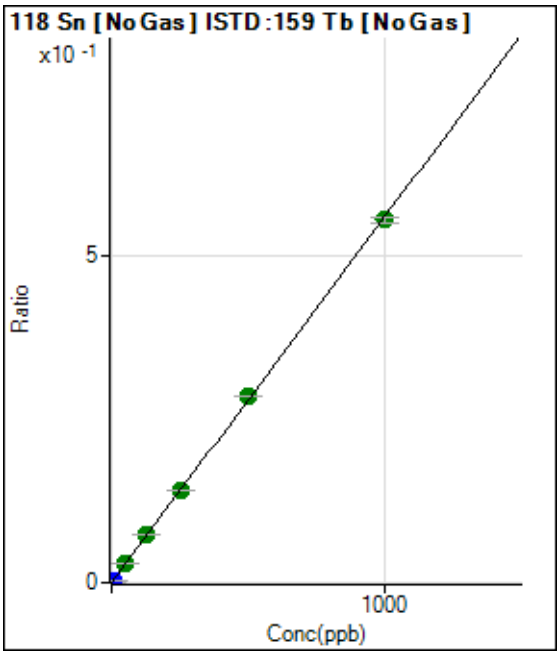
Reviewed By:mohan
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2318.68	0.0000	P	0.6
2	☐	1.000	1.076	13113.79	0.0002	P	2.0
3	☐	50.000	53.171	527988.06	0.0080	P	1.4
4	☐	125.000	128.355	1275946.71	0.0192	P	1.5
5	☐	250.000	260.914	2594612.91	0.0391	A	1.9
6	☐	500.000	516.276	5015373.17	0.0773	A	0.1
7	☐	1000.000	988.555	9653306.73	0.1480	A	1.2
8	☐			2878.79	0.0001	P	2.1

y = 1.4968E-004 * x + 3.4958E-005
R = 0.9997
DL = 0.004065
BEC = 0.2335

Weight: <None>
Min Conc: 0

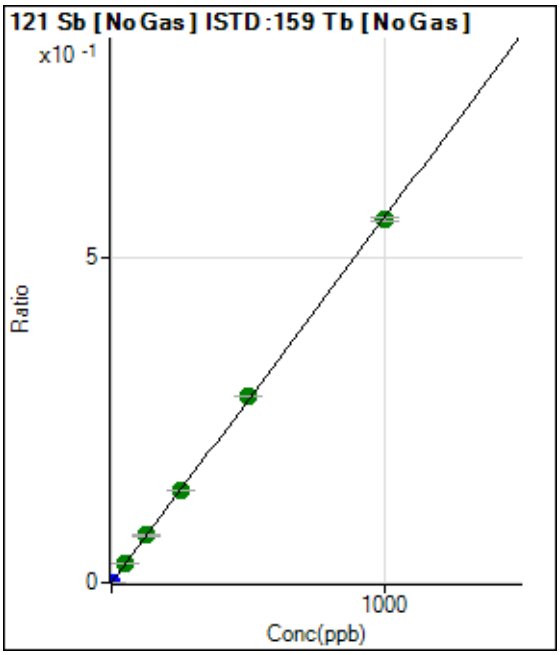


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	8647.25	0.0001	P	3.0
2	☐	5.000	4.939	193400.39	0.0029	P	1.5
3	☐	50.000	53.338	1977738.86	0.0299	A	1.2
4	☐	125.000	130.525	4844803.99	0.0731	A	1.5
5	☐	250.000	254.376	9446354.16	0.1423	A	0.5
6	☐	500.000	510.873	18531276.53	0.2857	A	0.4
7	☐	1000.000	992.612	36193730.85	0.5549	A	1.4
8	☐			33198.00	0.0006	P	0.3

y = 5.5892E-004 * x + 1.3038E-004
R = 0.9999
DL = 0.02125
BEC = 0.2333

Weight: <None>
Min Conc: 0

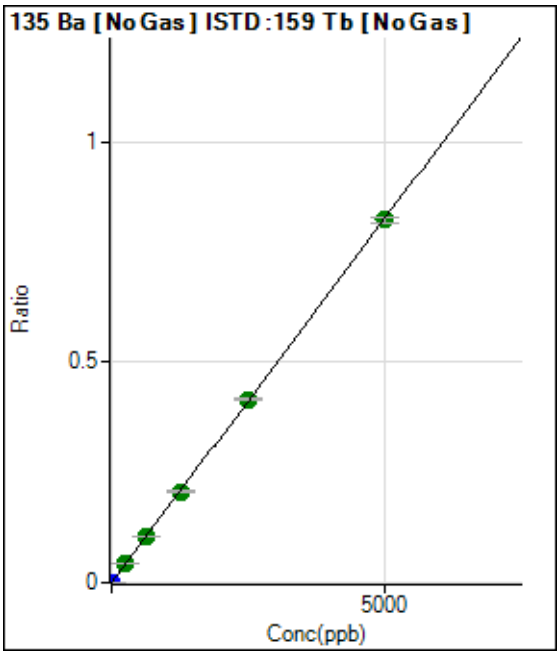
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	110.00	0.0000	P	10.6
2	☐	2.000	2.007	75558.30	0.0011	P	1.0
3	☐	50.000	52.802	1959915.54	0.0297	A	0.7
4	☐	125.000	129.414	4820864.41	0.0727	A	1.3
5	☐	250.000	253.257	9446018.82	0.1423	A	1.6
6	☐	500.000	510.338	18602447.22	0.2868	A	0.9
7	☐	1000.000	993.325	36405647.24	0.5582	A	0.9
8	☐			16419.05	0.0003	P	15.2

y = 5.6192E-004 * x + 1.6581E-006
R = 0.9999
DL = 0.000941
BEC = 0.002951

Weight: <None>
Min Conc: 0

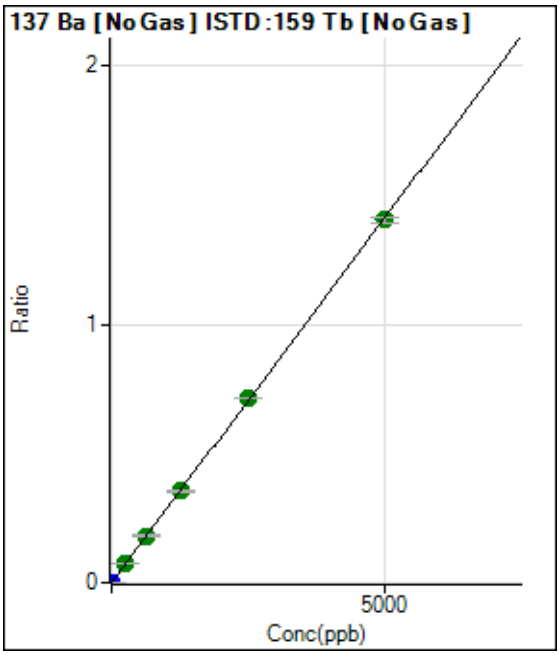


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	240.00	0.0000	P	7.7
2	☐	10.000	9.518	105365.78	0.0016	P	1.1
3	☐	250.000	260.369	2839212.32	0.0430	A	1.4
4	☐	625.000	642.198	7028575.80	0.1060	A	0.8
5	☐	1250.000	1253.240	13733027.71	0.2069	A	1.2
6	☐	2500.000	2517.856	26964174.60	0.4157	A	0.8
7	☐	5000.000	4987.595	53700705.87	0.8234	A	1.3
8	☐			15632.45	0.0003	P	0.8

y = 1.6508E-004 * x + 3.6190E-006
R = 1.0000
DL = 0.00504
BEC = 0.02192

Weight: <None>
Min Conc: 0

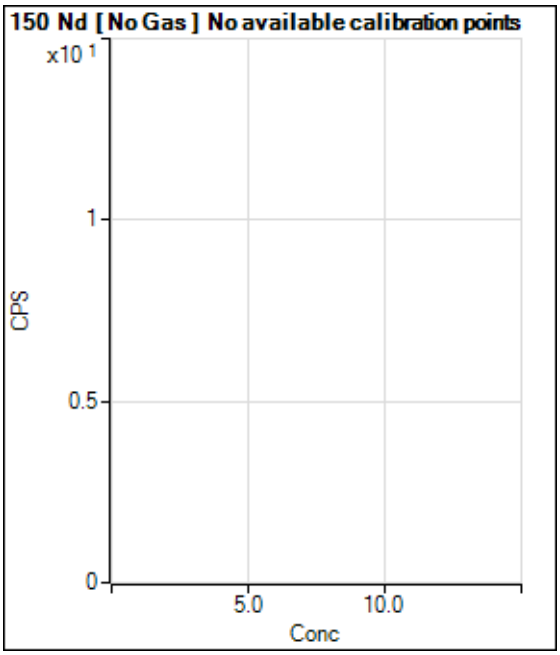
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	342.23	0.0000	P	10.2
2	☐	10.000	9.798	185145.25	0.0028	P	0.9
3	☐	250.000	262.317	4884957.11	0.0740	A	1.6
4	☐	625.000	645.889	12071073.02	0.1821	A	1.9
5	☐	1250.000	1260.077	23580319.37	0.3553	A	1.8
6	☐	2500.000	2532.518	46317362.64	0.7140	A	0.2
7	☐	5000.000	4977.995	91538495.30	1.4034	A	1.4
8	☐			27048.19	0.0005	P	2.1

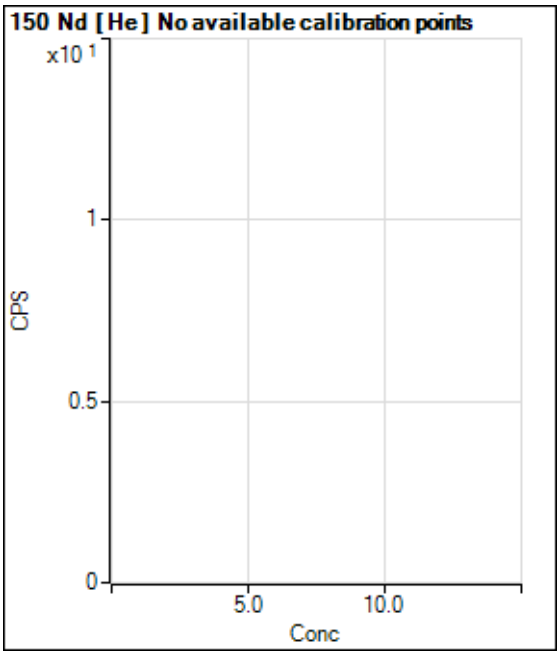
y = 2.8193E-004 * x + 5.1576E-006
R = 1.0000
DL = 0.005595
BEC = 0.01829

Weight: <None>
Min Conc: 0

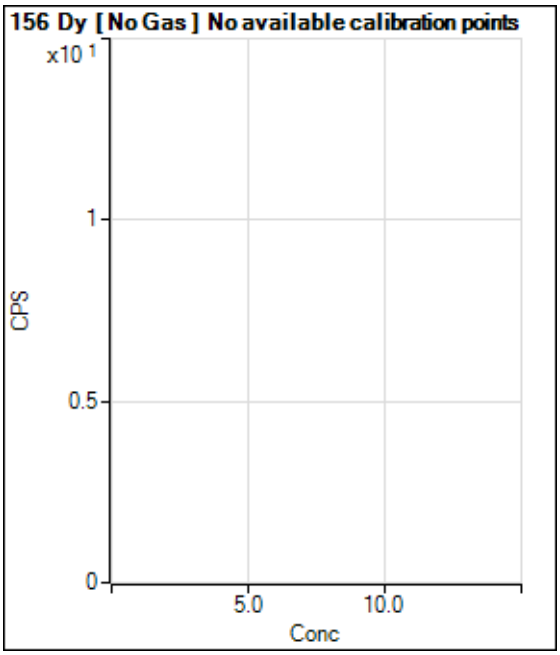


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			65.56		P	11.7
2	☐			65.56		P	37.5
3	☐			438.90		P	6.5
4	☐			1040.05		P	2.7
5	☐			1933.50		P	6.3
6	☐			3780.58		P	0.8
7	☐			7610.02		P	0.3
8	☐			811.15		P	1.3

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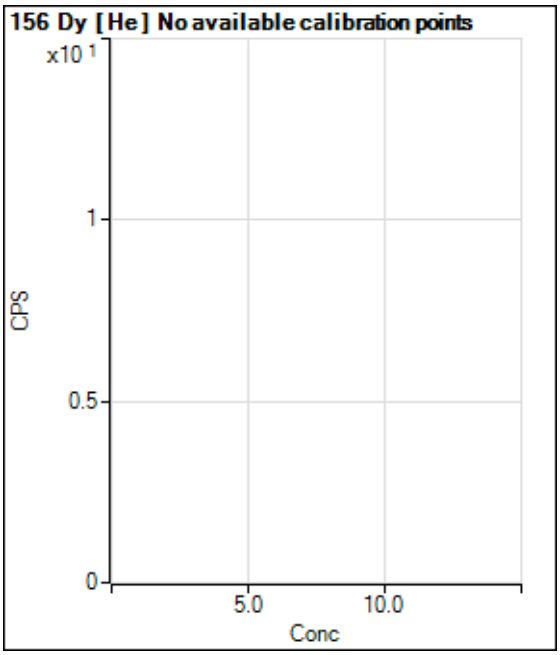


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			8.89		P	57.3
2	☐			13.33		P	25.0
3	☐			34.44		P	34.0
4	☐			66.67		P	37.7
5	☐			114.45		P	7.3
6	☐			187.78		P	6.7
7	☐			558.91		P	11.8
8	☐			260.01		P	7.8

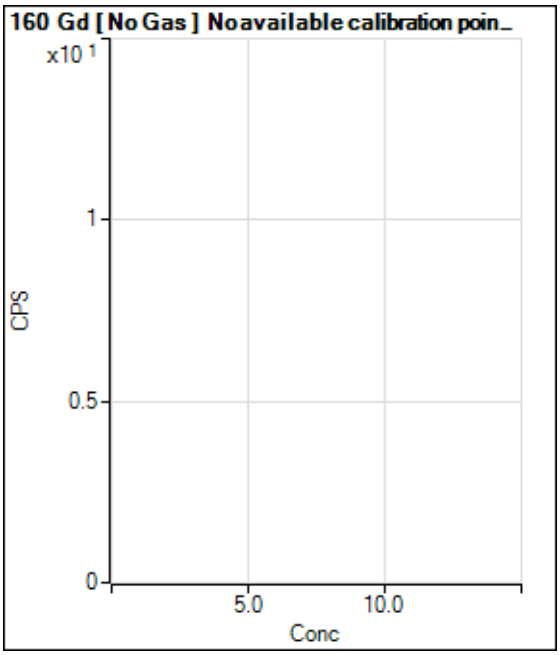


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			432.23		P	7.7
2	☐			433.34		P	4.3
3	☐			493.35		P	9.4
4	☐			604.47		P	10.9
5	☐			676.69		P	6.9
6	☐			968.94		P	7.6
7	☐			1850.15		P	2.0
8	☐			1994.61		P	3.9

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Inst Id :P8

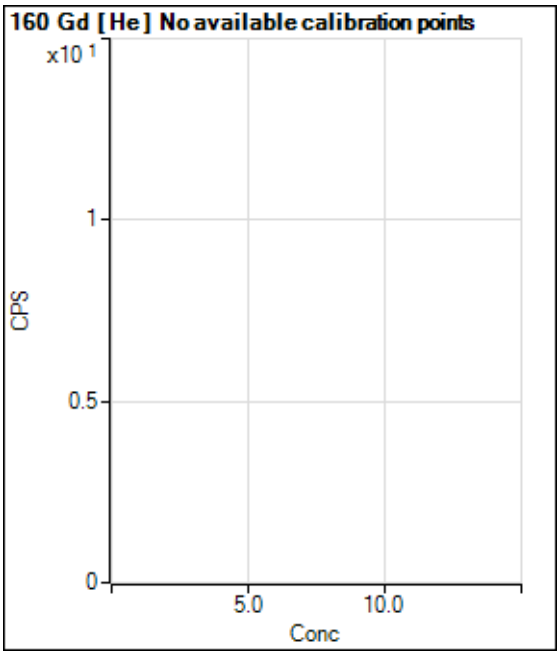


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			54.44		P	21.5
2	☐			47.78		P	32.2
3	☐			94.45		P	29.6
4	☐			148.89		P	17.1
5	☐			235.56		P	4.5
6	☐			421.12		P	4.5
7	☐			824.48		P	5.8
8	☐			723.36		P	2.6

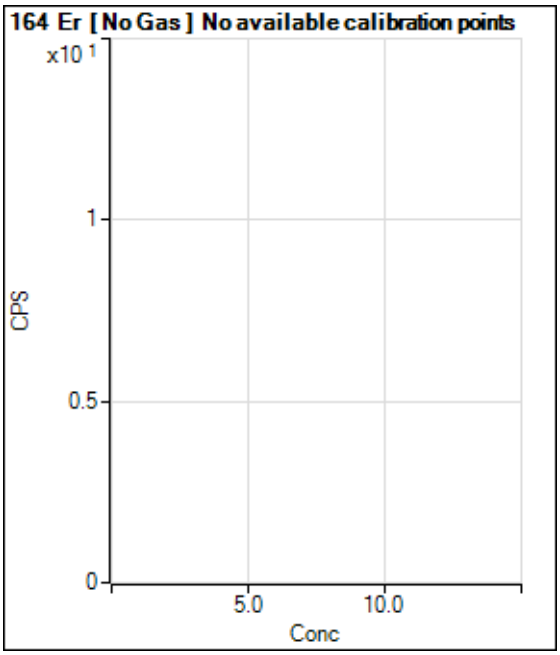


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1	☐			1238.96		P	11.1
2	☐			1201.18		P	9.9
3	☐			1272.30		P	3.0
4	☐			1272.29		P	2.4
5	☐			1294.52		P	4.6
6	☐			1395.65		P	3.4
7	☐			1656.79		P	4.0
8	☐			2373.58		P	6.5

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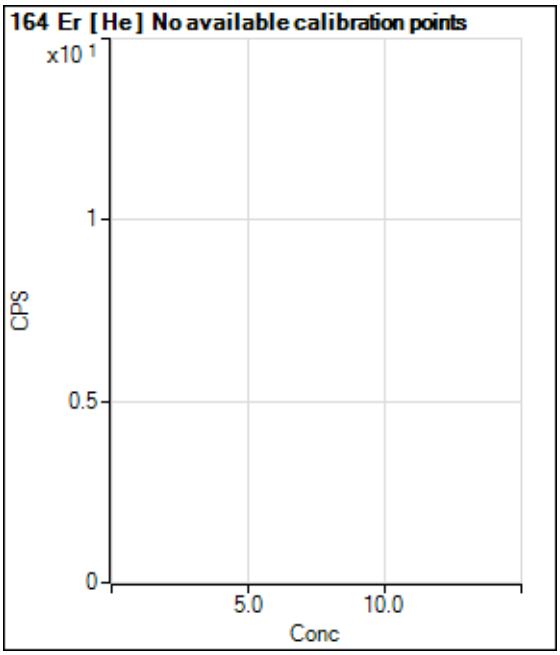


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1	☐			1235.63		P	6.1
2	☐			1247.85		P	4.5
3	☐			1283.41		P	5.7
4	☐			1218.96		P	0.4
5	☐			1213.40		P	0.5
6	☐			1287.85		P	2.7
7	☐			1346.75		P	2.8
8	☐			1790.14		P	2.3

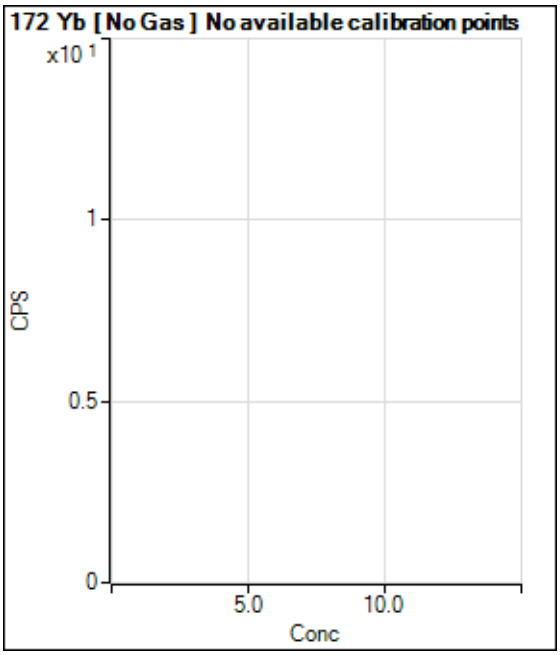


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			483.35		P	3.2
2	☐			452.24		P	16.4
3	☐			506.68		P	13.1
4	☐			571.13		P	11.9
5	☐			558.91		P	8.1
6	☐			771.14		P	6.9
7	☐			1035.61		P	5.0
8	☐			1393.43		P	3.2

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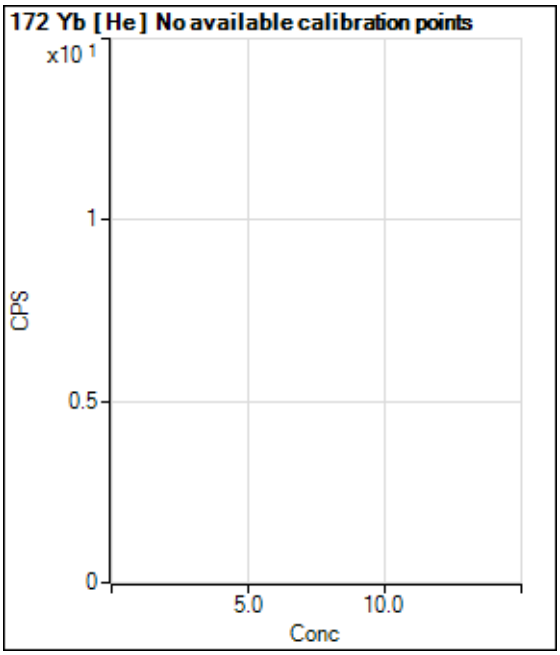


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1	☐			197.78		P	15.1
2	☐			186.67		P	10.9
3	☐			180.00		P	22.8
4	☐			193.34		P	11.3
5	☐			218.89		P	8.9
6	☐			235.56		P	8.3
7	☐			402.23		P	16.3
8	☐			585.57		P	1.8

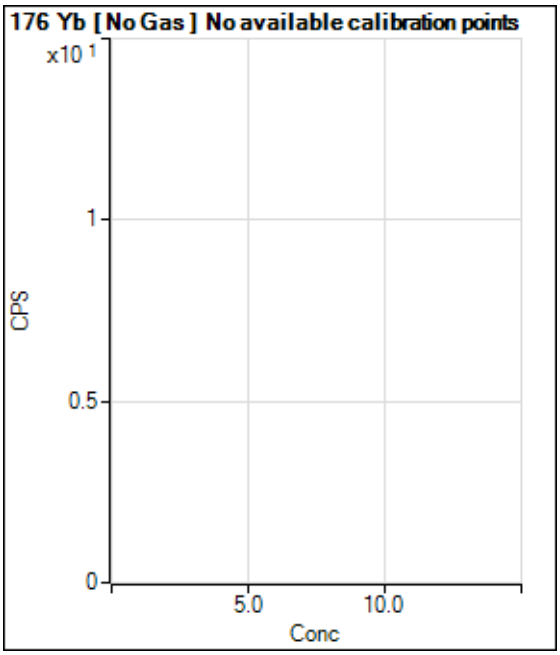


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1	☐			438.90		P	4.2
2	☐			430.01		P	9.4
3	☐			441.12		P	8.1
4	☐			506.68		P	4.7
5	☐			508.90		P	7.6
6	☐			672.25		P	8.1
7	☐			947.82		P	1.4
8	☐			2131.31		P	1.1

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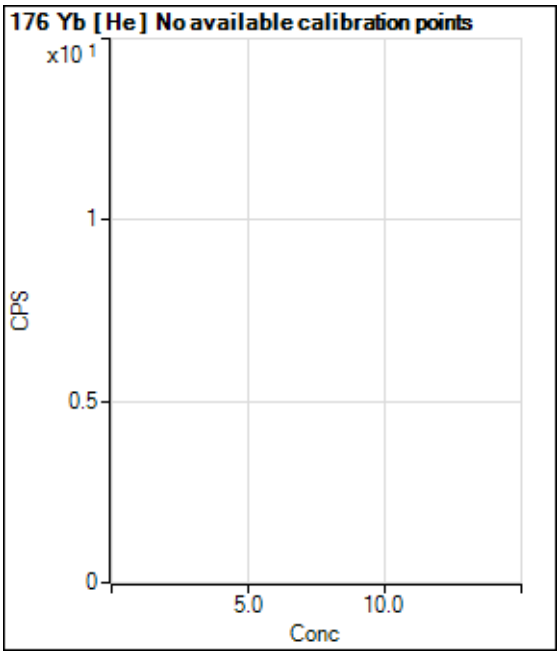


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			175.56		P	25.3
2	☐			188.89		P	13.0
3	☐			174.45		P	8.0
4	☐			217.78		P	8.4
5	☐			263.34		P	11.0
6	☐			282.23		P	7.5
7	☐			396.68		P	6.7
8	☐			1044.50		P	3.5

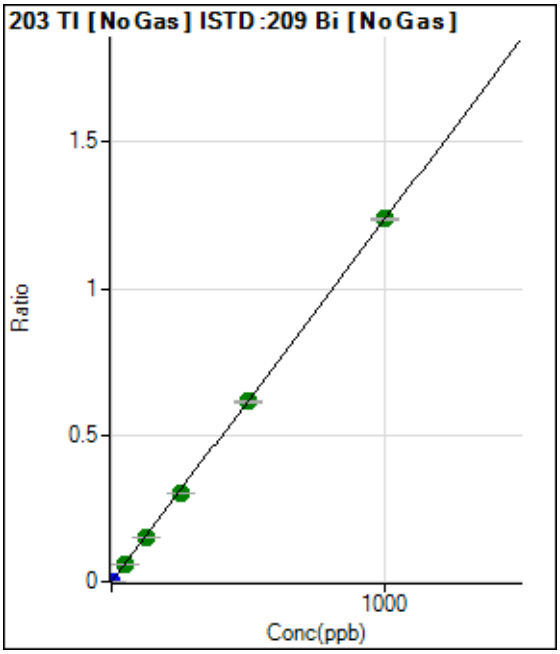


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			19593.52		P	1.1
2	☐			20060.87		P	1.9
3	☐			30395.05		P	0.6
4	☐			46341.02		P	1.7
5	☐			72089.74		P	0.6
6	☐			124450.88		P	0.7
7	☐			226024.05		P	1.6
8	☐			16751.83		P	2.3

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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			94088.63		P	1.1
2	☐			94519.66		P	1.4
3	☐			94651.00		P	4.2
4	☐			103362.93		P	1.4
5	☐			112427.78		P	1.7
6	☐			132868.32		P	0.9
7	☐			171829.94		P	0.0
8	☐			83263.47		P	1.0

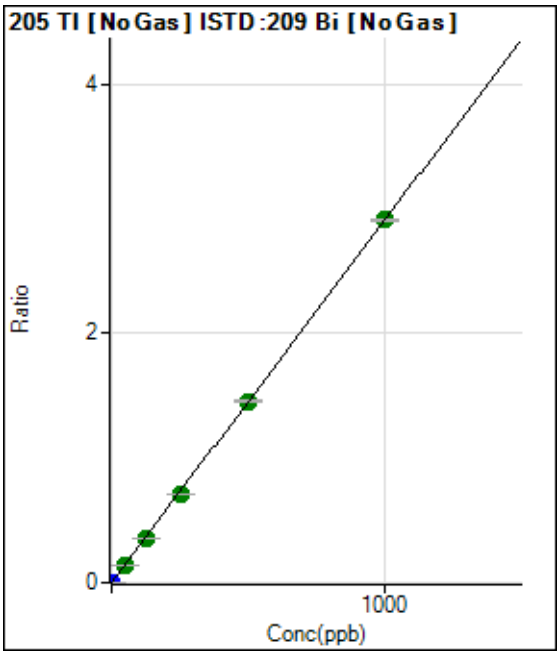


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1040.05	0.0000	P	4.3
2	☐	1.000	0.921	48006.09	0.0012	P	1.9
3	☐	50.000	49.264	2459292.60	0.0608	A	0.7
4	☐	125.000	122.831	5996997.48	0.1516	A	0.9
5	☐	250.000	245.076	11766219.96	0.3025	A	0.2
6	☐	500.000	497.577	23181192.16	0.6142	A	0.4
7	☐	1000.000	1002.750	44825658.22	1.2378	A	0.5
8	☐			5091.07	0.0002	P	9.0

y = 0.0012 * x + 2.5125E-005
R = 1.0000
DL = 0.002619
BEC = 0.02035

Weight: <None>
Min Conc: 0

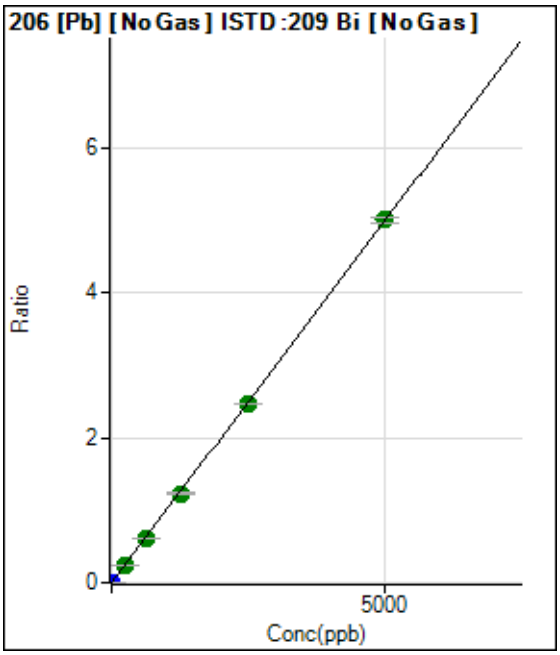
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2392.47	0.0001	P	1.9
2	☐	1.000	0.923	113392.41	0.0027	P	1.6
3	☐	50.000	49.304	5798274.77	0.1435	A	1.7
4	☐	125.000	122.604	14104219.65	0.3566	A	1.2
5	☐	250.000	245.512	27772938.48	0.7141	A	0.6
6	☐	500.000	499.336	54811350.30	1.4523	A	1.1
7	☐	1000.000	1001.788	105515202.87	2.9136	A	0.8
8	☐			11954.53	0.0005	P	9.0

y = 0.0029 * x + 5.7801E-005
R = 1.0000
DL = 0.001152
BEC = 0.01987

Weight: <None>
Min Conc: 0

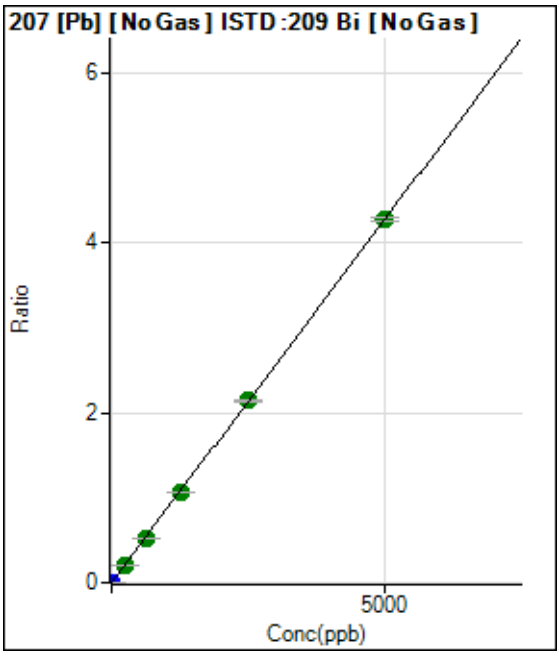


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	945.60	0.0000	P	6.6
2	☐	1.000	0.911	38531.52	0.0009	P	1.5
3	☐	250.000	245.727	9913871.87	0.2453	A	1.1
4	☐	625.000	616.083	24315976.03	0.6149	A	1.1
5	☐	1250.000	1236.345	47989230.95	1.2339	A	0.5
6	☐	2500.000	2472.701	93138449.72	2.4677	A	0.2
7	☐	5000.000	5018.392	181374090.63	5.0083	A	1.3
8	☐			33100.20	0.0012	P	2.8

y = 9.9799E-004 * x + 2.2844E-005
R = 1.0000
DL = 0.00455
BEC = 0.02289

Weight: <None>
Min Conc: 0

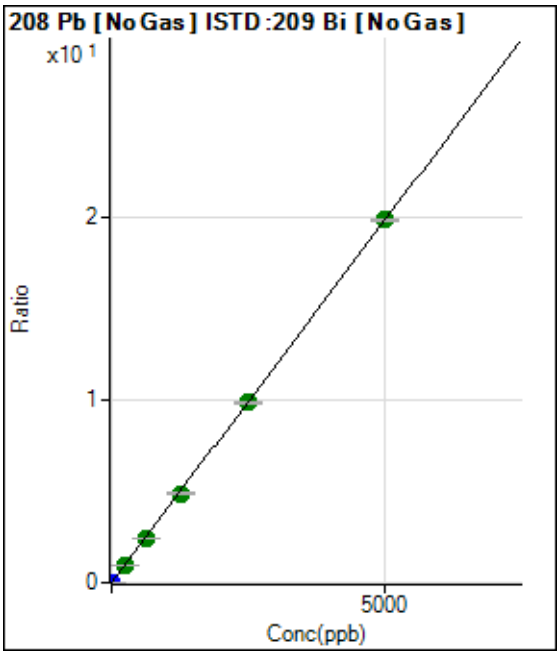
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	842.26	0.0000	P	8.9
2	☐	1.000	0.934	33770.66	0.0008	P	0.9
3	☐	250.000	248.075	8557222.23	0.2117	A	1.1
4	☐	625.000	617.905	20854096.08	0.5273	A	0.3
5	☐	1250.000	1241.632	41205152.17	1.0595	A	0.2
6	☐	2500.000	2506.570	80726438.24	2.1388	A	1.0
7	☐	5000.000	4999.790	154496689.92	4.2661	A	1.1
8	☐			28567.14	0.0011	P	1.7

y = 8.5326E-004 * x + 2.0346E-005
R = 1.0000
DL = 0.006361
BEC = 0.02384

Weight: <None>
Min Conc: 0

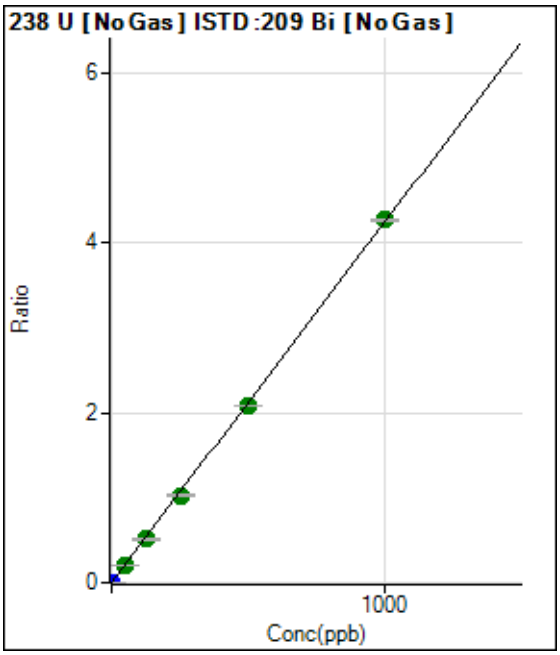


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3774.70	0.0001	P	3.6
2	☐	1.000	0.923	154673.25	0.0037	P	0.8
3	☐	250.000	246.233	39369805.73	0.9740	A	1.4
4	☐	625.000	617.420	96584045.23	2.4422	A	0.6
5	☐	1250.000	1233.873	189813257.17	4.8804	A	0.3
6	☐	2500.000	2487.106	371291560.58	9.8373	A	0.4
7	☐	5000.000	5011.614	717865521.52	19.8224	A	0.4
8	☐			130830.10	0.0049	P	2.7

y = 0.0040 * x + 9.1192E-005
R = 1.0000
DL = 0.002517
BEC = 0.02306

Weight: <None>
Min Conc: 0

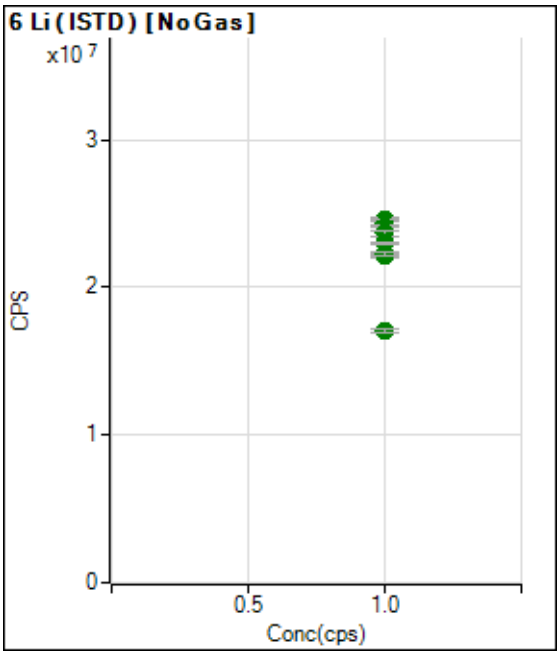
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	321.12	0.0000	P	9.2
2	☐	1.000	0.871	152991.62	0.0037	P	2.3
3	☐	50.000	46.842	8034430.23	0.1988	A	0.8
4	☐	125.000	120.167	20163917.06	0.5099	A	1.3
5	☐	250.000	242.776	40062773.02	1.0301	A	0.9
6	☐	500.000	491.376	78692777.72	2.0849	A	0.7
7	☐	1000.000	1006.880	154715934.36	4.2722	A	0.8
8	☐			3010.49	0.0001	P	14.4

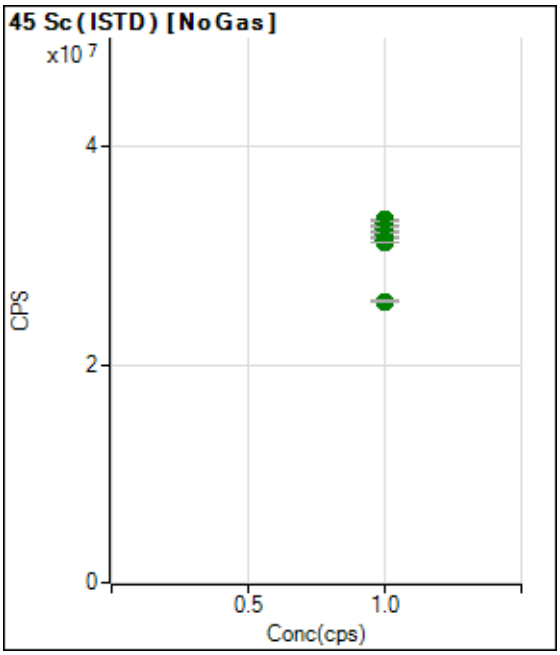
y = 0.0042 * x + 7.7571E-006
R = 0.9999
DL = 0.0005036
BEC = 0.001828

Weight: <None>
Min Conc: 0

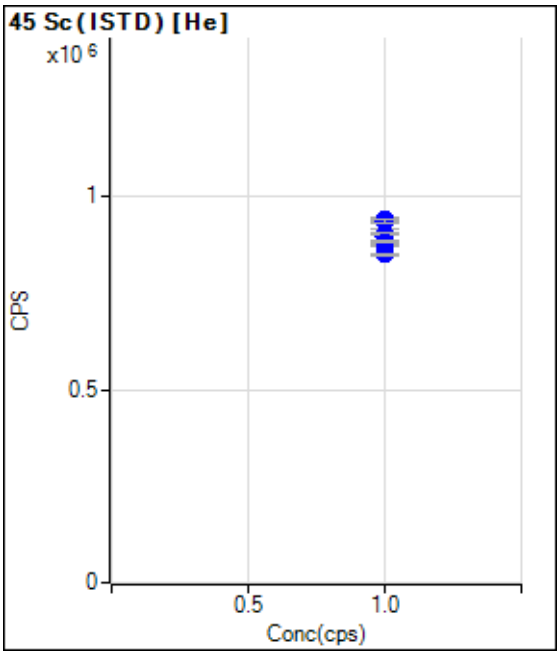


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		24568695.62		A	1.0
2	☐	1.000		24344633.83		A	2.5
3	☐	1.000		24141223.22		A	0.5
4	☐	1.000		23641036.37		A	1.9
5	☐	1.000		23016646.50		A	0.5
6	☐	1.000		22148012.58		A	0.9
7	☐	1.000		22282555.34		A	1.2
8	☐	1.000		17069608.62		A	1.1

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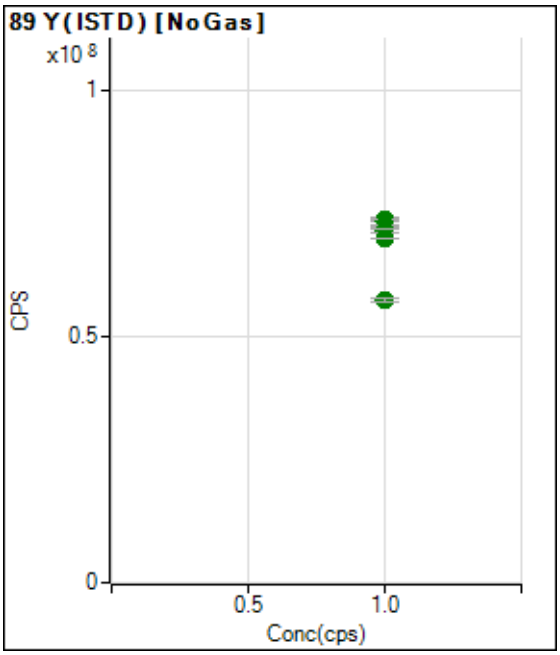


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		33265217.84		A	0.9
2	☐	1.000		32992293.68		A	2.4
3	☐	1.000		32935642.56		A	1.1
4	☐	1.000		32406450.91		A	1.4
5	☐	1.000		31911728.69		A	0.8
6	☐	1.000		31373527.03		A	1.0
7	☐	1.000		31189619.26		A	0.1
8	☐	1.000		25817262.11		A	1.3

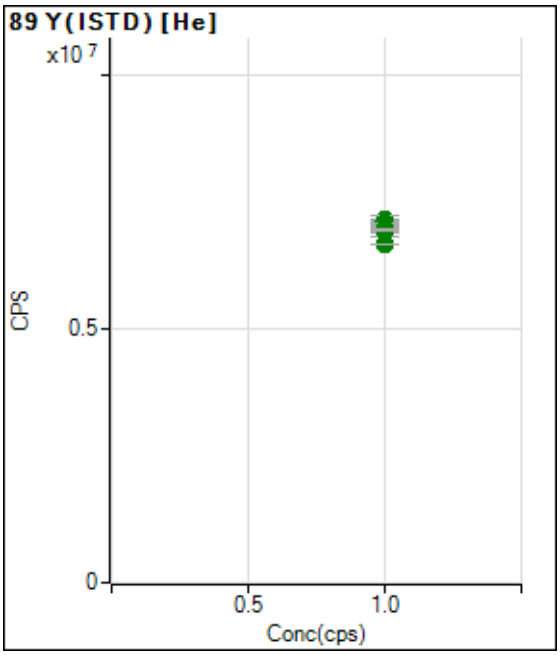


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		940478.37		P	0.9
2	☐	1.000		935767.82		P	0.9
3	☐	1.000		895555.11		P	4.7
4	☐	1.000		902815.56		P	0.5
5	☐	1.000		883637.27		P	0.6
6	☐	1.000		878961.96		P	0.4
7	☐	1.000		883782.89		P	0.6
8	☐	1.000		852080.13		P	0.5

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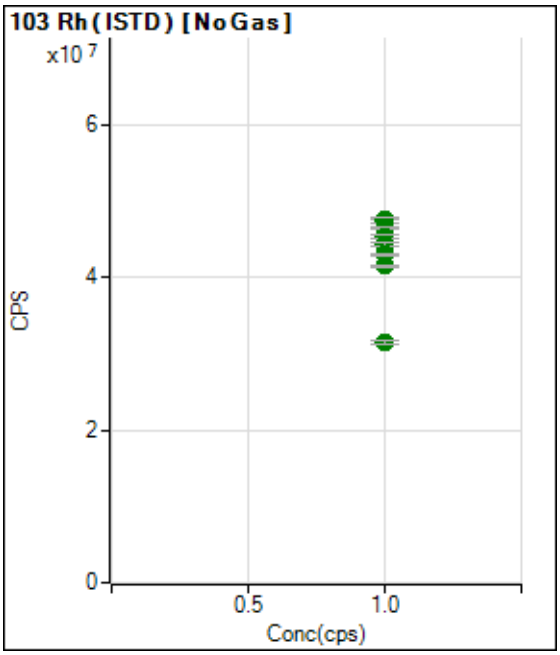


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1	☐	1.000		73713904.46		A	1.1
2	☐	1.000		73363812.24		A	1.7
3	☐	1.000		72588115.59		A	0.2
4	☐	1.000		71632593.38		A	1.5
5	☐	1.000		71198883.39		A	0.1
6	☐	1.000		71458739.49		A	0.9
7	☐	1.000		69988137.29		A	0.2
8	☐	1.000		57596030.25		A	1.5

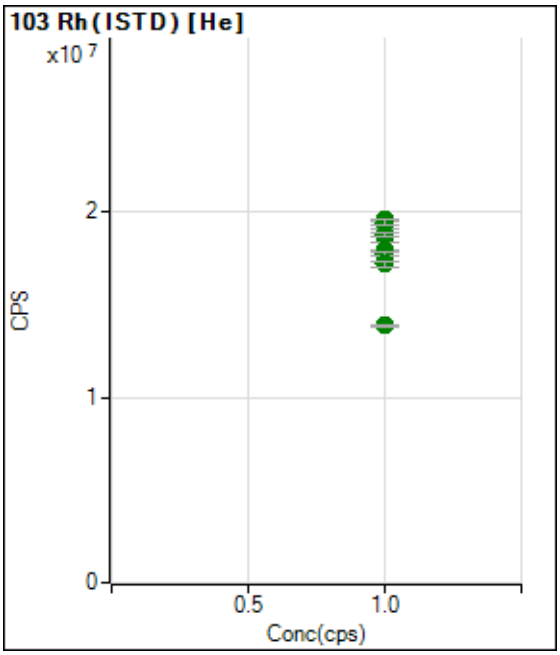


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		7152576.35		A	0.5
2	☐	1.000		7141123.64		A	2.3
3	☐	1.000		6949335.38		A	3.9
4	☐	1.000		7076252.81		A	0.8
5	☐	1.000		6935130.31		A	0.9
6	☐	1.000		6971297.47		A	0.9
7	☐	1.000		6958934.83		A	0.7
8	☐	1.000		6672878.09		A	0.3

Reviewed By:mohan
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Inst Id :P8

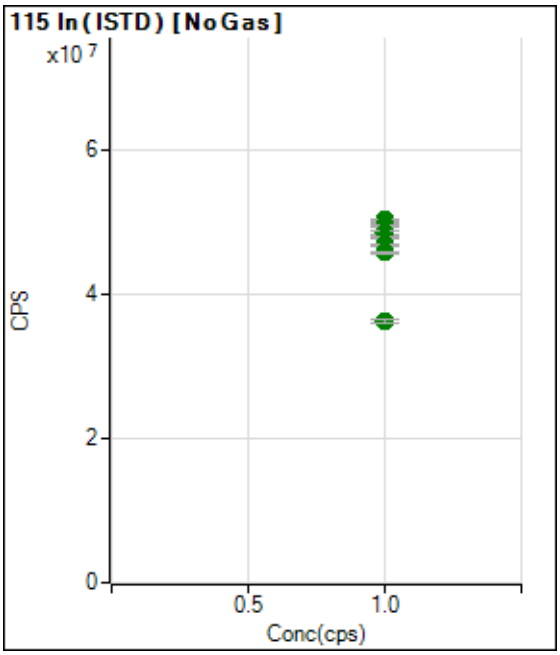


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		47274824.30		A	1.1
2	☐	1.000		47505049.29		A	1.3
3	☐	1.000		46526504.31		A	0.7
4	☐	1.000		45318783.21		A	1.4
5	☐	1.000		44280977.12		A	0.9
6	☐	1.000		43018764.36		A	0.7
7	☐	1.000		41502150.49		A	0.6
8	☐	1.000		31434358.42		A	2.0

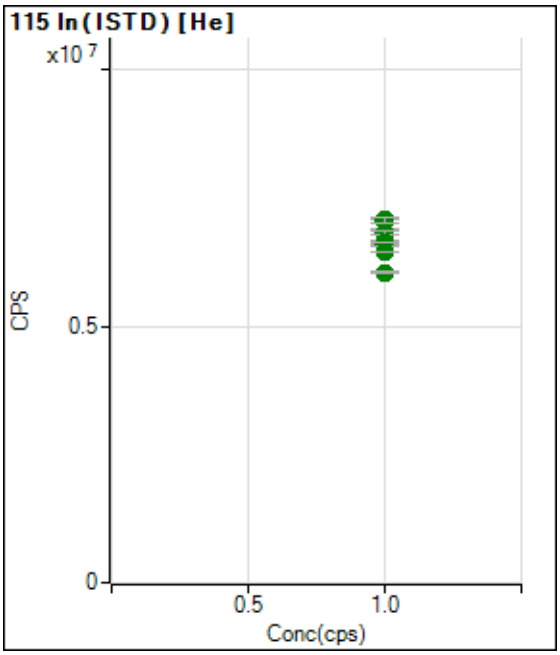


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		19580913.04		A	0.4
2	☐	1.000		19459257.07		A	1.4
3	☐	1.000		18727114.58		A	4.2
4	☐	1.000		18761227.50		A	0.9
5	☐	1.000		17949430.01		A	0.4
6	☐	1.000		17747406.68		A	1.7
7	☐	1.000		17218501.00		A	1.7
8	☐	1.000		13872763.96		A	0.6

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
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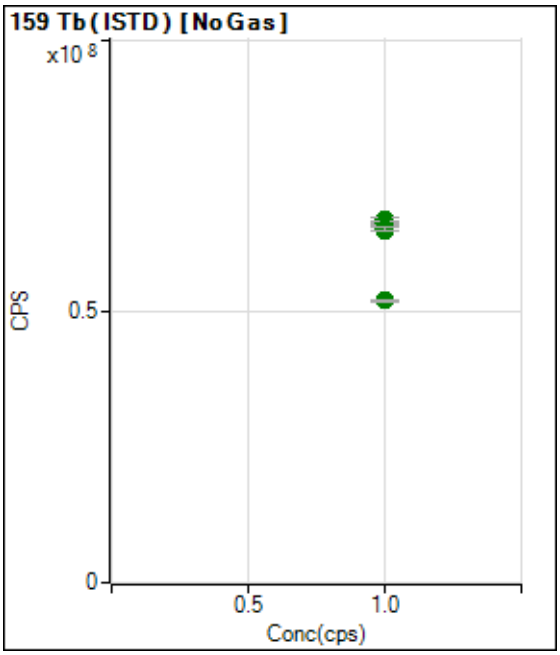


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		50135945.25		A	1.4
2	☐	1.000		50289041.97		A	0.3
3	☐	1.000		49517580.03		A	0.8
4	☐	1.000		48593787.60		A	1.1
5	☐	1.000		47842367.69		A	0.6
6	☐	1.000		46782075.89		A	0.7
7	☐	1.000		45823389.67		A	0.6
8	☐	1.000		36296687.12		A	1.0

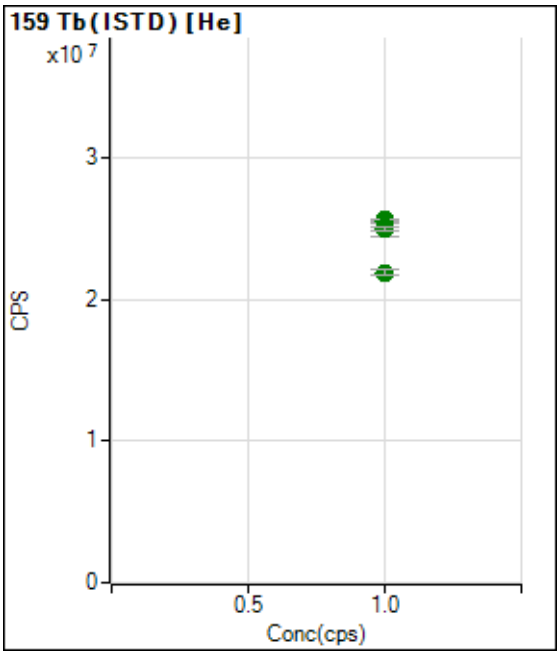


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		7047633.02		A	0.9
2	☐	1.000		7076022.21		A	1.9
3	☐	1.000		6788398.23		A	3.5
4	☐	1.000		6836723.01		A	0.9
5	☐	1.000		6621845.91		A	0.4
6	☐	1.000		6600500.89		A	1.0
7	☐	1.000		6441836.48		A	0.2
8	☐	1.000		6048833.38		A	0.6

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

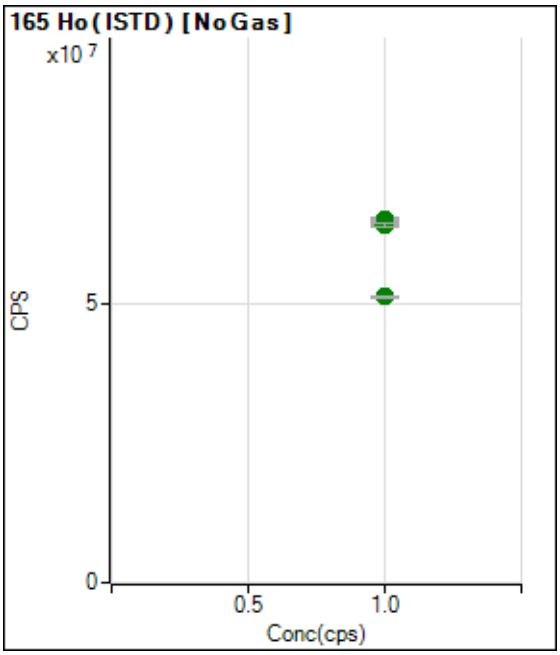


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		66329453.45		A	0.6
2	☐	1.000		66904461.23		A	0.9
3	☐	1.000		66055149.02		A	0.9
4	☐	1.000		66299396.23		A	1.3
5	☐	1.000		66382333.46		A	1.0
6	☐	1.000		64870672.37		A	0.5
7	☐	1.000		65224959.58		A	0.8
8	☐	1.000		51973270.89		A	0.6

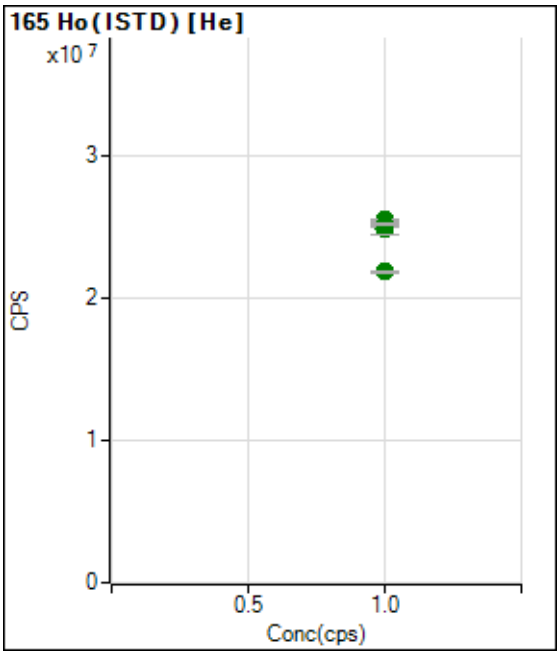


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		25590458.51		A	0.7
2	☐	1.000		25629127.67		A	0.8
3	☐	1.000		24989223.24		A	4.5
4	☐	1.000		25554655.18		A	1.2
5	☐	1.000		25145905.46		A	0.4
6	☐	1.000		25042028.79		A	1.2
7	☐	1.000		25000244.91		A	0.6
8	☐	1.000		21934407.18		A	1.6

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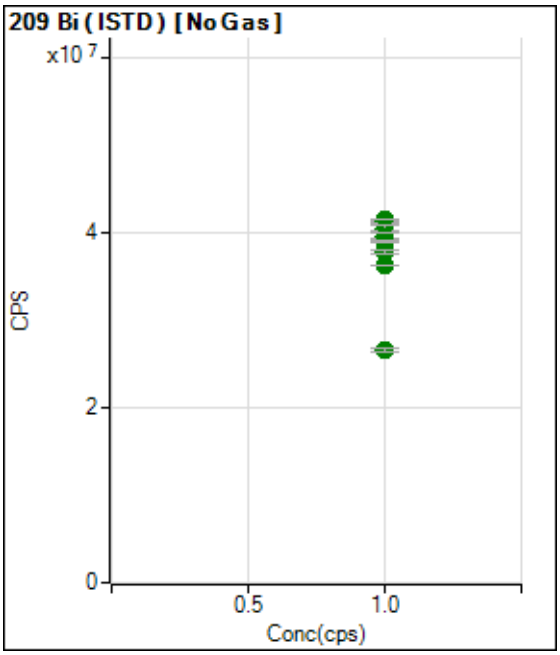


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		64403012.37		A	0.6
2	☐	1.000		64923916.81		A	1.4
3	☐	1.000		64651828.48		A	1.6
4	☐	1.000		64316594.04		A	1.1
5	☐	1.000		64581681.81		A	0.5
6	☐	1.000		64035045.15		A	0.7
7	☐	1.000		63849745.16		A	1.1
8	☐	1.000		51108620.91		A	0.9

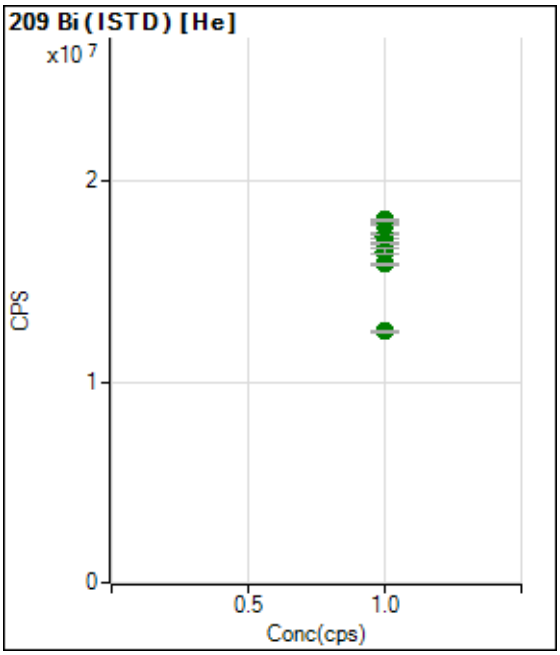


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		25357448.79		A	0.7
2	☐	1.000		25156890.18		A	1.8
3	☐	1.000		24878720.46		A	3.7
4	☐	1.000		25442128.79		A	0.4
5	☐	1.000		25018303.79		A	0.7
6	☐	1.000		25133295.74		A	1.5
7	☐	1.000		25138948.24		A	0.8
8	☐	1.000		21791818.98		A	0.5

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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		41393062.72		A	0.4
2	☐	1.000		41333306.61		A	1.0
3	☐	1.000		40426572.45		A	1.7
4	☐	1.000		39551092.19		A	1.4
5	☐	1.000		38892842.76		A	0.5
6	☐	1.000		37742726.38		A	0.8
7	☐	1.000		36214927.24		A	0.4
8	☐	1.000		26523593.77		A	1.5



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		17834134.18		A	0.4
2	☐	1.000		18078896.95		A	0.4
3	☐	1.000		17128065.44		A	3.4
4	☐	1.000		17295343.08		A	1.1
5	☐	1.000		16914177.25		A	1.0
6	☐	1.000		16516795.87		A	1.4
7	☐	1.000		15874867.96		A	0.5
8	☐	1.000		12526783.84		A	0.3

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8
ClientSampleId :TUNE001

US EPA Tune Check Report

Operator Name	Jaswal
Acq/Data Batch	D:\Agilent\ICPMH\1\DATA\P10022424-MS1.b
Acq. Date-Time	2024-10-02 15:49:29
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		30569	305687.42			0.404	5.000
24		1052010	10520097.93			0.881	5.000
25		142571	1425710.85			1.286	5.000
26		163558	1635583.01			1.676	5.000
59		229845	2298452.15			1.174	5.000
113		14453	144532.17			0.633	5.000
115		337330	3373300.73			1.878	5.000
206		87582	875816.15			0.623	5.000
207		71326	713258.98			0.497	5.000
208		182274	1822742.47			1.749	5.000
220		0	2.90			46.264	

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	30630	30514	30467	30757	30476
24	1054705	1056481	1047690	1062695	1038477
25	143529	143713	143041	143249	139323
26	165928	161887	164269	166027	159680
59	230489	234107	228029	229410	227191
113	14599	14421	14443	14348	14454
115	348125	335494	336741	331518	334773
206	88115	86883	87191	88095	87624
207	71862	71178	71429	70905	71255
208	187320	183155	179235	181537	180124

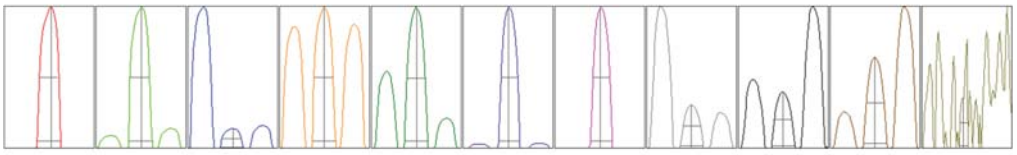
Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8
ClientSampleId :TUNE001

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	1	0

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	51007.83	9.10	8.90 - 9.10	
24	1740429.66	24.05	23.90 - 24.10	
25	236375.72	25.05	24.90 - 25.10	
26	276036.43	26.00	25.90 - 26.10	
59	402284.38	59.05	58.90 - 59.10	
113	27639.77	113.05	112.90 - 113.10	
115	643374.69	115.05	114.90 - 115.10	
206	160106.34	206.00	205.90 - 206.10	
207	130024.42	207.00	206.90 - 207.10	
208	328521.12	208.00	207.90 - 208.10	
220	0.30	219.90	-	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.64	0.780	0.900	
24	0.64	0.781	0.900	
25	0.63	0.743	0.900	
26	0.63	0.779	0.900	
59	0.60	0.776	0.900	
113	0.55	0.688	0.900	
115	0.55	0.728	0.900	
206	0.58	0.757	0.900	
207	0.58	0.773	0.900	
208	0.58	0.777	0.900	
220	0.26	0.296		

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:10/7/2024 11:35:57 PM
Inst Id :P8
ClientSampleId :TUNE001

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	11.2 V	Deflect	14.0 V
Extract 2	-210.0 V	Cell Entrance	-30 V	Plate Bias	-50 V
Omega Bias	-95 V	Cell Exit	-50 V		

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	4.0 V
He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	---	OctP RF	140 V		

QP Parameters

Mass Gain	124	Axis Gain	0.9968	QP Bias	-4.0 V
Mass Offset	126	Axis Offset	0.08		

Hardware Settings

Torch

Torch H	0.9 mm	Torch V	-1.1 mm		

EM

Discriminator	3.9 mV	Analog HV	2148 V	Pulse HV	1015 V

[He]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
59		45700	457001.13			0.312	
89		231080	2310798.17			0.600	
205		136953	1369526.31			0.629	

Mass	RSD% (Flag)
59	
89	
205	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
59	45789	45747	45819	45684	45461
89	231868	232336	229704	232042	229448
205	138342	137124	136456	136734	136107

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	11.2 V	Deflect	2.2 V

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8
ClientSampleId :TUNE001

US EPA Tune Check Report

Extract 2	-210.0 V	Cell Entrance	-50 V	Plate Bias	-60 V
Omega Bias	-95 V	Cell Exit	-70 V		

Cell Parameters

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

QP Parameters

Mass Gain	124	Axis Gain	0.9968	QP Bias	-13.0 V
Mass Offset	126	Axis Offset	0.08		

Hardware Settings

Torch

Torch H	0.9 mm	Torch V	-1.1 mm

EM

Discriminator	3.9 mV	Analog HV	2148 V	Pulse HV	1015 V

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 16:30:28	DataFile Name :	004CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.06	-0.05	-0.01	0.00	N/A	ppb
Antimony	121-1	0.00	0.00	0.00	0.00	N/A	ppb
Arsenic	75-2	0.01	0.00	0.00	0.00	N/A	ppb
Barium	135-1	0.00	0.00	0.00	0.00	N/A	ppb
Barium	137-1	0.00	0.00	0.00	0.00	N/A	ppb
Beryllium	9-1	0.00	0.00	0.00	0.00	N/A	ppb
Bismuth	209-1				100		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Cadmium	108-1	-0.01	0.02	-0.01	0.00	N/A	ppb
Cadmium	106-1	-0.22	0.17	0.04	0.00	N/A	ppb
Cadmium	111-1	0.00	0.00	0.00	0.00	N/A	ppb
Calcium	43-1	0.27	0.21	-0.49	0.00	N/A	ppb
Calcium	44-1	0.16	-0.06	-0.10	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	0.00	0.00	0.00	N/A	ppb
Cobalt	59-2	0.00	0.00	0.00	0.00	N/A	ppb
Copper	63-2	0.00	-0.01	0.00	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	-0.08	0.24	0.00	N/A	ppb
Iron	56-2	-0.01	0.02	0.00	0.00	N/A	ppb
Iron	57-2	0.12	0.07	-0.19	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:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 16:30:28	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	-0.06	0.08	-0.01	0.00	N/A	ppb
Manganese	55-2	0.00	0.00	0.00	0.00	N/A	ppb
Molybdenum	94-1	0.00	0.00	0.00	0.00	N/A	ppb
Molybdenum	95-1	0.00	0.00	0.00	0.00	N/A	ppb
Molybdenum	96-1	0.00	0.00	0.00	0.00	N/A	ppb
Molybdenum	97-1	0.00	0.00	0.00	0.00	N/A	ppb
Molybdenum	98-1	0.00	0.00	0.00	0.00	N/A	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.00	0.00	0.00	0.00	N/A	ppb
Phosphorus	31-2	-15.87	-8.66	-20.41	-14.98		ppb
Potassium	39-2	0.19	-0.29	0.11	0.00	N/A	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	82-1	-0.02	0.00	0.02	0.00	N/A	ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	0.18	-0.04	-0.14	0.00	N/A	ppb
Silicon	28-1	0.02	0.07	-0.09	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	-0.06	-0.04	0.11	0.00	N/A	ppb
Strontium	86-1	0.00	0.01	0.00	0.00	N/A	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	N/A	ppb
Sulfur	34-1	-82.26	-68.29	-15.19	-55.24		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	0.01	0.00	N/A	ppb
Titanium	47-1	0.00	-0.01	0.00	0.00	N/A	ppb
Uranium	238-1	0.00	0.00	0.00	0.00	N/A	ppb

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 16:30:28	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	-0.03	-0.09	0.11	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:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 16:33:46	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19.19	18.59	18.27	18.68	2.49	ppb
Antimony	121-1	1.99	2.00	2.03	2.01	0.97	ppb
Arsenic	75-2	1.17	1.10	1.04	1.10	5.97	ppb
Barium	135-1	9.42	9.52	9.62	9.52	1.08	ppb
Barium	137-1	9.70	9.86	9.84	9.80	0.89	ppb
Beryllium	9-1	0.97	0.97	1.01	0.99	2.44	ppb
Bismuth	209-1				100		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Cadmium	108-1	1.01	1.08	1.02	1.04	3.64	ppb
Cadmium	106-1	1.13	1.25	1.50	1.30	14.46	ppb
Cadmium	111-1	1.05	1.09	1.09	1.08	2.43	ppb
Calcium	43-1	468.28	482.36	499.15	483.26	3.20	ppb
Calcium	44-1	503.48	482.90	487.89	491.42	2.19	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.97	1.98	1.92	1.96	1.53	ppb
Cobalt	59-2	1.08	1.04	1.07	1.06	1.81	ppb
Copper	63-2	2.02	1.95	1.99	1.99	1.63	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				99		%
Indium	115-1				100		%
Indium	115-2				100		%
Iron	54-2	54.95	54.21	55.81	54.99	1.45	ppb
Iron	56-2	54.11	52.89	53.27	53.42	1.16	ppb
Iron	57-2	53.74	54.34	54.18	54.09	0.57	ppb
Krypton	83-1						cps
Lead	206-1	0.90	0.91	0.93	0.91	1.50	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 16:33:46	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.93	0.94	0.93	0.93	0.97	ppb
Lead	208-1	0.92	0.93	0.92	0.92	0.79	ppb
Lithium	6-1				99		%
Magnesium	24-2	558.86	544.16	543.71	548.91	1.57	ppb
Manganese	55-2	0.98	0.95	0.96	0.97	1.33	ppb
Molybdenum	94-1	5.18	5.30	5.46	5.31	2.71	ppb
Molybdenum	95-1	4.40	4.53	4.60	4.51	2.20	ppb
Molybdenum	96-1	4.46	4.55	4.64	4.55	1.99	ppb
Molybdenum	97-1	4.43	4.59	4.57	4.53	1.89	ppb
Molybdenum	98-1	4.35	4.53	4.54	4.47	2.37	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.15	0.99	1.04	1.06	7.95	ppb
Phosphorus	31-2	12.49	22.03	10.43	14.98	41.31	ppb
Potassium	39-2	458.73	454.72	453.14	455.53	0.63	ppb
Rhodium	103-1				100		%
Rhodium	103-2				99		%
Scandium	45-1				99		%
Scandium	45-2				99		%
Selenium	82-1	5.26	4.96	5.16	5.13	2.95	ppb
Selenium	77-2	5.61	5.56	6.89	6.02	12.53	ppb
Selenium	78-2	5.33	5.79	4.93	5.35	8.09	ppb
Silicon	28-1	1.66	2.20	2.15	2.00	14.87	ppb
Silver	107-1	1.01	1.04	1.05	1.03	1.66	ppb
Silver	109-1	1.04	1.07	1.07	1.06	1.64	ppb
Sodium	23-2	493.72	490.86	487.49	490.69	0.64	ppb
Strontium	86-1	0.92	0.93	0.99	0.95	3.86	ppb
Strontium	88-1	0.93	0.95	0.98	0.95	2.61	ppb
Sulfur	34-1	-42.36	89.69	118.40	55.24	155.19	ppb
Terbium	159-1				101		%
Terbium	159-2				100		%
Thallium	203-1	0.90	0.92	0.94	0.92	1.96	ppb
Thallium	205-1	0.91	0.93	0.93	0.92	1.66	ppb
Tin	118-1	4.86	4.95	5.01	4.94	1.59	ppb
Titanium	47-1	4.46	4.67	4.73	4.62	3.15	ppb
Uranium	238-1	0.85	0.87	0.89	0.87	2.30	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 16:33:46	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	4.88	4.74	4.83	4.82	1.44	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	5.32	5.26	5.15	5.24	1.63	ppb
Zirconium	90-1	0.91	0.93	0.94	0.93	1.78	ppb
Zirconium	91-1	0.91	0.92	0.95	0.93	2.11	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 16:37:05	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1003.95	1097.97	1002.09	1034.67	5.30	ppb
Antimony	121-1	52.36	53.07	52.97	52.80	0.73	ppb
Arsenic	75-2	53.73	57.71	54.64	55.36	3.77	ppb
Barium	135-1	256.36	263.58	261.17	260.37	1.41	ppb
Barium	137-1	257.53	264.94	264.48	262.32	1.58	ppb
Beryllium	9-1	50.01	49.95	50.63	50.20	0.74	ppb
Bismuth	209-1				98		%
Bismuth	209-2				96		%
Bromine	81-1						cps
Cadmium	108-1	55.85	57.44	56.77	56.69	1.41	ppb
Cadmium	106-1	55.86	55.77	57.11	56.24	1.34	ppb
Cadmium	111-1	52.34	53.86	53.32	53.17	1.45	ppb
Calcium	43-1	5758.76	5703.61	5775.19	5745.85	0.65	ppb
Calcium	44-1	5652.93	5590.01	5704.28	5649.07	1.01	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	49.59	54.81	50.40	51.60	5.44	ppb
Cobalt	59-2	51.81	56.53	51.86	53.40	5.08	ppb
Copper	63-2	551.18	603.46	550.08	568.24	5.37	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				98		%
Indium	115-1				99		%
Indium	115-2				96		%
Iron	54-2	2779.93	3079.09	2897.58	2918.87	5.16	ppb
Iron	56-2	2821.70	3070.00	2796.19	2895.97	5.22	ppb
Iron	57-2	2748.48	3027.87	2762.20	2846.19	5.53	ppb
Krypton	83-1						cps
Lead	206-1	248.58	243.11	245.49	245.73	1.12	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 16:37:05	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	247.51	245.78	250.94	248.07	1.06	ppb
Lead	208-1	247.79	242.25	248.67	246.23	1.41	ppb
Lithium	6-1				98		%
Magnesium	24-2	5400.70	5904.48	5405.77	5570.32	5.20	ppb
Manganese	55-2	519.26	573.32	524.18	538.92	5.55	ppb
Molybdenum	94-1	515.36	503.37	504.16	507.63	1.32	ppb
Molybdenum	95-1	513.42	510.03	518.37	513.94	0.82	ppb
Molybdenum	96-1	512.80	515.57	508.75	512.37	0.67	ppb
Molybdenum	97-1	509.38	517.22	508.57	511.72	0.93	ppb
Molybdenum	98-1	505.28	513.23	505.97	508.16	0.87	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	52.24	57.13	51.82	53.73	5.50	ppb
Phosphorus	31-2	1034.39	1137.01	1010.70	1060.70	6.33	ppb
Potassium	39-2	2436.58	2686.44	2520.28	2547.76	4.99	ppb
Rhodium	103-1				98		%
Rhodium	103-2				96		%
Scandium	45-1				99		%
Scandium	45-2				95		%
Selenium	82-1	53.89	53.25	53.89	53.68	0.70	ppb
Selenium	77-2	55.12	60.72	47.55	54.47	12.14	ppb
Selenium	78-2	52.47	54.13	51.76	52.79	2.30	ppb
Silicon	28-1	53.79	53.44	54.35	53.86	0.85	ppb
Silver	107-1	58.25	59.57	58.43	58.75	1.21	ppb
Silver	109-1	57.75	59.17	59.14	58.69	1.38	ppb
Sodium	23-2	5212.09	5730.50	5267.69	5403.43	5.27	ppb
Strontium	86-1	1305.81	1295.59	1274.67	1292.02	1.23	ppb
Strontium	88-1	1273.44	1281.17	1251.95	1268.85	1.19	ppb
Sulfur	34-1	1425.68	1236.09	1408.53	1356.77	7.73	ppb
Terbium	159-1				100		%
Terbium	159-2				98		%
Thallium	203-1	49.61	49.27	48.92	49.26	0.70	ppb
Thallium	205-1	49.93	48.35	49.63	49.30	1.70	ppb
Tin	118-1	53.11	54.07	52.83	53.34	1.22	ppb
Titanium	47-1	510.42	504.50	521.08	512.00	1.64	ppb
Uranium	238-1	46.91	46.43	47.18	46.84	0.81	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 16:37:05	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	48.95	53.56	49.33	50.61	5.05	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				98		%
Yttrium	89-2				97		%
Zinc	66-2	526.79	574.80	526.40	542.67	5.13	ppb
Zirconium	90-1	51.76	50.73	51.21	51.23	1.00	ppb
Zirconium	91-1	49.07	48.89	48.83	48.93	0.26	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 16:40:06	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2468.74	2474.54	2438.55	2460.61	0.79	ppb
Antimony	121-1	127.95	131.29	129.01	129.41	1.32	ppb
Arsenic	75-2	130.09	130.65	130.32	130.35	0.22	ppb
Barium	135-1	637.36	647.34	641.90	642.20	0.78	ppb
Barium	137-1	635.06	659.47	643.14	645.89	1.93	ppb
Beryllium	9-1	129.39	128.80	131.27	129.82	0.99	ppb
Bismuth	209-1				96		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Cadmium	108-1	133.33	138.81	136.57	136.24	2.02	ppb
Cadmium	106-1	133.59	138.71	136.19	136.16	1.88	ppb
Cadmium	111-1	126.25	130.12	128.69	128.36	1.52	ppb
Calcium	43-1	15380.50	15540.22	15436.66	15452.46	0.52	ppb
Calcium	44-1	14121.56	14471.93	14286.06	14293.18	1.23	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	130.17	131.41	126.98	129.52	1.77	ppb
Cobalt	59-2	132.36	132.68	131.04	132.03	0.66	ppb
Copper	63-2	1358.62	1352.27	1349.20	1353.37	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				100		%
Holmium	165-2				100		%
Indium	115-1				97		%
Indium	115-2				97		%
Iron	54-2	7190.95	7091.72	7104.06	7128.91	0.76	ppb
Iron	56-2	7014.64	6962.38	6949.42	6975.48	0.49	ppb
Iron	57-2	7179.08	7120.18	7030.95	7110.07	1.05	ppb
Krypton	83-1						cps
Lead	206-1	609.82	623.68	614.74	616.08	1.14	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 16:40:06	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	619.33	615.78	618.61	617.91	0.30	ppb
Lead	208-1	614.52	621.90	615.84	617.42	0.64	ppb
Lithium	6-1				96		%
Magnesium	24-2	13486.40	13275.17	13268.53	13343.36	0.93	ppb
Manganese	55-2	1263.39	1283.98	1249.10	1265.49	1.39	ppb
Molybdenum	94-1	1248.88	1287.62	1278.15	1271.55	1.59	ppb
Molybdenum	95-1	1254.24	1295.28	1275.55	1275.02	1.61	ppb
Molybdenum	96-1	1258.70	1308.75	1277.01	1281.49	1.98	ppb
Molybdenum	97-1	1268.13	1295.60	1272.12	1278.62	1.16	ppb
Molybdenum	98-1	1261.55	1312.48	1270.89	1281.64	2.12	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	128.24	127.73	126.15	127.37	0.86	ppb
Phosphorus	31-2	2591.74	2584.68	2509.06	2561.83	1.79	ppb
Potassium	39-2	6129.77	6084.97	6043.62	6086.12	0.71	ppb
Rhodium	103-1				96		%
Rhodium	103-2				96		%
Scandium	45-1				97		%
Scandium	45-2				96		%
Selenium	82-1	130.00	133.92	133.54	132.48	1.63	ppb
Selenium	77-2	127.55	131.42	123.42	127.46	3.14	ppb
Selenium	78-2	131.87	129.91	128.78	130.19	1.20	ppb
Silicon	28-1	132.39	132.90	134.68	133.32	0.90	ppb
Silver	107-1	134.05	137.55	137.27	136.29	1.43	ppb
Silver	109-1	136.87	139.26	138.75	138.29	0.91	ppb
Sodium	23-2	13044.11	13094.79	12742.50	12960.47	1.47	ppb
Strontium	86-1	3185.84	3272.21	3183.37	3213.80	1.57	ppb
Strontium	88-1	3086.11	3191.79	3160.77	3146.22	1.73	ppb
Sulfur	34-1	2649.51	2844.23	2808.66	2767.47	3.75	ppb
Terbium	159-1				100		%
Terbium	159-2				100		%
Thallium	203-1	122.08	124.05	122.36	122.83	0.87	ppb
Thallium	205-1	120.97	123.56	123.28	122.60	1.16	ppb
Tin	118-1	129.32	132.74	129.52	130.52	1.47	ppb
Titanium	47-1	1256.26	1292.40	1267.10	1271.92	1.46	ppb
Uranium	238-1	118.33	121.41	120.76	120.17	1.35	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 16:40:06	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	121.30	121.66	121.10	121.35	0.24	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				97		%
Yttrium	89-2				99		%
Zinc	66-2	1357.69	1367.67	1341.93	1355.76	0.96	ppb
Zirconium	90-1	123.97	126.46	129.07	126.50	2.01	ppb
Zirconium	91-1	127.82	130.47	131.13	129.81	1.35	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 16:43:10	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	5049.80	5081.61	4948.72	5026.71	1.38	ppb
Antimony	121-1	248.89	256.54	254.34	253.26	1.56	ppb
Arsenic	75-2	262.81	257.46	260.98	260.41	1.04	ppb
Barium	135-1	1243.40	1271.28	1245.04	1253.24	1.25	ppb
Barium	137-1	1246.81	1286.37	1247.05	1260.08	1.81	ppb
Beryllium	9-1	252.40	252.43	250.57	251.80	0.42	ppb
Bismuth	209-1				94		%
Bismuth	209-2				95		%
Bromine	81-1						cps
Cadmium	108-1	260.94	269.04	267.68	265.89	1.63	ppb
Cadmium	106-1	261.99	265.87	265.60	264.49	0.82	ppb
Cadmium	111-1	258.96	266.58	257.21	260.91	1.91	ppb
Calcium	43-1	29686.62	30226.16	30570.17	30160.98	1.48	ppb
Calcium	44-1	27303.08	27474.60	27732.30	27503.32	0.79	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	255.60	256.38	253.88	255.29	0.50	ppb
Cobalt	59-2	260.09	262.58	252.94	258.53	1.94	ppb
Copper	63-2	2661.07	2666.48	2643.57	2657.04	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				99		%
Indium	115-1				95		%
Indium	115-2				94		%
Iron	54-2	14048.44	14219.70	14042.13	14103.42	0.71	ppb
Iron	56-2	14196.47	13828.63	13467.94	13831.01	2.63	ppb
Iron	57-2	14185.55	13911.82	13869.48	13988.95	1.23	ppb
Krypton	83-1						cps
Lead	206-1	1243.37	1231.95	1233.71	1236.34	0.50	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 16:43:10	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	1239.13	1243.48	1242.29	1241.63	0.18	ppb
Lead	208-1	1237.32	1230.95	1233.35	1233.87	0.26	ppb
Lithium	6-1				94		%
Magnesium	24-2	26631.24	26340.52	26038.54	26336.77	1.13	ppb
Manganese	55-2	2573.18	2514.34	2472.19	2519.90	2.01	ppb
Molybdenum	94-1	2493.13	2521.17	2507.08	2507.13	0.56	ppb
Molybdenum	95-1	2535.52	2532.88	2523.42	2530.61	0.25	ppb
Molybdenum	96-1	2536.26	2518.12	2527.92	2527.43	0.36	ppb
Molybdenum	97-1	2514.27	2534.72	2498.86	2515.95	0.71	ppb
Molybdenum	98-1	2529.15	2550.34	2526.70	2535.40	0.51	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	249.27	249.52	247.40	248.73	0.47	ppb
Phosphorus	31-2	5156.02	5086.83	5023.72	5088.86	1.30	ppb
Potassium	39-2	12184.08	12208.37	12030.08	12140.84	0.80	ppb
Rhodium	103-1				94		%
Rhodium	103-2				92		%
Scandium	45-1				96		%
Scandium	45-2				94		%
Selenium	82-1	260.97	263.64	260.89	261.83	0.60	ppb
Selenium	77-2	266.78	260.95	254.73	260.82	2.31	ppb
Selenium	78-2	255.02	259.79	255.05	256.62	1.07	ppb
Silicon	28-1	255.97	256.08	257.95	256.67	0.43	ppb
Silver	107-1	265.86	265.91	267.10	266.29	0.26	ppb
Silver	109-1	264.24	270.79	263.61	266.21	1.49	ppb
Sodium	23-2	26010.88	25789.34	25416.42	25738.88	1.17	ppb
Strontium	86-1	6339.84	6371.68	6367.47	6359.66	0.27	ppb
Strontium	88-1	6260.69	6264.04	6245.13	6256.62	0.16	ppb
Sulfur	34-1	5206.20	5214.59	4972.43	5131.07	2.68	ppb
Terbium	159-1				100		%
Terbium	159-2				98		%
Thallium	203-1	244.93	245.51	244.79	245.08	0.16	ppb
Thallium	205-1	244.70	247.28	244.56	245.51	0.62	ppb
Tin	118-1	253.08	255.32	254.73	254.38	0.46	ppb
Titanium	47-1	2492.02	2491.49	2540.31	2507.94	1.12	ppb
Uranium	238-1	244.03	244.16	240.14	242.78	0.94	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 16:43:10	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	254.15	251.14	251.44	252.25	0.66	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				97		%
Yttrium	89-2				97		%
Zinc	66-2	2650.25	2641.88	2628.54	2640.23	0.41	ppb
Zirconium	90-1	247.44	249.75	250.47	249.22	0.64	ppb
Zirconium	91-1	254.26	252.65	251.62	252.84	0.53	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 16:46:12	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9954.89	10073.32	9873.96	9967.39	1.01	ppb
Antimony	121-1	513.25	505.11	512.64	510.34	0.89	ppb
Arsenic	75-2	503.07	506.86	513.55	507.83	1.04	ppb
Barium	135-1	2504.10	2507.19	2542.27	2517.86	0.84	ppb
Barium	137-1	2530.41	2537.47	2529.68	2532.52	0.17	ppb
Beryllium	9-1	505.02	511.58	500.04	505.54	1.15	ppb
Bismuth	209-1				91		%
Bismuth	209-2				93		%
Bromine	81-1						cps
Cadmium	108-1	518.44	517.91	527.81	521.39	1.07	ppb
Cadmium	106-1	527.37	516.19	523.40	522.32	1.08	ppb
Cadmium	111-1	515.95	516.20	516.68	516.28	0.07	ppb
Calcium	43-1	58428.22	60319.73	60437.00	59728.32	1.89	ppb
Calcium	44-1	54800.49	56339.07	55678.97	55606.17	1.39	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	512.33	511.11	503.71	509.05	0.92	ppb
Cobalt	59-2	509.63	511.31	515.83	512.25	0.63	ppb
Copper	63-2	5188.12	5159.60	5192.42	5180.05	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				99		%
Holmium	165-2				99		%
Indium	115-1				93		%
Indium	115-2				94		%
Iron	54-2	27476.07	27695.09	27345.72	27505.63	0.64	ppb
Iron	56-2	27096.96	27317.10	27003.40	27139.15	0.59	ppb
Iron	57-2	27673.16	27600.71	27919.49	27731.12	0.60	ppb
Krypton	83-1						cps
Lead	206-1	2476.71	2473.30	2468.09	2472.70	0.18	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 16:46:12	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	2477.06	2527.56	2515.09	2506.57	1.05	ppb
Lead	208-1	2475.68	2493.87	2491.77	2487.11	0.40	ppb
Lithium	6-1				90		%
Magnesium	24-2	52013.77	52486.33	52943.92	52481.34	0.89	ppb
Manganese	55-2	5037.02	5088.15	5035.79	5053.65	0.59	ppb
Molybdenum	94-1	4913.52	4998.15	4969.49	4960.39	0.87	ppb
Molybdenum	95-1	4986.72	5021.08	5030.45	5012.75	0.46	ppb
Molybdenum	96-1	4923.92	5014.99	4945.48	4961.47	0.96	ppb
Molybdenum	97-1	4944.55	5004.35	4974.96	4974.62	0.60	ppb
Molybdenum	98-1	4968.58	5024.76	4955.75	4983.03	0.74	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	519.11	523.74	522.54	521.80	0.46	ppb
Phosphorus	31-2	10003.48	10165.11	10017.08	10061.89	0.89	ppb
Potassium	39-2	24086.87	24386.86	24293.51	24255.75	0.63	ppb
Rhodium	103-1				91		%
Rhodium	103-2				91		%
Scandium	45-1				94		%
Scandium	45-2				93		%
Selenium	82-1	516.33	507.81	500.69	508.27	1.54	ppb
Selenium	77-2	505.95	504.69	512.29	507.65	0.80	ppb
Selenium	78-2	500.79	502.06	510.82	504.56	1.08	ppb
Silicon	28-1	502.92	525.03	514.76	514.24	2.15	ppb
Silver	107-1	514.89	518.35	519.29	517.51	0.45	ppb
Silver	109-1	520.64	522.92	525.88	523.15	0.50	ppb
Sodium	23-2	50769.92	51916.69	51114.08	51266.89	1.15	ppb
Strontium	86-1	12693.70	12426.96	12549.01	12556.55	1.06	ppb
Strontium	88-1	12397.49	12419.89	12473.03	12430.14	0.31	ppb
Sulfur	34-1	10026.94	10093.97	10131.39	10084.10	0.52	ppb
Terbium	159-1				98		%
Terbium	159-2				98		%
Thallium	203-1	499.77	496.72	496.25	497.58	0.38	ppb
Thallium	205-1	504.10	500.49	493.41	499.34	1.09	ppb
Tin	118-1	511.91	508.78	511.94	510.87	0.36	ppb
Titanium	47-1	4990.76	5085.20	5135.52	5070.49	1.45	ppb
Uranium	238-1	489.37	489.64	495.12	491.38	0.66	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 16:46:12	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	504.58	498.88	509.58	504.35	1.06	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				97		%
Yttrium	89-2				97		%
Zinc	66-2	5167.17	5195.73	5251.19	5204.69	0.82	ppb
Zirconium	90-1	497.30	507.96	494.99	500.08	1.38	ppb
Zirconium	91-1	496.31	501.81	488.93	495.68	1.30	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 16:49:16	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19896.29	20037.75	20049.15	19994.40	0.43	ppb
Antimony	121-1	983.87	1001.70	994.41	993.32	0.90	ppb
Arsenic	75-2	988.63	991.97	997.04	992.55	0.43	ppb
Barium	135-1	4971.26	5060.13	4931.39	4987.59	1.32	ppb
Barium	137-1	4896.92	5023.90	5013.16	4978.00	1.41	ppb
Beryllium	9-1	988.63	998.56	1001.31	996.16	0.67	ppb
Bismuth	209-1				87		%
Bismuth	209-2				89		%
Bromine	81-1						cps
Cadmium	108-1	985.83	986.64	978.32	983.60	0.47	ppb
Cadmium	106-1	992.35	987.35	970.83	983.51	1.15	ppb
Cadmium	111-1	977.34	1001.00	987.33	988.56	1.20	ppb
Calcium	43-1	115469.61	117892.21	117500.98	116954.27	1.11	ppb
Calcium	44-1	106425.56	109340.24	108440.33	108068.71	1.38	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1004.79	978.17	997.57	993.51	1.39	ppb
Cobalt	59-2	988.20	984.41	999.46	990.69	0.79	ppb
Copper	63-2	9906.47	9796.24	9860.44	9854.38	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				99		%
Holmium	165-2				99		%
Indium	115-1				91		%
Indium	115-2				91		%
Iron	54-2	54384.18	54789.23	54842.30	54671.90	0.46	ppb
Iron	56-2	53912.31	54052.61	53759.40	53908.11	0.27	ppb
Iron	57-2	53287.93	53543.38	53989.16	53606.82	0.66	ppb
Krypton	83-1						cps
Lead	206-1	4972.89	4991.82	5090.46	5018.39	1.26	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 16:49:16	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	4964.41	4969.70	5065.26	4999.79	1.14	ppb
Lead	208-1	4995.92	5006.35	5032.57	5011.61	0.38	ppb
Lithium	6-1				91		%
Magnesium	24-2	104311.64	103366.90	103702.90	103793.81	0.46	ppb
Manganese	55-2	9941.20	9956.83	9994.91	9964.32	0.28	ppb
Molybdenum	94-1	10013.09	10072.85	9958.91	10014.95	0.57	ppb
Molybdenum	95-1	9799.12	10111.27	10036.06	9982.15	1.63	ppb
Molybdenum	96-1	9869.44	9981.81	10172.32	10007.85	1.53	ppb
Molybdenum	97-1	9987.96	9937.12	10088.55	10004.54	0.77	ppb
Molybdenum	98-1	9991.45	9953.41	10040.95	9995.27	0.44	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	986.82	993.25	986.73	988.94	0.38	ppb
Phosphorus	31-2	19780.14	19974.91	20053.18	19936.08	0.71	ppb
Potassium	39-2	48396.63	48415.78	48730.70	48514.37	0.39	ppb
Rhodium	103-1				88		%
Rhodium	103-2				88		%
Scandium	45-1				94		%
Scandium	45-2				94		%
Selenium	82-1	996.02	993.41	985.92	991.78	0.53	ppb
Selenium	77-2	986.88	1005.30	986.63	992.94	1.08	ppb
Selenium	78-2	996.94	991.30	997.59	995.28	0.35	ppb
Silicon	28-1	977.26	998.53	994.39	990.06	1.14	ppb
Silver	107-1	984.67	989.08	982.22	985.32	0.35	ppb
Silver	109-1	976.52	996.86	973.45	982.28	1.30	ppb
Sodium	23-2	101695.92	101655.28	102797.67	102049.62	0.64	ppb
Strontium	86-1	25025.58	24441.93	25282.08	24916.53	1.73	ppb
Strontium	88-1	24844.87	24953.08	25245.63	25014.53	0.83	ppb
Sulfur	34-1	19946.94	20096.07	19578.73	19873.91	1.34	ppb
Terbium	159-1				98		%
Terbium	159-2				98		%
Thallium	203-1	998.75	1007.80	1001.69	1002.75	0.46	ppb
Thallium	205-1	1007.77	993.17	1004.42	1001.79	0.76	ppb
Tin	118-1	977.82	1004.58	995.43	992.61	1.37	ppb
Titanium	47-1	9918.93	9970.23	9989.13	9959.43	0.36	ppb
Uranium	238-1	1001.52	1002.60	1016.52	1006.88	0.83	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 16:49:16	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	991.75	996.69	1004.63	997.69	0.65	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				95		%
Yttrium	89-2				97		%
Zinc	66-2	9878.26	9771.71	9891.75	9847.24	0.67	ppb
Zirconium	90-1	996.64	997.09	1005.99	999.91	0.53	ppb
Zirconium	91-1	992.91	1012.10	997.69	1000.90	1.00	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 16:52:17	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	100079.62	99125.31	100806.12	100003.68	0.84	ppb
Antimony	121-1	0.48	0.55	0.65	0.56	15.31	ppb
Arsenic	75-2	0.55	0.61	0.65	0.60	8.79	ppb
Barium	135-1	1.78	1.81	1.81	1.80	0.78	ppb
Barium	137-1	1.87	1.82	1.79	1.83	2.09	ppb
Beryllium	9-1	0.13	0.11	0.10	0.11	14.67	ppb
Bismuth	209-1				64		%
Bismuth	209-2				70		%
Bromine	81-1						cps
Cadmium	108-1	0.40	0.49	0.36	0.42	15.99	ppb
Cadmium	106-1	-0.28	0.21	-0.44	-0.17		ppb
Cadmium	111-1	0.13	0.15	0.13	0.14	5.68	ppb
Calcium	43-1	490655.34	497380.54	497855.16	495297.01	0.81	ppb
Calcium	44-1	485413.07	503988.75	503545.67	497649.16	2.13	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3.07	3.04	3.15	3.09	1.83	ppb
Cobalt	59-2	2.05	2.08	2.09	2.07	0.99	ppb
Copper	63-2	1.68	1.61	1.63	1.64	2.21	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				79		%
Holmium	165-2				86		%
Indium	115-1				72		%
Indium	115-2				86		%
Iron	54-2	248349.53	247328.80	250447.83	248708.72	0.64	ppb
Iron	56-2	245308.36	249687.57	251751.52	248915.82	1.32	ppb
Iron	57-2	248538.25	246692.05	251488.03	248906.11	0.97	ppb
Krypton	83-1						cps
Lead	206-1	1.26	1.19	1.23	1.23	2.89	ppb

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 16:52:17	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	1.26	1.23	1.23	1.24	1.75	ppb
Lead	208-1	1.26	1.20	1.20	1.22	2.73	ppb
Lithium	6-1				69		%
Magnesium	24-2	496291.53	501154.98	499251.78	498899.43	0.49	ppb
Manganese	55-2	4.08	4.23	4.26	4.19	2.23	ppb
Molybdenum	94-1	2.19	2.22	2.22	2.21	0.78	ppb
Molybdenum	95-1	1.79	1.81	1.86	1.82	1.82	ppb
Molybdenum	96-1	2.17	2.17	2.21	2.18	1.15	ppb
Molybdenum	97-1	1.61	1.62	1.65	1.63	1.39	ppb
Molybdenum	98-1	1.56	1.51	1.53	1.53	1.62	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	3.93	3.84	3.97	3.91	1.68	ppb
Phosphorus	31-2	5.94	1.61	7.87	5.14	62.37	ppb
Potassium	39-2	249534.71	246969.24	254675.70	250393.22	1.57	ppb
Rhodium	103-1				66		%
Rhodium	103-2				71		%
Scandium	45-1				78		%
Scandium	45-2				91		%
Selenium	82-1	0.31	0.20	0.35	0.29	25.95	ppb
Selenium	77-2	0.20	0.59	1.38	0.72	83.15	ppb
Selenium	78-2	0.40	0.28	0.28	0.32	21.56	ppb
Silicon	28-1	13.88	13.68	12.60	13.39	5.15	ppb
Silver	107-1	0.07	0.08	0.07	0.07	6.88	ppb
Silver	109-1	0.08	0.07	0.07	0.07	9.10	ppb
Sodium	23-2	500066.14	496555.69	501610.89	499410.91	0.52	ppb
Strontium	86-1	3.17	3.08	3.05	3.10	2.13	ppb
Strontium	88-1	3.14	3.10	3.03	3.09	1.77	ppb
Sulfur	34-1	-445.55	-382.23	-319.61	-382.47		ppb
Terbium	159-1				78		%
Terbium	159-2				86		%
Thallium	203-1	0.15	0.13	0.12	0.14	10.36	ppb
Thallium	205-1	0.15	0.13	0.12	0.13	10.37	ppb
Tin	118-1	0.91	0.91	0.91	0.91	0.43	ppb
Titanium	47-1	2.43	2.30	2.41	2.38	2.93	ppb
Uranium	238-1	0.03	0.02	0.02	0.02	15.46	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 16:52:17	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.16	0.16	0.18	0.17	7.38	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				78		%
Yttrium	89-2				93		%
Zinc	66-2	4.65	4.57	4.15	4.46	6.00	ppb
Zirconium	90-1	0.49	0.49	0.50	0.49	1.52	ppb
Zirconium	91-1	0.51	0.49	0.50	0.50	1.85	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	ICV001	Instrumnet Name :	P8
Client Sample ID :	ICV001	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:07:24	DataFile Name :	012ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	475.62	477.09	477.56	476.76	0.21	ppb
Antimony	121-1	204.09	205.46	202.53	204.03	0.72	ppb
Arsenic	75-2	205.87	209.18	208.32	207.79	0.83	ppb
Barium	135-1	96.74	97.48	96.33	96.85	0.60	ppb
Barium	137-1	100.92	103.52	102.99	102.48	1.34	ppb
Beryllium	9-1	106.73	106.75	107.44	106.97	0.38	ppb
Bismuth	209-1				97		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Cadmium	108-1	80.38	81.44	80.27	80.70	0.80	ppb
Cadmium	106-1	76.85	78.70	78.61	78.05	1.34	ppb
Cadmium	111-1	104.01	105.95	104.39	104.78	0.98	ppb
Calcium	43-1	1858.38	1860.11	1857.85	1858.78	0.06	ppb
Calcium	44-1	1910.93	1918.27	1955.89	1928.37	1.25	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	96.65	97.01	97.35	97.00	0.36	ppb
Cobalt	59-2	105.04	103.80	104.70	104.51	0.61	ppb
Copper	63-2	98.84	101.60	104.58	101.67	2.83	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				104		%
Indium	115-1				100		%
Indium	115-2				106		%
Iron	54-2	2158.72	2150.43	2163.52	2157.56	0.31	ppb
Iron	56-2	2138.54	2175.26	2132.85	2148.88	1.07	ppb
Iron	57-2	2086.01	2075.79	2058.48	2073.42	0.67	ppb
Krypton	83-1						cps
Lead	206-1	196.61	197.96	195.03	196.53	0.75	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	ICV001	Instrumnet Name :	P8
Client Sample ID :	ICV001	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:07:24	DataFile Name :	012ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	190.73	189.64	187.58	189.32	0.84	ppb
Lead	208-1	193.30	194.27	193.81	193.80	0.25	ppb
Lithium	6-1				100		%
Magnesium	24-2	1220.72	1226.78	1235.61	1227.70	0.61	ppb
Manganese	55-2	96.91	98.15	97.18	97.41	0.67	ppb
Molybdenum	94-1	0.10	0.09	0.10	0.10	6.57	ppb
Molybdenum	95-1	0.05	0.04	0.04	0.04	11.67	ppb
Molybdenum	96-1	0.06	0.06	0.07	0.07	5.95	ppb
Molybdenum	97-1	0.04	0.04	0.04	0.04	2.54	ppb
Molybdenum	98-1	0.05	0.05	0.05	0.05	6.04	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	100.17	100.91	100.66	100.58	0.37	ppb
Phosphorus	31-2	-24.72	-15.44	-18.93	-19.70		ppb
Potassium	39-2	1896.61	1930.76	1910.10	1912.49	0.90	ppb
Rhodium	103-1				101		%
Rhodium	103-2				104		%
Scandium	45-1				102		%
Scandium	45-2				106		%
Selenium	82-1	213.74	211.39	215.66	213.60	1.00	ppb
Selenium	77-2	213.85	222.37	204.98	213.73	4.07	ppb
Selenium	78-2	215.77	216.45	209.91	214.04	1.68	ppb
Silicon	28-1	1.64	0.81	0.97	1.14	38.81	ppb
Silver	107-1	54.86	55.08	53.36	54.43	1.72	ppb
Silver	109-1	56.34	56.63	55.61	56.19	0.93	ppb
Sodium	23-2	2036.59	1988.58	1998.82	2008.00	1.26	ppb
Strontium	86-1	0.26	0.25	0.25	0.25	2.75	ppb
Strontium	88-1	0.26	0.25	0.25	0.25	3.07	ppb
Sulfur	34-1	-203.20	-234.60	-182.75	-206.85		ppb
Terbium	159-1				100		%
Terbium	159-2				104		%
Thallium	203-1	191.29	188.89	189.71	189.96	0.64	ppb
Thallium	205-1	189.66	194.48	192.19	192.11	1.25	ppb
Tin	118-1	-0.01	-0.01	0.00	-0.01		ppb
Titanium	47-1	0.03	0.04	0.04	0.04	25.12	ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	ICV001	Instrumnet Name :	P8
Client Sample ID :	ICV001	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:07:24	DataFile Name :	012ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	92.63	93.27	94.01	93.30	0.74	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				100		%
Yttrium	89-2				108		%
Zinc	66-2	196.92	195.53	197.18	196.55	0.45	ppb
Zirconium	90-1	0.02	0.03	0.04	0.03	20.12	ppb
Zirconium	91-1	0.12	0.13	0.15	0.13	9.36	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	ICB001	Instrumnet Name :	P8
Client Sample ID :	ICB001	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:11:57	DataFile Name :	013CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.33	0.02	0.08	0.14	117.58	ppb
Antimony	121-1	0.02	0.03	0.04	0.03	42.69	ppb
Arsenic	75-2	0.00	0.01	0.00	0.00	77.76	ppb
Barium	135-1	-0.01	0.00	0.00	0.00		ppb
Barium	137-1	0.00	0.00	0.00	0.00		ppb
Beryllium	9-1	0.03	0.03	0.03	0.03	7.60	ppb
Bismuth	209-1				96		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Cadmium	108-1	0.00	0.03	0.00	0.01	197.50	ppb
Cadmium	106-1	-1.15	0.15	-1.68	-0.89		ppb
Cadmium	111-1	0.00	0.01	0.00	0.00	119.41	ppb
Calcium	43-1	-0.63	-0.70	-1.53	-0.95		ppb
Calcium	44-1	-0.10	-0.12	-0.18	-0.13		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.01	-0.02	-0.02	-0.01		ppb
Cobalt	59-2	0.00	0.00	0.00	0.00		ppb
Copper	63-2	0.19	0.19	0.19	0.19	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				98		%
Holmium	165-2				103		%
Indium	115-1				98		%
Indium	115-2				106		%
Iron	54-2	0.16	0.10	-0.17	0.03	595.89	ppb
Iron	56-2	-0.06	-0.09	-0.05	-0.07		ppb
Iron	57-2	0.20	-0.25	0.18	0.04	577.80	ppb
Krypton	83-1						cps
Lead	206-1	0.03	0.03	0.03	0.03	7.31	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	ICB001	Instrumnet Name :	P8
Client Sample ID :	ICB001	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:11:57	DataFile Name :	013CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.03	0.02	0.03	0.03	9.71	ppb
Lead	208-1	0.03	0.03	0.03	0.03	5.64	ppb
Lithium	6-1				100		%
Magnesium	24-2	0.07	0.16	0.14	0.13	38.63	ppb
Manganese	55-2	-0.02	-0.01	-0.02	-0.02		ppb
Molybdenum	94-1	0.02	0.02	0.03	0.02	35.57	ppb
Molybdenum	95-1	0.01	0.01	0.01	0.01	20.70	ppb
Molybdenum	96-1	0.01	0.01	0.01	0.01	24.35	ppb
Molybdenum	97-1	0.01	0.01	0.01	0.01	22.17	ppb
Molybdenum	98-1	0.01	0.01	0.01	0.01	21.21	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.00	-0.01	-0.03	-0.01		ppb
Phosphorus	31-2	-11.79	-15.25	-11.03	-12.69		ppb
Potassium	39-2	8.11	8.48	8.95	8.51	4.93	ppb
Rhodium	103-1				100		%
Rhodium	103-2				103		%
Scandium	45-1				100		%
Scandium	45-2				105		%
Selenium	82-1	0.10	-0.11	0.02	0.00	2768.70	ppb
Selenium	77-2	0.00	0.17	0.00	0.06	173.21	ppb
Selenium	78-2	-0.01	-0.01	-0.11	-0.04		ppb
Silicon	28-1	1.03	0.84	0.88	0.92	11.32	ppb
Silver	107-1	0.00	0.00	0.00	0.00	21.54	ppb
Silver	109-1	0.00	0.00	0.00	0.00	15.27	ppb
Sodium	23-2	11.36	11.14	10.68	11.06	3.13	ppb
Strontium	86-1	0.01	0.00	0.00	0.00	244.56	ppb
Strontium	88-1	0.01	0.00	0.00	0.00	118.48	ppb
Sulfur	34-1	-67.03	-33.40	-116.77	-72.40		ppb
Terbium	159-1				98		%
Terbium	159-2				103		%
Thallium	203-1	0.01	0.02	0.02	0.02	12.92	ppb
Thallium	205-1	0.02	0.02	0.02	0.02	7.60	ppb
Tin	118-1	-0.01	0.00	0.00	0.00		ppb
Titanium	47-1	0.00	0.06	0.00	0.02	183.65	ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	ICB001	Instrumnet Name :	P8
Client Sample ID :	ICB001	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:11:57	DataFile Name :	013CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.00	0.00	0.00	0.00	28.80	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				98		%
Yttrium	89-2				107		%
Zinc	66-2	-0.06	-0.13	-0.12	-0.11		ppb
Zirconium	90-1	0.00	0.01	0.01	0.01	59.11	ppb
Zirconium	91-1	0.01	0.01	0.01	0.01	35.74	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	ICSA001	Instrumnet Name :	P8
Client Sample ID :	ICSA001	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:15:17	DataFile Name :	014ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	103195.34	90257.27	94367.13	95939.91	6.89	ppb
Antimony	121-1	1.13	1.19	1.18	1.17	2.80	ppb
Arsenic	75-2	0.49	0.47	0.39	0.45	11.86	ppb
Barium	135-1	1.32	1.40	1.37	1.36	2.98	ppb
Barium	137-1	1.36	1.41	1.41	1.39	2.19	ppb
Beryllium	9-1	0.29	0.30	0.30	0.30	1.05	ppb
Bismuth	209-1				85		%
Bismuth	209-2				81		%
Bromine	81-1						cps
Cadmium	108-1	23.62	24.10	23.66	23.79	1.14	ppb
Cadmium	106-1	-2.19	-1.38	-1.94	-1.83		ppb
Cadmium	111-1	1.05	1.06	0.99	1.03	3.77	ppb
Calcium	43-1	97270.44	96373.01	99693.07	97778.84	1.76	ppb
Calcium	44-1	96599.16	95679.81	98265.82	96848.27	1.35	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	21.25	18.29	19.50	19.68	7.56	ppb
Cobalt	59-2	1.28	1.09	1.17	1.18	8.18	ppb
Copper	63-2	9.95	8.79	9.20	9.31	6.30	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				98		%
Holmium	165-2				91		%
Indium	115-1				92		%
Indium	115-2				90		%
Iron	54-2	120058.75	102697.63	107022.67	109926.35	8.22	ppb
Iron	56-2	117602.99	102110.98	107310.91	109008.29	7.23	ppb
Iron	57-2	119301.79	101550.27	107266.06	109372.71	8.28	ppb
Krypton	83-1						cps
Lead	206-1	5.49	4.97	4.70	5.05	7.90	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	ICSA001	Instrumnet Name :	P8
Client Sample ID :	ICSA001	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:15:17	DataFile Name :	014ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	5.14	4.59	4.39	4.71	8.23	ppb
Lead	208-1	5.22	4.71	4.51	4.81	7.60	ppb
Lithium	6-1				94		%
Magnesium	24-2	116014.47	101840.43	105572.76	107809.22	6.81	ppb
Manganese	55-2	8.46	7.26	7.61	7.78	7.92	ppb
Molybdenum	94-1	1490.12	1502.03	1486.84	1493.00	0.54	ppb
Molybdenum	95-1	1830.93	1829.20	1776.44	1812.19	1.71	ppb
Molybdenum	96-1	1785.52	1785.88	1742.72	1771.37	1.40	ppb
Molybdenum	97-1	1805.62	1812.45	1789.05	1802.37	0.67	ppb
Molybdenum	98-1	1816.56	1817.08	1795.87	1809.84	0.67	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	5.62	4.81	5.06	5.16	8.00	ppb
Phosphorus	31-2	119771.71	102915.24	107752.60	110146.52	7.88	ppb
Potassium	39-2	107994.54	94500.87	99073.35	100522.92	6.83	ppb
Rhodium	103-1				88		%
Rhodium	103-2				85		%
Scandium	45-1				97		%
Scandium	45-2				97		%
Selenium	82-1	0.02	0.08	0.27	0.12	102.16	ppb
Selenium	77-2	0.21	0.18	0.55	0.31	66.03	ppb
Selenium	78-2	-0.17	-0.04	-0.04	-0.08		ppb
Silicon	28-1	10.19	9.58	10.10	9.96	3.28	ppb
Silver	107-1	0.06	0.06	0.06	0.06	1.08	ppb
Silver	109-1	0.03	0.02	0.02	0.02	8.06	ppb
Sodium	23-2	114988.68	100248.94	105384.15	106873.92	7.00	ppb
Strontium	86-1	32.21	32.39	31.50	32.03	1.47	ppb
Strontium	88-1	33.20	33.84	33.01	33.35	1.31	ppb
Sulfur	34-1	97197.23	95753.28	99267.23	97405.91	1.81	ppb
Terbium	159-1				97		%
Terbium	159-2				92		%
Thallium	203-1	0.19	0.18	0.17	0.18	5.02	ppb
Thallium	205-1	0.19	0.18	0.17	0.18	5.01	ppb
Tin	118-1	2.39	1.49	0.93	1.60	45.94	ppb
Titanium	47-1	1923.84	1921.03	1964.82	1936.56	1.27	ppb
Uranium	238-1	0.02	0.02	0.01	0.02	4.38	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	ICSA001	Instrumnet Name :	P8
Client Sample ID :	ICSA001	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:15:17	DataFile Name :	014ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.19	0.16	0.16	0.17	9.19	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				97		%
Yttrium	89-2				97		%
Zinc	66-2	11.48	10.03	10.34	10.62	7.18	ppb
Zirconium	90-1	0.02	0.02	0.02	0.02	1.11	ppb
Zirconium	91-1	0.02	0.03	0.03	0.02	18.43	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	ICSAB001	Instrumnet Name :	P8
Client Sample ID :	ICSAB001	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:18:22	DataFile Name :	015ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	90164.32	87766.23	92002.82	89977.79	2.36	ppb
Antimony	121-1	21.08	20.48	20.78	20.78	1.44	ppb
Arsenic	75-2	21.62	21.60	21.52	21.58	0.23	ppb
Barium	135-1	20.69	20.21	20.47	20.46	1.18	ppb
Barium	137-1	21.10	20.93	20.98	21.00	0.42	ppb
Beryllium	9-1	19.66	19.16	18.80	19.21	2.23	ppb
Bismuth	209-1				88		%
Bismuth	209-2				87		%
Bromine	81-1						cps
Cadmium	108-1	39.64	37.95	38.01	38.53	2.48	ppb
Cadmium	106-1	13.06	12.20	11.65	12.30	5.80	ppb
Cadmium	111-1	20.78	20.14	20.39	20.43	1.58	ppb
Calcium	43-1	97846.58	95139.55	97899.42	96961.85	1.63	ppb
Calcium	44-1	98932.87	96686.51	97781.64	97800.34	1.15	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	37.29	37.61	37.74	37.54	0.62	ppb
Cobalt	59-2	19.87	19.72	19.98	19.86	0.64	ppb
Copper	63-2	26.94	27.00	27.60	27.18	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				101		%
Holmium	165-2				99		%
Indium	115-1				96		%
Indium	115-2				96		%
Iron	54-2	102368.50	104462.12	105959.47	104263.37	1.73	ppb
Iron	56-2	103770.12	102149.75	106497.58	104139.15	2.11	ppb
Iron	57-2	104004.87	103633.33	104481.71	104039.97	0.41	ppb
Krypton	83-1						cps
Lead	206-1	25.83	24.98	24.95	25.25	1.98	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	ICSAB001	Instrumnet Name :	P8
Client Sample ID :	ICSAB001	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:18:22	DataFile Name :	015ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	25.16	24.76	24.87	24.93	0.82	ppb
Lead	208-1	26.11	24.95	25.35	25.47	2.32	ppb
Lithium	6-1				98		%
Magnesium	24-2	101997.16	101642.53	104930.70	102856.80	1.75	ppb
Manganese	55-2	25.50	25.69	26.45	25.88	1.95	ppb
Molybdenum	94-1	1524.93	1509.06	1524.08	1519.36	0.59	ppb
Molybdenum	95-1	1830.91	1813.14	1823.20	1822.42	0.49	ppb
Molybdenum	96-1	1787.10	1775.54	1801.43	1788.02	0.73	ppb
Molybdenum	97-1	1840.61	1810.70	1820.49	1823.93	0.84	ppb
Molybdenum	98-1	1808.37	1808.90	1784.73	1800.67	0.77	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	23.15	22.80	23.69	23.21	1.93	ppb
Phosphorus	31-2	104638.49	103697.17	103379.45	103905.04	0.63	ppb
Potassium	39-2	93907.45	94354.21	95732.18	94664.62	1.00	ppb
Rhodium	103-1				92		%
Rhodium	103-2				92		%
Scandium	45-1				102		%
Scandium	45-2				105		%
Selenium	82-1	21.36	21.97	20.57	21.30	3.30	ppb
Selenium	77-2	23.20	18.01	18.75	19.99	14.06	ppb
Selenium	78-2	20.39	21.05	21.19	20.88	2.05	ppb
Silicon	28-1	10.03	10.13	10.54	10.23	2.61	ppb
Silver	107-1	18.20	17.76	18.01	17.99	1.23	ppb
Silver	109-1	18.78	18.50	18.82	18.70	0.96	ppb
Sodium	23-2	101000.34	100789.80	104681.99	102157.37	2.14	ppb
Strontium	86-1	32.27	32.23	32.51	32.34	0.48	ppb
Strontium	88-1	33.71	33.84	33.90	33.82	0.28	ppb
Sulfur	34-1	98178.68	95955.60	97600.06	97244.78	1.19	ppb
Terbium	159-1				100		%
Terbium	159-2				98		%
Thallium	203-1	22.34	21.69	22.04	22.02	1.47	ppb
Thallium	205-1	23.43	22.59	22.65	22.89	2.06	ppb
Tin	118-1	0.34	0.30	0.32	0.32	4.98	ppb
Titanium	47-1	1946.38	1924.75	1933.68	1934.94	0.56	ppb
Uranium	238-1	0.02	0.01	0.02	0.02	4.44	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	ICSAB001	Instrumnet Name :	P8
Client Sample ID :	ICSAB001	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:18:22	DataFile Name :	015ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	18.85	18.46	18.91	18.74	1.30	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				101		%
Yttrium	89-2				103		%
Zinc	66-2	28.69	28.41	28.95	28.68	0.95	ppb
Zirconium	90-1	0.02	0.02	0.02	0.02	9.90	ppb
Zirconium	91-1	0.02	0.03	0.03	0.03	14.48	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	CCV001	Instrumnet Name :	P8
Client Sample ID :	CCV001	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:21:28	DataFile Name :	016CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	50713.36	51251.48	50933.35	50966.07	0.53	ppb
Antimony	121-1	501.06	516.38	517.68	511.70	1.81	ppb
Arsenic	75-2	483.11	481.84	481.31	482.09	0.19	ppb
Barium	135-1	2523.43	2574.98	2616.58	2571.66	1.81	ppb
Barium	137-1	2548.23	2624.12	2595.11	2589.15	1.48	ppb
Beryllium	9-1	496.50	509.56	502.80	502.95	1.30	ppb
Bismuth	209-1				79		%
Bismuth	209-2				81		%
Bromine	81-1						cps
Cadmium	108-1	500.93	510.68	506.51	506.04	0.97	ppb
Cadmium	106-1	511.49	518.58	513.84	514.63	0.70	ppb
Cadmium	111-1	496.16	507.97	498.56	500.90	1.25	ppb
Calcium	43-1	258601.97	261643.00	263308.58	261184.52	0.91	ppb
Calcium	44-1	255266.73	254266.19	255070.51	254867.81	0.21	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	499.05	501.95	489.50	496.83	1.31	ppb
Cobalt	59-2	469.00	469.05	471.55	469.87	0.31	ppb
Copper	63-2	4565.26	4568.84	4499.44	4544.51	0.86	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				95		%
Holmium	165-2				96		%
Indium	115-1				90		%
Indium	115-2				95		%
Iron	54-2	131161.45	131800.70	130404.34	131122.17	0.53	ppb
Iron	56-2	131180.81	131610.20	127375.25	130055.42	1.79	ppb
Iron	57-2	129966.31	130607.57	132725.99	131099.96	1.10	ppb
Krypton	83-1						cps
Lead	206-1	2551.12	2599.15	2556.04	2568.77	1.03	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	CCV001	Instrumnet Name :	P8
Client Sample ID :	CCV001	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:21:28	DataFile Name :	016CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	2557.70	2564.19	2546.60	2556.17	0.35	ppb
Lead	208-1	2541.24	2574.81	2563.52	2559.85	0.67	ppb
Lithium	6-1				91		%
Magnesium	24-2	256663.08	260954.37	256539.24	258052.23	0.97	ppb
Manganese	55-2	4909.70	4953.35	4853.70	4905.58	1.02	ppb
Molybdenum	94-1	5043.18	5069.21	5029.56	5047.32	0.40	ppb
Molybdenum	95-1	5060.17	5093.31	5089.38	5080.96	0.36	ppb
Molybdenum	96-1	5035.42	5089.65	5117.00	5080.69	0.82	ppb
Molybdenum	97-1	5035.54	5092.05	5018.87	5048.82	0.76	ppb
Molybdenum	98-1	5035.14	5031.53	4982.21	5016.29	0.59	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	466.42	470.02	470.49	468.98	0.47	ppb
Phosphorus	31-2	10079.88	10263.77	10183.57	10175.74	0.91	ppb
Potassium	39-2	126257.23	125872.52	125191.24	125773.67	0.43	ppb
Rhodium	103-1				83		%
Rhodium	103-2				86		%
Scandium	45-1				98		%
Scandium	45-2				103		%
Selenium	82-1	483.77	484.15	483.55	483.82	0.06	ppb
Selenium	77-2	477.54	481.08	484.56	481.06	0.73	ppb
Selenium	78-2	477.58	477.05	482.81	479.15	0.66	ppb
Silicon	28-1	599.18	629.52	613.50	614.07	2.47	ppb
Silver	107-1	488.64	496.77	495.23	493.55	0.87	ppb
Silver	109-1	485.02	494.67	495.07	491.58	1.16	ppb
Sodium	23-2	261065.38	261690.21	257411.66	260055.75	0.89	ppb
Strontium	86-1	12447.79	12462.30	12451.01	12453.70	0.06	ppb
Strontium	88-1	12501.04	12578.72	12560.87	12546.87	0.32	ppb
Sulfur	34-1	10139.08	10494.91	10246.93	10293.64	1.77	ppb
Terbium	159-1				93		%
Terbium	159-2				95		%
Thallium	203-1	503.85	521.78	509.55	511.73	1.79	ppb
Thallium	205-1	513.93	523.46	521.23	519.54	0.96	ppb
Tin	118-1	509.98	528.92	524.99	521.29	1.92	ppb
Titanium	47-1	4957.80	5122.41	5058.51	5046.24	1.64	ppb
Uranium	238-1	515.65	532.70	526.55	524.97	1.64	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	CCV001	Instrumnet Name :	P8
Client Sample ID :	CCV001	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:21:28	DataFile Name :	016CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	503.58	505.99	504.32	504.63	0.24	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				97		%
Yttrium	89-2				104		%
Zinc	66-2	4573.92	4623.70	4553.99	4583.87	0.78	ppb
Zirconium	90-1	509.12	515.00	509.18	511.10	0.66	ppb
Zirconium	91-1	516.90	518.41	514.97	516.76	0.33	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	CCB001	Instrumnet Name :	P8
Client Sample ID :	CCB001	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:24:19	DataFile Name :	017CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	7.01	6.75	6.52	6.76	3.58	ppb
Antimony	121-1	0.11	0.17	0.26	0.18	39.67	ppb
Arsenic	75-2	0.02	0.02	0.05	0.03	57.02	ppb
Barium	135-1	0.04	0.02	0.02	0.03	46.11	ppb
Barium	137-1	0.03	0.03	0.02	0.02	28.22	ppb
Beryllium	9-1	0.05	0.04	0.04	0.04	17.61	ppb
Bismuth	209-1				106		%
Bismuth	209-2				108		%
Bromine	81-1						cps
Cadmium	108-1	0.04	0.07	0.05	0.05	21.02	ppb
Cadmium	106-1	-0.30	0.25	-0.14	-0.06		ppb
Cadmium	111-1	0.03	0.02	0.02	0.02	16.13	ppb
Calcium	43-1	2.35	2.80	2.10	2.42	14.54	ppb
Calcium	44-1	5.42	4.32	3.30	4.35	24.39	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.01	-0.01	-0.01	-0.01		ppb
Cobalt	59-2	0.00	0.00	0.00	0.00	157.43	ppb
Copper	63-2	1.24	1.21	1.22	1.22	1.42	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				110		%
Indium	115-1				111		%
Indium	115-2				114		%
Iron	54-2	1.43	0.94	1.05	1.14	22.35	ppb
Iron	56-2	1.17	1.60	1.14	1.30	19.80	ppb
Iron	57-2	1.65	1.39	1.38	1.48	10.38	ppb
Krypton	83-1						cps
Lead	206-1	0.13	0.11	0.11	0.12	11.03	ppb

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On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	CCB001	Instrumnet Name :	P8
Client Sample ID :	CCB001	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:24:19	DataFile Name :	017CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.13	0.11	0.10	0.11	10.91	ppb
Lead	208-1	0.13	0.11	0.10	0.12	11.87	ppb
Lithium	6-1				109		%
Magnesium	24-2	1.91	1.85	1.81	1.86	2.87	ppb
Manganese	55-2	0.03	0.03	0.03	0.03	4.81	ppb
Molybdenum	94-1	0.27	0.24	0.26	0.26	4.58	ppb
Molybdenum	95-1	0.18	0.17	0.19	0.18	7.32	ppb
Molybdenum	96-1	0.18	0.15	0.18	0.17	10.31	ppb
Molybdenum	97-1	0.16	0.15	0.17	0.16	4.99	ppb
Molybdenum	98-1	0.16	0.15	0.16	0.16	5.22	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.01	0.00	0.01	0.01	147.45	ppb
Phosphorus	31-2	-26.96	-37.89	-16.73	-27.19		ppb
Potassium	39-2	26.26	26.55	23.99	25.60	5.49	ppb
Rhodium	103-1				111		%
Rhodium	103-2				113		%
Scandium	45-1				114		%
Scandium	45-2				114		%
Selenium	82-1	0.07	0.06	0.18	0.11	60.64	ppb
Selenium	77-2	0.00	0.00	0.16	0.05	173.21	ppb
Selenium	78-2	0.15	0.25	-0.28	0.04	711.29	ppb
Silicon	28-1	1.36	1.26	0.89	1.17	20.88	ppb
Silver	107-1	0.02	0.02	0.02	0.02	19.40	ppb
Silver	109-1	0.02	0.02	0.02	0.02	12.60	ppb
Sodium	23-2	40.68	39.09	37.21	38.99	4.45	ppb
Strontium	86-1	0.18	0.15	0.10	0.14	29.11	ppb
Strontium	88-1	0.18	0.13	0.12	0.14	22.31	ppb
Sulfur	34-1	117.99	156.96	86.79	120.58	29.16	ppb
Terbium	159-1				108		%
Terbium	159-2				111		%
Thallium	203-1	0.09	0.08	0.07	0.08	10.12	ppb
Thallium	205-1	0.09	0.08	0.08	0.08	9.95	ppb
Tin	118-1	0.01	0.01	0.01	0.01	13.25	ppb
Titanium	47-1	0.10	0.09	0.06	0.08	27.99	ppb
Uranium	238-1	0.01	0.00	0.00	0.00	33.22	ppb

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	CCB001	Instrumnet Name :	P8
Client Sample ID :	CCB001	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:24:19	DataFile Name :	017CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.00	0.00	0.00	0.00	3.18	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				112		%
Yttrium	89-2				116		%
Zinc	66-2	-0.02	0.09	0.12	0.06	115.37	ppb
Zirconium	90-1	0.07	0.06	0.07	0.07	7.17	ppb
Zirconium	91-1	0.07	0.06	0.08	0.07	9.81	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	PB163702BL	Instrumnet Name :	P8
Client Sample ID :	PBS702	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:28:26	DataFile Name :	018CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.13	0.07	0.08	0.09	37.29	ppb
Antimony	121-1	0.02	0.04	0.06	0.04	40.02	ppb
Arsenic	75-2	0.01	0.01	0.00	0.01	76.89	ppb
Barium	135-1	0.00	0.00	0.00	0.00		ppb
Barium	137-1	0.00	0.00	0.00	0.00	213.90	ppb
Beryllium	9-1	0.03	0.03	0.02	0.02	12.06	ppb
Bismuth	209-1				105		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Cadmium	108-1	0.03	0.05	0.00	0.03	79.22	ppb
Cadmium	106-1	-0.88	-0.78	-0.52	-0.73		ppb
Cadmium	111-1	0.00	0.00	0.00	0.00	42.52	ppb
Calcium	43-1	0.17	-1.21	-1.01	-0.68		ppb
Calcium	44-1	1.39	0.79	0.83	1.01	33.54	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	-0.01		ppb
Cobalt	59-2	0.00	0.00	0.00	0.00		ppb
Copper	63-2	0.85	0.88	0.92	0.88	3.69	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				108		%
Indium	115-1				111		%
Indium	115-2				113		%
Iron	54-2	0.05	-0.15	0.29	0.06	349.23	ppb
Iron	56-2	0.04	0.03	0.07	0.05	48.39	ppb
Iron	57-2	-0.16	0.16	-0.35	-0.12		ppb
Krypton	83-1						cps
Lead	206-1	0.05	0.05	0.05	0.05	2.11	ppb

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	PB163702BL	Instrumnet Name :	P8
Client Sample ID :	PBS702	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:28:26	DataFile Name :	018CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.06	0.05	0.05	0.05	7.97	ppb
Lead	208-1	0.05	0.05	0.05	0.05	3.91	ppb
Lithium	6-1				109		%
Magnesium	24-2	0.18	0.21	0.26	0.22	19.58	ppb
Manganese	55-2	0.00	-0.01	-0.02	-0.01		ppb
Molybdenum	94-1	0.05	0.04	0.07	0.06	26.55	ppb
Molybdenum	95-1	0.02	0.03	0.03	0.03	17.47	ppb
Molybdenum	96-1	0.03	0.02	0.03	0.03	15.85	ppb
Molybdenum	97-1	0.03	0.03	0.03	0.03	6.00	ppb
Molybdenum	98-1	0.02	0.02	0.03	0.03	15.40	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.00	0.01	0.01	0.01	73.12	ppb
Phosphorus	31-2	-30.75	-27.33	-16.75	-24.94		ppb
Potassium	39-2	15.94	16.38	15.74	16.02	2.06	ppb
Rhodium	103-1				112		%
Rhodium	103-2				113		%
Scandium	45-1				114		%
Scandium	45-2				114		%
Selenium	82-1	0.04	0.07	0.07	0.06	26.65	ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-0.09	-0.27	0.11	-0.08		ppb
Silicon	28-1	0.78	0.12	0.27	0.39	88.96	ppb
Silver	107-1	0.00	0.01	0.00	0.00	14.57	ppb
Silver	109-1	0.01	0.01	0.00	0.00	5.38	ppb
Sodium	23-2	23.84	23.49	23.90	23.74	0.94	ppb
Strontium	86-1	0.01	0.01	0.01	0.01	19.93	ppb
Strontium	88-1	0.02	0.01	0.01	0.01	31.27	ppb
Sulfur	34-1	291.90	95.67	175.53	187.70	52.57	ppb
Terbium	159-1				109		%
Terbium	159-2				109		%
Thallium	203-1	0.04	0.04	0.04	0.04	7.40	ppb
Thallium	205-1	0.04	0.04	0.04	0.04	2.76	ppb
Tin	118-1	-0.01	-0.01	0.00	-0.01		ppb
Titanium	47-1	0.00	0.00	0.00	0.00	99.70	ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb

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LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	PB163702BL	Instrumnet Name :	P8
Client Sample ID :	PBS702	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:28:26	DataFile Name :	018CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.00	0.00	0.00	0.00	94.89	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	-0.12	-0.11	-0.18	-0.14		ppb
Zirconium	90-1	0.02	0.01	0.02	0.02	24.11	ppb
Zirconium	91-1	0.02	0.02	0.02	0.02	8.90	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	PB163702BS	Instrumnet Name :	P8
Client Sample ID :	LCS702	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:31:41	DataFile Name :	019LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	38.86	40.07	40.40	39.78	2.04	ppb
Antimony	121-1	4.12	4.16	4.25	4.17	1.61	ppb
Arsenic	75-2	2.29	2.13	2.22	2.21	3.65	ppb
Barium	135-1	19.71	19.41	20.10	19.74	1.74	ppb
Barium	137-1	20.03	19.93	20.48	20.15	1.44	ppb
Beryllium	9-1	1.94	1.95	1.94	1.94	0.17	ppb
Bismuth	209-1				105		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Cadmium	108-1	2.37	2.22	2.25	2.28	3.48	ppb
Cadmium	106-1	1.07	1.86	3.27	2.07	53.95	ppb
Cadmium	111-1	2.20	2.23	2.31	2.24	2.64	ppb
Calcium	43-1	936.10	919.22	925.23	926.85	0.92	ppb
Calcium	44-1	978.16	975.14	982.78	978.70	0.39	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4.30	4.40	4.37	4.36	1.25	ppb
Cobalt	59-2	2.08	2.08	2.16	2.10	2.09	ppb
Copper	63-2	5.16	5.18	5.14	5.16	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				109		%
Holmium	165-2				108		%
Indium	115-1				111		%
Indium	115-2				111		%
Iron	54-2	449.65	441.90	446.80	446.12	0.88	ppb
Iron	56-2	461.85	464.43	461.24	462.51	0.37	ppb
Iron	57-2	445.31	444.34	437.01	442.22	1.03	ppb
Krypton	83-1						cps
Lead	206-1	1.99	1.96	1.98	1.98	0.79	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	PB163702BS	Instrumnet Name :	P8
Client Sample ID :	LCS702	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:31:41	DataFile Name :	019LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	2.00	2.00	2.01	2.00	0.32	ppb
Lead	208-1	1.99	1.97	1.98	1.98	0.55	ppb
Lithium	6-1				111		%
Magnesium	24-2	1192.38	1185.02	1189.23	1188.88	0.31	ppb
Manganese	55-2	2.04	2.02	2.08	2.05	1.47	ppb
Molybdenum	94-1	11.13	10.85	10.91	10.97	1.36	ppb
Molybdenum	95-1	9.08	9.03	9.19	9.10	0.89	ppb
Molybdenum	96-1	9.21	9.12	9.26	9.20	0.79	ppb
Molybdenum	97-1	9.16	8.91	9.31	9.13	2.19	ppb
Molybdenum	98-1	8.98	8.94	9.07	9.00	0.73	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.17	2.19	2.18	2.18	0.35	ppb
Phosphorus	31-2	-25.81	-28.60	-26.30	-26.90		ppb
Potassium	39-2	982.01	992.96	979.90	984.95	0.71	ppb
Rhodium	103-1				112		%
Rhodium	103-2				112		%
Scandium	45-1				115		%
Scandium	45-2				114		%
Selenium	82-1	10.68	10.20	10.84	10.57	3.16	ppb
Selenium	77-2	10.81	8.91	9.27	9.67	10.42	ppb
Selenium	78-2	11.57	11.28	10.32	11.06	5.90	ppb
Silicon	28-1	7.39	6.88	7.35	7.21	3.95	ppb
Silver	107-1	2.10	2.17	2.17	2.15	2.02	ppb
Silver	109-1	2.20	2.24	2.29	2.24	2.04	ppb
Sodium	23-2	1083.45	1089.11	1098.88	1090.48	0.72	ppb
Strontium	86-1	1.99	1.95	1.97	1.97	1.22	ppb
Strontium	88-1	1.94	1.94	1.97	1.95	0.85	ppb
Sulfur	34-1	354.64	241.95	252.84	283.15	21.95	ppb
Terbium	159-1				108		%
Terbium	159-2				109		%
Thallium	203-1	1.92	1.87	1.89	1.89	1.29	ppb
Thallium	205-1	1.92	1.92	1.92	1.92	0.08	ppb
Tin	118-1	0.02	0.01	0.02	0.02	35.98	ppb
Titanium	47-1	9.29	9.25	9.33	9.29	0.44	ppb
Uranium	238-1	1.81	1.77	1.78	1.79	1.14	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	PB163702BS	Instrumnet Name :	P8
Client Sample ID :	LCS702	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:31:41	DataFile Name :	019LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	9.68	10.00	9.92	9.87	1.72	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	10.08	10.88	10.58	10.51	3.83	ppb
Zirconium	90-1	1.97	1.97	1.99	1.98	0.68	ppb
Zirconium	91-1	1.96	1.97	2.01	1.98	1.41	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	PB163702BSD	Instrumnet Name :	P8
Client Sample ID :	LCSD702	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:34:57	DataFile Name :	020LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19.80	19.74	19.83	19.79	0.23	ppb
Antimony	121-1	2.05	2.10	2.11	2.09	1.72	ppb
Arsenic	75-2	1.16	1.08	0.93	1.06	11.38	ppb
Barium	135-1	9.79	9.88	9.64	9.77	1.25	ppb
Barium	137-1	9.96	10.01	9.99	9.99	0.28	ppb
Beryllium	9-1	0.95	0.99	0.97	0.97	1.89	ppb
Bismuth	209-1				105		%
Bismuth	209-2				108		%
Bromine	81-1						cps
Cadmium	108-1	1.11	1.07	1.07	1.08	2.34	ppb
Cadmium	106-1	1.38	0.75	0.54	0.89	49.06	ppb
Cadmium	111-1	1.11	1.11	1.09	1.10	0.70	ppb
Calcium	43-1	462.09	466.85	470.11	466.35	0.86	ppb
Calcium	44-1	499.53	503.79	497.97	500.43	0.60	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.16	2.18	2.12	2.15	1.33	ppb
Cobalt	59-2	1.07	1.04	1.01	1.04	2.52	ppb
Copper	63-2	2.92	2.87	2.83	2.87	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				109		%
Holmium	165-2				108		%
Indium	115-1				111		%
Indium	115-2				111		%
Iron	54-2	222.81	218.72	217.51	219.68	1.26	ppb
Iron	56-2	234.24	235.58	232.06	233.96	0.76	ppb
Iron	57-2	222.52	216.16	217.06	218.58	1.57	ppb
Krypton	83-1						cps
Lead	206-1	0.97	0.96	0.98	0.97	0.81	ppb

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	PB163702BSD	Instrumnet Name :	P8
Client Sample ID :	LCSD702	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:34:57	DataFile Name :	020LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	1.00	0.98	1.01	1.00	1.28	ppb
Lead	208-1	0.98	0.97	0.99	0.98	0.85	ppb
Lithium	6-1				111		%
Magnesium	24-2	564.03	562.42	560.62	562.36	0.30	ppb
Manganese	55-2	1.04	1.02	1.04	1.04	1.02	ppb
Molybdenum	94-1	5.50	5.41	5.53	5.48	1.21	ppb
Molybdenum	95-1	4.53	4.55	4.60	4.56	0.78	ppb
Molybdenum	96-1	4.55	4.55	4.67	4.59	1.49	ppb
Molybdenum	97-1	4.54	4.51	4.63	4.56	1.41	ppb
Molybdenum	98-1	4.50	4.44	4.52	4.49	0.92	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.07	1.11	1.09	1.09	1.48	ppb
Phosphorus	31-2	-31.45	-26.83	-32.75	-30.34		ppb
Potassium	39-2	494.75	483.96	486.01	488.24	1.17	ppb
Rhodium	103-1				113		%
Rhodium	103-2				112		%
Scandium	45-1				113		%
Scandium	45-2				113		%
Selenium	82-1	5.50	5.31	5.51	5.44	2.09	ppb
Selenium	77-2	6.76	4.65	5.15	5.52	19.90	ppb
Selenium	78-2	5.06	4.62	4.63	4.77	5.24	ppb
Silicon	28-1	3.96	3.81	3.62	3.80	4.60	ppb
Silver	107-1	1.07	1.08	1.08	1.08	0.37	ppb
Silver	109-1	1.11	1.14	1.10	1.11	1.70	ppb
Sodium	23-2	537.91	551.83	540.00	543.25	1.38	ppb
Strontium	86-1	0.99	0.96	0.99	0.98	1.93	ppb
Strontium	88-1	0.98	0.96	0.97	0.97	1.37	ppb
Sulfur	34-1	372.64	308.32	415.17	365.38	14.72	ppb
Terbium	159-1				108		%
Terbium	159-2				108		%
Thallium	203-1	0.95	0.96	0.96	0.95	0.79	ppb
Thallium	205-1	0.96	0.96	0.97	0.96	0.27	ppb
Tin	118-1	0.02	0.00	0.00	0.01	146.35	ppb
Titanium	47-1	4.58	4.75	4.75	4.69	2.11	ppb
Uranium	238-1	0.88	0.87	0.88	0.88	0.73	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	PB163702BSD	Instrumnet Name :	P8
Client Sample ID :	LCSD702	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:34:57	DataFile Name :	020LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	4.92	4.83	4.85	4.87	0.96	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				111		%
Yttrium	89-2				114		%
Zinc	66-2	5.14	5.16	4.99	5.10	1.83	ppb
Zirconium	90-1	0.98	0.98	1.00	0.99	1.06	ppb
Zirconium	91-1	1.01	0.99	1.01	1.00	0.95	ppb

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-06	Instrumnet Name :	P8
Client Sample ID :	MYD4P3	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:38:52	DataFile Name :	021AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	29782.44	29591.02	29825.96	29733.14	0.42	ppb
Antimony	121-1	0.12	0.12	0.13	0.13	2.97	ppb
Arsenic	75-2	56.00	54.86	56.24	55.70	1.32	ppb
Barium	135-1	293.47	301.44	307.82	300.91	2.39	ppb
Barium	137-1	295.21	299.69	315.45	303.45	3.50	ppb
Beryllium	9-1	1.19	1.23	1.27	1.23	3.11	ppb
Bismuth	209-1				100		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Cadmium	108-1	1.67	1.92	1.89	1.83	7.28	ppb
Cadmium	106-1	4.00	3.23	4.64	3.96	17.79	ppb
Cadmium	111-1	0.45	0.43	0.41	0.43	4.46	ppb
Calcium	43-1	13372.20	13284.82	13572.78	13409.93	1.10	ppb
Calcium	44-1	13081.18	13441.52	13421.78	13314.83	1.52	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	39.42	38.97	39.05	39.15	0.62	ppb
Cobalt	59-2	37.44	37.08	37.72	37.41	0.85	ppb
Copper	63-2	86.94	86.88	87.33	87.05	0.28	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				109		%
Holmium	165-2				106		%
Indium	115-1				108		%
Indium	115-2				106		%
Iron	54-2	87810.96	87410.98	87915.17	87712.37	0.30	ppb
Iron	56-2	87771.35	86794.26	87892.49	87486.03	0.69	ppb
Iron	57-2	86595.53	85585.10	85789.77	85990.13	0.62	ppb
Krypton	83-1						cps
Lead	206-1	38.27	37.62	39.23	38.37	2.11	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-06	Instrumnet Name :	P8
Client Sample ID :	MYD4P3	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:38:52	DataFile Name :	021AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	38.68	38.31	39.93	38.97	2.18	ppb
Lead	208-1	38.68	38.62	39.77	39.02	1.66	ppb
Lithium	6-1				107		%
Magnesium	24-2	14354.53	14495.49	14544.38	14464.80	0.68	ppb
Manganese	55-2	1593.30	1585.73	1575.52	1584.85	0.56	ppb
Molybdenum	94-1	14.96	15.19	15.07	15.07	0.75	ppb
Molybdenum	95-1	0.66	0.66	0.66	0.66	0.45	ppb
Molybdenum	96-1	2.32	2.37	2.39	2.36	1.53	ppb
Molybdenum	97-1	0.66	0.65	0.67	0.66	1.42	ppb
Molybdenum	98-1	0.63	0.63	0.63	0.63	0.43	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	37.21	36.98	36.91	37.03	0.43	ppb
Phosphorus	31-2	2347.97	2284.22	2261.39	2297.86	1.95	ppb
Potassium	39-2	5888.35	5699.07	5818.38	5801.93	1.65	ppb
Rhodium	103-1				107		%
Rhodium	103-2				105		%
Scandium	45-1				115		%
Scandium	45-2				114		%
Selenium	82-1	1.15	1.29	1.11	1.18	8.18	ppb
Selenium	77-2	38.80	42.19	41.15	40.72	4.26	ppb
Selenium	78-2	9.73	9.63	9.18	9.51	3.12	ppb
Silicon	28-1	775.01	785.59	784.26	781.62	0.74	ppb
Silver	107-1	0.18	0.18	0.19	0.18	3.11	ppb
Silver	109-1	0.09	0.09	0.09	0.09	1.91	ppb
Sodium	23-2	134.64	134.55	134.71	134.63	0.06	ppb
Strontium	86-1	56.42	57.57	57.69	57.22	1.22	ppb
Strontium	88-1	59.18	60.17	60.41	59.92	1.08	ppb
Sulfur	34-1	26.12	-66.92	-43.39	-28.06		ppb
Terbium	159-1				107		%
Terbium	159-2				107		%
Thallium	203-1	0.23	0.23	0.23	0.23	1.86	ppb
Thallium	205-1	0.24	0.23	0.24	0.24	2.08	ppb
Tin	118-1	0.51	0.52	0.55	0.53	4.01	ppb
Titanium	47-1	376.19	377.88	382.53	378.87	0.87	ppb
Uranium	238-1	0.81	0.79	0.82	0.81	1.50	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-06	Instrumnet Name :	P8
Client Sample ID :	MYD4P3	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:38:52	DataFile Name :	021AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	144.61	147.55	142.60	144.92	1.72	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	180.75	181.05	181.39	181.06	0.18	ppb
Zirconium	90-1	8.41	8.55	8.47	8.48	0.78	ppb
Zirconium	91-1	8.41	8.61	8.49	8.50	1.16	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-07	Instrumnet Name :	P8
Client Sample ID :	MYD4P4	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:41:56	DataFile Name :	022AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	36331.89	30952.78	31221.47	32835.38	9.23	ppb
Antimony	121-1	1.77	1.85	1.86	1.83	2.76	ppb
Arsenic	75-2	102.56	93.85	89.60	95.34	6.93	ppb
Barium	135-1	270.22	270.24	276.62	272.36	1.36	ppb
Barium	137-1	270.68	271.40	273.50	271.86	0.54	ppb
Beryllium	9-1	1.26	1.25	1.24	1.25	0.80	ppb
Bismuth	209-1				100		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Cadmium	108-1	2.00	2.19	2.20	2.13	5.32	ppb
Cadmium	106-1	2.13	3.36	3.84	3.11	28.29	ppb
Cadmium	111-1	1.34	1.38	1.37	1.36	1.15	ppb
Calcium	43-1	10282.91	10236.38	10006.96	10175.41	1.45	ppb
Calcium	44-1	10312.14	10198.47	10251.53	10254.05	0.55	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	49.39	43.47	42.85	45.24	7.97	ppb
Cobalt	59-2	34.88	30.50	30.31	31.89	8.10	ppb
Copper	63-2	154.12	135.00	133.30	140.81	8.21	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				109		%
Holmium	165-2				104		%
Indium	115-1				107		%
Indium	115-2				104		%
Iron	54-2	98160.85	85661.09	84707.38	89509.77	8.39	ppb
Iron	56-2	97694.08	84131.91	84409.35	88745.11	8.73	ppb
Iron	57-2	96480.94	84770.74	84164.69	88472.12	7.85	ppb
Krypton	83-1						cps
Lead	206-1	65.04	66.72	67.28	66.35	1.76	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-07	Instrumnet Name :	P8
Client Sample ID :	MYD4P4	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:41:56	DataFile Name :	022AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	66.70	69.97	68.99	68.55	2.45	ppb
Lead	208-1	64.91	67.95	67.01	66.62	2.34	ppb
Lithium	6-1				111		%
Magnesium	24-2	14147.67	12277.91	12193.35	12872.98	8.58	ppb
Manganese	55-2	1711.11	1493.10	1493.65	1565.95	8.03	ppb
Molybdenum	94-1	10.34	10.61	10.65	10.53	1.60	ppb
Molybdenum	95-1	1.41	1.46	1.43	1.43	1.67	ppb
Molybdenum	96-1	2.54	2.59	2.59	2.57	1.10	ppb
Molybdenum	97-1	1.40	1.41	1.42	1.41	0.75	ppb
Molybdenum	98-1	1.40	1.40	1.39	1.40	0.61	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	41.38	36.36	35.96	37.90	7.98	ppb
Phosphorus	31-2	2617.25	2276.08	2255.78	2383.04	8.52	ppb
Potassium	39-2	8176.22	7232.87	7199.69	7536.26	7.36	ppb
Rhodium	103-1				107		%
Rhodium	103-2				104		%
Scandium	45-1				118		%
Scandium	45-2				113		%
Selenium	82-1	1.36	1.69	1.51	1.52	10.77	ppb
Selenium	77-2	46.97	42.17	41.76	43.63	6.65	ppb
Selenium	78-2	10.02	8.56	10.22	9.60	9.45	ppb
Silicon	28-1	1429.83	1464.09	1435.72	1443.21	1.27	ppb
Silver	107-1	0.48	0.48	0.48	0.48	0.48	ppb
Silver	109-1	0.40	0.41	0.43	0.41	2.85	ppb
Sodium	23-2	236.86	205.10	206.49	216.15	8.30	ppb
Strontium	86-1	61.30	62.54	62.30	62.05	1.06	ppb
Strontium	88-1	65.09	64.55	64.85	64.83	0.42	ppb
Sulfur	34-1	-599.73	-567.85	-601.15	-589.58		ppb
Terbium	159-1				107		%
Terbium	159-2				105		%
Thallium	203-1	0.44	0.42	0.40	0.42	5.21	ppb
Thallium	205-1	0.45	0.43	0.41	0.43	4.74	ppb
Tin	118-1	1.80	1.83	1.87	1.83	1.95	ppb
Titanium	47-1	1545.55	1547.97	1543.36	1545.63	0.15	ppb
Uranium	238-1	1.14	1.20	1.16	1.17	2.64	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-07	Instrumnet Name :	P8
Client Sample ID :	MYD4P4	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:41:56	DataFile Name :	022AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	168.26	145.62	144.76	152.88	8.72	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				118		%
Yttrium	89-2				116		%
Zinc	66-2	317.58	280.57	278.36	292.17	7.54	ppb
Zirconium	90-1	5.31	5.51	5.45	5.43	1.93	ppb
Zirconium	91-1	5.38	5.50	5.48	5.45	1.22	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-08	Instrumnet Name :	P8
Client Sample ID :	MYD4P5	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:44:59	DataFile Name :	023AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	40322.39	41223.74	39911.25	40485.80	1.66	ppb
Antimony	121-1	1.36	1.42	1.44	1.41	3.29	ppb
Arsenic	75-2	67.16	67.38	67.04	67.19	0.25	ppb
Barium	135-1	329.81	338.90	338.73	335.81	1.55	ppb
Barium	137-1	339.17	344.48	346.22	343.29	1.07	ppb
Beryllium	9-1	1.35	1.35	1.33	1.34	0.79	ppb
Bismuth	209-1				101		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Cadmium	108-1	2.05	2.21	2.20	2.15	4.27	ppb
Cadmium	106-1	3.89	4.08	4.72	4.23	10.35	ppb
Cadmium	111-1	0.40	0.39	0.41	0.40	1.79	ppb
Calcium	43-1	16198.82	16266.72	16318.49	16261.34	0.37	ppb
Calcium	44-1	16179.52	16162.75	16407.68	16249.99	0.84	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	50.57	50.86	50.40	50.61	0.46	ppb
Cobalt	59-2	43.96	44.41	43.98	44.11	0.57	ppb
Copper	63-2	90.10	87.61	88.94	88.88	1.40	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				111		%
Holmium	165-2				108		%
Indium	115-1				111		%
Indium	115-2				108		%
Iron	54-2	108652.79	107367.56	106893.71	107638.02	0.85	ppb
Iron	56-2	104509.29	108258.94	105516.82	106095.02	1.83	ppb
Iron	57-2	105111.61	108583.16	106656.86	106783.88	1.63	ppb
Krypton	83-1						cps
Lead	206-1	33.22	32.81	32.87	32.97	0.66	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-08	Instrumnet Name :	P8
Client Sample ID :	MYD4P5	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:44:59	DataFile Name :	023AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	32.85	32.63	32.51	32.66	0.53	ppb
Lead	208-1	33.04	32.75	32.96	32.92	0.46	ppb
Lithium	6-1				115		%
Magnesium	24-2	18129.02	18133.42	17940.80	18067.75	0.61	ppb
Manganese	55-2	1859.54	1877.56	1867.04	1868.05	0.48	ppb
Molybdenum	94-1	19.26	19.37	19.58	19.40	0.84	ppb
Molybdenum	95-1	1.46	1.47	1.47	1.47	0.17	ppb
Molybdenum	96-1	3.57	3.57	3.67	3.60	1.68	ppb
Molybdenum	97-1	1.47	1.45	1.48	1.47	1.07	ppb
Molybdenum	98-1	1.41	1.43	1.47	1.44	2.23	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	44.47	44.96	44.36	44.60	0.72	ppb
Phosphorus	31-2	2517.19	2521.36	2499.41	2512.65	0.46	ppb
Potassium	39-2	6039.10	6160.08	5995.16	6064.78	1.41	ppb
Rhodium	103-1				109		%
Rhodium	103-2				108		%
Scandium	45-1				121		%
Scandium	45-2				119		%
Selenium	82-1	1.19	1.09	1.07	1.12	5.66	ppb
Selenium	77-2	48.21	47.40	44.78	46.80	3.83	ppb
Selenium	78-2	10.91	12.57	12.20	11.90	7.31	ppb
Silicon	28-1	1548.32	1579.15	1506.69	1544.72	2.35	ppb
Silver	107-1	0.22	0.23	0.23	0.22	1.27	ppb
Silver	109-1	0.11	0.11	0.11	0.11	1.43	ppb
Sodium	23-2	227.03	230.23	227.53	228.27	0.76	ppb
Strontium	86-1	85.06	83.28	86.34	84.89	1.81	ppb
Strontium	88-1	83.07	81.82	82.59	82.49	0.76	ppb
Sulfur	34-1	-620.81	-266.46	-380.62	-422.63		ppb
Terbium	159-1				111		%
Terbium	159-2				108		%
Thallium	203-1	0.30	0.31	0.31	0.31	1.10	ppb
Thallium	205-1	0.31	0.31	0.32	0.31	1.62	ppb
Tin	118-1	1.62	1.70	1.70	1.68	2.85	ppb
Titanium	47-1	1556.02	1581.48	1562.18	1566.56	0.85	ppb
Uranium	238-1	1.00	1.01	1.00	1.00	0.65	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-08	Instrumnet Name :	P8
Client Sample ID :	MYD4P5	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:44:59	DataFile Name :	023AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	185.46	189.01	183.85	186.11	1.42	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				122		%
Yttrium	89-2				121		%
Zinc	66-2	196.88	198.90	196.87	197.55	0.59	ppb
Zirconium	90-1	10.65	10.43	10.68	10.59	1.30	ppb
Zirconium	91-1	10.39	10.65	10.83	10.62	2.10	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-09	Instrumnet Name :	P8
Client Sample ID :	MYD4P6	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:48:04	DataFile Name :	024AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	38645.62	38321.68	38340.39	38435.89	0.47	ppb
Antimony	121-1	2.11	2.10	2.12	2.11	0.45	ppb
Arsenic	75-2	137.50	137.53	138.82	137.95	0.55	ppb
Barium	135-1	315.23	311.69	313.84	313.59	0.57	ppb
Barium	137-1	310.75	315.08	319.90	315.24	1.45	ppb
Beryllium	9-1	1.23	1.27	1.27	1.26	1.91	ppb
Bismuth	209-1				102		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Cadmium	108-1	3.50	3.65	3.54	3.56	2.19	ppb
Cadmium	106-1	6.14	4.72	4.43	5.09	17.92	ppb
Cadmium	111-1	2.81	2.86	2.81	2.83	0.90	ppb
Calcium	43-1	15931.67	15777.99	16350.91	16020.19	1.85	ppb
Calcium	44-1	15978.96	15745.41	16162.32	15962.23	1.31	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	41.02	41.30	40.81	41.04	0.59	ppb
Cobalt	59-2	32.76	32.76	32.55	32.69	0.37	ppb
Copper	63-2	266.62	261.65	266.86	265.04	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				111		%
Holmium	165-2				109		%
Indium	115-1				111		%
Indium	115-2				109		%
Iron	54-2	84825.79	86177.49	84400.12	85134.47	1.09	ppb
Iron	56-2	84817.95	84874.50	85098.45	84930.30	0.17	ppb
Iron	57-2	86545.24	85170.38	83903.70	85206.44	1.55	ppb
Krypton	83-1						cps
Lead	206-1	124.47	123.44	123.24	123.72	0.54	ppb

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-09	Instrumnet Name :	P8
Client Sample ID :	MYD4P6	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:48:04	DataFile Name :	024AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	129.69	130.41	130.77	130.29	0.42	ppb
Lead	208-1	124.90	124.66	124.35	124.63	0.22	ppb
Lithium	6-1				113		%
Magnesium	24-2	16785.00	16538.06	16439.49	16587.52	1.07	ppb
Manganese	55-2	1778.61	1807.39	1783.05	1789.68	0.87	ppb
Molybdenum	94-1	14.93	14.96	14.90	14.93	0.19	ppb
Molybdenum	95-1	1.13	1.15	1.14	1.14	0.90	ppb
Molybdenum	96-1	2.70	2.72	2.76	2.72	1.17	ppb
Molybdenum	97-1	1.11	1.15	1.13	1.13	2.00	ppb
Molybdenum	98-1	1.10	1.13	1.11	1.11	1.14	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	40.27	39.64	39.91	39.94	0.79	ppb
Phosphorus	31-2	2684.88	2592.80	2574.94	2617.54	2.25	ppb
Potassium	39-2	8386.40	8360.77	8164.28	8303.82	1.46	ppb
Rhodium	103-1				110		%
Rhodium	103-2				109		%
Scandium	45-1				121		%
Scandium	45-2				117		%
Selenium	82-1	1.63	1.58	1.56	1.59	2.27	ppb
Selenium	77-2	44.39	44.44	49.19	46.01	5.99	ppb
Selenium	78-2	10.43	11.73	10.98	11.05	5.88	ppb
Silicon	28-1	1659.68	1643.72	1662.01	1655.14	0.60	ppb
Silver	107-1	0.96	0.95	0.98	0.96	1.36	ppb
Silver	109-1	0.92	0.91	0.94	0.92	1.54	ppb
Sodium	23-2	211.07	211.35	211.33	211.25	0.07	ppb
Strontium	86-1	62.85	63.81	63.09	63.25	0.79	ppb
Strontium	88-1	65.36	65.71	66.14	65.73	0.60	ppb
Sulfur	34-1	-126.68	-183.83	-42.47	-117.66		ppb
Terbium	159-1				111		%
Terbium	159-2				108		%
Thallium	203-1	0.36	0.38	0.38	0.37	2.05	ppb
Thallium	205-1	0.37	0.38	0.37	0.38	1.16	ppb
Tin	118-1	2.15	2.13	2.18	2.15	1.33	ppb
Titanium	47-1	1194.50	1194.87	1219.67	1203.01	1.20	ppb
Uranium	238-1	0.88	0.87	0.88	0.88	0.27	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-09	Instrumnet Name :	P8
Client Sample ID :	MYD4P6	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:48:04	DataFile Name :	024AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	115.32	114.53	120.08	116.64	2.57	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				121		%
Yttrium	89-2				120		%
Zinc	66-2	429.95	427.19	425.44	427.52	0.53	ppb
Zirconium	90-1	7.96	8.10	8.17	8.08	1.33	ppb
Zirconium	91-1	8.19	8.24	8.17	8.20	0.41	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-10	Instrumnet Name :	P8
Client Sample ID :	MYD4P7	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:51:06	DataFile Name :	025AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	27120.91	27359.37	27081.60	27187.30	0.55	ppb
Antimony	121-1	4.44	4.53	4.55	4.51	1.40	ppb
Arsenic	75-2	210.08	205.16	207.92	207.72	1.19	ppb
Barium	135-1	268.10	270.84	265.50	268.15	1.00	ppb
Barium	137-1	266.95	272.46	267.44	268.95	1.13	ppb
Beryllium	9-1	1.10	1.10	1.11	1.11	0.57	ppb
Bismuth	209-1				103		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Cadmium	108-1	2.91	2.84	2.98	2.91	2.40	ppb
Cadmium	106-1	2.55	2.88	2.32	2.58	10.95	ppb
Cadmium	111-1	1.99	1.98	1.98	1.98	0.47	ppb
Calcium	43-1	10040.14	10275.85	10228.79	10181.59	1.23	ppb
Calcium	44-1	10106.64	10194.29	10026.07	10109.00	0.83	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	36.12	36.18	35.88	36.06	0.44	ppb
Cobalt	59-2	29.12	29.30	29.02	29.15	0.48	ppb
Copper	63-2	154.30	156.06	155.82	155.39	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				112		%
Holmium	165-2				108		%
Indium	115-1				110		%
Indium	115-2				107		%
Iron	54-2	91148.15	93525.91	92212.69	92295.58	1.29	ppb
Iron	56-2	91660.86	92499.18	90289.83	91483.29	1.22	ppb
Iron	57-2	91660.38	92081.01	90535.41	91425.60	0.87	ppb
Krypton	83-1						cps
Lead	206-1	147.63	146.62	146.97	147.07	0.35	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-10	Instrumnet Name :	P8
Client Sample ID :	MYD4P7	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:51:06	DataFile Name :	025AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	158.78	155.74	160.97	158.50	1.66	ppb
Lead	208-1	153.01	151.27	153.08	152.45	0.67	ppb
Lithium	6-1				114		%
Magnesium	24-2	10478.42	10546.40	10436.86	10487.23	0.53	ppb
Manganese	55-2	1255.08	1236.41	1236.95	1242.81	0.86	ppb
Molybdenum	94-1	13.71	13.64	13.74	13.69	0.38	ppb
Molybdenum	95-1	1.37	1.33	1.37	1.36	1.54	ppb
Molybdenum	96-1	2.89	2.82	2.89	2.87	1.41	ppb
Molybdenum	97-1	1.35	1.38	1.36	1.37	1.14	ppb
Molybdenum	98-1	1.34	1.33	1.34	1.34	0.51	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	28.11	28.14	28.29	28.18	0.34	ppb
Phosphorus	31-2	2235.81	2203.48	2198.34	2212.54	0.92	ppb
Potassium	39-2	5489.89	5516.60	5521.20	5509.23	0.31	ppb
Rhodium	103-1				110		%
Rhodium	103-2				107		%
Scandium	45-1				120		%
Scandium	45-2				115		%
Selenium	82-1	1.79	1.96	1.58	1.78	10.57	ppb
Selenium	77-2	35.36	36.73	36.33	36.14	1.95	ppb
Selenium	78-2	9.21	9.58	10.06	9.62	4.40	ppb
Silicon	28-1	1160.22	1170.18	1181.91	1170.77	0.93	ppb
Silver	107-1	0.79	0.82	0.82	0.81	2.30	ppb
Silver	109-1	0.75	0.75	0.77	0.75	1.36	ppb
Sodium	23-2	190.83	190.47	189.13	190.14	0.47	ppb
Strontium	86-1	58.55	58.85	59.40	58.93	0.73	ppb
Strontium	88-1	60.99	60.67	61.66	61.11	0.83	ppb
Sulfur	34-1	-145.31	-202.97	-226.17	-191.48		ppb
Terbium	159-1				113		%
Terbium	159-2				108		%
Thallium	203-1	0.29	0.30	0.31	0.30	1.99	ppb
Thallium	205-1	0.31	0.30	0.31	0.31	0.86	ppb
Tin	118-1	1.96	1.95	1.97	1.96	0.59	ppb
Titanium	47-1	1687.25	1699.87	1682.06	1689.72	0.54	ppb
Uranium	238-1	0.94	0.94	0.96	0.95	1.15	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-10	Instrumnet Name :	P8
Client Sample ID :	MYD4P7	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:51:06	DataFile Name :	025AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	161.80	165.55	162.54	163.30	1.22	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				120		%
Yttrium	89-2				118		%
Zinc	66-2	452.27	456.27	451.16	453.24	0.59	ppb
Zirconium	90-1	7.25	7.24	7.30	7.26	0.47	ppb
Zirconium	91-1	7.29	7.40	7.40	7.36	0.88	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-11	Instrumnet Name :	P8
Client Sample ID :	MYD4P8	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:54:10	DataFile Name :	026AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	48854.38	50490.83	48898.26	49414.49	1.89	ppb
Antimony	121-1	2.91	2.98	2.96	2.95	1.21	ppb
Arsenic	75-2	192.33	198.58	192.76	194.56	1.79	ppb
Barium	135-1	452.85	463.33	450.83	455.67	1.47	ppb
Barium	137-1	461.00	457.60	456.63	458.41	0.50	ppb
Beryllium	9-1	1.49	1.47	1.43	1.47	2.01	ppb
Bismuth	209-1				100		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Cadmium	108-1	3.62	3.77	3.57	3.65	2.93	ppb
Cadmium	106-1	4.79	4.97	4.35	4.70	6.73	ppb
Cadmium	111-1	2.51	2.62	2.55	2.56	2.21	ppb
Calcium	43-1	19659.04	19879.50	20001.69	19846.74	0.87	ppb
Calcium	44-1	19568.66	19546.37	19911.57	19675.53	1.04	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	50.82	52.15	50.29	51.09	1.88	ppb
Cobalt	59-2	43.52	43.60	42.41	43.17	1.53	ppb
Copper	63-2	218.21	220.28	208.18	215.56	3.00	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				110		%
Holmium	165-2				106		%
Indium	115-1				108		%
Indium	115-2				106		%
Iron	54-2	124193.91	124477.86	120340.64	123004.14	1.88	ppb
Iron	56-2	122069.83	124079.61	120770.20	122306.55	1.36	ppb
Iron	57-2	121359.19	124095.15	120564.58	122006.31	1.52	ppb
Krypton	83-1						cps
Lead	206-1	170.03	168.67	169.82	169.51	0.43	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-11	Instrumnet Name :	P8
Client Sample ID :	MYD4P8	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:54:10	DataFile Name :	026AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	182.18	180.42	182.80	181.80	0.68	ppb
Lead	208-1	175.00	173.04	173.19	173.74	0.63	ppb
Lithium	6-1				112		%
Magnesium	24-2	18886.57	19240.30	18739.22	18955.36	1.36	ppb
Manganese	55-2	2314.25	2345.30	2282.78	2314.11	1.35	ppb
Molybdenum	94-1	15.89	15.93	16.28	16.03	1.33	ppb
Molybdenum	95-1	2.11	2.11	2.12	2.11	0.32	ppb
Molybdenum	96-1	3.84	3.79	3.89	3.84	1.29	ppb
Molybdenum	97-1	2.11	2.09	2.12	2.11	0.58	ppb
Molybdenum	98-1	2.05	2.07	2.07	2.07	0.67	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	46.78	47.11	45.67	46.52	1.62	ppb
Phosphorus	31-2	2669.72	2660.85	2582.89	2637.82	1.81	ppb
Potassium	39-2	8604.57	8686.25	8544.37	8611.73	0.83	ppb
Rhodium	103-1				106		%
Rhodium	103-2				105		%
Scandium	45-1				119		%
Scandium	45-2				115		%
Selenium	82-1	2.35	2.04	2.52	2.31	10.53	ppb
Selenium	77-2	45.74	43.49	41.62	43.62	4.73	ppb
Selenium	78-2	13.30	11.05	12.03	12.13	9.28	ppb
Silicon	28-1	1694.20	1694.80	1714.68	1701.23	0.69	ppb
Silver	107-1	1.11	1.14	1.11	1.12	1.88	ppb
Silver	109-1	1.04	1.06	1.05	1.05	1.16	ppb
Sodium	23-2	238.44	242.06	234.14	238.22	1.67	ppb
Strontium	86-1	98.55	98.56	97.82	98.31	0.43	ppb
Strontium	88-1	96.13	93.47	96.02	95.21	1.58	ppb
Sulfur	34-1	2519.57	2515.13	2619.83	2551.51	2.32	ppb
Terbium	159-1				109		%
Terbium	159-2				105		%
Thallium	203-1	0.36	0.35	0.37	0.36	3.57	ppb
Thallium	205-1	0.37	0.36	0.37	0.37	1.39	ppb
Tin	118-1	2.35	2.42	2.35	2.37	1.81	ppb
Titanium	47-1	1740.88	1766.84	1745.78	1751.17	0.79	ppb
Uranium	238-1	1.02	1.01	1.02	1.02	0.63	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-11	Instrumnet Name :	P8
Client Sample ID :	MYD4P8	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:54:10	DataFile Name :	026AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	221.72	219.10	218.48	219.77	0.78	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				121		%
Yttrium	89-2				119		%
Zinc	66-2	594.86	601.31	578.33	591.50	2.00	ppb
Zirconium	90-1	8.25	8.32	8.44	8.34	1.16	ppb
Zirconium	91-1	8.28	8.27	8.44	8.33	1.19	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-12	Instrumnet Name :	P8
Client Sample ID :	MYD4P9	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:57:09	DataFile Name :	027AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	55198.76	54805.99	54652.71	54885.82	0.51	ppb
Antimony	121-1	2.53	2.87	2.69	2.70	6.32	ppb
Arsenic	75-2	153.34	151.80	151.35	152.16	0.69	ppb
Barium	135-1	414.43	457.14	427.62	433.06	5.05	ppb
Barium	137-1	412.42	458.56	434.99	435.32	5.30	ppb
Beryllium	9-1	1.70	1.87	1.73	1.77	5.05	ppb
Bismuth	209-1				96		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Cadmium	108-1	3.15	3.59	3.48	3.40	6.75	ppb
Cadmium	106-1	5.13	5.70	4.77	5.20	9.06	ppb
Cadmium	111-1	1.54	1.72	1.63	1.63	5.56	ppb
Calcium	43-1	17867.00	19584.18	18543.65	18664.94	4.63	ppb
Calcium	44-1	17486.85	19131.93	18372.24	18330.34	4.49	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	57.96	57.73	57.37	57.68	0.52	ppb
Cobalt	59-2	41.03	40.75	40.85	40.88	0.35	ppb
Copper	63-2	169.08	167.01	168.62	168.24	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				106		%
Holmium	165-2				108		%
Indium	115-1				105		%
Indium	115-2				106		%
Iron	54-2	136107.31	135580.14	134058.47	135248.64	0.79	ppb
Iron	56-2	135058.46	135327.90	133631.47	134672.61	0.68	ppb
Iron	57-2	133079.77	136171.58	133267.10	134172.81	1.29	ppb
Krypton	83-1						cps
Lead	206-1	101.71	116.48	106.15	108.11	7.01	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-12	Instrumnet Name :	P8
Client Sample ID :	MYD4P9	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:57:09	DataFile Name :	027AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	108.27	121.83	110.68	113.60	6.37	ppb
Lead	208-1	104.21	117.12	106.25	109.19	6.36	ppb
Lithium	6-1				108		%
Magnesium	24-2	19865.07	19607.88	19868.69	19780.55	0.76	ppb
Manganese	55-2	1733.73	1728.29	1721.10	1727.71	0.37	ppb
Molybdenum	94-1	20.04	23.28	22.38	21.90	7.64	ppb
Molybdenum	95-1	1.21	1.41	1.35	1.32	7.94	ppb
Molybdenum	96-1	3.50	4.02	3.92	3.81	7.17	ppb
Molybdenum	97-1	1.20	1.40	1.34	1.31	7.54	ppb
Molybdenum	98-1	1.17	1.38	1.31	1.29	8.31	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	46.78	46.64	46.90	46.77	0.28	ppb
Phosphorus	31-2	2757.77	2714.67	2736.39	2736.28	0.79	ppb
Potassium	39-2	5389.47	5382.26	5228.70	5333.47	1.70	ppb
Rhodium	103-1				102		%
Rhodium	103-2				105		%
Scandium	45-1				116		%
Scandium	45-2				117		%
Selenium	82-1	2.23	2.35	2.12	2.23	5.17	ppb
Selenium	77-2	56.16	55.40	56.14	55.90	0.77	ppb
Selenium	78-2	11.42	13.44	13.54	12.80	9.32	ppb
Silicon	28-1	1491.61	1611.15	1533.23	1545.33	3.93	ppb
Silver	107-1	0.77	0.85	0.78	0.80	5.24	ppb
Silver	109-1	0.66	0.74	0.70	0.70	5.51	ppb
Sodium	23-2	233.43	230.12	230.12	231.22	0.83	ppb
Strontium	86-1	90.93	99.59	97.99	96.17	4.79	ppb
Strontium	88-1	86.97	97.59	94.52	93.03	5.87	ppb
Sulfur	34-1	-267.37	-254.28	-434.59	-318.75		ppb
Terbium	159-1				106		%
Terbium	159-2				107		%
Thallium	203-1	0.31	0.37	0.34	0.34	9.18	ppb
Thallium	205-1	0.33	0.37	0.34	0.34	5.76	ppb
Tin	118-1	2.13	2.46	2.27	2.29	7.16	ppb
Titanium	47-1	1635.38	1809.76	1709.05	1718.06	5.09	ppb
Uranium	238-1	1.13	1.29	1.19	1.20	6.78	ppb

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-12	Instrumnet Name :	P8
Client Sample ID :	MYD4P9	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:57:09	DataFile Name :	027AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	264.69	258.87	262.85	262.14	1.13	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				116		%
Yttrium	89-2				119		%
Zinc	66-2	389.48	387.12	389.27	388.62	0.34	ppb
Zirconium	90-1	11.18	12.90	12.28	12.12	7.22	ppb
Zirconium	91-1	11.25	13.04	12.46	12.25	7.46	ppb

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-13	Instrumnet Name :	P8
Client Sample ID :	MYD4P9D	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:00:11	DataFile Name :	028AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	55645.62	56862.94	55565.97	56024.84	1.30	ppb
Antimony	121-1	2.54	2.55	2.60	2.56	1.26	ppb
Arsenic	75-2	158.18	153.91	156.19	156.09	1.37	ppb
Barium	135-1	406.91	415.99	415.08	412.66	1.21	ppb
Barium	137-1	411.71	415.04	417.98	414.91	0.76	ppb
Beryllium	9-1	1.73	1.67	1.70	1.70	1.95	ppb
Bismuth	209-1				101		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Cadmium	108-1	3.42	3.34	3.43	3.40	1.55	ppb
Cadmium	106-1	4.13	4.76	4.48	4.46	7.09	ppb
Cadmium	111-1	1.56	1.59	1.62	1.59	1.83	ppb
Calcium	43-1	18067.10	18336.78	17756.89	18053.59	1.61	ppb
Calcium	44-1	17604.17	18035.00	17712.21	17783.80	1.26	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	59.16	59.16	59.33	59.22	0.17	ppb
Cobalt	59-2	41.88	41.68	42.15	41.90	0.56	ppb
Copper	63-2	172.69	172.26	172.62	172.52	0.14	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				109		%
Holmium	165-2				104		%
Indium	115-1				106		%
Indium	115-2				102		%
Iron	54-2	139650.21	136461.75	138886.99	138332.98	1.20	ppb
Iron	56-2	138268.15	137817.97	136264.36	137450.16	0.76	ppb
Iron	57-2	138194.13	137075.10	137414.10	137561.11	0.42	ppb
Krypton	83-1						cps
Lead	206-1	103.09	101.85	100.56	101.83	1.24	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-13	Instrumnet Name :	P8
Client Sample ID :	MYD4P9D	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:00:11	DataFile Name :	028AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	109.91	107.97	106.34	108.07	1.65	ppb
Lead	208-1	104.56	104.39	102.50	103.81	1.10	ppb
Lithium	6-1				111		%
Magnesium	24-2	19866.13	20112.48	20191.94	20056.85	0.85	ppb
Manganese	55-2	1791.74	1757.51	1779.73	1776.33	0.98	ppb
Molybdenum	94-1	21.32	21.12	21.23	21.22	0.48	ppb
Molybdenum	95-1	1.30	1.30	1.28	1.29	0.56	ppb
Molybdenum	96-1	3.71	3.67	3.68	3.69	0.57	ppb
Molybdenum	97-1	1.29	1.26	1.24	1.26	1.94	ppb
Molybdenum	98-1	1.25	1.21	1.24	1.23	1.75	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	47.59	47.74	47.87	47.74	0.29	ppb
Phosphorus	31-2	2831.37	2753.07	2808.86	2797.77	1.44	ppb
Potassium	39-2	5467.97	5462.90	5464.45	5465.11	0.05	ppb
Rhodium	103-1				103		%
Rhodium	103-2				102		%
Scandium	45-1				119		%
Scandium	45-2				113		%
Selenium	82-1	2.05	1.50	2.21	1.92	19.50	ppb
Selenium	77-2	57.48	56.65	57.23	57.12	0.74	ppb
Selenium	78-2	12.17	12.61	12.83	12.54	2.67	ppb
Silicon	28-1	1492.67	1537.62	1495.11	1508.47	1.68	ppb
Silver	107-1	0.78	0.77	0.78	0.78	0.87	ppb
Silver	109-1	0.67	0.66	0.68	0.67	1.10	ppb
Sodium	23-2	230.82	231.21	232.30	231.44	0.33	ppb
Strontium	86-1	94.23	92.92	91.16	92.77	1.66	ppb
Strontium	88-1	92.33	89.71	89.72	90.59	1.67	ppb
Sulfur	34-1	-372.20	-506.78	-582.64	-487.21		ppb
Terbium	159-1				109		%
Terbium	159-2				104		%
Thallium	203-1	0.32	0.32	0.31	0.32	1.18	ppb
Thallium	205-1	0.33	0.33	0.32	0.32	1.69	ppb
Tin	118-1	2.16	2.17	2.26	2.20	2.59	ppb
Titanium	47-1	1678.11	1711.14	1687.12	1692.12	1.01	ppb
Uranium	238-1	1.15	1.16	1.14	1.15	0.83	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-13	Instrumnet Name :	P8
Client Sample ID :	MYD4P9D	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:00:11	DataFile Name :	028AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	268.49	269.58	269.28	269.12	0.21	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				120		%
Yttrium	89-2				115		%
Zinc	66-2	399.46	400.02	403.62	401.04	0.56	ppb
Zirconium	90-1	11.70	11.59	11.77	11.69	0.80	ppb
Zirconium	91-1	11.78	11.67	11.83	11.76	0.69	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-12LX5	Instrumnet Name :	P8
Client Sample ID :	MYD4P9L	Dilution Factor :	5
Date & Time Acquired :	2024-10-02 18:03:12	DataFile Name :	029AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	11250.12	11221.43	11417.79	11296.45	0.94	ppb
Antimony	121-1	0.50	0.49	0.49	0.49	1.33	ppb
Arsenic	75-2	31.44	31.84	32.42	31.90	1.55	ppb
Barium	135-1	75.71	75.70	75.39	75.60	0.23	ppb
Barium	137-1	80.08	79.13	80.07	79.76	0.68	ppb
Beryllium	9-1	0.34	0.34	0.34	0.34	0.66	ppb
Bismuth	209-1				103		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Cadmium	108-1	0.63	0.77	0.76	0.72	10.38	ppb
Cadmium	106-1	-0.88	-2.01	-2.37	-1.75		ppb
Cadmium	111-1	0.30	0.28	0.29	0.29	4.52	ppb
Calcium	43-1	3413.92	3415.61	3403.60	3411.04	0.19	ppb
Calcium	44-1	3599.69	3573.17	3491.04	3554.63	1.59	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	12.20	12.24	12.15	12.20	0.36	ppb
Cobalt	59-2	8.49	8.49	8.64	8.54	0.99	ppb
Copper	63-2	34.26	34.11	34.48	34.28	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				110		%
Holmium	165-2				108		%
Indium	115-1				110		%
Indium	115-2				108		%
Iron	54-2	28464.08	28395.92	28414.60	28424.87	0.12	ppb
Iron	56-2	28095.29	27790.75	28097.89	27994.65	0.63	ppb
Iron	57-2	28203.99	27996.90	27663.06	27954.65	0.98	ppb
Krypton	83-1						cps
Lead	206-1	18.68	18.90	18.86	18.81	0.62	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-12LX5	Instrumnet Name :	P8
Client Sample ID :	MYD4P9L	Dilution Factor :	5
Date & Time Acquired :	2024-10-02 18:03:12	DataFile Name :	029AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	19.52	20.05	20.45	20.01	2.32	ppb
Lead	208-1	19.20	19.60	19.60	19.47	1.19	ppb
Lithium	6-1				109		%
Magnesium	24-2	4035.64	4008.50	4023.35	4022.49	0.34	ppb
Manganese	55-2	369.18	362.46	363.74	365.12	0.98	ppb
Molybdenum	94-1	4.22	4.28	4.27	4.26	0.76	ppb
Molybdenum	95-1	0.28	0.30	0.30	0.29	2.91	ppb
Molybdenum	96-1	0.77	0.76	0.78	0.77	1.38	ppb
Molybdenum	97-1	0.30	0.29	0.31	0.30	3.72	ppb
Molybdenum	98-1	0.28	0.28	0.28	0.28	0.81	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	10.14	10.08	10.15	10.12	0.35	ppb
Phosphorus	31-2	532.27	532.50	557.86	540.88	2.72	ppb
Potassium	39-2	1023.23	1028.09	1034.41	1028.58	0.55	ppb
Rhodium	103-1				110		%
Rhodium	103-2				108		%
Scandium	45-1				114		%
Scandium	45-2				110		%
Selenium	82-1	0.39	0.42	0.44	0.42	6.74	ppb
Selenium	77-2	8.77	9.77	10.22	9.59	7.72	ppb
Selenium	78-2	2.71	2.52	2.22	2.48	10.00	ppb
Silicon	28-1	302.37	298.94	299.58	300.30	0.61	ppb
Silver	107-1	0.15	0.15	0.15	0.15	2.41	ppb
Silver	109-1	0.13	0.13	0.13	0.13	1.36	ppb
Sodium	23-2	60.19	59.00	59.36	59.52	1.02	ppb
Strontium	86-1	17.38	17.61	17.70	17.56	0.93	ppb
Strontium	88-1	18.57	18.55	18.68	18.60	0.37	ppb
Sulfur	34-1	-712.30	-704.66	-717.27	-711.41		ppb
Terbium	159-1				110		%
Terbium	159-2				108		%
Thallium	203-1	0.07	0.08	0.07	0.07	5.86	ppb
Thallium	205-1	0.08	0.07	0.08	0.08	3.57	ppb
Tin	118-1	0.46	0.44	0.48	0.46	4.37	ppb
Titanium	47-1	347.43	339.32	334.27	340.34	1.95	ppb
Uranium	238-1	0.21	0.21	0.22	0.21	1.18	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-12LX5	Instrumnet Name :	P8
Client Sample ID :	MYD4P9L	Dilution Factor :	5
Date & Time Acquired :	2024-10-02 18:03:12	DataFile Name :	029AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	50.21	49.86	51.17	50.41	1.34	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				114		%
Yttrium	89-2				113		%
Zinc	66-2	82.08	83.01	82.65	82.58	0.57	ppb
Zirconium	90-1	2.31	2.32	2.37	2.33	1.30	ppb
Zirconium	91-1	2.35	2.38	2.33	2.35	1.01	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-14	Instrumnet Name :	P8
Client Sample ID :	MYD4P9S	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:06:22	DataFile Name :	030AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	56257.06	55919.70	56071.15	56082.64	0.30	ppb
Antimony	121-1	63.91	62.98	63.96	63.62	0.86	ppb
Arsenic	75-2	173.62	172.38	173.83	173.28	0.45	ppb
Barium	135-1	1562.08	1549.55	1562.41	1558.02	0.47	ppb
Barium	137-1	1579.25	1565.93	1564.71	1569.96	0.51	ppb
Beryllium	9-1	27.37	27.27	27.21	27.28	0.31	ppb
Bismuth	209-1				99		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Cadmium	108-1	25.83	25.26	25.59	25.56	1.12	ppb
Cadmium	106-1	28.23	26.24	25.91	26.79	4.69	ppb
Cadmium	111-1	30.84	30.60	31.31	30.92	1.17	ppb
Calcium	43-1	17900.98	17518.10	17627.29	17682.12	1.12	ppb
Calcium	44-1	17859.88	17297.24	17823.59	17660.24	1.78	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	179.76	176.63	178.58	178.32	0.88	ppb
Cobalt	59-2	326.75	329.15	325.34	327.08	0.59	ppb
Copper	63-2	302.62	304.96	308.73	305.43	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				107		%
Holmium	165-2				104		%
Indium	115-1				106		%
Indium	115-2				102		%
Iron	54-2	136760.32	134895.81	133212.09	134956.07	1.32	ppb
Iron	56-2	136136.13	136142.58	134709.11	135662.61	0.61	ppb
Iron	57-2	135242.74	137259.44	136086.54	136196.24	0.74	ppb
Krypton	83-1						cps
Lead	206-1	112.04	116.62	114.15	114.27	2.00	ppb

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-14	Instrumnet Name :	P8
Client Sample ID :	MYD4P9S	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:06:22	DataFile Name :	030AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	117.90	118.37	118.27	118.18	0.21	ppb
Lead	208-1	113.85	115.07	114.53	114.48	0.53	ppb
Lithium	6-1				110		%
Magnesium	24-2	19671.78	19770.83	19964.98	19802.53	0.75	ppb
Manganese	55-2	2012.87	1988.20	1965.65	1988.91	1.19	ppb
Molybdenum	94-1	21.19	20.82	20.95	20.99	0.90	ppb
Molybdenum	95-1	1.25	1.27	1.27	1.26	0.91	ppb
Molybdenum	96-1	3.67	3.58	3.65	3.64	1.26	ppb
Molybdenum	97-1	1.25	1.24	1.26	1.25	0.69	ppb
Molybdenum	98-1	1.24	1.19	1.23	1.22	2.22	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	342.98	342.02	347.64	344.21	0.87	ppb
Phosphorus	31-2	2726.75	2732.61	2678.72	2712.69	1.09	ppb
Potassium	39-2	5286.96	5335.90	5342.61	5321.82	0.57	ppb
Rhodium	103-1				103		%
Rhodium	103-2				101		%
Scandium	45-1				116		%
Scandium	45-2				112		%
Selenium	82-1	60.68	61.77	62.35	61.60	1.38	ppb
Selenium	77-2	111.89	104.16	118.11	111.39	6.27	ppb
Selenium	78-2	71.34	71.18	67.77	70.10	2.88	ppb
Silicon	28-1	1463.08	1475.64	1506.01	1481.58	1.49	ppb
Silver	107-1	30.92	31.36	31.29	31.19	0.76	ppb
Silver	109-1	32.44	30.70	31.81	31.65	2.78	ppb
Sodium	23-2	221.29	223.23	223.99	222.84	0.62	ppb
Strontium	86-1	94.71	92.52	91.81	93.02	1.63	ppb
Strontium	88-1	89.99	88.89	90.84	89.91	1.09	ppb
Sulfur	34-1	-520.10	-572.29	-487.21	-526.54		ppb
Terbium	159-1				108		%
Terbium	159-2				103		%
Thallium	203-1	27.93	28.17	28.46	28.19	0.94	ppb
Thallium	205-1	29.13	29.62	29.49	29.42	0.86	ppb
Tin	118-1	2.12	2.10	2.12	2.11	0.75	ppb
Titanium	47-1	1690.10	1641.25	1679.27	1670.21	1.54	ppb
Uranium	238-1	1.15	1.15	1.17	1.16	1.03	ppb

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-14	Instrumnet Name :	P8
Client Sample ID :	MYD4P9S	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:06:22	DataFile Name :	030AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	538.96	530.64	533.77	534.46	0.79	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				118		%
Yttrium	89-2				115		%
Zinc	66-2	655.95	658.01	657.70	657.22	0.17	ppb
Zirconium	90-1	11.53	11.50	11.59	11.54	0.37	ppb
Zirconium	91-1	11.65	11.50	11.67	11.61	0.79	ppb

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-12MS	Instrumnet Name :	P8
Client Sample ID :	MYD4P9SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:09:17	DataFile Name :	031AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	57229.45	58319.39	58585.11	58044.65	1.24	ppb
Antimony	121-1	291.79	293.03	292.15	292.32	0.22	ppb
Arsenic	75-2	250.58	253.20	252.97	252.25	0.58	ppb
Barium	135-1	5948.74	5946.01	5966.09	5953.61	0.18	ppb
Barium	137-1	6043.60	6021.43	6014.00	6026.35	0.26	ppb
Beryllium	9-1	134.46	134.98	135.12	134.85	0.26	ppb
Bismuth	209-1				98		%
Bismuth	209-2				96		%
Bromine	81-1						cps
Cadmium	108-1	110.24	111.71	111.56	111.17	0.73	ppb
Cadmium	106-1	110.92	111.78	108.99	110.56	1.29	ppb
Cadmium	111-1	148.32	149.72	149.54	149.19	0.51	ppb
Calcium	43-1	17377.14	17450.29	17060.56	17296.00	1.20	ppb
Calcium	44-1	16979.20	17230.32	17160.52	17123.35	0.76	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	615.23	625.48	619.80	620.17	0.83	ppb
Cobalt	59-2	1420.97	1423.84	1415.90	1420.24	0.28	ppb
Copper	63-2	824.49	828.64	825.95	826.36	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				107		%
Holmium	165-2				102		%
Indium	115-1				104		%
Indium	115-2				99		%
Iron	54-2	133538.01	138090.18	137510.96	136379.71	1.82	ppb
Iron	56-2	133903.17	135709.70	133036.16	134216.34	1.02	ppb
Iron	57-2	133025.14	134466.02	132834.91	133442.02	0.67	ppb
Krypton	83-1						cps
Lead	206-1	154.30	154.45	158.38	155.71	1.49	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-12MS	Instrumnet Name :	P8
Client Sample ID :	MYD4P9SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:09:17	DataFile Name :	031AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	158.32	157.75	162.66	159.58	1.68	ppb
Lead	208-1	155.88	154.00	160.14	156.67	2.01	ppb
Lithium	6-1				107		%
Magnesium	24-2	19152.81	19219.51	19182.43	19184.92	0.17	ppb
Manganese	55-2	3030.12	3053.84	3018.93	3034.30	0.59	ppb
Molybdenum	94-1	19.77	20.40	20.60	20.26	2.12	ppb
Molybdenum	95-1	1.22	1.23	1.22	1.22	0.37	ppb
Molybdenum	96-1	3.53	3.59	3.61	3.57	1.18	ppb
Molybdenum	97-1	1.24	1.25	1.23	1.24	0.44	ppb
Molybdenum	98-1	1.25	1.24	1.25	1.25	0.43	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1451.72	1458.80	1445.22	1451.91	0.47	ppb
Phosphorus	31-2	2577.07	2670.70	2691.94	2646.57	2.31	ppb
Potassium	39-2	5165.21	5120.54	5132.03	5139.26	0.45	ppb
Rhodium	103-1				101		%
Rhodium	103-2				99		%
Scandium	45-1				114		%
Scandium	45-2				108		%
Selenium	82-1	282.47	285.19	289.30	285.65	1.20	ppb
Selenium	77-2	330.60	322.65	334.61	329.29	1.85	ppb
Selenium	78-2	285.97	284.51	291.50	287.33	1.28	ppb
Silicon	28-1	1412.35	1410.99	1413.19	1412.18	0.08	ppb
Silver	107-1	120.50	132.32	169.55	140.79	18.18	ppb
Silver	109-1	132.66	135.87	114.53	127.68	9.01	ppb
Sodium	23-2	222.46	223.98	228.40	224.95	1.37	ppb
Strontium	86-1	86.13	88.33	90.28	88.24	2.35	ppb
Strontium	88-1	85.39	86.66	86.57	86.21	0.82	ppb
Sulfur	34-1	-455.80	-449.78	-491.62	-465.73		ppb
Terbium	159-1				106		%
Terbium	159-2				102		%
Thallium	203-1	139.03	137.89	139.97	138.96	0.75	ppb
Thallium	205-1	140.93	135.03	141.00	138.98	2.47	ppb
Tin	118-1	3.52	3.60	3.59	3.57	1.18	ppb
Titanium	47-1	1589.64	1612.08	1598.86	1600.19	0.70	ppb
Uranium	238-1	1.09	1.10	1.13	1.11	1.59	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-12MS	Instrumnet Name :	P8
Client Sample ID :	MYD4P9SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:09:17	DataFile Name :	031AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	1591.69	1636.48	1613.29	1613.82	1.39	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				115		%
Yttrium	89-2				111		%
Zinc	66-2	1814.95	1783.04	1777.90	1791.96	1.12	ppb
Zirconium	90-1	10.99	11.17	11.19	11.12	0.99	ppb
Zirconium	91-1	11.19	11.50	11.45	11.38	1.46	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-15	Instrumnet Name :	P8
Client Sample ID :	MYD4Q0	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:12:10	DataFile Name :	032AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	44094.67	44214.37	43945.04	44084.70	0.31	ppb
Antimony	121-1	1.42	1.47	1.48	1.46	2.11	ppb
Arsenic	75-2	71.43	71.41	71.69	71.51	0.21	ppb
Barium	135-1	391.36	385.34	385.47	387.39	0.89	ppb
Barium	137-1	395.70	391.73	390.99	392.80	0.64	ppb
Beryllium	9-1	1.43	1.42	1.38	1.41	2.10	ppb
Bismuth	209-1				100		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Cadmium	108-1	1.99	2.03	2.25	2.09	6.64	ppb
Cadmium	106-1	1.96	3.16	1.45	2.19	40.11	ppb
Cadmium	111-1	0.56	0.54	0.53	0.54	2.59	ppb
Calcium	43-1	16827.99	17112.57	16876.48	16939.01	0.90	ppb
Calcium	44-1	16859.04	17325.36	16940.71	17041.70	1.46	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	47.29	47.44	47.80	47.51	0.55	ppb
Cobalt	59-2	42.42	42.98	43.24	42.88	0.98	ppb
Copper	63-2	111.83	109.72	109.84	110.47	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				108		%
Holmium	165-2				104		%
Indium	115-1				105		%
Indium	115-2				100		%
Iron	54-2	117266.16	118329.40	117802.45	117799.34	0.45	ppb
Iron	56-2	116406.55	117892.79	117540.26	117279.87	0.66	ppb
Iron	57-2	117304.67	120392.23	118284.94	118660.61	1.33	ppb
Krypton	83-1						cps
Lead	206-1	43.73	42.69	41.78	42.73	2.27	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-15	Instrumnet Name :	P8
Client Sample ID :	MYD4Q0	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:12:10	DataFile Name :	032AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	42.50	41.49	41.97	41.99	1.20	ppb
Lead	208-1	42.94	41.75	42.03	42.24	1.48	ppb
Lithium	6-1				109		%
Magnesium	24-2	17876.56	17699.13	17696.93	17757.54	0.58	ppb
Manganese	55-2	1599.97	1598.27	1592.66	1596.97	0.24	ppb
Molybdenum	94-1	16.24	16.20	16.10	16.18	0.45	ppb
Molybdenum	95-1	1.06	1.06	1.04	1.05	1.19	ppb
Molybdenum	96-1	2.97	2.86	2.92	2.92	2.01	ppb
Molybdenum	97-1	1.05	1.06	1.06	1.05	0.72	ppb
Molybdenum	98-1	1.03	1.01	1.01	1.02	0.99	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	40.84	40.78	41.02	40.88	0.31	ppb
Phosphorus	31-2	2274.15	2277.32	2271.38	2274.28	0.13	ppb
Potassium	39-2	4022.19	4059.66	4101.98	4061.28	0.98	ppb
Rhodium	103-1				104		%
Rhodium	103-2				101		%
Scandium	45-1				115		%
Scandium	45-2				108		%
Selenium	82-1	1.27	1.50	1.62	1.46	12.24	ppb
Selenium	77-2	48.81	46.23	44.41	46.49	4.75	ppb
Selenium	78-2	11.76	11.16	11.80	11.57	3.08	ppb
Silicon	28-1	1680.15	1668.29	1679.85	1676.10	0.40	ppb
Silver	107-1	0.29	0.28	0.28	0.28	3.34	ppb
Silver	109-1	0.18	0.18	0.17	0.18	3.27	ppb
Sodium	23-2	212.22	212.56	211.95	212.25	0.15	ppb
Strontium	86-1	83.85	77.26	77.89	79.66	4.56	ppb
Strontium	88-1	82.20	82.12	81.38	81.90	0.55	ppb
Sulfur	34-1	-688.45	-701.91	-674.15	-688.17		ppb
Terbium	159-1				108		%
Terbium	159-2				104		%
Thallium	203-1	0.26	0.24	0.25	0.25	3.94	ppb
Thallium	205-1	0.26	0.25	0.26	0.26	2.22	ppb
Tin	118-1	1.78	1.79	1.84	1.80	1.71	ppb
Titanium	47-1	1480.02	1513.14	1492.98	1495.38	1.12	ppb
Uranium	238-1	0.98	0.96	0.97	0.97	0.88	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-15	Instrumnet Name :	P8
Client Sample ID :	MYD4Q0	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:12:10	DataFile Name :	032AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	235.00	236.42	235.18	235.53	0.33	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				116		%
Yttrium	89-2				112		%
Zinc	66-2	200.58	200.64	197.84	199.69	0.80	ppb
Zirconium	90-1	8.90	8.81	8.84	8.85	0.51	ppb
Zirconium	91-1	8.89	8.82	8.89	8.87	0.43	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-16	Instrumnet Name :	P8
Client Sample ID :	MYD4Q1	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:15:13	DataFile Name :	033AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	46624.32	45295.98	45212.21	45710.83	1.73	ppb
Antimony	121-1	3.19	3.24	3.23	3.22	0.84	ppb
Arsenic	75-2	224.90	221.28	224.16	223.44	0.86	ppb
Barium	135-1	375.80	380.33	379.69	378.61	0.65	ppb
Barium	137-1	378.31	385.88	383.74	382.65	1.02	ppb
Beryllium	9-1	1.36	1.37	1.35	1.36	0.77	ppb
Bismuth	209-1				101		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Cadmium	108-1	3.29	3.55	3.59	3.48	4.76	ppb
Cadmium	106-1	3.51	2.62	3.49	3.21	15.77	ppb
Cadmium	111-1	2.62	2.69	2.71	2.67	1.76	ppb
Calcium	43-1	19791.25	19909.15	19507.36	19735.92	1.05	ppb
Calcium	44-1	19644.92	19300.20	19449.46	19464.86	0.89	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	47.81	47.78	47.87	47.82	0.10	ppb
Cobalt	59-2	38.59	38.27	38.09	38.32	0.66	ppb
Copper	63-2	197.87	196.66	198.12	197.55	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				109		%
Holmium	165-2				105		%
Indium	115-1				106		%
Indium	115-2				100		%
Iron	54-2	113945.08	113285.54	114479.46	113903.36	0.53	ppb
Iron	56-2	114098.65	113916.34	111398.53	113137.84	1.33	ppb
Iron	57-2	114329.19	112805.20	113592.28	113575.56	0.67	ppb
Krypton	83-1						cps
Lead	206-1	183.76	188.42	189.95	187.38	1.72	ppb

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-16	Instrumnet Name :	P8
Client Sample ID :	MYD4Q1	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:15:13	DataFile Name :	033AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	195.70	203.15	198.60	199.15	1.88	ppb
Lead	208-1	190.18	194.89	192.98	192.68	1.23	ppb
Lithium	6-1				107		%
Magnesium	24-2	17621.57	16977.42	17200.85	17266.61	1.89	ppb
Manganese	55-2	2062.67	2024.16	2080.75	2055.86	1.41	ppb
Molybdenum	94-1	14.54	14.76	14.41	14.57	1.22	ppb
Molybdenum	95-1	1.19	1.19	1.17	1.18	0.87	ppb
Molybdenum	96-1	2.84	2.93	2.86	2.87	1.58	ppb
Molybdenum	97-1	1.17	1.22	1.16	1.18	2.95	ppb
Molybdenum	98-1	1.15	1.16	1.15	1.15	0.77	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	41.66	41.08	41.02	41.25	0.86	ppb
Phosphorus	31-2	2723.03	2735.28	2685.04	2714.45	0.96	ppb
Potassium	39-2	7812.53	7606.73	7583.36	7667.54	1.64	ppb
Rhodium	103-1				103		%
Rhodium	103-2				101		%
Scandium	45-1				114		%
Scandium	45-2				107		%
Selenium	82-1	2.11	1.86	2.08	2.02	6.85	ppb
Selenium	77-2	48.05	38.24	44.93	43.74	11.46	ppb
Selenium	78-2	10.97	11.43	11.45	11.28	2.43	ppb
Silicon	28-1	1693.74	1667.94	1709.39	1690.36	1.24	ppb
Silver	107-1	1.25	1.29	1.28	1.27	1.74	ppb
Silver	109-1	1.19	1.21	1.22	1.21	1.13	ppb
Sodium	23-2	204.23	199.79	199.99	201.34	1.25	ppb
Strontium	86-1	91.54	92.21	91.17	91.64	0.57	ppb
Strontium	88-1	89.69	90.72	87.96	89.46	1.56	ppb
Sulfur	34-1	1363.10	1136.87	1296.95	1265.64	9.19	ppb
Terbium	159-1				108		%
Terbium	159-2				104		%
Thallium	203-1	0.32	0.34	0.32	0.32	3.18	ppb
Thallium	205-1	0.33	0.33	0.33	0.33	0.36	ppb
Tin	118-1	2.13	2.17	2.20	2.16	1.65	ppb
Titanium	47-1	1438.30	1382.60	1417.80	1412.90	1.99	ppb
Uranium	238-1	0.99	1.02	1.02	1.01	1.82	ppb

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-16	Instrumnet Name :	P8
Client Sample ID :	MYD4Q1	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:15:13	DataFile Name :	033AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	200.44	198.81	196.04	198.43	1.12	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				115		%
Yttrium	89-2				112		%
Zinc	66-2	636.65	628.34	630.99	631.99	0.67	ppb
Zirconium	90-1	7.73	7.97	7.90	7.87	1.55	ppb
Zirconium	91-1	7.97	8.20	7.92	8.03	1.89	ppb

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-17	Instrumnet Name :	P8
Client Sample ID :	MYD4Q2	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:18:16	DataFile Name :	034AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	42494.93	42860.53	42112.58	42489.35	0.88	ppb
Antimony	121-1	3.38	3.08	3.09	3.18	5.28	ppb
Arsenic	75-2	139.99	138.73	141.33	140.02	0.93	ppb
Barium	135-1	386.05	337.26	345.06	356.13	7.36	ppb
Barium	137-1	392.63	353.73	346.61	364.32	6.80	ppb
Beryllium	9-1	1.59	1.42	1.43	1.48	6.70	ppb
Bismuth	209-1				97		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Cadmium	108-1	3.11	2.93	2.97	3.00	3.20	ppb
Cadmium	106-1	2.99	2.24	3.24	2.83	18.50	ppb
Cadmium	111-1	1.83	1.66	1.66	1.72	6.00	ppb
Calcium	43-1	17047.29	15650.83	15710.10	16136.07	4.89	ppb
Calcium	44-1	16805.82	15727.20	15581.06	16038.03	4.17	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	47.81	47.69	47.49	47.67	0.34	ppb
Cobalt	59-2	39.97	40.09	39.45	39.84	0.86	ppb
Copper	63-2	209.01	206.66	204.77	206.81	1.03	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				104		%
Indium	115-1				103		%
Indium	115-2				100		%
Iron	54-2	127213.35	125881.45	125647.86	126247.55	0.67	ppb
Iron	56-2	124582.53	126460.20	124784.09	125275.61	0.82	ppb
Iron	57-2	125510.05	128220.59	125995.88	126575.51	1.14	ppb
Krypton	83-1						cps
Lead	206-1	115.09	103.01	104.39	107.50	6.15	ppb

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-17	Instrumnet Name :	P8
Client Sample ID :	MYD4Q2	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:18:16	DataFile Name :	034AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	122.45	105.04	109.47	112.32	8.05	ppb
Lead	208-1	116.48	103.95	105.17	108.53	6.37	ppb
Lithium	6-1				103		%
Magnesium	24-2	15574.64	15725.80	15625.99	15642.14	0.49	ppb
Manganese	55-2	1594.76	1639.36	1618.28	1617.47	1.38	ppb
Molybdenum	94-1	17.94	17.04	16.98	17.32	3.12	ppb
Molybdenum	95-1	1.70	1.63	1.65	1.66	1.99	ppb
Molybdenum	96-1	3.80	3.55	3.56	3.64	3.94	ppb
Molybdenum	97-1	1.72	1.62	1.64	1.66	3.29	ppb
Molybdenum	98-1	1.71	1.58	1.56	1.62	5.01	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	39.89	39.68	39.30	39.63	0.76	ppb
Phosphorus	31-2	2487.16	2506.15	2477.67	2490.32	0.58	ppb
Potassium	39-2	5911.67	5956.68	5826.86	5898.41	1.12	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				111		%
Scandium	45-2				106		%
Selenium	82-1	2.11	1.60	2.01	1.90	14.20	ppb
Selenium	77-2	40.21	43.61	42.80	42.21	4.21	ppb
Selenium	78-2	10.54	10.60	11.90	11.01	6.96	ppb
Silicon	28-1	1542.44	1388.83	1407.32	1446.20	5.80	ppb
Silver	107-1	1.10	0.98	0.97	1.02	7.03	ppb
Silver	109-1	1.00	0.89	0.91	0.93	6.39	ppb
Sodium	23-2	199.88	199.55	198.55	199.33	0.35	ppb
Strontium	86-1	80.18	75.06	74.48	76.57	4.10	ppb
Strontium	88-1	83.42	79.15	78.18	80.25	3.47	ppb
Sulfur	34-1	-114.64	-434.73	-402.98	-317.45		ppb
Terbium	159-1				104		%
Terbium	159-2				103		%
Thallium	203-1	0.30	0.27	0.28	0.28	5.50	ppb
Thallium	205-1	0.31	0.27	0.28	0.29	8.37	ppb
Tin	118-1	2.18	1.96	1.91	2.02	7.21	ppb
Titanium	47-1	1818.86	1670.40	1669.00	1719.42	5.01	ppb
Uranium	238-1	1.14	1.02	1.03	1.07	6.43	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-17	Instrumnet Name :	P8
Client Sample ID :	MYD4Q2	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:18:16	DataFile Name :	034AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	251.25	250.44	245.39	249.03	1.27	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				113		%
Yttrium	89-2				109		%
Zinc	66-2	357.81	359.22	355.45	357.49	0.53	ppb
Zirconium	90-1	9.72	9.01	9.00	9.24	4.45	ppb
Zirconium	91-1	9.82	9.20	9.09	9.37	4.21	ppb

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-18	Instrumnet Name :	P8
Client Sample ID :	MYD4Q3	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:21:18	DataFile Name :	035AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	58919.18	59771.23	59823.47	59504.63	0.85	ppb
Antimony	121-1	2.02	2.01	2.01	2.01	0.15	ppb
Arsenic	75-2	172.17	176.10	173.42	173.90	1.16	ppb
Barium	135-1	392.10	395.97	389.65	392.57	0.81	ppb
Barium	137-1	397.32	395.55	386.30	393.05	1.51	ppb
Beryllium	9-1	1.64	1.64	1.58	1.62	2.08	ppb
Bismuth	209-1				99		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Cadmium	108-1	3.36	3.40	3.41	3.39	0.76	ppb
Cadmium	106-1	3.79	2.94	1.85	2.86	34.03	ppb
Cadmium	111-1	1.88	1.88	1.81	1.86	2.05	ppb
Calcium	43-1	18342.54	18488.25	18607.73	18479.51	0.72	ppb
Calcium	44-1	18070.54	18683.86	18235.89	18330.10	1.73	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	53.92	54.25	53.89	54.02	0.37	ppb
Cobalt	59-2	43.25	43.79	43.31	43.45	0.68	ppb
Copper	63-2	194.28	200.28	195.69	196.75	1.59	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				108		%
Holmium	165-2				103		%
Indium	115-1				104		%
Indium	115-2				98		%
Iron	54-2	132796.58	133760.10	132800.47	133119.05	0.42	ppb
Iron	56-2	133694.59	133679.92	130797.77	132724.09	1.26	ppb
Iron	57-2	132271.07	132977.70	131027.08	132091.95	0.75	ppb
Krypton	83-1						cps
Lead	206-1	125.16	129.24	127.38	127.26	1.61	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-18	Instrumnet Name :	P8
Client Sample ID :	MYD4Q3	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:21:18	DataFile Name :	035AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	133.68	137.49	133.22	134.79	1.74	ppb
Lead	208-1	128.55	132.61	129.48	130.21	1.63	ppb
Lithium	6-1				106		%
Magnesium	24-2	22404.46	22716.08	22474.36	22531.64	0.73	ppb
Manganese	55-2	2101.03	2053.57	2040.63	2065.08	1.54	ppb
Molybdenum	94-1	18.34	18.83	18.20	18.45	1.80	ppb
Molybdenum	95-1	1.09	1.09	1.06	1.08	1.62	ppb
Molybdenum	96-1	3.26	3.25	3.17	3.23	1.50	ppb
Molybdenum	97-1	1.07	1.11	1.07	1.08	2.39	ppb
Molybdenum	98-1	1.08	1.07	1.05	1.07	1.27	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	47.13	48.21	47.40	47.58	1.18	ppb
Phosphorus	31-2	2376.47	2367.98	2335.93	2360.13	0.91	ppb
Potassium	39-2	5943.35	5941.72	5764.15	5883.08	1.75	ppb
Rhodium	103-1				100		%
Rhodium	103-2				99		%
Scandium	45-1				114		%
Scandium	45-2				106		%
Selenium	82-1	2.14	1.91	2.07	2.04	5.74	ppb
Selenium	77-2	53.32	61.99	50.62	55.31	10.74	ppb
Selenium	78-2	13.07	14.19	12.94	13.40	5.15	ppb
Silicon	28-1	1844.54	1855.16	1827.00	1842.23	0.77	ppb
Silver	107-1	0.83	0.86	0.85	0.85	1.90	ppb
Silver	109-1	0.76	0.76	0.76	0.76	0.46	ppb
Sodium	23-2	227.20	231.39	228.71	229.10	0.93	ppb
Strontium	86-1	88.62	88.64	87.47	88.24	0.76	ppb
Strontium	88-1	85.76	87.49	85.35	86.20	1.31	ppb
Sulfur	34-1	-748.23	-686.83	-738.25	-724.44		ppb
Terbium	159-1				107		%
Terbium	159-2				101		%
Thallium	203-1	0.32	0.34	0.32	0.33	3.05	ppb
Thallium	205-1	0.33	0.35	0.34	0.34	3.16	ppb
Tin	118-1	2.45	2.49	2.44	2.46	0.92	ppb
Titanium	47-1	1557.03	1594.38	1559.85	1570.42	1.32	ppb
Uranium	238-1	1.00	1.03	0.99	1.01	1.97	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-18	Instrumnet Name :	P8
Client Sample ID :	MYD4Q3	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:21:18	DataFile Name :	035AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	224.56	229.01	225.86	226.47	1.01	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				115		%
Yttrium	89-2				111		%
Zinc	66-2	477.23	482.45	477.36	479.01	0.62	ppb
Zirconium	90-1	10.23	10.29	10.15	10.22	0.71	ppb
Zirconium	91-1	10.47	10.35	10.17	10.33	1.45	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-19	Instrumnet Name :	P8
Client Sample ID :	MYD4Q4	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:24:22	DataFile Name :	036AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	24097.73	24188.93	24156.69	24147.78	0.19	ppb
Antimony	121-1	3.06	3.10	3.10	3.09	0.77	ppb
Arsenic	75-2	161.16	163.60	165.81	163.52	1.42	ppb
Barium	135-1	169.38	173.14	170.56	171.03	1.12	ppb
Barium	137-1	172.05	175.27	173.55	173.62	0.93	ppb
Beryllium	9-1	0.99	0.96	1.02	0.99	3.03	ppb
Bismuth	209-1				102		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Cadmium	108-1	2.31	2.35	2.40	2.35	1.80	ppb
Cadmium	106-1	-0.20	-0.23	-0.64	-0.36		ppb
Cadmium	111-1	1.65	1.69	1.65	1.66	1.39	ppb
Calcium	43-1	9509.11	9359.78	9188.60	9352.50	1.71	ppb
Calcium	44-1	9127.60	9283.94	9360.88	9257.47	1.28	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	33.12	33.11	33.94	33.39	1.43	ppb
Cobalt	59-2	29.42	29.61	29.65	29.56	0.41	ppb
Copper	63-2	144.01	141.23	146.86	144.03	1.95	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				109		%
Holmium	165-2				104		%
Indium	115-1				107		%
Indium	115-2				98		%
Iron	54-2	86290.05	85775.17	87471.89	86512.37	1.01	ppb
Iron	56-2	86959.48	86475.86	87497.13	86977.49	0.59	ppb
Iron	57-2	85821.10	85984.05	87253.85	86353.00	0.91	ppb
Krypton	83-1						cps
Lead	206-1	126.42	123.53	126.89	125.61	1.45	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-19	Instrumnet Name :	P8
Client Sample ID :	MYD4Q4	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:24:22	DataFile Name :	036AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	132.94	135.61	134.81	134.45	1.02	ppb
Lead	208-1	127.88	128.24	127.80	127.98	0.19	ppb
Lithium	6-1				105		%
Magnesium	24-2	9775.08	9836.76	9785.21	9799.02	0.34	ppb
Manganese	55-2	1015.64	1003.22	1038.83	1019.23	1.77	ppb
Molybdenum	94-1	12.49	12.34	12.49	12.44	0.68	ppb
Molybdenum	95-1	1.16	1.18	1.16	1.17	0.99	ppb
Molybdenum	96-1	2.56	2.59	2.55	2.57	0.85	ppb
Molybdenum	97-1	1.16	1.17	1.16	1.16	0.55	ppb
Molybdenum	98-1	1.16	1.12	1.14	1.14	1.61	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	27.82	27.99	28.54	28.12	1.33	ppb
Phosphorus	31-2	2020.47	1940.17	1932.01	1964.22	2.49	ppb
Potassium	39-2	4970.36	4932.81	5032.57	4978.58	1.01	ppb
Rhodium	103-1				104		%
Rhodium	103-2				101		%
Scandium	45-1				111		%
Scandium	45-2				101		%
Selenium	82-1	1.38	1.60	1.34	1.44	9.85	ppb
Selenium	77-2	38.20	28.56	33.13	33.30	14.48	ppb
Selenium	78-2	7.02	8.13	8.14	7.76	8.34	ppb
Silicon	28-1	1130.46	1160.12	1156.18	1148.92	1.40	ppb
Silver	107-1	0.63	0.64	0.63	0.63	1.22	ppb
Silver	109-1	0.60	0.59	0.60	0.60	0.79	ppb
Sodium	23-2	173.26	175.50	174.09	174.28	0.65	ppb
Strontium	86-1	52.22	52.44	52.52	52.39	0.29	ppb
Strontium	88-1	55.03	54.52	54.04	54.53	0.90	ppb
Sulfur	34-1	-645.87	-594.59	-590.95	-610.47		ppb
Terbium	159-1				109		%
Terbium	159-2				103		%
Thallium	203-1	0.24	0.22	0.24	0.24	4.26	ppb
Thallium	205-1	0.24	0.24	0.24	0.24	0.89	ppb
Tin	118-1	1.86	1.88	1.86	1.86	0.54	ppb
Titanium	47-1	1552.19	1573.81	1583.17	1569.72	1.01	ppb
Uranium	238-1	0.91	0.89	0.89	0.90	1.20	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-19	Instrumnet Name :	P8
Client Sample ID :	MYD4Q4	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:24:22	DataFile Name :	036AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	156.68	156.11	158.76	157.18	0.89	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				113		%
Yttrium	89-2				106		%
Zinc	66-2	375.14	373.42	380.55	376.37	0.99	ppb
Zirconium	90-1	6.63	6.66	6.61	6.63	0.40	ppb
Zirconium	91-1	6.69	6.73	6.74	6.72	0.38	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-20	Instrumnet Name :	P8
Client Sample ID :	MYD4Q5	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:27:24	DataFile Name :	037AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	46239.25	46550.46	45908.13	46232.61	0.69	ppb
Antimony	121-1	1.01	1.04	1.04	1.03	1.60	ppb
Arsenic	75-2	65.03	66.32	64.45	65.26	1.47	ppb
Barium	135-1	358.16	369.81	358.42	362.13	1.84	ppb
Barium	137-1	361.43	364.56	363.43	363.14	0.44	ppb
Beryllium	9-1	1.42	1.46	1.41	1.43	1.50	ppb
Bismuth	209-1				98		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Cadmium	108-1	1.90	1.89	1.98	1.93	2.65	ppb
Cadmium	106-1	0.60	0.57	0.12	0.43	62.88	ppb
Cadmium	111-1	0.51	0.55	0.51	0.52	4.89	ppb
Calcium	43-1	16931.92	16646.60	17208.43	16928.98	1.66	ppb
Calcium	44-1	16892.19	16798.82	17205.08	16965.36	1.25	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	42.83	43.40	43.06	43.10	0.66	ppb
Cobalt	59-2	36.04	35.92	36.03	36.00	0.18	ppb
Copper	63-2	101.78	102.68	102.53	102.33	0.47	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				102		%
Indium	115-1				103		%
Indium	115-2				96		%
Iron	54-2	107437.10	107445.19	107177.94	107353.41	0.14	ppb
Iron	56-2	105569.82	106284.30	106369.36	106074.49	0.41	ppb
Iron	57-2	107288.56	106024.47	107302.98	106872.00	0.69	ppb
Krypton	83-1						cps
Lead	206-1	37.08	37.06	37.08	37.07	0.03	ppb

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-20	Instrumnet Name :	P8
Client Sample ID :	MYD4Q5	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:27:24	DataFile Name :	037AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	37.46	37.88	37.98	37.77	0.72	ppb
Lead	208-1	38.05	37.50	37.89	37.81	0.75	ppb
Lithium	6-1				104		%
Magnesium	24-2	19826.65	20292.62	20192.28	20103.85	1.22	ppb
Manganese	55-2	1659.48	1671.17	1671.38	1667.34	0.41	ppb
Molybdenum	94-1	15.67	15.63	15.59	15.63	0.26	ppb
Molybdenum	95-1	0.86	0.87	0.87	0.87	0.49	ppb
Molybdenum	96-1	2.71	2.64	2.69	2.68	1.39	ppb
Molybdenum	97-1	0.86	0.87	0.88	0.87	1.14	ppb
Molybdenum	98-1	0.85	0.83	0.85	0.84	1.11	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	41.21	41.48	42.04	41.58	1.01	ppb
Phosphorus	31-2	2138.72	2097.71	2039.61	2092.01	2.38	ppb
Potassium	39-2	4619.38	4599.54	4591.44	4603.45	0.31	ppb
Rhodium	103-1				101		%
Rhodium	103-2				96		%
Scandium	45-1				110		%
Scandium	45-2				100		%
Selenium	82-1	1.14	1.12	0.85	1.04	15.53	ppb
Selenium	77-2	47.48	48.83	43.52	46.61	5.92	ppb
Selenium	78-2	11.00	12.17	10.97	11.38	6.00	ppb
Silicon	28-1	1697.11	1687.73	1738.76	1707.87	1.59	ppb
Silver	107-1	0.26	0.26	0.25	0.26	1.33	ppb
Silver	109-1	0.16	0.16	0.16	0.16	2.79	ppb
Sodium	23-2	251.86	254.94	250.94	252.58	0.83	ppb
Strontium	86-1	75.82	75.53	75.31	75.55	0.34	ppb
Strontium	88-1	79.45	79.65	78.76	79.29	0.59	ppb
Sulfur	34-1	-812.49	-782.01	-725.91	-773.47		ppb
Terbium	159-1				106		%
Terbium	159-2				101		%
Thallium	203-1	0.23	0.24	0.25	0.24	2.57	ppb
Thallium	205-1	0.24	0.25	0.25	0.25	1.34	ppb
Tin	118-1	1.56	1.56	1.60	1.57	1.48	ppb
Titanium	47-1	1108.05	1114.58	1145.50	1122.71	1.78	ppb
Uranium	238-1	0.87	0.88	0.89	0.88	0.79	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-20	Instrumnet Name :	P8
Client Sample ID :	MYD4Q5	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:27:24	DataFile Name :	037AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	177.49	178.49	175.79	177.25	0.77	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				113		%
Yttrium	89-2				105		%
Zinc	66-2	216.58	218.34	214.75	216.56	0.83	ppb
Zirconium	90-1	8.66	8.63	8.64	8.64	0.16	ppb
Zirconium	91-1	8.71	8.66	8.69	8.69	0.28	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-21	Instrumnet Name :	P8
Client Sample ID :	MYD4Q6	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:30:30	DataFile Name :	038AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	62895.61	63697.96	62931.12	63174.90	0.72	ppb
Antimony	121-1	1.56	1.61	1.60	1.59	1.53	ppb
Arsenic	75-2	106.02	105.89	107.76	106.56	0.98	ppb
Barium	135-1	417.40	430.95	420.44	422.93	1.68	ppb
Barium	137-1	429.28	430.00	427.74	429.01	0.27	ppb
Beryllium	9-1	1.71	1.71	1.68	1.70	1.12	ppb
Bismuth	209-1				98		%
Bismuth	209-2				96		%
Bromine	81-1						cps
Cadmium	108-1	3.29	3.15	3.10	3.18	2.97	ppb
Cadmium	106-1	3.43	3.20	2.99	3.21	6.73	ppb
Cadmium	111-1	1.00	1.01	1.02	1.01	1.33	ppb
Calcium	43-1	18902.28	18947.83	18647.62	18832.58	0.86	ppb
Calcium	44-1	18905.22	18757.46	18709.10	18790.60	0.54	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	52.57	52.73	52.98	52.76	0.39	ppb
Cobalt	59-2	37.97	38.27	38.43	38.22	0.61	ppb
Copper	63-2	153.46	152.35	152.43	152.74	0.41	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				101		%
Indium	115-1				101		%
Indium	115-2				95		%
Iron	54-2	121724.59	122224.06	124180.98	122709.88	1.06	ppb
Iron	56-2	119938.76	120941.21	122099.94	120993.30	0.89	ppb
Iron	57-2	118019.90	119825.42	119101.70	118982.34	0.76	ppb
Krypton	83-1						cps
Lead	206-1	67.91	68.64	67.54	68.03	0.82	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-21	Instrumnet Name :	P8
Client Sample ID :	MYD4Q6	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:30:30	DataFile Name :	038AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	70.25	68.71	69.11	69.36	1.15	ppb
Lead	208-1	68.33	67.78	68.13	68.08	0.41	ppb
Lithium	6-1				100		%
Magnesium	24-2	21083.57	21197.75	21185.09	21155.47	0.30	ppb
Manganese	55-2	1793.38	1818.45	1806.80	1806.21	0.69	ppb
Molybdenum	94-1	25.09	25.27	25.32	25.23	0.49	ppb
Molybdenum	95-1	0.91	0.93	0.94	0.93	1.21	ppb
Molybdenum	96-1	3.72	3.83	3.81	3.79	1.57	ppb
Molybdenum	97-1	0.90	0.94	0.95	0.93	2.96	ppb
Molybdenum	98-1	0.89	0.92	0.91	0.91	1.35	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	43.45	43.60	43.89	43.65	0.51	ppb
Phosphorus	31-2	1777.01	1773.49	1769.28	1773.26	0.22	ppb
Potassium	39-2	4483.25	4535.06	4590.91	4536.41	1.19	ppb
Rhodium	103-1				98		%
Rhodium	103-2				95		%
Scandium	45-1				109		%
Scandium	45-2				101		%
Selenium	82-1	1.80	2.20	2.10	2.03	10.06	ppb
Selenium	77-2	55.84	52.96	61.90	56.90	8.02	ppb
Selenium	78-2	11.88	13.24	12.25	12.46	5.63	ppb
Silicon	28-1	1565.02	1511.15	1508.38	1528.18	2.09	ppb
Silver	107-1	0.67	0.68	0.68	0.68	0.96	ppb
Silver	109-1	0.57	0.58	0.57	0.57	1.05	ppb
Sodium	23-2	185.02	187.61	187.17	186.60	0.74	ppb
Strontium	86-1	91.57	91.67	89.88	91.04	1.10	ppb
Strontium	88-1	88.70	90.84	89.10	89.55	1.27	ppb
Sulfur	34-1	-603.79	-677.75	-718.79	-666.77		ppb
Terbium	159-1				105		%
Terbium	159-2				99		%
Thallium	203-1	0.26	0.27	0.25	0.26	2.23	ppb
Thallium	205-1	0.28	0.26	0.26	0.27	3.50	ppb
Tin	118-1	1.84	1.87	1.86	1.86	0.71	ppb
Titanium	47-1	1378.54	1367.96	1355.29	1367.26	0.85	ppb
Uranium	238-1	1.03	1.06	1.05	1.05	1.01	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-21	Instrumnet Name :	P8
Client Sample ID :	MYD4Q6	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:30:30	DataFile Name :	038AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	204.79	200.17	203.63	202.86	1.19	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				111		%
Yttrium	89-2				108		%
Zinc	66-2	281.82	284.93	284.23	283.66	0.58	ppb
Zirconium	90-1	13.92	14.37	14.16	14.15	1.59	ppb
Zirconium	91-1	13.99	14.34	14.22	14.18	1.26	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-22	Instrumnet Name :	P8
Client Sample ID :	MYD4Q7	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:33:32	DataFile Name :	039AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	31338.50	31334.57	31003.92	31225.66	0.62	ppb
Antimony	121-1	3.12	3.17	3.17	3.15	0.97	ppb
Arsenic	75-2	140.62	140.02	146.80	142.48	2.64	ppb
Barium	135-1	251.18	252.97	254.85	253.00	0.73	ppb
Barium	137-1	255.41	250.11	255.26	253.59	1.19	ppb
Beryllium	9-1	1.19	1.20	1.20	1.20	0.31	ppb
Bismuth	209-1				100		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Cadmium	108-1	3.58	3.60	3.63	3.60	0.62	ppb
Cadmium	106-1	1.61	1.71	0.87	1.40	32.97	ppb
Cadmium	111-1	2.57	2.65	2.62	2.62	1.58	ppb
Calcium	43-1	12644.63	12518.62	13046.91	12736.72	2.17	ppb
Calcium	44-1	12815.62	12683.98	12697.05	12732.22	0.57	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	44.73	44.74	44.41	44.63	0.41	ppb
Cobalt	59-2	37.88	37.92	37.73	37.84	0.27	ppb
Copper	63-2	241.52	244.28	246.89	244.23	1.10	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				102		%
Indium	115-1				102		%
Indium	115-2				96		%
Iron	54-2	107987.66	107644.99	107008.58	107547.08	0.46	ppb
Iron	56-2	106355.02	109148.92	106572.50	107358.81	1.45	ppb
Iron	57-2	107979.25	106772.20	106656.17	107135.87	0.68	ppb
Krypton	83-1						cps
Lead	206-1	132.55	130.44	129.90	130.96	1.07	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-22	Instrumnet Name :	P8
Client Sample ID :	MYD4Q7	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:33:32	DataFile Name :	039AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	139.37	134.84	136.95	137.05	1.65	ppb
Lead	208-1	133.83	130.82	132.77	132.47	1.15	ppb
Lithium	6-1				99		%
Magnesium	24-2	12770.76	12634.74	12522.17	12642.56	0.98	ppb
Manganese	55-2	1680.67	1711.05	1681.18	1690.97	1.03	ppb
Molybdenum	94-1	16.29	16.22	16.48	16.33	0.82	ppb
Molybdenum	95-1	1.38	1.39	1.42	1.40	1.58	ppb
Molybdenum	96-1	3.21	3.23	3.26	3.23	0.76	ppb
Molybdenum	97-1	1.39	1.40	1.42	1.40	1.17	ppb
Molybdenum	98-1	1.39	1.37	1.40	1.38	1.07	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	36.06	35.64	35.47	35.72	0.84	ppb
Phosphorus	31-2	2742.15	2776.49	2681.04	2733.22	1.77	ppb
Potassium	39-2	6970.23	7009.11	6886.02	6955.12	0.90	ppb
Rhodium	103-1				99		%
Rhodium	103-2				98		%
Scandium	45-1				106		%
Scandium	45-2				97		%
Selenium	82-1	1.32	1.60	1.61	1.51	11.02	ppb
Selenium	77-2	43.53	39.34	44.62	42.49	6.56	ppb
Selenium	78-2	9.24	9.54	9.87	9.55	3.31	ppb
Silicon	28-1	1235.61	1189.30	1232.97	1219.29	2.13	ppb
Silver	107-1	0.80	0.81	0.80	0.80	0.94	ppb
Silver	109-1	0.74	0.74	0.75	0.74	0.69	ppb
Sodium	23-2	183.27	184.63	180.23	182.71	1.23	ppb
Strontium	86-1	70.10	70.40	70.39	70.30	0.25	ppb
Strontium	88-1	72.74	73.59	73.14	73.16	0.59	ppb
Sulfur	34-1	-726.75	-754.02	-659.78	-713.51		ppb
Terbium	159-1				105		%
Terbium	159-2				100		%
Thallium	203-1	0.29	0.30	0.29	0.30	2.15	ppb
Thallium	205-1	0.31	0.30	0.30	0.30	1.19	ppb
Tin	118-1	1.90	1.95	2.02	1.96	2.98	ppb
Titanium	47-1	1954.65	1935.12	1992.20	1960.66	1.48	ppb
Uranium	238-1	1.10	1.13	1.14	1.12	1.58	ppb

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-22	Instrumnet Name :	P8
Client Sample ID :	MYD4Q7	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:33:32	DataFile Name :	039AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	198.87	201.60	201.84	200.77	0.82	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				110		%
Yttrium	89-2				103		%
Zinc	66-2	430.08	425.34	426.35	427.26	0.58	ppb
Zirconium	90-1	8.75	8.74	8.80	8.76	0.38	ppb
Zirconium	91-1	8.81	8.79	8.86	8.82	0.38	ppb

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	PB163711BL	Instrumnet Name :	P8
Client Sample ID :	PBW711	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:36:38	DataFile Name :	040CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4.28	3.29	3.71	3.76	13.19	ppb
Antimony	121-1	0.00	0.00	0.01	0.00	34.81	ppb
Arsenic	75-2	0.00	0.01	0.01	0.01	91.96	ppb
Barium	135-1	0.02	0.01	0.01	0.01	58.34	ppb
Barium	137-1	0.01	0.00	0.00	0.00	320.73	ppb
Beryllium	9-1	0.00	0.00	0.00	0.00	32.98	ppb
Bismuth	209-1				104		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Cadmium	108-1	-0.03	0.01	-0.02	-0.01		ppb
Cadmium	106-1	-3.78	-5.61	-6.01	-5.14		ppb
Cadmium	111-1	-0.02	-0.03	-0.03	-0.03		ppb
Calcium	43-1	-1.06	-1.65	-2.00	-1.57		ppb
Calcium	44-1	-0.36	-0.47	-0.57	-0.46		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.01	-0.01	0.00	-0.01		ppb
Cobalt	59-2	0.00	0.00	0.00	0.00		ppb
Copper	63-2	0.41	0.38	0.39	0.39	3.93	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				106		%
Holmium	165-2				103		%
Indium	115-1				105		%
Indium	115-2				101		%
Iron	54-2	1.34	1.43	1.63	1.47	10.20	ppb
Iron	56-2	1.60	1.59	1.66	1.62	2.39	ppb
Iron	57-2	1.42	1.44	1.50	1.45	2.68	ppb
Krypton	83-1						cps
Lead	206-1	0.03	0.02	0.02	0.02	12.14	ppb

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	PB163711BL	Instrumnet Name :	P8
Client Sample ID :	PBW711	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:36:38	DataFile Name :	040CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.03	0.02	0.02	0.02	9.41	ppb
Lead	208-1	0.03	0.02	0.02	0.02	8.66	ppb
Lithium	6-1				98		%
Magnesium	24-2	0.18	0.12	0.18	0.16	21.05	ppb
Manganese	55-2	0.10	0.07	0.06	0.08	26.07	ppb
Molybdenum	94-1	0.01	0.01	0.01	0.01	39.98	ppb
Molybdenum	95-1	0.00	0.00	0.00	0.00	26.58	ppb
Molybdenum	96-1	0.00	0.00	0.00	0.00	39.11	ppb
Molybdenum	97-1	0.00	0.01	0.00	0.00	68.52	ppb
Molybdenum	98-1	0.00	0.00	0.00	0.00	33.83	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.01	0.00	0.00	0.00	335.70	ppb
Phosphorus	31-2	-47.72	-52.03	-49.13	-49.63		ppb
Potassium	39-2	1.11	1.35	1.16	1.21	10.55	ppb
Rhodium	103-1				105		%
Rhodium	103-2				103		%
Scandium	45-1				103		%
Scandium	45-2				97		%
Selenium	82-1	-0.03	-0.06	0.04	-0.01		ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	0.02	-0.05	-0.15	-0.06		ppb
Silicon	28-1	0.33	-0.01	-0.02	0.10	195.33	ppb
Silver	107-1	0.00	0.00	0.00	0.00	64.84	ppb
Silver	109-1	0.00	0.00	0.00	0.00	4.87	ppb
Sodium	23-2	4.87	4.74	4.59	4.73	2.94	ppb
Strontium	86-1	0.00	0.00	-0.01	0.00		ppb
Strontium	88-1	0.00	0.00	0.00	0.00	734.73	ppb
Sulfur	34-1	-794.01	-740.83	-802.93	-779.26		ppb
Terbium	159-1				106		%
Terbium	159-2				103		%
Thallium	203-1	0.02	0.02	0.02	0.02	9.53	ppb
Thallium	205-1	0.02	0.02	0.02	0.02	0.97	ppb
Tin	118-1	-0.02	-0.01	-0.02	-0.02		ppb
Titanium	47-1	0.06	0.03	0.02	0.04	64.73	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 :	LB132751	Operator :	Jaswal
Lab Sample ID :	PB163711BL	Instrumnet Name :	P8
Client Sample ID :	PBW711	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:36:38	DataFile Name :	040CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.01	0.01	0.00	0.00	21.28	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				105		%
Yttrium	89-2				102		%
Zinc	66-2	0.05	-0.04	0.01	0.01	622.09	ppb
Zirconium	90-1	0.00	0.00	0.00	0.00	637.76	ppb
Zirconium	91-1	0.00	0.00	0.01	0.01	94.20	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	PB163711BS	Instrumnet Name :	P8
Client Sample ID :	LCS711	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:46:24	DataFile Name :	043LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	37.85	37.06	37.29	37.40	1.09	ppb
Antimony	121-1	3.47	3.38	3.47	3.44	1.57	ppb
Arsenic	75-2	1.74	2.04	1.94	1.91	8.03	ppb
Barium	135-1	16.45	15.97	16.30	16.24	1.51	ppb
Barium	137-1	16.69	16.26	16.77	16.58	1.67	ppb
Beryllium	9-1	1.54	1.57	1.59	1.57	1.57	ppb
Bismuth	209-1				103		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Cadmium	108-1	1.87	1.84	1.89	1.87	1.48	ppb
Cadmium	106-1	-0.52	-2.60	-2.06	-1.72		ppb
Cadmium	111-1	1.83	1.84	1.85	1.84	0.47	ppb
Calcium	43-1	786.41	773.39	763.46	774.42	1.49	ppb
Calcium	44-1	837.69	833.82	824.16	831.89	0.84	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3.80	3.85	3.84	3.83	0.70	ppb
Cobalt	59-2	1.83	1.81	1.88	1.84	2.11	ppb
Copper	63-2	4.38	4.38	4.39	4.38	0.14	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				103		%
Indium	115-1				103		%
Indium	115-2				102		%
Iron	54-2	391.85	393.88	395.28	393.67	0.44	ppb
Iron	56-2	410.65	408.88	421.01	413.51	1.58	ppb
Iron	57-2	388.46	386.51	393.86	389.61	0.98	ppb
Krypton	83-1						cps
Lead	206-1	1.66	1.62	1.66	1.65	1.58	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	PB163711BS	Instrumnet Name :	P8
Client Sample ID :	LCS711	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:46:24	DataFile Name :	043LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	1.68	1.64	1.71	1.68	1.96	ppb
Lead	208-1	1.66	1.63	1.68	1.65	1.41	ppb
Lithium	6-1				102		%
Magnesium	24-2	956.19	953.17	962.83	957.40	0.52	ppb
Manganese	55-2	2.07	2.03	2.18	2.09	3.54	ppb
Molybdenum	94-1	9.30	9.18	9.31	9.26	0.77	ppb
Molybdenum	95-1	7.72	7.68	7.84	7.75	1.08	ppb
Molybdenum	96-1	7.81	7.76	7.95	7.84	1.25	ppb
Molybdenum	97-1	7.78	7.66	7.86	7.76	1.28	ppb
Molybdenum	98-1	7.61	7.59	7.74	7.65	1.08	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.97	1.92	1.95	1.95	1.14	ppb
Phosphorus	31-2	-42.04	-49.85	-48.60	-46.83		ppb
Potassium	39-2	804.67	807.34	818.48	810.16	0.90	ppb
Rhodium	103-1				105		%
Rhodium	103-2				103		%
Scandium	45-1				105		%
Scandium	45-2				99		%
Selenium	82-1	9.21	8.98	8.79	8.99	2.30	ppb
Selenium	77-2	8.80	11.38	8.67	9.62	15.94	ppb
Selenium	78-2	8.51	9.00	8.58	8.70	3.08	ppb
Silicon	28-1	5.72	5.39	5.31	5.47	3.95	ppb
Silver	107-1	1.73	1.75	1.75	1.74	0.49	ppb
Silver	109-1	1.82	1.81	1.83	1.82	0.71	ppb
Sodium	23-2	924.58	916.06	923.66	921.43	0.51	ppb
Strontium	86-1	1.67	1.66	1.68	1.67	0.57	ppb
Strontium	88-1	1.63	1.63	1.66	1.64	0.99	ppb
Sulfur	34-1	188.66	-242.55	-249.91	-101.27		ppb
Terbium	159-1				106		%
Terbium	159-2				103		%
Thallium	203-1	1.62	1.61	1.61	1.61	0.64	ppb
Thallium	205-1	1.64	1.62	1.64	1.63	0.86	ppb
Tin	118-1	0.01	0.02	0.01	0.02	32.41	ppb
Titanium	47-1	7.91	7.95	7.75	7.87	1.34	ppb
Uranium	238-1	1.52	1.52	1.54	1.53	0.65	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	PB163711BS	Instrumnet Name :	P8
Client Sample ID :	LCS711	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:46:24	DataFile Name :	043LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	8.47	8.56	8.56	8.53	0.64	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				104		%
Yttrium	89-2				103		%
Zinc	66-2	9.45	9.30	9.24	9.33	1.14	ppb
Zirconium	90-1	1.65	1.63	1.67	1.65	1.19	ppb
Zirconium	91-1	1.66	1.61	1.66	1.65	1.65	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	PB163711BSD	Instrumnet Name :	P8
Client Sample ID :	LCSD711	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:49:40	DataFile Name :	044LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19.20	18.44	18.48	18.71	2.30	ppb
Antimony	121-1	1.97	1.96	1.97	1.97	0.18	ppb
Arsenic	75-2	1.00	1.08	1.03	1.03	3.86	ppb
Barium	135-1	9.37	9.26	9.18	9.27	1.01	ppb
Barium	137-1	9.66	9.40	9.39	9.48	1.60	ppb
Beryllium	9-1	0.93	0.89	0.91	0.91	2.31	ppb
Bismuth	209-1				102		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Cadmium	108-1	1.11	0.89	1.04	1.01	11.36	ppb
Cadmium	106-1	-2.08	-1.81	-2.82	-2.24		ppb
Cadmium	111-1	1.03	1.06	0.99	1.03	3.56	ppb
Calcium	43-1	448.48	429.64	446.67	441.60	2.35	ppb
Calcium	44-1	441.72	431.83	434.27	435.94	1.18	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.10	2.15	2.12	2.13	1.12	ppb
Cobalt	59-2	1.05	1.04	1.06	1.05	0.91	ppb
Copper	63-2	2.60	2.56	2.68	2.61	2.27	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				104		%
Indium	115-1				104		%
Indium	115-2				101		%
Iron	54-2	216.35	220.37	216.91	217.88	1.00	ppb
Iron	56-2	222.36	225.79	226.20	224.78	0.94	ppb
Iron	57-2	208.99	212.91	210.62	210.84	0.93	ppb
Krypton	83-1						cps
Lead	206-1	0.95	0.95	0.91	0.94	2.57	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	PB163711BSD	Instrumnet Name :	P8
Client Sample ID :	LCSD711	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:49:40	DataFile Name :	044LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.97	0.96	0.96	0.96	0.74	ppb
Lead	208-1	0.96	0.94	0.93	0.94	1.49	ppb
Lithium	6-1				100		%
Magnesium	24-2	535.00	542.75	539.22	538.99	0.72	ppb
Manganese	55-2	0.97	0.99	1.01	0.99	2.12	ppb
Molybdenum	94-1	5.29	5.27	5.13	5.23	1.67	ppb
Molybdenum	95-1	4.42	4.44	4.29	4.38	1.84	ppb
Molybdenum	96-1	4.41	4.43	4.43	4.42	0.21	ppb
Molybdenum	97-1	4.42	4.46	4.39	4.42	0.84	ppb
Molybdenum	98-1	4.35	4.43	4.28	4.35	1.70	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.09	1.13	1.12	1.11	1.88	ppb
Phosphorus	31-2	-47.65	-47.16	-50.84	-48.55		ppb
Potassium	39-2	453.47	455.23	463.05	457.25	1.12	ppb
Rhodium	103-1				104		%
Rhodium	103-2				103		%
Scandium	45-1				103		%
Scandium	45-2				99		%
Selenium	82-1	5.13	5.27	5.13	5.18	1.60	ppb
Selenium	77-2	6.09	5.00	4.50	5.20	15.64	ppb
Selenium	78-2	4.41	3.97	4.43	4.27	6.15	ppb
Silicon	28-1	2.69	2.01	2.30	2.33	14.79	ppb
Silver	107-1	1.01	0.98	1.00	1.00	1.49	ppb
Silver	109-1	1.05	1.04	1.03	1.04	0.79	ppb
Sodium	23-2	480.74	490.93	488.94	486.87	1.11	ppb
Strontium	86-1	0.95	0.94	0.93	0.94	1.24	ppb
Strontium	88-1	0.94	0.93	0.93	0.93	0.81	ppb
Sulfur	34-1	-186.03	-272.96	-212.45	-223.81		ppb
Terbium	159-1				104		%
Terbium	159-2				102		%
Thallium	203-1	0.93	0.92	0.91	0.92	1.05	ppb
Thallium	205-1	0.93	0.95	0.93	0.94	0.92	ppb
Tin	118-1	0.15	0.09	0.09	0.11	31.77	ppb
Titanium	47-1	4.52	4.37	4.44	4.45	1.66	ppb
Uranium	238-1	0.87	0.88	0.85	0.86	1.80	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	PB163711BSD	Instrumnet Name :	P8
Client Sample ID :	LCSD711	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:49:40	DataFile Name :	044LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	4.78	4.83	4.77	4.79	0.67	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				103		%
Yttrium	89-2				103		%
Zinc	66-2	5.33	5.10	5.21	5.21	2.17	ppb
Zirconium	90-1	0.95	0.95	0.92	0.94	1.85	ppb
Zirconium	91-1	0.92	0.92	0.93	0.92	0.94	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-01	Instrumnet Name :	P8
Client Sample ID :	MYD599	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:52:56	DataFile Name :	045AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4.77	5.09	4.61	4.83	5.07	ppb
Antimony	121-1	0.00	0.01	0.01	0.01	14.69	ppb
Arsenic	75-2	0.02	0.02	0.02	0.02	12.58	ppb
Barium	135-1	0.09	0.08	0.09	0.09	6.65	ppb
Barium	137-1	0.09	0.08	0.08	0.08	5.73	ppb
Beryllium	9-1	0.00	0.00	0.00	0.00	134.02	ppb
Bismuth	209-1				102		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Cadmium	108-1	0.00	0.02	0.03	0.02	72.34	ppb
Cadmium	106-1	-3.75	-3.76	-3.78	-3.76		ppb
Cadmium	111-1	-0.02	-0.02	-0.02	-0.02		ppb
Calcium	43-1	30.81	31.81	30.92	31.18	1.76	ppb
Calcium	44-1	31.99	31.95	32.20	32.04	0.42	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.08	1.15	1.14	1.12	3.69	ppb
Cobalt	59-2	0.01	0.01	0.02	0.01	19.92	ppb
Copper	63-2	0.61	0.58	0.56	0.58	4.03	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				104		%
Indium	115-1				103		%
Indium	115-2				102		%
Iron	54-2	14.65	14.20	13.12	13.99	5.60	ppb
Iron	56-2	13.81	13.55	13.50	13.62	1.23	ppb
Iron	57-2	13.51	13.24	14.00	13.58	2.83	ppb
Krypton	83-1						cps
Lead	206-1	0.10	0.11	0.10	0.10	1.96	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-01	Instrumnet Name :	P8
Client Sample ID :	MYD599	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:52:56	DataFile Name :	045AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.11	0.10	0.10	0.11	3.65	ppb
Lead	208-1	0.11	0.10	0.10	0.10	1.77	ppb
Lithium	6-1				102		%
Magnesium	24-2	10.03	9.95	9.92	9.97	0.57	ppb
Manganese	55-2	3.74	3.72	3.65	3.71	1.20	ppb
Molybdenum	94-1	0.05	0.04	0.06	0.05	11.35	ppb
Molybdenum	95-1	0.04	0.04	0.04	0.04	4.02	ppb
Molybdenum	96-1	0.04	0.04	0.04	0.04	2.17	ppb
Molybdenum	97-1	0.04	0.04	0.04	0.04	7.65	ppb
Molybdenum	98-1	0.04	0.05	0.04	0.04	3.74	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.95	0.95	1.01	0.97	3.69	ppb
Phosphorus	31-2	-46.47	-38.74	-50.41	-45.21		ppb
Potassium	39-2	10.29	9.71	9.63	9.87	3.63	ppb
Rhodium	103-1				104		%
Rhodium	103-2				103		%
Scandium	45-1				104		%
Scandium	45-2				99		%
Selenium	82-1	-0.03	-0.02	0.03	-0.01		ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-0.15	0.12	0.06	0.01	1704.41	ppb
Silicon	28-1	2.18	1.91	2.09	2.06	6.61	ppb
Silver	107-1	0.00	0.00	0.00	0.00	39.41	ppb
Silver	109-1	0.00	0.00	0.00	0.00	12.69	ppb
Sodium	23-2	59.17	59.08	58.66	58.97	0.47	ppb
Strontium	86-1	0.20	0.20	0.20	0.20	0.72	ppb
Strontium	88-1	0.21	0.20	0.21	0.20	0.91	ppb
Sulfur	34-1	-260.49	-258.39	-252.76	-257.22		ppb
Terbium	159-1				104		%
Terbium	159-2				103		%
Thallium	203-1	0.01	0.01	0.01	0.01	22.07	ppb
Thallium	205-1	0.02	0.02	0.01	0.01	24.51	ppb
Tin	118-1	0.14	0.15	0.12	0.14	11.18	ppb
Titanium	47-1	0.12	0.12	0.13	0.12	5.84	ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-01	Instrumnet Name :	P8
Client Sample ID :	MYD599	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:52:56	DataFile Name :	045AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.02	0.02	0.02	0.02	13.79	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				104		%
Yttrium	89-2				103		%
Zinc	66-2	1.36	1.51	1.43	1.43	5.15	ppb
Zirconium	90-1	0.00	0.00	0.00	0.00	639.66	ppb
Zirconium	91-1	0.00	0.00	0.01	0.01	40.41	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	CCV002	Instrumnet Name :	P8
Client Sample ID :	CCV002	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:56:14	DataFile Name :	046CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	49741.84	50769.65	50597.79	50369.76	1.09	ppb
Antimony	121-1	486.95	500.84	497.96	495.25	1.48	ppb
Arsenic	75-2	477.27	482.66	487.86	482.60	1.10	ppb
Barium	135-1	2481.51	2492.21	2513.66	2495.79	0.66	ppb
Barium	137-1	2510.89	2549.40	2554.69	2538.32	0.94	ppb
Beryllium	9-1	487.17	487.54	484.95	486.56	0.29	ppb
Bismuth	209-1				78		%
Bismuth	209-2				79		%
Bromine	81-1						cps
Cadmium	108-1	485.78	489.76	491.07	488.87	0.56	ppb
Cadmium	106-1	484.85	494.38	489.71	489.65	0.97	ppb
Cadmium	111-1	479.25	481.33	488.79	483.13	1.04	ppb
Calcium	43-1	262127.33	261373.22	262398.93	261966.49	0.20	ppb
Calcium	44-1	255329.65	253018.41	258986.85	255778.30	1.18	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	503.95	514.45	515.02	511.14	1.22	ppb
Cobalt	59-2	476.95	495.53	492.02	488.17	2.02	ppb
Copper	63-2	4713.08	4791.78	4737.09	4747.32	0.85	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				92		%
Holmium	165-2				91		%
Indium	115-1				83		%
Indium	115-2				85		%
Iron	54-2	132387.33	134571.91	134684.17	133881.14	0.97	ppb
Iron	56-2	131731.71	135935.93	133327.42	133665.02	1.59	ppb
Iron	57-2	131255.75	135493.60	132889.90	133213.08	1.60	ppb
Krypton	83-1						cps
Lead	206-1	2539.20	2575.84	2606.19	2573.75	1.30	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	CCV002	Instrumnet Name :	P8
Client Sample ID :	CCV002	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:56:14	DataFile Name :	046CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	2545.08	2575.58	2573.81	2564.82	0.67	ppb
Lead	208-1	2540.54	2568.81	2577.96	2562.44	0.76	ppb
Lithium	6-1				85		%
Magnesium	24-2	257627.42	263920.54	261013.59	260853.85	1.21	ppb
Manganese	55-2	4925.15	5088.53	5051.91	5021.86	1.71	ppb
Molybdenum	94-1	5021.98	5091.76	5012.17	5041.97	0.86	ppb
Molybdenum	95-1	5052.55	5085.48	5002.65	5046.89	0.83	ppb
Molybdenum	96-1	4983.75	5036.96	4992.90	5004.54	0.57	ppb
Molybdenum	97-1	5021.22	5058.71	5050.70	5043.54	0.39	ppb
Molybdenum	98-1	4987.79	5039.88	5003.82	5010.50	0.53	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	480.20	488.29	486.93	485.14	0.89	ppb
Phosphorus	31-2	9801.15	10079.52	9847.36	9909.35	1.51	ppb
Potassium	39-2	125307.86	125078.67	124733.86	125040.13	0.23	ppb
Rhodium	103-1				77		%
Rhodium	103-2				79		%
Scandium	45-1				87		%
Scandium	45-2				89		%
Selenium	82-1	480.65	483.90	472.93	479.16	1.18	ppb
Selenium	77-2	472.23	475.06	495.10	480.80	2.59	ppb
Selenium	78-2	469.57	476.25	472.08	472.63	0.71	ppb
Silicon	28-1	607.83	608.17	617.11	611.04	0.86	ppb
Silver	107-1	465.35	479.82	472.83	472.67	1.53	ppb
Silver	109-1	470.63	471.22	481.73	474.53	1.32	ppb
Sodium	23-2	258896.93	264027.90	264269.95	262398.26	1.16	ppb
Strontium	86-1	12629.46	12694.54	12573.08	12632.36	0.48	ppb
Strontium	88-1	12403.27	12618.74	12443.45	12488.48	0.92	ppb
Sulfur	34-1	10437.35	10344.76	10709.72	10497.28	1.81	ppb
Terbium	159-1				90		%
Terbium	159-2				90		%
Thallium	203-1	511.78	513.46	521.26	515.50	0.98	ppb
Thallium	205-1	509.31	515.77	520.56	515.21	1.10	ppb
Tin	118-1	487.76	512.60	504.54	501.64	2.53	ppb
Titanium	47-1	5095.99	5040.52	5117.31	5084.60	0.78	ppb
Uranium	238-1	524.20	527.32	532.69	528.07	0.81	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	CCV002	Instrumnet Name :	P8
Client Sample ID :	CCV002	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:56:14	DataFile Name :	046CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	507.19	513.14	520.78	513.70	1.33	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				89		%
Yttrium	89-2				93		%
Zinc	66-2	4719.20	4810.07	4765.27	4764.84	0.95	ppb
Zirconium	90-1	511.16	514.51	509.05	511.57	0.54	ppb
Zirconium	91-1	505.91	520.36	504.33	510.20	1.73	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	CCB002	Instrumnet Name :	P8
Client Sample ID :	CCB002	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:59:06	DataFile Name :	047CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	6.57	6.36	6.28	6.40	2.34	ppb
Antimony	121-1	0.13	0.18	0.26	0.19	34.65	ppb
Arsenic	75-2	0.02	0.03	0.01	0.02	57.74	ppb
Barium	135-1	0.03	0.03	0.03	0.03	10.88	ppb
Barium	137-1	0.04	0.02	0.02	0.02	53.07	ppb
Beryllium	9-1	0.05	0.04	0.04	0.04	13.54	ppb
Bismuth	209-1				103		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Cadmium	108-1	0.00	0.05	0.06	0.04	94.81	ppb
Cadmium	106-1	-4.07	-4.58	-4.33	-4.33		ppb
Cadmium	111-1	0.00	-0.02	-0.02	-0.01		ppb
Calcium	43-1	2.12	0.54	-0.23	0.81	148.47	ppb
Calcium	44-1	2.89	2.09	0.90	1.96	51.23	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		ppb
Cobalt	59-2	0.00	0.00	0.00	0.00	58.59	ppb
Copper	63-2	0.66	0.63	0.66	0.65	2.70	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				103		%
Holmium	165-2				104		%
Indium	115-1				103		%
Indium	115-2				103		%
Iron	54-2	1.32	0.89	1.23	1.15	19.68	ppb
Iron	56-2	1.01	1.18	1.18	1.12	8.87	ppb
Iron	57-2	1.27	1.18	0.83	1.09	21.45	ppb
Krypton	83-1						cps
Lead	206-1	0.09	0.08	0.07	0.08	14.83	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	CCB002	Instrumnet Name :	P8
Client Sample ID :	CCB002	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:59:06	DataFile Name :	047CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.12	0.08	0.06	0.08	34.23	ppb
Lead	208-1	0.10	0.08	0.07	0.08	23.71	ppb
Lithium	6-1				100		%
Magnesium	24-2	1.87	1.35	1.50	1.57	16.88	ppb
Manganese	55-2	0.05	0.05	0.04	0.05	5.91	ppb
Molybdenum	94-1	0.26	0.23	0.24	0.24	6.86	ppb
Molybdenum	95-1	0.17	0.15	0.18	0.17	10.25	ppb
Molybdenum	96-1	0.16	0.16	0.17	0.16	5.25	ppb
Molybdenum	97-1	0.15	0.15	0.17	0.15	6.45	ppb
Molybdenum	98-1	0.18	0.15	0.16	0.16	10.85	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.00	0.01	-0.01	0.00		ppb
Phosphorus	31-2	-57.74	-53.33	-49.53	-53.53		ppb
Potassium	39-2	9.15	9.39	8.73	9.09	3.63	ppb
Rhodium	103-1				102		%
Rhodium	103-2				104		%
Scandium	45-1				102		%
Scandium	45-2				98		%
Selenium	82-1	0.10	0.12	0.08	0.10	21.35	ppb
Selenium	77-2	0.00	0.18	0.00	0.06	173.21	ppb
Selenium	78-2	-0.05	-0.04	-0.05	-0.05		ppb
Silicon	28-1	0.43	0.19	-0.07	0.18	134.08	ppb
Silver	107-1	0.02	0.02	0.01	0.02	20.60	ppb
Silver	109-1	0.02	0.02	0.02	0.02	24.51	ppb
Sodium	23-2	20.81	20.32	18.91	20.01	4.93	ppb
Strontium	86-1	0.22	0.14	0.10	0.15	38.39	ppb
Strontium	88-1	0.22	0.13	0.10	0.15	41.85	ppb
Sulfur	34-1	-429.36	-416.39	-376.04	-407.26		ppb
Terbium	159-1				104		%
Terbium	159-2				103		%
Thallium	203-1	0.05	0.05	0.05	0.05	4.96	ppb
Thallium	205-1	0.06	0.05	0.05	0.05	13.84	ppb
Tin	118-1	0.00	0.00	0.00	0.00	365.98	ppb
Titanium	47-1	0.11	0.07	0.05	0.08	37.78	ppb
Uranium	238-1	0.01	0.00	0.00	0.00	25.80	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	CCB002	Instrumnet Name :	P8
Client Sample ID :	CCB002	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:59:06	DataFile Name :	047CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.00	0.01	0.00	0.00	34.92	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				102		%
Yttrium	89-2				103		%
Zinc	66-2	0.11	0.11	0.07	0.09	24.01	ppb
Zirconium	90-1	0.06	0.06	0.06	0.06	2.30	ppb
Zirconium	91-1	0.06	0.06	0.06	0.06	5.24	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-02	Instrumnet Name :	P8
Client Sample ID :	MYD5W7	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:02:25	DataFile Name :	048AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9.58	9.59	9.46	9.54	0.75	ppb
Antimony	121-1	0.03	0.04	0.06	0.04	43.37	ppb
Arsenic	75-2	0.01	0.03	0.04	0.03	46.70	ppb
Barium	135-1	0.10	0.09	0.11	0.10	8.86	ppb
Barium	137-1	0.10	0.11	0.10	0.10	7.01	ppb
Beryllium	9-1	0.02	0.02	0.02	0.02	3.53	ppb
Bismuth	209-1				104		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Cadmium	108-1	0.00	0.00	0.03	0.01	163.13	ppb
Cadmium	106-1	-3.31	-3.68	-3.55	-3.51		ppb
Cadmium	111-1	-0.01	-0.02	-0.02	-0.02		ppb
Calcium	43-1	15.16	15.54	15.63	15.44	1.61	ppb
Calcium	44-1	16.99	17.80	17.27	17.35	2.36	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.64	0.61	0.62	0.62	2.26	ppb
Cobalt	59-2	0.01	0.01	0.01	0.01	15.99	ppb
Copper	63-2	0.68	0.67	0.69	0.68	1.13	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				104		%
Indium	115-1				104		%
Indium	115-2				103		%
Iron	54-2	13.25	13.51	13.60	13.45	1.35	ppb
Iron	56-2	13.10	12.81	12.97	12.96	1.10	ppb
Iron	57-2	13.13	11.41	12.43	12.33	7.04	ppb
Krypton	83-1						cps
Lead	206-1	0.09	0.09	0.09	0.09	1.27	ppb

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-02	Instrumnet Name :	P8
Client Sample ID :	MYD5W7	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:02:25	DataFile Name :	048AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.09	0.09	0.09	0.09	0.62	ppb
Lead	208-1	0.09	0.09	0.09	0.09	2.17	ppb
Lithium	6-1				103		%
Magnesium	24-2	3.08	3.33	3.00	3.14	5.42	ppb
Manganese	55-2	2.79	2.67	2.79	2.75	2.52	ppb
Molybdenum	94-1	0.07	0.06	0.07	0.07	8.67	ppb
Molybdenum	95-1	0.05	0.05	0.06	0.05	9.60	ppb
Molybdenum	96-1	0.05	0.05	0.06	0.05	6.48	ppb
Molybdenum	97-1	0.04	0.05	0.06	0.05	14.56	ppb
Molybdenum	98-1	0.06	0.05	0.05	0.05	4.76	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.48	0.48	0.51	0.49	3.77	ppb
Phosphorus	31-2	-51.42	-44.79	-59.07	-51.76		ppb
Potassium	39-2	16.13	16.04	16.76	16.31	2.40	ppb
Rhodium	103-1				103		%
Rhodium	103-2				103		%
Scandium	45-1				103		%
Scandium	45-2				99		%
Selenium	82-1	0.04	0.00	-0.15	-0.04		ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-0.05	0.06	-0.10	-0.03		ppb
Silicon	28-1	1.26	1.52	1.35	1.38	9.82	ppb
Silver	107-1	0.00	0.00	0.00	0.00	35.05	ppb
Silver	109-1	0.01	0.00	0.00	0.00	54.85	ppb
Sodium	23-2	20.97	20.52	20.65	20.71	1.11	ppb
Strontium	86-1	0.06	0.04	0.06	0.05	20.49	ppb
Strontium	88-1	0.05	0.04	0.04	0.04	7.50	ppb
Sulfur	34-1	-336.98	-260.48	-255.87	-284.44		ppb
Terbium	159-1				104		%
Terbium	159-2				104		%
Thallium	203-1	0.03	0.02	0.02	0.02	19.52	ppb
Thallium	205-1	0.03	0.02	0.02	0.02	11.75	ppb
Tin	118-1	0.19	0.17	0.15	0.17	13.15	ppb
Titanium	47-1	0.18	0.19	0.59	0.32	73.66	ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-02	Instrumnet Name :	P8
Client Sample ID :	MYD5W7	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:02:25	DataFile Name :	048AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.02	0.02	0.02	0.02	16.74	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				102		%
Yttrium	89-2				104		%
Zinc	66-2	1.00	1.30	1.18	1.16	13.00	ppb
Zirconium	90-1	0.01	0.01	0.02	0.01	10.73	ppb
Zirconium	91-1	0.01	0.01	0.01	0.01	20.06	ppb

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-03	Instrumnet Name :	P8
Client Sample ID :	MYD5W8	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:05:41	DataFile Name :	049AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	6.87	6.66	6.36	6.63	3.91	ppb
Antimony	121-1	0.02	0.02	0.03	0.02	29.30	ppb
Arsenic	75-2	0.03	0.02	0.06	0.04	52.42	ppb
Barium	135-1	0.14	0.14	0.14	0.14	1.40	ppb
Barium	137-1	0.16	0.15	0.15	0.15	2.86	ppb
Beryllium	9-1	0.01	0.01	0.01	0.01	5.20	ppb
Bismuth	209-1				102		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Cadmium	108-1	0.00	0.03	0.03	0.02	87.32	ppb
Cadmium	106-1	-3.54	-3.79	-3.90	-3.74		ppb
Cadmium	111-1	-0.01	-0.02	-0.02	-0.02		ppb
Calcium	43-1	19.62	18.14	17.56	18.44	5.76	ppb
Calcium	44-1	19.20	19.32	18.47	19.00	2.43	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.65	0.62	0.60	0.62	4.27	ppb
Cobalt	59-2	0.02	0.02	0.02	0.02	4.73	ppb
Copper	63-2	0.63	0.61	0.59	0.61	3.06	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				105		%
Holmium	165-2				103		%
Indium	115-1				103		%
Indium	115-2				102		%
Iron	54-2	15.40	16.01	15.80	15.74	1.97	ppb
Iron	56-2	15.00	14.81	14.95	14.92	0.63	ppb
Iron	57-2	15.38	14.42	14.30	14.70	4.03	ppb
Krypton	83-1						cps
Lead	206-1	0.31	0.32	0.30	0.31	4.16	ppb

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-03	Instrumnet Name :	P8
Client Sample ID :	MYD5W8	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:05:41	DataFile Name :	049AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.31	0.32	0.30	0.31	2.55	ppb
Lead	208-1	0.31	0.31	0.30	0.31	2.44	ppb
Lithium	6-1				103		%
Magnesium	24-2	4.37	4.20	4.24	4.27	2.06	ppb
Manganese	55-2	2.87	2.75	2.80	2.80	2.10	ppb
Molybdenum	94-1	0.05	0.06	0.07	0.06	16.07	ppb
Molybdenum	95-1	0.04	0.04	0.04	0.04	7.96	ppb
Molybdenum	96-1	0.04	0.04	0.04	0.04	1.98	ppb
Molybdenum	97-1	0.05	0.05	0.05	0.05	0.67	ppb
Molybdenum	98-1	0.04	0.04	0.04	0.04	12.02	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.67	0.65	0.68	0.67	2.18	ppb
Phosphorus	31-2	-54.71	-60.57	-51.20	-55.49		ppb
Potassium	39-2	20.81	21.30	20.64	20.92	1.63	ppb
Rhodium	103-1				103		%
Rhodium	103-2				103		%
Scandium	45-1				103		%
Scandium	45-2				99		%
Selenium	82-1	-0.02	0.19	0.07	0.08	126.42	ppb
Selenium	77-2	0.71	0.18	0.00	0.30	124.46	ppb
Selenium	78-2	-0.15	-0.10	-0.15	-0.13		ppb
Silicon	28-1	1.73	2.11	1.90	1.91	9.77	ppb
Silver	107-1	0.00	0.00	0.00	0.00	37.41	ppb
Silver	109-1	0.00	0.00	0.00	0.00	5.64	ppb
Sodium	23-2	42.81	42.51	41.31	42.21	1.87	ppb
Strontium	86-1	0.06	0.07	0.05	0.06	14.61	ppb
Strontium	88-1	0.07	0.07	0.07	0.07	4.52	ppb
Sulfur	34-1	-291.70	-233.11	-285.39	-270.07		ppb
Terbium	159-1				104		%
Terbium	159-2				103		%
Thallium	203-1	0.02	0.01	0.01	0.01	14.64	ppb
Thallium	205-1	0.02	0.01	0.01	0.01	14.43	ppb
Tin	118-1	0.22	0.20	0.18	0.20	8.07	ppb
Titanium	47-1	0.17	0.17	0.19	0.18	6.74	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 :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-03	Instrumnet Name :	P8
Client Sample ID :	MYD5W8	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:05:41	DataFile Name :	049AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.02	0.02	0.02	0.02	7.11	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				102		%
Yttrium	89-2				103		%
Zinc	66-2	1.60	1.52	1.68	1.60	4.90	ppb
Zirconium	90-1	0.01	0.01	0.02	0.01	27.84	ppb
Zirconium	91-1	0.01	0.01	0.02	0.01	50.72	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-04	Instrumnet Name :	P8
Client Sample ID :	MYD5W9	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:08:59	DataFile Name :	050AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4.58	4.30	4.47	4.45	3.18	ppb
Antimony	121-1	0.01	0.01	0.02	0.01	29.39	ppb
Arsenic	75-2	0.01	0.02	0.01	0.01	30.57	ppb
Barium	135-1	0.05	0.05	0.05	0.05	7.94	ppb
Barium	137-1	0.06	0.06	0.06	0.06	2.88	ppb
Beryllium	9-1	0.01	0.01	0.01	0.01	3.14	ppb
Bismuth	209-1				102		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Cadmium	108-1	0.00	0.09	0.02	0.04	125.25	ppb
Cadmium	106-1	-3.53	-2.82	-3.38	-3.25		ppb
Cadmium	111-1	0.01	0.01	0.00	0.01	37.49	ppb
Calcium	43-1	22.75	24.04	22.48	23.09	3.60	ppb
Calcium	44-1	23.70	23.63	23.67	23.67	0.16	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.74	0.75	0.75	0.75	1.37	ppb
Cobalt	59-2	0.01	0.01	0.01	0.01	18.65	ppb
Copper	63-2	0.70	0.70	0.70	0.70	0.39	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				103		%
Indium	115-1				103		%
Indium	115-2				102		%
Iron	54-2	12.01	13.03	12.27	12.44	4.23	ppb
Iron	56-2	12.00	12.09	12.00	12.03	0.45	ppb
Iron	57-2	12.23	12.37	12.16	12.25	0.88	ppb
Krypton	83-1						cps
Lead	206-1	0.17	0.17	0.17	0.17	1.89	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-04	Instrumnet Name :	P8
Client Sample ID :	MYD5W9	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:08:59	DataFile Name :	050AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.17	0.18	0.18	0.17	2.84	ppb
Lead	208-1	0.17	0.18	0.17	0.17	1.65	ppb
Lithium	6-1				103		%
Magnesium	24-2	3.52	3.82	3.80	3.71	4.57	ppb
Manganese	55-2	4.53	4.45	4.41	4.46	1.37	ppb
Molybdenum	94-1	0.05	0.05	0.06	0.05	11.56	ppb
Molybdenum	95-1	0.04	0.04	0.04	0.04	3.95	ppb
Molybdenum	96-1	0.04	0.04	0.04	0.04	3.87	ppb
Molybdenum	97-1	0.03	0.04	0.04	0.04	9.55	ppb
Molybdenum	98-1	0.04	0.04	0.04	0.04	3.98	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.95	0.92	0.93	0.93	1.52	ppb
Phosphorus	31-2	-50.08	-47.48	-47.67	-48.41		ppb
Potassium	39-2	11.70	12.17	11.17	11.68	4.25	ppb
Rhodium	103-1				102		%
Rhodium	103-2				103		%
Scandium	45-1				103		%
Scandium	45-2				100		%
Selenium	82-1	-0.01	0.04	0.01	0.02	166.69	ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-0.21	0.38	-0.05	0.04	748.68	ppb
Silicon	28-1	1.08	1.49	1.27	1.28	16.15	ppb
Silver	107-1	0.00	0.00	0.00	0.00	36.07	ppb
Silver	109-1	0.00	0.00	0.00	0.00	16.48	ppb
Sodium	23-2	33.35	32.20	32.57	32.71	1.80	ppb
Strontium	86-1	0.07	0.07	0.06	0.07	12.35	ppb
Strontium	88-1	0.07	0.07	0.07	0.07	2.56	ppb
Sulfur	34-1	-211.15	-222.16	-211.44	-214.92		ppb
Terbium	159-1				103		%
Terbium	159-2				103		%
Thallium	203-1	0.01	0.01	0.00	0.00	37.89	ppb
Thallium	205-1	0.01	0.01	0.00	0.01	32.67	ppb
Tin	118-1	0.22	0.23	0.23	0.22	2.46	ppb
Titanium	47-1	0.15	0.17	0.17	0.17	5.74	ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-04	Instrumnet Name :	P8
Client Sample ID :	MYD5W9	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:08:59	DataFile Name :	050AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.02	0.02	0.02	0.02	5.48	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				103		%
Yttrium	89-2				103		%
Zinc	66-2	1.38	1.50	1.42	1.44	4.31	ppb
Zirconium	90-1	0.00	0.00	0.01	0.01	54.67	ppb
Zirconium	91-1	0.01	0.01	0.01	0.01	12.97	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-05	Instrumnet Name :	P8
Client Sample ID :	MYD5Z1	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:12:16	DataFile Name :	051AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	5.19	4.62	4.79	4.87	5.96	ppb
Antimony	121-1	0.01	0.01	0.01	0.01	25.04	ppb
Arsenic	75-2	0.02	0.03	0.02	0.03	8.78	ppb
Barium	135-1	0.06	0.07	0.08	0.07	7.95	ppb
Barium	137-1	0.06	0.06	0.07	0.06	7.80	ppb
Beryllium	9-1	0.01	0.00	0.01	0.01	51.73	ppb
Bismuth	209-1				103		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Cadmium	108-1	0.01	0.00	0.05	0.02	102.37	ppb
Cadmium	106-1	-3.10	-3.27	-2.78	-3.05		ppb
Cadmium	111-1	-0.02	-0.02	-0.02	-0.02		ppb
Calcium	43-1	14.26	13.90	13.26	13.81	3.68	ppb
Calcium	44-1	14.76	14.69	14.87	14.77	0.61	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.39	0.42	0.41	0.41	2.90	ppb
Cobalt	59-2	0.01	0.00	0.01	0.01	44.36	ppb
Copper	63-2	0.59	0.59	0.55	0.58	4.34	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				104		%
Holmium	165-2				105		%
Indium	115-1				104		%
Indium	115-2				104		%
Iron	54-2	12.47	11.53	12.59	12.20	4.76	ppb
Iron	56-2	12.14	12.25	12.05	12.15	0.84	ppb
Iron	57-2	11.77	12.25	12.07	12.03	2.00	ppb
Krypton	83-1						cps
Lead	206-1	0.07	0.07	0.07	0.07	1.12	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-05	Instrumnet Name :	P8
Client Sample ID :	MYD5Z1	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:12:16	DataFile Name :	051AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.07	0.06	0.06	0.06	4.22	ppb
Lead	208-1	0.07	0.06	0.06	0.07	2.52	ppb
Lithium	6-1				105		%
Magnesium	24-2	2.46	2.58	2.49	2.51	2.38	ppb
Manganese	55-2	2.85	2.95	2.90	2.90	1.66	ppb
Molybdenum	94-1	0.03	0.03	0.03	0.03	1.85	ppb
Molybdenum	95-1	0.03	0.03	0.03	0.03	10.68	ppb
Molybdenum	96-1	0.02	0.03	0.03	0.03	16.47	ppb
Molybdenum	97-1	0.02	0.03	0.03	0.03	6.66	ppb
Molybdenum	98-1	0.03	0.03	0.03	0.03	1.99	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.35	0.32	0.34	0.34	4.23	ppb
Phosphorus	31-2	-41.81	-52.90	-47.65	-47.45		ppb
Potassium	39-2	9.81	10.42	10.03	10.09	3.11	ppb
Rhodium	103-1				104		%
Rhodium	103-2				105		%
Scandium	45-1				105		%
Scandium	45-2				101		%
Selenium	82-1	0.11	-0.04	-0.02	0.01	572.70	ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-0.05	-0.16	-0.11	-0.11		ppb
Silicon	28-1	0.68	0.84	0.96	0.82	17.13	ppb
Silver	107-1	0.00	0.00	0.00	0.00	15.94	ppb
Silver	109-1	0.00	0.00	0.00	0.00	39.77	ppb
Sodium	23-2	17.56	17.72	17.68	17.65	0.48	ppb
Strontium	86-1	0.02	0.01	0.02	0.02	24.14	ppb
Strontium	88-1	0.03	0.02	0.02	0.02	14.31	ppb
Sulfur	34-1	-286.82	-280.32	-255.97	-274.37		ppb
Terbium	159-1				103		%
Terbium	159-2				104		%
Thallium	203-1	0.01	0.00	0.00	0.00	130.91	ppb
Thallium	205-1	0.00	0.00	0.00	0.00	47.54	ppb
Tin	118-1	0.14	0.07	0.09	0.10	34.62	ppb
Titanium	47-1	0.14	0.15	0.15	0.15	1.14	ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-05	Instrumnet Name :	P8
Client Sample ID :	MYD5Z1	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:12:16	DataFile Name :	051AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.01	0.02	0.02	0.02	14.00	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				105		%
Yttrium	89-2				105		%
Zinc	66-2	3.95	4.02	3.86	3.95	2.05	ppb
Zirconium	90-1	0.00	0.00	0.00	0.00	1944.25	ppb
Zirconium	91-1	0.00	0.00	0.01	0.00	53.95	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-12DLX4	Instrumnet Name :	P8
Client Sample ID :	MYD4P9	Dilution Factor :	4
Date & Time Acquired :	2024-10-02 19:15:34	DataFile Name :	052AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	14788.39	14718.14	14802.91	14769.81	0.31	ppb
Antimony	121-1	0.64	0.64	0.64	0.64	0.59	ppb
Arsenic	75-2	41.14	41.78	40.16	41.03	2.00	ppb
Barium	135-1	97.55	99.98	97.91	98.48	1.33	ppb
Barium	137-1	104.07	105.43	102.67	104.05	1.33	ppb
Beryllium	9-1	0.45	0.44	0.44	0.44	0.91	ppb
Bismuth	209-1				102		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Cadmium	108-1	0.77	0.92	0.95	0.88	10.91	ppb
Cadmium	106-1	-1.95	-2.40	-2.97	-2.44		ppb
Cadmium	111-1	0.38	0.38	0.37	0.38	2.15	ppb
Calcium	43-1	4435.54	4421.50	4461.00	4439.35	0.45	ppb
Calcium	44-1	4639.70	4664.44	4627.22	4643.79	0.41	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	15.54	15.71	15.56	15.60	0.60	ppb
Cobalt	59-2	11.22	11.30	11.05	11.19	1.15	ppb
Copper	63-2	44.63	44.48	44.26	44.45	0.41	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				106		%
Indium	115-1				104		%
Indium	115-2				103		%
Iron	54-2	37303.71	36778.02	36349.54	36810.43	1.30	ppb
Iron	56-2	36947.93	36683.92	36402.52	36678.12	0.74	ppb
Iron	57-2	37326.78	37308.96	35829.84	36821.86	2.33	ppb
Krypton	83-1						cps
Lead	206-1	24.44	24.39	24.48	24.43	0.18	ppb

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-12DLX4	Instrumnet Name :	P8
Client Sample ID :	MYD4P9	Dilution Factor :	4
Date & Time Acquired :	2024-10-02 19:15:34	DataFile Name :	052AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	26.05	25.66	26.09	25.93	0.91	ppb
Lead	208-1	25.73	25.43	25.52	25.56	0.60	ppb
Lithium	6-1				104		%
Magnesium	24-2	5297.07	5245.28	5230.93	5257.76	0.66	ppb
Manganese	55-2	479.11	477.04	466.55	474.23	1.42	ppb
Molybdenum	94-1	5.52	5.52	5.50	5.51	0.25	ppb
Molybdenum	95-1	0.33	0.34	0.34	0.33	1.80	ppb
Molybdenum	96-1	0.95	0.96	0.96	0.96	1.00	ppb
Molybdenum	97-1	0.34	0.33	0.33	0.33	1.78	ppb
Molybdenum	98-1	0.33	0.32	0.33	0.33	1.45	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	13.04	12.79	12.68	12.84	1.44	ppb
Phosphorus	31-2	686.34	688.78	671.49	682.20	1.37	ppb
Potassium	39-2	1349.78	1344.67	1324.17	1339.54	1.01	ppb
Rhodium	103-1				103		%
Rhodium	103-2				103		%
Scandium	45-1				107		%
Scandium	45-2				103		%
Selenium	82-1	0.55	0.50	0.56	0.54	6.52	ppb
Selenium	77-2	13.31	12.41	11.69	12.47	6.49	ppb
Selenium	78-2	4.49	3.05	3.60	3.71	19.61	ppb
Silicon	28-1	391.40	387.88	389.89	389.72	0.45	ppb
Silver	107-1	0.19	0.19	0.19	0.19	0.81	ppb
Silver	109-1	0.17	0.17	0.17	0.17	1.80	ppb
Sodium	23-2	70.93	72.06	71.49	71.49	0.79	ppb
Strontium	86-1	22.93	22.51	23.11	22.85	1.36	ppb
Strontium	88-1	23.98	23.42	23.82	23.74	1.22	ppb
Sulfur	34-1	-528.08	-557.20	-587.79	-557.69		ppb
Terbium	159-1				106		%
Terbium	159-2				106		%
Thallium	203-1	0.13	0.11	0.10	0.12	11.61	ppb
Thallium	205-1	0.14	0.12	0.12	0.13	8.27	ppb
Tin	118-1	0.81	0.80	0.80	0.80	0.93	ppb
Titanium	47-1	435.06	432.34	437.07	434.82	0.55	ppb
Uranium	238-1	0.28	0.28	0.29	0.28	0.67	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-12DLX4	Instrumnet Name :	P8
Client Sample ID :	MYD4P9	Dilution Factor :	4
Date & Time Acquired :	2024-10-02 19:15:34	DataFile Name :	052AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	66.63	66.43	65.69	66.25	0.75	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				108		%
Yttrium	89-2				107		%
Zinc	66-2	109.70	109.11	108.79	109.20	0.42	ppb
Zirconium	90-1	3.02	3.01	3.07	3.03	1.02	ppb
Zirconium	91-1	3.06	3.04	3.09	3.06	0.84	ppb

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-13DLX4	Instrumnet Name :	P8
Client Sample ID :	MYD4P9D	Dilution Factor :	4
Date & Time Acquired :	2024-10-02 19:18:42	DataFile Name :	053AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	14625.95	14699.94	14703.26	14676.39	0.30	ppb
Antimony	121-1	0.62	0.65	0.63	0.63	1.94	ppb
Arsenic	75-2	41.30	41.39	41.88	41.52	0.75	ppb
Barium	135-1	98.16	99.65	98.80	98.87	0.76	ppb
Barium	137-1	107.32	106.89	104.98	106.40	1.17	ppb
Beryllium	9-1	0.45	0.44	0.45	0.45	1.23	ppb
Bismuth	209-1				103		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Cadmium	108-1	0.89	0.77	0.85	0.84	7.28	ppb
Cadmium	106-1	-2.17	-2.70	-3.18	-2.68		ppb
Cadmium	111-1	0.35	0.39	0.39	0.38	5.75	ppb
Calcium	43-1	4550.95	4554.77	4525.88	4543.87	0.35	ppb
Calcium	44-1	4823.86	4738.35	4697.01	4753.07	1.36	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	15.63	15.94	15.68	15.75	1.05	ppb
Cobalt	59-2	11.25	11.38	11.43	11.35	0.83	ppb
Copper	63-2	44.57	45.57	45.17	45.10	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				107		%
Holmium	165-2				107		%
Indium	115-1				105		%
Indium	115-2				104		%
Iron	54-2	37482.62	37320.29	37118.41	37307.11	0.49	ppb
Iron	56-2	36601.37	37564.33	36862.79	37009.49	1.35	ppb
Iron	57-2	37023.80	36466.48	37283.79	36924.69	1.13	ppb
Krypton	83-1						cps
Lead	206-1	24.78	24.58	24.51	24.62	0.55	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-13DLX4	Instrumnet Name :	P8
Client Sample ID :	MYD4P9D	Dilution Factor :	4
Date & Time Acquired :	2024-10-02 19:18:42	DataFile Name :	053AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	26.17	26.23	26.04	26.15	0.38	ppb
Lead	208-1	25.94	25.65	25.71	25.76	0.60	ppb
Lithium	6-1				103		%
Magnesium	24-2	5340.85	5377.53	5392.43	5370.27	0.49	ppb
Manganese	55-2	481.77	491.75	480.81	484.78	1.25	ppb
Molybdenum	94-1	5.50	5.53	5.58	5.54	0.76	ppb
Molybdenum	95-1	0.33	0.33	0.34	0.34	2.54	ppb
Molybdenum	96-1	0.97	0.99	0.99	0.99	1.64	ppb
Molybdenum	97-1	0.33	0.34	0.35	0.34	2.42	ppb
Molybdenum	98-1	0.33	0.34	0.33	0.33	1.76	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	12.95	13.14	13.03	13.04	0.71	ppb
Phosphorus	31-2	673.60	675.52	668.67	672.60	0.52	ppb
Potassium	39-2	1341.15	1361.22	1355.95	1352.77	0.77	ppb
Rhodium	103-1				104		%
Rhodium	103-2				104		%
Scandium	45-1				107		%
Scandium	45-2				104		%
Selenium	82-1	0.61	0.36	0.61	0.53	27.17	ppb
Selenium	77-2	17.73	14.24	14.38	15.45	12.78	ppb
Selenium	78-2	3.72	3.39	3.19	3.43	7.79	ppb
Silicon	28-1	394.67	394.12	443.12	410.64	6.85	ppb
Silver	107-1	0.19	0.19	0.19	0.19	0.81	ppb
Silver	109-1	0.17	0.18	0.17	0.17	2.41	ppb
Sodium	23-2	70.18	70.81	69.61	70.20	0.86	ppb
Strontium	86-1	22.95	22.99	23.21	23.05	0.60	ppb
Strontium	88-1	24.79	24.69	24.32	24.60	1.01	ppb
Sulfur	34-1	-716.74	-744.85	-749.40	-737.00		ppb
Terbium	159-1				107		%
Terbium	159-2				105		%
Thallium	203-1	0.09	0.09	0.08	0.09	7.21	ppb
Thallium	205-1	0.08	0.09	0.09	0.09	1.50	ppb
Tin	118-1	0.60	0.64	0.60	0.61	3.79	ppb
Titanium	47-1	449.61	442.46	447.56	446.55	0.83	ppb
Uranium	238-1	0.29	0.29	0.28	0.29	2.20	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-13DLX4	Instrumnet Name :	P8
Client Sample ID :	MYD4P9D	Dilution Factor :	4
Date & Time Acquired :	2024-10-02 19:18:42	DataFile Name :	053AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	66.27	67.08	66.47	66.61	0.64	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				109		%
Yttrium	89-2				108		%
Zinc	66-2	108.58	111.01	110.66	110.08	1.19	ppb
Zirconium	90-1	3.04	3.13	3.07	3.08	1.50	ppb
Zirconium	91-1	3.03	3.04	3.11	3.06	1.39	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-12LDLX20	Instrumnet Name :	P8
Client Sample ID :	MYD4P9L	Dilution Factor :	20
Date & Time Acquired :	2024-10-02 19:21:52	DataFile Name :	054AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2926.08	2892.93	2908.61	2909.21	0.57	ppb
Antimony	121-1	0.13	0.13	0.14	0.13	4.16	ppb
Arsenic	75-2	8.65	8.46	8.49	8.53	1.21	ppb
Barium	135-1	19.61	19.74	20.18	19.84	1.50	ppb
Barium	137-1	19.96	20.29	20.74	20.33	1.91	ppb
Beryllium	9-1	0.09	0.10	0.09	0.09	4.99	ppb
Bismuth	209-1				105		%
Bismuth	209-2				108		%
Bromine	81-1						cps
Cadmium	108-1	0.21	0.13	0.14	0.16	29.51	ppb
Cadmium	106-1	-4.69	-4.34	-3.90	-4.31		ppb
Cadmium	111-1	0.05	0.05	0.05	0.05	8.20	ppb
Calcium	43-1	920.90	938.19	940.89	933.33	1.16	ppb
Calcium	44-1	976.78	991.85	1002.71	990.44	1.31	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3.20	3.22	3.22	3.21	0.24	ppb
Cobalt	59-2	2.35	2.31	2.33	2.33	0.90	ppb
Copper	63-2	9.72	9.56	9.68	9.65	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				110		%
Holmium	165-2				108		%
Indium	115-1				108		%
Indium	115-2				107		%
Iron	54-2	7789.59	7829.16	7632.74	7750.50	1.34	ppb
Iron	56-2	7666.46	7542.88	7641.70	7617.01	0.86	ppb
Iron	57-2	7761.15	7695.89	7807.94	7754.99	0.73	ppb
Krypton	83-1						cps
Lead	206-1	4.96	4.95	5.05	4.98	1.12	ppb

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-12LDLX20	Instrumnet Name :	P8
Client Sample ID :	MYD4P9L	Dilution Factor :	20
Date & Time Acquired :	2024-10-02 19:21:52	DataFile Name :	054AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	5.27	5.29	5.24	5.26	0.46	ppb
Lead	208-1	5.08	5.07	5.09	5.08	0.13	ppb
Lithium	6-1				104		%
Magnesium	24-2	1039.28	1042.64	1043.55	1041.82	0.22	ppb
Manganese	55-2	92.01	92.32	92.97	92.43	0.53	ppb
Molybdenum	94-1	1.12	1.16	1.12	1.13	2.09	ppb
Molybdenum	95-1	0.07	0.07	0.07	0.07	3.75	ppb
Molybdenum	96-1	0.21	0.21	0.20	0.21	0.75	ppb
Molybdenum	97-1	0.07	0.07	0.07	0.07	2.55	ppb
Molybdenum	98-1	0.06	0.07	0.07	0.07	6.50	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.77	2.71	2.78	2.75	1.25	ppb
Phosphorus	31-2	94.44	89.15	97.35	93.65	4.44	ppb
Potassium	39-2	280.39	278.50	279.18	279.36	0.34	ppb
Rhodium	103-1				108		%
Rhodium	103-2				108		%
Scandium	45-1				108		%
Scandium	45-2				103		%
Selenium	82-1	0.16	0.28	0.17	0.20	33.60	ppb
Selenium	77-2	2.03	3.68	3.95	3.22	32.27	ppb
Selenium	78-2	0.63	0.62	0.65	0.64	2.22	ppb
Silicon	28-1	77.35	79.13	78.34	78.27	1.14	ppb
Silver	107-1	0.04	0.04	0.04	0.04	2.35	ppb
Silver	109-1	0.03	0.03	0.04	0.03	4.10	ppb
Sodium	23-2	22.28	21.97	21.75	22.00	1.22	ppb
Strontium	86-1	4.63	4.87	4.74	4.75	2.55	ppb
Strontium	88-1	4.58	4.70	4.63	4.64	1.25	ppb
Sulfur	34-1	-787.75	-733.57	-756.96	-759.42		ppb
Terbium	159-1				109		%
Terbium	159-2				107		%
Thallium	203-1	0.02	0.02	0.02	0.02	10.75	ppb
Thallium	205-1	0.02	0.02	0.02	0.02	2.10	ppb
Tin	118-1	0.26	0.27	0.33	0.29	12.86	ppb
Titanium	47-1	83.80	84.96	84.99	84.58	0.80	ppb
Uranium	238-1	0.06	0.06	0.06	0.06	0.89	ppb

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-12LDLX20	Instrumnet Name :	P8
Client Sample ID :	MYD4P9L	Dilution Factor :	20
Date & Time Acquired :	2024-10-02 19:21:52	DataFile Name :	054AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	13.43	13.55	13.63	13.54	0.77	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				108		%
Yttrium	89-2				109		%
Zinc	66-2	23.66	23.53	24.07	23.76	1.19	ppb
Zirconium	90-1	0.61	0.63	0.62	0.62	1.24	ppb
Zirconium	91-1	0.62	0.64	0.62	0.63	1.99	ppb

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-14DLX4	Instrumnet Name :	P8
Client Sample ID :	MYD4P9S	Dilution Factor :	4
Date & Time Acquired :	2024-10-02 19:25:05	DataFile Name :	055AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	16372.29	16218.79	16332.53	16307.87	0.49	ppb
Antimony	121-1	16.56	16.77	16.49	16.61	0.86	ppb
Arsenic	75-2	50.80	51.55	51.38	51.24	0.76	ppb
Barium	135-1	435.01	433.21	433.70	433.97	0.21	ppb
Barium	137-1	434.34	437.13	438.85	436.77	0.52	ppb
Beryllium	9-1	7.90	7.73	7.84	7.82	1.14	ppb
Bismuth	209-1				103		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Cadmium	108-1	7.09	7.09	7.06	7.08	0.24	ppb
Cadmium	106-1	4.18	3.54	2.24	3.32	29.76	ppb
Cadmium	111-1	8.66	8.68	8.56	8.63	0.76	ppb
Calcium	43-1	4862.11	4905.93	4849.29	4872.44	0.61	ppb
Calcium	44-1	5012.35	5119.97	5126.77	5086.37	1.26	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	48.84	48.66	48.85	48.78	0.22	ppb
Cobalt	59-2	97.28	99.25	98.99	98.51	1.09	ppb
Copper	63-2	88.99	88.40	89.15	88.85	0.44	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				105		%
Indium	115-1				105		%
Indium	115-2				101		%
Iron	54-2	40823.31	40511.39	40730.00	40688.24	0.39	ppb
Iron	56-2	39881.18	40082.56	40663.54	40209.10	1.01	ppb
Iron	57-2	40520.23	40450.53	40704.97	40558.57	0.32	ppb
Krypton	83-1						cps
Lead	206-1	30.07	29.47	30.11	29.88	1.20	ppb

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On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-14DLX4	Instrumnet Name :	P8
Client Sample ID :	MYD4P9S	Dilution Factor :	4
Date & Time Acquired :	2024-10-02 19:25:05	DataFile Name :	055AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	31.17	30.97	31.76	31.30	1.31	ppb
Lead	208-1	31.04	30.71	31.27	31.01	0.92	ppb
Lithium	6-1				104		%
Magnesium	24-2	5797.37	5685.92	5799.75	5761.02	1.13	ppb
Manganese	55-2	593.59	593.86	607.60	598.35	1.34	ppb
Molybdenum	94-1	6.04	6.04	5.97	6.02	0.64	ppb
Molybdenum	95-1	0.37	0.37	0.35	0.36	2.40	ppb
Molybdenum	96-1	1.04	1.08	1.06	1.06	1.57	ppb
Molybdenum	97-1	0.36	0.37	0.38	0.37	2.45	ppb
Molybdenum	98-1	0.34	0.37	0.36	0.36	3.10	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	95.29	95.76	96.25	95.77	0.51	ppb
Phosphorus	31-2	758.92	740.25	757.08	752.09	1.37	ppb
Potassium	39-2	1454.15	1452.06	1466.03	1457.41	0.52	ppb
Rhodium	103-1				103		%
Rhodium	103-2				102		%
Scandium	45-1				106		%
Scandium	45-2				101		%
Selenium	82-1	18.01	17.79	18.24	18.01	1.24	ppb
Selenium	77-2	32.51	33.55	30.07	32.04	5.57	ppb
Selenium	78-2	20.72	21.18	21.28	21.06	1.43	ppb
Silicon	28-1	420.77	426.41	425.95	424.38	0.74	ppb
Silver	107-1	8.18	8.30	8.15	8.21	0.93	ppb
Silver	109-1	8.43	8.63	8.53	8.53	1.20	ppb
Sodium	23-2	69.83	69.38	69.00	69.40	0.60	ppb
Strontium	86-1	24.99	24.87	25.18	25.01	0.62	ppb
Strontium	88-1	26.10	26.28	26.44	26.27	0.65	ppb
Sulfur	34-1	-725.87	-674.69	-694.36	-698.31		ppb
Terbium	159-1				107		%
Terbium	159-2				103		%
Thallium	203-1	7.53	7.46	7.66	7.55	1.31	ppb
Thallium	205-1	7.76	7.67	7.88	7.77	1.35	ppb
Tin	118-1	0.63	0.65	0.63	0.64	2.07	ppb
Titanium	47-1	484.17	486.85	483.87	484.96	0.34	ppb
Uranium	238-1	0.31	0.30	0.31	0.31	1.77	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-14DLX4	Instrumnet Name :	P8
Client Sample ID :	MYD4P9S	Dilution Factor :	4
Date & Time Acquired :	2024-10-02 19:25:05	DataFile Name :	055AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	157.80	157.30	160.38	158.49	1.04	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				108		%
Yttrium	89-2				106		%
Zinc	66-2	199.64	200.42	199.71	199.92	0.21	ppb
Zirconium	90-1	3.31	3.34	3.33	3.33	0.54	ppb
Zirconium	91-1	3.32	3.31	3.36	3.33	0.81	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-12MSDLX4	Instrumnet Name :	P8
Client Sample ID :	MYD4P9SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-02 19:28:11	DataFile Name :	056AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	16864.52	16618.06	16778.67	16753.75	0.75	ppb
Antimony	121-1	79.42	82.97	80.60	80.99	2.23	ppb
Arsenic	75-2	74.04	74.36	74.46	74.28	0.30	ppb
Barium	135-1	1568.62	1649.35	1622.10	1613.35	2.55	ppb
Barium	137-1	1605.13	1653.11	1643.80	1634.01	1.56	ppb
Beryllium	9-1	35.35	35.57	35.39	35.44	0.32	ppb
Bismuth	209-1				103		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Cadmium	108-1	29.84	30.55	30.93	30.44	1.82	ppb
Cadmium	106-1	25.99	26.64	26.95	26.53	1.84	ppb
Cadmium	111-1	38.67	39.85	40.12	39.55	1.95	ppb
Calcium	43-1	4554.59	4710.50	4657.11	4640.73	1.71	ppb
Calcium	44-1	4826.11	5006.29	4855.95	4896.12	1.97	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	182.68	178.80	182.03	181.17	1.15	ppb
Cobalt	59-2	419.76	424.82	418.50	421.03	0.79	ppb
Copper	63-2	252.49	246.55	251.69	250.24	1.29	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				104		%
Indium	115-1				105		%
Indium	115-2				102		%
Iron	54-2	40103.49	39529.01	39815.93	39816.14	0.72	ppb
Iron	56-2	39665.20	39642.00	39499.02	39602.07	0.23	ppb
Iron	57-2	40510.90	39282.13	39310.76	39701.26	1.77	ppb
Krypton	83-1						cps
Lead	206-1	41.97	42.43	42.41	42.27	0.62	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-12MSDLX4	Instrumnet Name :	P8
Client Sample ID :	MYD4P9SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-02 19:28:11	DataFile Name :	056AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	41.16	42.45	41.99	41.87	1.57	ppb
Lead	208-1	41.55	42.70	42.21	42.16	1.37	ppb
Lithium	6-1				103		%
Magnesium	24-2	5519.36	5536.71	5512.95	5523.01	0.22	ppb
Manganese	55-2	881.15	880.84	875.92	879.30	0.33	ppb
Molybdenum	94-1	5.66	5.79	5.76	5.74	1.21	ppb
Molybdenum	95-1	0.34	0.36	0.35	0.35	2.51	ppb
Molybdenum	96-1	1.02	1.03	1.04	1.03	1.02	ppb
Molybdenum	97-1	0.34	0.37	0.34	0.35	4.88	ppb
Molybdenum	98-1	0.34	0.36	0.36	0.35	3.23	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	446.06	435.98	434.07	438.70	1.47	ppb
Phosphorus	31-2	716.01	721.78	731.64	723.14	1.09	ppb
Potassium	39-2	1408.45	1385.40	1388.24	1394.03	0.90	ppb
Rhodium	103-1				104		%
Rhodium	103-2				102		%
Scandium	45-1				106		%
Scandium	45-2				100		%
Selenium	82-1	82.54	85.78	83.46	83.93	1.99	ppb
Selenium	77-2	100.51	102.69	102.50	101.90	1.19	ppb
Selenium	78-2	83.24	86.83	89.67	86.58	3.72	ppb
Silicon	28-1	398.10	414.99	413.02	408.70	2.26	ppb
Silver	107-1	75.37	34.75	34.55	48.22	48.75	ppb
Silver	109-1	34.39	35.32	50.22	39.97	22.22	ppb
Sodium	23-2	69.36	69.30	68.36	69.01	0.81	ppb
Strontium	86-1	23.47	24.39	23.89	23.92	1.94	ppb
Strontium	88-1	24.44	24.74	25.33	24.83	1.82	ppb
Sulfur	34-1	-746.72	-628.39	-699.09	-691.40		ppb
Terbium	159-1				107		%
Terbium	159-2				104		%
Thallium	203-1	36.92	38.04	37.51	37.49	1.50	ppb
Thallium	205-1	36.98	38.43	38.15	37.85	2.02	ppb
Tin	118-1	1.00	1.08	1.27	1.12	12.50	ppb
Titanium	47-1	457.96	467.95	448.18	458.03	2.16	ppb
Uranium	238-1	0.29	0.30	0.30	0.30	1.57	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-12MSDLX4	Instrumnet Name :	P8
Client Sample ID :	MYD4P9SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-02 19:28:11	DataFile Name :	056AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	467.57	464.34	456.68	462.87	1.21	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				108		%
Yttrium	89-2				104		%
Zinc	66-2	512.07	506.11	507.69	508.62	0.61	ppb
Zirconium	90-1	3.10	3.22	3.18	3.17	1.92	ppb
Zirconium	91-1	3.14	3.27	3.28	3.23	2.41	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	PB163715BL	Instrumnet Name :	P8
Client Sample ID :	PBS715	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:31:08	DataFile Name :	057CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.50	0.60	0.38	0.49	21.89	ppb
Antimony	121-1	0.01	0.01	0.02	0.01	36.56	ppb
Arsenic	75-2	0.00	0.01	0.01	0.01	93.12	ppb
Barium	135-1	0.06	0.04	0.03	0.04	42.13	ppb
Barium	137-1	0.04	0.03	0.03	0.03	18.56	ppb
Beryllium	9-1	0.01	0.00	0.01	0.01	43.00	ppb
Bismuth	209-1				105		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Cadmium	108-1	0.03	0.02	0.03	0.03	21.20	ppb
Cadmium	106-1	-4.22	-5.08	-4.97	-4.76		ppb
Cadmium	111-1	-0.03	-0.03	-0.03	-0.03		ppb
Calcium	43-1	-2.76	-2.26	-1.89	-2.30		ppb
Calcium	44-1	-0.58	-0.68	-0.69	-0.65		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.02	-0.02	-0.01	-0.02		ppb
Cobalt	59-2	0.00	0.00	0.00	0.00	134.03	ppb
Copper	63-2	0.39	0.40	0.39	0.39	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				107		%
Holmium	165-2				106		%
Indium	115-1				106		%
Indium	115-2				103		%
Iron	54-2	0.86	0.58	0.09	0.51	76.33	ppb
Iron	56-2	0.80	0.70	0.59	0.70	15.51	ppb
Iron	57-2	0.44	1.03	0.60	0.69	43.68	ppb
Krypton	83-1						cps
Lead	206-1	0.01	0.01	0.02	0.01	7.20	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	PB163715BL	Instrumnet Name :	P8
Client Sample ID :	PBS715	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:31:08	DataFile Name :	057CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.01	0.01	0.01	0.01	11.68	ppb
Lead	208-1	0.01	0.01	0.01	0.01	4.16	ppb
Lithium	6-1				102		%
Magnesium	24-2	1.35	1.29	1.19	1.28	6.11	ppb
Manganese	55-2	0.01	0.03	0.02	0.02	42.20	ppb
Molybdenum	94-1	0.00	0.00	0.01	0.00	493.44	ppb
Molybdenum	95-1	0.00	0.00	0.00	0.00		ppb
Molybdenum	96-1	0.00	0.00	0.00	0.00		ppb
Molybdenum	97-1	0.00	0.00	0.00	0.00	279.58	ppb
Molybdenum	98-1	0.00	0.00	0.00	0.00		ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.02	0.01	0.00	0.01	62.84	ppb
Phosphorus	31-2	-65.79	-62.10	-58.04	-61.98		ppb
Potassium	39-2	2.81	2.82	2.35	2.66	10.12	ppb
Rhodium	103-1				106		%
Rhodium	103-2				105		%
Scandium	45-1				105		%
Scandium	45-2				100		%
Selenium	82-1	0.07	-0.02	0.06	0.04	124.21	ppb
Selenium	77-2	0.17	0.00	0.00	0.06	173.21	ppb
Selenium	78-2	0.25	0.12	0.06	0.14	70.98	ppb
Silicon	28-1	-1.67	-1.62	-1.48	-1.59		ppb
Silver	107-1	0.01	0.01	0.00	0.01	36.13	ppb
Silver	109-1	0.01	0.01	0.01	0.01	34.77	ppb
Sodium	23-2	5.99	6.20	5.87	6.02	2.75	ppb
Strontium	86-1	0.00	0.00	0.00	0.00	330.15	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	436.13	ppb
Sulfur	34-1	-712.45	-672.51	-629.88	-671.61		ppb
Terbium	159-1				107		%
Terbium	159-2				104		%
Thallium	203-1	0.01	0.01	0.01	0.01	8.96	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	5.77	ppb
Tin	118-1	0.15	0.14	0.13	0.14	8.12	ppb
Titanium	47-1	0.00	-0.01	-0.02	-0.01		ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	PB163715BL	Instrumnet Name :	P8
Client Sample ID :	PBS715	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:31:08	DataFile Name :	057CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.01	0.00	0.00	0.00	51.82	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				105		%
Yttrium	89-2				104		%
Zinc	66-2	-0.14	-0.10	-0.04	-0.09		ppb
Zirconium	90-1	0.00	0.00	0.00	0.00		ppb
Zirconium	91-1	0.00	0.00	0.01	0.00	166.46	ppb

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	PB163715BS	Instrumnet Name :	P8
Client Sample ID :	LCS715	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:34:27	DataFile Name :	058LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	37.58	37.59	37.79	37.65	0.32	ppb
Antimony	121-1	3.38	3.47	3.44	3.43	1.32	ppb
Arsenic	75-2	1.90	1.89	1.85	1.88	1.28	ppb
Barium	135-1	16.35	16.62	16.39	16.45	0.87	ppb
Barium	137-1	16.80	17.03	16.93	16.92	0.66	ppb
Beryllium	9-1	1.60	1.61	1.59	1.60	0.72	ppb
Bismuth	209-1				103		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Cadmium	108-1	1.80	1.92	1.84	1.85	3.34	ppb
Cadmium	106-1	-2.77	-2.40	-2.87	-2.68		ppb
Cadmium	111-1	1.81	1.88	1.84	1.84	2.04	ppb
Calcium	43-1	787.74	792.28	801.46	793.83	0.88	ppb
Calcium	44-1	831.38	848.62	829.71	836.57	1.25	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3.76	3.83	3.72	3.77	1.42	ppb
Cobalt	59-2	1.84	1.83	1.85	1.84	0.63	ppb
Copper	63-2	4.36	4.36	4.27	4.33	1.12	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				106		%
Indium	115-1				104		%
Indium	115-2				105		%
Iron	54-2	391.80	398.63	390.23	393.55	1.14	ppb
Iron	56-2	413.76	420.75	414.24	416.25	0.94	ppb
Iron	57-2	393.88	395.72	384.25	391.28	1.57	ppb
Krypton	83-1						cps
Lead	206-1	1.72	1.65	1.62	1.67	3.14	ppb

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	PB163715BS	Instrumnet Name :	P8
Client Sample ID :	LCS715	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:34:27	DataFile Name :	058LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	1.73	1.72	1.69	1.71	1.04	ppb
Lead	208-1	1.70	1.69	1.66	1.68	1.38	ppb
Lithium	6-1				103		%
Magnesium	24-2	962.89	966.71	966.38	965.33	0.22	ppb
Manganese	55-2	2.04	2.10	2.16	2.10	3.06	ppb
Molybdenum	94-1	9.06	9.38	9.25	9.23	1.71	ppb
Molybdenum	95-1	7.60	7.86	7.75	7.74	1.70	ppb
Molybdenum	96-1	7.72	7.99	7.82	7.84	1.77	ppb
Molybdenum	97-1	7.63	7.82	7.77	7.74	1.28	ppb
Molybdenum	98-1	7.48	7.83	7.63	7.65	2.32	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.94	1.93	1.91	1.93	0.69	ppb
Phosphorus	31-2	-66.55	-55.78	-60.23	-60.85		ppb
Potassium	39-2	810.38	822.87	807.86	813.70	0.99	ppb
Rhodium	103-1				105		%
Rhodium	103-2				104		%
Scandium	45-1				103		%
Scandium	45-2				101		%
Selenium	82-1	9.34	8.92	8.86	9.04	2.88	ppb
Selenium	77-2	9.88	9.11	7.45	8.82	14.07	ppb
Selenium	78-2	7.89	9.69	8.10	8.56	11.50	ppb
Silicon	28-1	5.55	5.44	5.51	5.50	0.97	ppb
Silver	107-1	1.72	1.82	1.77	1.77	2.76	ppb
Silver	109-1	1.82	1.85	1.85	1.84	0.85	ppb
Sodium	23-2	924.96	932.21	928.79	928.65	0.39	ppb
Strontium	86-1	1.65	1.73	1.67	1.68	2.48	ppb
Strontium	88-1	1.65	1.70	1.65	1.67	1.55	ppb
Sulfur	34-1	-370.56	-394.63	-389.68	-384.96		ppb
Terbium	159-1				105		%
Terbium	159-2				105		%
Thallium	203-1	1.63	1.60	1.61	1.61	0.80	ppb
Thallium	205-1	1.68	1.64	1.62	1.65	1.89	ppb
Tin	118-1	0.02	0.02	0.03	0.02	39.37	ppb
Titanium	47-1	8.00	8.07	8.03	8.03	0.41	ppb
Uranium	238-1	1.57	1.54	1.53	1.55	1.33	ppb

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	PB163715BS	Instrumnet Name :	P8
Client Sample ID :	LCS715	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:34:27	DataFile Name :	058LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	8.54	8.50	8.45	8.50	0.53	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				105		%
Yttrium	89-2				106		%
Zinc	66-2	9.38	9.69	8.89	9.32	4.32	ppb
Zirconium	90-1	1.65	1.68	1.65	1.66	1.15	ppb
Zirconium	91-1	1.60	1.68	1.68	1.65	2.79	ppb

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	PB163715BSD	Instrumnet Name :	P8
Client Sample ID :	LCSD715	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:37:41	DataFile Name :	059LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	15.10	15.52	15.76	15.46	2.16	ppb
Antimony	121-1	1.50	1.52	1.51	1.51	0.63	ppb
Arsenic	75-2	0.81	0.77	0.78	0.79	2.81	ppb
Barium	135-1	7.24	7.24	7.36	7.28	0.92	ppb
Barium	137-1	7.42	7.35	7.39	7.39	0.48	ppb
Beryllium	9-1	0.70	0.71	0.71	0.71	1.27	ppb
Bismuth	209-1				104		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Cadmium	108-1	0.81	0.91	0.75	0.82	9.55	ppb
Cadmium	106-1	-3.40	-3.81	-3.74	-3.65		ppb
Cadmium	111-1	0.79	0.76	0.77	0.77	1.45	ppb
Calcium	43-1	350.50	351.35	350.16	350.67	0.18	ppb
Calcium	44-1	343.53	349.06	347.12	346.57	0.81	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.69	1.67	1.69	1.68	0.81	ppb
Cobalt	59-2	0.81	0.82	0.81	0.81	0.24	ppb
Copper	63-2	2.06	2.08	2.12	2.08	1.56	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				107		%
Indium	115-1				106		%
Indium	115-2				105		%
Iron	54-2	170.68	166.95	169.33	168.99	1.12	ppb
Iron	56-2	180.02	177.54	180.10	179.22	0.81	ppb
Iron	57-2	169.86	164.91	170.64	168.47	1.84	ppb
Krypton	83-1						cps
Lead	206-1	0.74	0.72	0.74	0.74	1.95	ppb

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	PB163715BSD	Instrumnet Name :	P8
Client Sample ID :	LCSD715	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:37:41	DataFile Name :	059LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.77	0.75	0.76	0.76	1.73	ppb
Lead	208-1	0.75	0.73	0.74	0.74	1.20	ppb
Lithium	6-1				105		%
Magnesium	24-2	427.17	428.11	430.73	428.67	0.43	ppb
Manganese	55-2	0.75	0.81	0.75	0.77	4.41	ppb
Molybdenum	94-1	4.10	4.05	4.07	4.07	0.57	ppb
Molybdenum	95-1	3.37	3.43	3.44	3.41	1.08	ppb
Molybdenum	96-1	3.45	3.39	3.48	3.44	1.24	ppb
Molybdenum	97-1	3.44	3.38	3.39	3.40	0.93	ppb
Molybdenum	98-1	3.38	3.37	3.39	3.38	0.42	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.89	0.87	0.84	0.87	2.75	ppb
Phosphorus	31-2	-66.73	-58.65	-56.32	-60.57		ppb
Potassium	39-2	360.77	360.73	366.51	362.67	0.92	ppb
Rhodium	103-1				105		%
Rhodium	103-2				106		%
Scandium	45-1				105		%
Scandium	45-2				102		%
Selenium	82-1	4.08	3.91	4.33	4.11	5.12	ppb
Selenium	77-2	4.69	4.52	4.46	4.56	2.51	ppb
Selenium	78-2	3.23	3.29	4.00	3.51	12.26	ppb
Silicon	28-1	1.45	1.35	1.23	1.34	8.12	ppb
Silver	107-1	0.77	0.78	0.77	0.77	0.70	ppb
Silver	109-1	0.79	0.81	0.81	0.80	1.16	ppb
Sodium	23-2	387.02	385.37	388.35	386.91	0.39	ppb
Strontium	86-1	0.76	0.71	0.72	0.73	3.38	ppb
Strontium	88-1	0.72	0.71	0.73	0.72	1.03	ppb
Sulfur	34-1	-392.87	-423.72	-372.82	-396.47		ppb
Terbium	159-1				107		%
Terbium	159-2				105		%
Thallium	203-1	0.71	0.70	0.72	0.71	1.46	ppb
Thallium	205-1	0.72	0.71	0.73	0.72	1.41	ppb
Tin	118-1	0.21	0.09	0.08	0.13	52.51	ppb
Titanium	47-1	3.51	3.48	3.58	3.52	1.45	ppb
Uranium	238-1	0.68	0.67	0.69	0.68	1.05	ppb

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	PB163715BSD	Instrumnet Name :	P8
Client Sample ID :	LCSD715	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:37:41	DataFile Name :	059LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	3.77	3.78	3.79	3.78	0.33	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				106		%
Yttrium	89-2				106		%
Zinc	66-2	4.04	3.89	3.98	3.97	1.98	ppb
Zirconium	90-1	0.72	0.72	0.72	0.72	0.24	ppb
Zirconium	91-1	0.74	0.73	0.72	0.73	1.13	ppb

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-01	Instrumnet Name :	P8
Client Sample ID :	MYD4Y4	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:40:58	DataFile Name :	060AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	36796.69	36929.24	36747.32	36824.42	0.26	ppb
Antimony	121-1	1.24	1.26	1.31	1.27	3.05	ppb
Arsenic	75-2	73.67	73.03	73.44	73.38	0.44	ppb
Barium	135-1	306.95	309.40	322.35	312.90	2.64	ppb
Barium	137-1	312.23	307.47	323.21	314.31	2.57	ppb
Beryllium	9-1	1.40	1.49	1.44	1.44	3.23	ppb
Bismuth	209-1				99		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Cadmium	108-1	2.60	2.61	2.69	2.63	1.77	ppb
Cadmium	106-1	2.19	1.47	3.11	2.25	36.43	ppb
Cadmium	111-1	0.54	0.58	0.60	0.57	5.50	ppb
Calcium	43-1	15304.71	15930.88	15667.66	15634.42	2.01	ppb
Calcium	44-1	15260.79	15578.27	15426.07	15421.71	1.03	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	47.95	48.44	48.53	48.31	0.65	ppb
Cobalt	59-2	33.49	34.14	33.99	33.87	1.01	ppb
Copper	63-2	79.65	80.68	79.95	80.09	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				105		%
Holmium	165-2				103		%
Indium	115-1				102		%
Indium	115-2				98		%
Iron	54-2	91293.52	92605.37	91860.86	91919.91	0.72	ppb
Iron	56-2	92093.92	92557.24	92246.03	92299.06	0.26	ppb
Iron	57-2	91145.40	92888.47	93195.44	92409.77	1.20	ppb
Krypton	83-1						cps
Lead	206-1	46.06	45.95	47.41	46.47	1.76	ppb

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-01	Instrumnet Name :	P8
Client Sample ID :	MYD4Y4	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:40:58	DataFile Name :	060AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	44.73	44.44	45.90	45.03	1.72	ppb
Lead	208-1	45.10	45.55	46.28	45.64	1.31	ppb
Lithium	6-1				103		%
Magnesium	24-2	14252.43	14330.56	14261.48	14281.49	0.30	ppb
Manganese	55-2	1516.71	1541.93	1538.19	1532.27	0.89	ppb
Molybdenum	94-1	22.09	22.73	22.43	22.41	1.43	ppb
Molybdenum	95-1	0.96	1.00	1.00	0.99	2.00	ppb
Molybdenum	96-1	3.33	3.47	3.49	3.43	2.58	ppb
Molybdenum	97-1	0.97	0.98	0.99	0.98	0.92	ppb
Molybdenum	98-1	0.95	0.98	0.97	0.97	1.18	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	44.32	44.87	44.48	44.56	0.64	ppb
Phosphorus	31-2	2225.38	2188.00	2194.00	2202.46	0.91	ppb
Potassium	39-2	8460.38	8486.68	8589.25	8512.10	0.80	ppb
Rhodium	103-1				99		%
Rhodium	103-2				98		%
Scandium	45-1				107		%
Scandium	45-2				101		%
Selenium	82-1	1.19	1.13	1.13	1.15	3.17	ppb
Selenium	77-2	42.14	47.62	45.04	44.93	6.11	ppb
Selenium	78-2	10.76	10.45	11.16	10.79	3.30	ppb
Silicon	28-1	1602.30	1654.66	1605.70	1620.89	1.81	ppb
Silver	107-1	0.26	0.26	0.27	0.27	3.07	ppb
Silver	109-1	0.18	0.19	0.19	0.19	0.59	ppb
Sodium	23-2	178.53	179.90	178.93	179.12	0.39	ppb
Strontium	86-1	58.44	60.36	60.02	59.61	1.73	ppb
Strontium	88-1	61.23	63.41	62.74	62.46	1.78	ppb
Sulfur	34-1	599.76	633.67	470.24	567.89	15.19	ppb
Terbium	159-1				105		%
Terbium	159-2				102		%
Thallium	203-1	0.30	0.29	0.29	0.29	2.75	ppb
Thallium	205-1	0.31	0.30	0.30	0.30	2.45	ppb
Tin	118-1	1.53	1.53	1.62	1.56	3.56	ppb
Titanium	47-1	1279.19	1322.61	1319.61	1307.14	1.86	ppb
Uranium	238-1	1.11	1.11	1.12	1.11	0.90	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-01	Instrumnet Name :	P8
Client Sample ID :	MYD4Y4	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:40:58	DataFile Name :	060AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	151.18	148.01	149.97	149.72	1.07	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				111		%
Yttrium	89-2				109		%
Zinc	66-2	235.04	237.30	236.58	236.31	0.49	ppb
Zirconium	90-1	12.25	12.59	12.53	12.46	1.46	ppb
Zirconium	91-1	12.41	12.67	12.63	12.57	1.13	ppb

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-02	Instrumnet Name :	P8
Client Sample ID :	MYD4Y4D	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:44:02	DataFile Name :	061AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	36351.60	36299.46	36677.22	36442.76	0.56	ppb
Antimony	121-1	1.25	1.27	1.26	1.26	1.00	ppb
Arsenic	75-2	73.22	72.43	71.28	72.31	1.35	ppb
Barium	135-1	315.00	316.31	308.37	313.23	1.36	ppb
Barium	137-1	315.03	310.99	314.75	313.59	0.72	ppb
Beryllium	9-1	1.39	1.41	1.43	1.41	1.62	ppb
Bismuth	209-1				99		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Cadmium	108-1	2.76	2.61	2.74	2.70	2.95	ppb
Cadmium	106-1	1.06	1.95	1.96	1.66	31.08	ppb
Cadmium	111-1	0.52	0.54	0.53	0.53	1.92	ppb
Calcium	43-1	15463.77	15513.71	15543.03	15506.83	0.26	ppb
Calcium	44-1	15249.90	15457.09	15064.59	15257.19	1.29	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	48.65	49.24	49.40	49.10	0.81	ppb
Cobalt	59-2	33.69	33.80	33.81	33.77	0.20	ppb
Copper	63-2	80.42	81.26	81.49	81.05	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				106		%
Holmium	165-2				103		%
Indium	115-1				102		%
Indium	115-2				97		%
Iron	54-2	92901.32	92595.79	91525.32	92340.81	0.78	ppb
Iron	56-2	91780.50	90513.06	92398.53	91564.03	1.05	ppb
Iron	57-2	91153.76	90655.44	90784.95	90864.72	0.28	ppb
Krypton	83-1						cps
Lead	206-1	45.22	45.96	44.92	45.36	1.18	ppb

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-02	Instrumnet Name :	P8
Client Sample ID :	MYD4Y4D	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:44:02	DataFile Name :	061AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	44.48	44.82	44.60	44.63	0.39	ppb
Lead	208-1	45.05	45.18	44.99	45.07	0.22	ppb
Lithium	6-1				101		%
Magnesium	24-2	14366.37	14172.53	14261.69	14266.86	0.68	ppb
Manganese	55-2	1542.88	1536.05	1558.81	1545.91	0.76	ppb
Molybdenum	94-1	22.32	22.27	22.49	22.36	0.52	ppb
Molybdenum	95-1	0.96	0.99	0.98	0.98	1.40	ppb
Molybdenum	96-1	3.32	3.44	3.47	3.41	2.21	ppb
Molybdenum	97-1	0.95	1.00	1.01	0.99	3.01	ppb
Molybdenum	98-1	0.94	0.95	0.96	0.95	1.29	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	44.22	44.34	44.00	44.19	0.39	ppb
Phosphorus	31-2	2156.92	2157.58	2145.64	2153.38	0.31	ppb
Potassium	39-2	8419.60	8526.84	8355.83	8434.09	1.02	ppb
Rhodium	103-1				99		%
Rhodium	103-2				98		%
Scandium	45-1				106		%
Scandium	45-2				100		%
Selenium	82-1	1.04	1.16	1.18	1.13	6.66	ppb
Selenium	77-2	48.44	45.78	42.62	45.61	6.39	ppb
Selenium	78-2	10.66	10.61	10.47	10.58	0.91	ppb
Silicon	28-1	1584.05	1601.45	1615.44	1600.31	0.98	ppb
Silver	107-1	0.26	0.26	0.26	0.26	0.87	ppb
Silver	109-1	0.18	0.17	0.18	0.18	1.11	ppb
Sodium	23-2	177.11	177.40	176.36	176.96	0.30	ppb
Strontium	86-1	58.52	58.68	59.01	58.74	0.43	ppb
Strontium	88-1	60.86	61.46	62.11	61.47	1.01	ppb
Sulfur	34-1	439.40	346.22	431.10	405.57	12.71	ppb
Terbium	159-1				105		%
Terbium	159-2				102		%
Thallium	203-1	0.28	0.28	0.29	0.28	0.50	ppb
Thallium	205-1	0.28	0.28	0.28	0.28	0.82	ppb
Tin	118-1	1.61	1.65	1.62	1.63	1.29	ppb
Titanium	47-1	1291.66	1330.58	1292.13	1304.79	1.71	ppb
Uranium	238-1	1.10	1.09	1.11	1.10	1.05	ppb

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-02	Instrumnet Name :	P8
Client Sample ID :	MYD4Y4D	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:44:02	DataFile Name :	061AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	148.73	148.73	149.66	149.04	0.36	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				110		%
Yttrium	89-2				108		%
Zinc	66-2	234.53	234.53	234.93	234.66	0.10	ppb
Zirconium	90-1	12.37	12.52	12.55	12.48	0.79	ppb
Zirconium	91-1	12.43	12.48	12.57	12.49	0.57	ppb

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-01LX5	Instrumnet Name :	P8
Client Sample ID :	MYD4Y4L	Dilution Factor :	5
Date & Time Acquired :	2024-10-02 19:47:08	DataFile Name :	062AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	7318.57	7334.90	7519.54	7391.00	1.51	ppb
Antimony	121-1	0.24	0.24	0.24	0.24	1.08	ppb
Arsenic	75-2	14.60	15.33	14.92	14.95	2.46	ppb
Barium	135-1	56.66	57.24	56.57	56.82	0.65	ppb
Barium	137-1	57.90	59.12	57.68	58.23	1.33	ppb
Beryllium	9-1	0.28	0.28	0.29	0.28	0.71	ppb
Bismuth	209-1				104		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Cadmium	108-1	0.57	0.58	0.46	0.54	12.14	ppb
Cadmium	106-1	-4.28	-4.57	-4.40	-4.42		ppb
Cadmium	111-1	0.06	0.08	0.09	0.08	18.18	ppb
Calcium	43-1	2837.21	2967.51	2967.38	2924.04	2.57	ppb
Calcium	44-1	2957.71	3117.73	3084.08	3053.18	2.76	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	9.44	9.44	9.60	9.49	0.98	ppb
Cobalt	59-2	6.70	6.73	6.83	6.75	0.96	ppb
Copper	63-2	17.40	17.43	17.57	17.47	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				107		%
Holmium	165-2				106		%
Indium	115-1				105		%
Indium	115-2				102		%
Iron	54-2	18399.48	18097.04	18673.96	18390.16	1.57	ppb
Iron	56-2	18443.27	18266.81	18550.58	18420.22	0.78	ppb
Iron	57-2	18533.60	18520.36	18295.42	18449.79	0.73	ppb
Krypton	83-1						cps
Lead	206-1	8.17	8.27	8.57	8.34	2.47	ppb

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-01LX5	Instrumnet Name :	P8
Client Sample ID :	MYD4Y4L	Dilution Factor :	5
Date & Time Acquired :	2024-10-02 19:47:08	DataFile Name :	062AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	8.26	8.49	8.63	8.46	2.18	ppb
Lead	208-1	8.14	8.28	8.44	8.29	1.85	ppb
Lithium	6-1				100		%
Magnesium	24-2	2843.05	2846.83	2854.00	2847.96	0.20	ppb
Manganese	55-2	309.65	306.25	310.68	308.86	0.75	ppb
Molybdenum	94-1	4.64	4.52	4.57	4.58	1.25	ppb
Molybdenum	95-1	0.21	0.21	0.19	0.20	5.44	ppb
Molybdenum	96-1	0.71	0.70	0.69	0.70	0.86	ppb
Molybdenum	97-1	0.19	0.21	0.19	0.20	4.28	ppb
Molybdenum	98-1	0.19	0.20	0.19	0.20	2.82	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	9.48	9.29	9.26	9.34	1.30	ppb
Phosphorus	31-2	375.90	328.72	379.20	361.28	7.82	ppb
Potassium	39-2	1581.27	1579.54	1587.25	1582.69	0.26	ppb
Rhodium	103-1				103		%
Rhodium	103-2				104		%
Scandium	45-1				104		%
Scandium	45-2				99		%
Selenium	82-1	0.40	0.34	0.29	0.34	15.94	ppb
Selenium	77-2	10.83	13.03	10.26	11.37	12.85	ppb
Selenium	78-2	1.87	1.61	2.36	1.95	19.36	ppb
Silicon	28-1	314.57	325.16	319.12	319.61	1.66	ppb
Silver	107-1	0.05	0.05	0.05	0.05	3.72	ppb
Silver	109-1	0.03	0.03	0.04	0.03	6.12	ppb
Sodium	23-2	40.11	40.26	40.16	40.18	0.20	ppb
Strontium	86-1	12.21	12.14	12.05	12.13	0.65	ppb
Strontium	88-1	12.54	12.82	12.78	12.71	1.18	ppb
Sulfur	34-1	-634.35	-532.05	-588.65	-585.02		ppb
Terbium	159-1				106		%
Terbium	159-2				104		%
Thallium	203-1	0.05	0.05	0.05	0.05	0.27	ppb
Thallium	205-1	0.06	0.05	0.06	0.06	4.94	ppb
Tin	118-1	0.42	0.43	0.43	0.42	0.60	ppb
Titanium	47-1	257.36	272.17	268.46	266.00	2.90	ppb
Uranium	238-1	0.20	0.21	0.21	0.20	1.91	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-01LX5	Instrumnet Name :	P8
Client Sample ID :	MYD4Y4L	Dilution Factor :	5
Date & Time Acquired :	2024-10-02 19:47:08	DataFile Name :	062AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	27.46	27.38	27.63	27.49	0.47	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				106		%
Yttrium	89-2				105		%
Zinc	66-2	48.66	48.72	48.89	48.76	0.25	ppb
Zirconium	90-1	2.52	2.52	2.52	2.52	0.12	ppb
Zirconium	91-1	2.53	2.51	2.52	2.52	0.43	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-03	Instrumnet Name :	P8
Client Sample ID :	MYD4Y4S	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:50:18	DataFile Name :	063AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	37849.95	38236.05	37710.82	37932.27	0.72	ppb
Antimony	121-1	61.95	61.98	62.63	62.19	0.62	ppb
Arsenic	75-2	95.31	95.61	97.52	96.15	1.25	ppb
Barium	135-1	1454.91	1446.50	1471.52	1457.65	0.87	ppb
Barium	137-1	1482.99	1454.07	1453.07	1463.38	1.16	ppb
Beryllium	9-1	27.42	27.79	27.29	27.50	0.95	ppb
Bismuth	209-1				99		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Cadmium	108-1	25.26	25.28	25.01	25.18	0.59	ppb
Cadmium	106-1	24.32	23.40	23.51	23.75	2.12	ppb
Cadmium	111-1	29.77	29.75	30.04	29.85	0.54	ppb
Calcium	43-1	15423.79	15261.50	15710.37	15465.22	1.47	ppb
Calcium	44-1	15538.51	15471.62	15479.63	15496.59	0.24	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	177.80	174.81	175.50	176.04	0.89	ppb
Cobalt	59-2	343.30	343.37	338.88	341.85	0.75	ppb
Copper	63-2	233.48	238.24	231.92	234.55	1.40	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				103		%
Indium	115-1				102		%
Indium	115-2				99		%
Iron	54-2	92168.15	93858.00	93010.23	93012.13	0.91	ppb
Iron	56-2	93588.68	93493.34	92352.21	93144.75	0.74	ppb
Iron	57-2	92320.72	94468.32	93517.56	93435.54	1.15	ppb
Krypton	83-1						cps
Lead	206-1	58.10	58.12	58.66	58.29	0.54	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-03	Instrumnet Name :	P8
Client Sample ID :	MYD4Y4S	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:50:18	DataFile Name :	063AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	58.57	58.37	59.26	58.73	0.79	ppb
Lead	208-1	57.22	57.70	57.92	57.61	0.62	ppb
Lithium	6-1				101		%
Magnesium	24-2	14225.77	14499.90	14295.30	14340.32	0.99	ppb
Manganese	55-2	1848.76	1821.72	1828.33	1832.93	0.77	ppb
Molybdenum	94-1	22.02	22.67	22.75	22.48	1.78	ppb
Molybdenum	95-1	0.99	0.99	0.99	0.99	0.17	ppb
Molybdenum	96-1	3.30	3.50	3.54	3.44	3.78	ppb
Molybdenum	97-1	0.97	1.01	0.99	0.99	1.75	ppb
Molybdenum	98-1	0.94	1.00	0.98	0.97	2.97	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	356.68	369.61	360.31	362.20	1.84	ppb
Phosphorus	31-2	2173.60	2164.72	2136.73	2158.35	0.89	ppb
Potassium	39-2	8551.35	8405.56	8467.19	8474.70	0.86	ppb
Rhodium	103-1				100		%
Rhodium	103-2				97		%
Scandium	45-1				107		%
Scandium	45-2				100		%
Selenium	82-1	55.84	57.53	58.21	57.19	2.13	ppb
Selenium	77-2	107.07	105.22	103.77	105.35	1.57	ppb
Selenium	78-2	63.34	66.52	66.55	65.47	2.81	ppb
Silicon	28-1	1588.08	1572.15	1611.35	1590.52	1.24	ppb
Silver	107-1	30.67	30.26	30.97	30.64	1.16	ppb
Silver	109-1	30.80	31.44	31.58	31.28	1.33	ppb
Sodium	23-2	175.23	177.74	177.08	176.68	0.74	ppb
Strontium	86-1	58.02	59.99	60.44	59.48	2.17	ppb
Strontium	88-1	60.61	62.92	62.16	61.90	1.90	ppb
Sulfur	34-1	306.70	320.26	417.94	348.30	17.42	ppb
Terbium	159-1				105		%
Terbium	159-2				101		%
Thallium	203-1	27.57	28.33	28.33	28.08	1.55	ppb
Thallium	205-1	29.53	29.67	29.62	29.61	0.24	ppb
Tin	118-1	1.59	1.61	1.64	1.61	1.56	ppb
Titanium	47-1	1299.38	1311.64	1317.51	1309.51	0.71	ppb
Uranium	238-1	1.09	1.12	1.12	1.11	1.41	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-03	Instrumnet Name :	P8
Client Sample ID :	MYD4Y4S	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:50:18	DataFile Name :	063AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	436.31	441.72	446.17	441.40	1.12	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	523.52	525.08	524.20	524.26	0.15	ppb
Zirconium	90-1	12.21	12.55	12.64	12.47	1.83	ppb
Zirconium	91-1	12.26	12.69	12.73	12.56	2.04	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-01MS	Instrumnet Name :	P8
Client Sample ID :	MYD4Y4SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:53:17	DataFile Name :	064AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	41038.33	40884.28	40391.18	40771.26	0.83	ppb
Antimony	121-1	283.92	286.21	286.17	285.43	0.46	ppb
Arsenic	75-2	180.62	180.75	181.35	180.90	0.22	ppb
Barium	135-1	5663.86	5772.34	5752.39	5729.53	1.01	ppb
Barium	137-1	5823.21	5811.31	5874.04	5836.18	0.57	ppb
Beryllium	9-1	135.15	136.17	137.32	136.21	0.80	ppb
Bismuth	209-1				98		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Cadmium	108-1	108.82	107.57	110.27	108.89	1.24	ppb
Cadmium	106-1	103.51	103.75	104.82	104.02	0.67	ppb
Cadmium	111-1	144.09	146.19	138.63	142.97	2.73	ppb
Calcium	43-1	15113.38	15187.54	14900.44	15067.12	0.99	ppb
Calcium	44-1	15018.81	15237.12	14813.74	15023.22	1.41	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	622.90	632.82	629.59	628.44	0.81	ppb
Cobalt	59-2	1493.73	1485.24	1488.86	1489.28	0.29	ppb
Copper	63-2	786.31	776.40	783.29	782.00	0.65	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				100		%
Indium	115-1				100		%
Indium	115-2				95		%
Iron	54-2	92034.90	92621.30	92864.23	92506.81	0.46	ppb
Iron	56-2	92716.48	92140.40	92258.37	92371.75	0.33	ppb
Iron	57-2	92618.14	92409.64	91925.20	92317.66	0.39	ppb
Krypton	83-1						cps
Lead	206-1	100.87	104.69	100.19	101.92	2.38	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-01MS	Instrumnet Name :	P8
Client Sample ID :	MYD4Y4SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:53:17	DataFile Name :	064AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	101.55	102.33	99.77	101.22	1.29	ppb
Lead	208-1	99.65	101.87	99.22	100.24	1.42	ppb
Lithium	6-1				99		%
Magnesium	24-2	13984.93	13654.79	13829.19	13822.97	1.19	ppb
Manganese	55-2	2828.39	2861.65	2875.48	2855.18	0.85	ppb
Molybdenum	94-1	21.69	22.06	22.23	22.00	1.24	ppb
Molybdenum	95-1	0.97	0.97	0.98	0.97	0.59	ppb
Molybdenum	96-1	3.36	3.39	3.39	3.38	0.53	ppb
Molybdenum	97-1	0.97	0.98	0.99	0.98	0.78	ppb
Molybdenum	98-1	0.98	0.98	1.01	0.99	1.61	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1501.20	1520.36	1508.09	1509.88	0.64	ppb
Phosphorus	31-2	2048.58	2108.88	2052.02	2069.83	1.64	ppb
Potassium	39-2	8318.39	8221.16	8183.74	8241.10	0.84	ppb
Rhodium	103-1				97		%
Rhodium	103-2				96		%
Scandium	45-1				104		%
Scandium	45-2				97		%
Selenium	82-1	289.57	294.52	292.97	292.35	0.87	ppb
Selenium	77-2	326.81	349.21	318.27	331.43	4.82	ppb
Selenium	78-2	306.98	298.46	301.40	302.28	1.43	ppb
Silicon	28-1	1558.90	1578.97	1550.03	1562.63	0.95	ppb
Silver	107-1	134.18	129.28	136.24	133.23	2.68	ppb
Silver	109-1	127.39	133.57	135.71	132.22	3.27	ppb
Sodium	23-2	170.05	171.51	171.46	171.01	0.49	ppb
Strontium	86-1	57.47	57.97	58.01	57.82	0.53	ppb
Strontium	88-1	60.74	61.69	60.98	61.13	0.81	ppb
Sulfur	34-1	350.87	376.70	208.73	312.10	28.98	ppb
Terbium	159-1				104		%
Terbium	159-2				100		%
Thallium	203-1	138.42	139.07	135.80	137.76	1.26	ppb
Thallium	205-1	138.63	139.73	137.60	138.65	0.77	ppb
Tin	118-1	1.51	1.49	1.54	1.51	1.88	ppb
Titanium	47-1	1267.28	1290.58	1281.68	1279.85	0.92	ppb
Uranium	238-1	1.10	1.09	1.07	1.09	1.01	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-01MS	Instrumnet Name :	P8
Client Sample ID :	MYD4Y4SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:53:17	DataFile Name :	064AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	1532.84	1537.44	1526.86	1532.38	0.35	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	1707.15	1699.27	1701.84	1702.75	0.24	ppb
Zirconium	90-1	12.16	12.31	12.28	12.25	0.64	ppb
Zirconium	91-1	12.22	12.31	12.34	12.29	0.48	ppb

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-04	Instrumnet Name :	P8
Client Sample ID :	MYD4Y8	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:56:09	DataFile Name :	065AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	38468.24	38189.40	38433.89	38363.84	0.40	ppb
Antimony	121-1	1.61	1.68	1.67	1.66	2.47	ppb
Arsenic	75-2	80.08	78.56	78.01	78.88	1.36	ppb
Barium	135-1	322.78	324.25	324.55	323.86	0.29	ppb
Barium	137-1	317.08	328.93	325.37	323.80	1.88	ppb
Beryllium	9-1	1.18	1.23	1.22	1.21	2.07	ppb
Bismuth	209-1				99		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Cadmium	108-1	2.28	2.08	2.32	2.23	5.62	ppb
Cadmium	106-1	0.19	-0.36	-1.62	-0.60		ppb
Cadmium	111-1	0.89	0.94	0.92	0.92	2.82	ppb
Calcium	43-1	12117.90	12375.65	12342.04	12278.53	1.14	ppb
Calcium	44-1	12284.50	12313.11	12314.73	12304.11	0.14	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	43.25	42.59	42.83	42.89	0.78	ppb
Cobalt	59-2	32.09	31.87	32.13	32.03	0.43	ppb
Copper	63-2	127.41	123.08	124.94	125.14	1.73	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				101		%
Indium	115-1				101		%
Indium	115-2				95		%
Iron	54-2	97031.31	95665.60	98086.40	96927.77	1.25	ppb
Iron	56-2	97245.88	96404.51	96428.44	96692.95	0.50	ppb
Iron	57-2	96767.26	95632.49	97155.32	96518.36	0.82	ppb
Krypton	83-1						cps
Lead	206-1	54.92	55.77	55.71	55.47	0.85	ppb

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-04	Instrumnet Name :	P8
Client Sample ID :	MYD4Y8	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:56:09	DataFile Name :	065AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	56.08	57.43	56.95	56.82	1.20	ppb
Lead	208-1	54.52	55.51	56.05	55.36	1.40	ppb
Lithium	6-1				101		%
Magnesium	24-2	13176.48	13102.60	13128.60	13135.89	0.29	ppb
Manganese	55-2	1318.60	1322.52	1317.88	1319.67	0.19	ppb
Molybdenum	94-1	16.09	16.12	16.40	16.20	1.05	ppb
Molybdenum	95-1	0.89	0.89	0.88	0.89	0.44	ppb
Molybdenum	96-1	2.72	2.68	2.67	2.69	0.95	ppb
Molybdenum	97-1	0.90	0.90	0.86	0.89	2.28	ppb
Molybdenum	98-1	0.86	0.86	0.86	0.86	0.35	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	32.66	32.24	32.13	32.34	0.88	ppb
Phosphorus	31-2	1851.50	1756.21	1825.16	1810.96	2.72	ppb
Potassium	39-2	4960.83	4887.53	4877.85	4908.74	0.92	ppb
Rhodium	103-1				97		%
Rhodium	103-2				97		%
Scandium	45-1				104		%
Scandium	45-2				97		%
Selenium	82-1	1.32	1.30	1.10	1.24	10.01	ppb
Selenium	77-2	34.60	45.57	40.45	40.21	13.65	ppb
Selenium	78-2	8.88	8.05	9.07	8.67	6.27	ppb
Silicon	28-1	1642.97	1640.53	1634.60	1639.37	0.26	ppb
Silver	107-1	0.48	0.48	0.47	0.48	0.42	ppb
Silver	109-1	0.40	0.40	0.41	0.40	1.01	ppb
Sodium	23-2	152.75	152.15	152.49	152.46	0.20	ppb
Strontium	86-1	62.72	62.89	62.36	62.65	0.43	ppb
Strontium	88-1	66.27	65.39	64.58	65.41	1.29	ppb
Sulfur	34-1	-599.32	-579.56	-623.26	-600.71		ppb
Terbium	159-1				104		%
Terbium	159-2				101		%
Thallium	203-1	0.24	0.24	0.24	0.24	0.76	ppb
Thallium	205-1	0.25	0.25	0.25	0.25	1.24	ppb
Tin	118-1	1.85	1.92	1.91	1.89	2.04	ppb
Titanium	47-1	1389.69	1419.90	1410.07	1406.55	1.10	ppb
Uranium	238-1	0.90	0.91	0.92	0.91	0.72	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-04	Instrumnet Name :	P8
Client Sample ID :	MYD4Y8	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:56:09	DataFile Name :	065AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	189.12	188.69	191.58	189.79	0.82	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				107		%
Yttrium	89-2				104		%
Zinc	66-2	245.42	245.10	245.12	245.21	0.07	ppb
Zirconium	90-1	8.80	8.88	8.79	8.82	0.57	ppb
Zirconium	91-1	8.86	9.02	8.99	8.96	0.98	ppb

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-05	Instrumnet Name :	P8
Client Sample ID :	MYD4Y9	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:59:13	DataFile Name :	066AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	26496.88	26610.00	26416.53	26507.80	0.37	ppb
Antimony	121-1	2.25	2.32	2.35	2.30	2.21	ppb
Arsenic	75-2	88.06	88.95	91.20	89.40	1.81	ppb
Barium	135-1	197.52	203.59	199.91	200.34	1.53	ppb
Barium	137-1	198.39	203.25	202.76	201.47	1.33	ppb
Beryllium	9-1	0.86	0.88	0.86	0.87	1.35	ppb
Bismuth	209-1				100		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Cadmium	108-1	2.27	2.28	1.98	2.18	7.86	ppb
Cadmium	106-1	-2.24	-0.95	-1.01	-1.40		ppb
Cadmium	111-1	1.23	1.25	1.32	1.27	3.75	ppb
Calcium	43-1	9016.01	9205.43	9525.14	9248.86	2.78	ppb
Calcium	44-1	9086.10	9180.89	9279.34	9182.11	1.05	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	29.56	29.64	29.48	29.56	0.28	ppb
Cobalt	59-2	27.19	27.25	27.44	27.30	0.47	ppb
Copper	63-2	164.85	165.16	165.19	165.07	0.11	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				101		%
Indium	115-1				101		%
Indium	115-2				95		%
Iron	54-2	74083.75	74920.01	74380.96	74461.57	0.57	ppb
Iron	56-2	73878.80	74080.29	74503.03	74154.04	0.43	ppb
Iron	57-2	75046.57	74188.16	74606.27	74613.67	0.58	ppb
Krypton	83-1						cps
Lead	206-1	71.24	73.31	73.16	72.57	1.59	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-05	Instrumnet Name :	P8
Client Sample ID :	MYD4Y9	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:59:13	DataFile Name :	066AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	75.97	76.47	76.37	76.27	0.35	ppb
Lead	208-1	73.24	74.21	73.59	73.68	0.66	ppb
Lithium	6-1				99		%
Magnesium	24-2	10065.72	10176.92	9923.31	10055.32	1.26	ppb
Manganese	55-2	1142.28	1131.71	1140.75	1138.24	0.50	ppb
Molybdenum	94-1	13.93	14.14	14.26	14.11	1.17	ppb
Molybdenum	95-1	0.95	0.95	0.97	0.96	1.27	ppb
Molybdenum	96-1	2.51	2.54	2.57	2.54	1.14	ppb
Molybdenum	97-1	0.96	0.96	0.97	0.96	0.89	ppb
Molybdenum	98-1	0.93	0.94	0.94	0.94	0.60	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	26.07	26.18	25.92	26.06	0.49	ppb
Phosphorus	31-2	1570.98	1607.61	1603.32	1593.97	1.26	ppb
Potassium	39-2	5438.91	5434.35	5260.55	5377.94	1.89	ppb
Rhodium	103-1				98		%
Rhodium	103-2				97		%
Scandium	45-1				102		%
Scandium	45-2				96		%
Selenium	82-1	1.06	1.15	1.07	1.09	4.52	ppb
Selenium	77-2	32.96	28.40	29.03	30.13	8.21	ppb
Selenium	78-2	7.72	6.51	6.12	6.78	12.32	ppb
Silicon	28-1	898.92	917.81	935.53	917.42	2.00	ppb
Silver	107-1	0.53	0.52	0.53	0.52	1.05	ppb
Silver	109-1	0.47	0.47	0.49	0.48	2.80	ppb
Sodium	23-2	131.02	132.48	130.11	131.20	0.91	ppb
Strontium	86-1	45.59	46.28	46.19	46.02	0.81	ppb
Strontium	88-1	48.09	48.33	48.33	48.25	0.28	ppb
Sulfur	34-1	-767.37	-744.12	-707.95	-739.82		ppb
Terbium	159-1				105		%
Terbium	159-2				100		%
Thallium	203-1	0.20	0.20	0.20	0.20	1.22	ppb
Thallium	205-1	0.20	0.21	0.21	0.21	1.04	ppb
Tin	118-1	1.68	1.69	1.68	1.68	0.55	ppb
Titanium	47-1	1389.18	1402.48	1405.10	1398.92	0.61	ppb
Uranium	238-1	0.69	0.71	0.70	0.70	1.43	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-05	Instrumnet Name :	P8
Client Sample ID :	MYD4Y9	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:59:13	DataFile Name :	066AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	127.48	128.29	127.31	127.69	0.41	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				106		%
Yttrium	89-2				103		%
Zinc	66-2	266.92	264.41	263.15	264.83	0.73	ppb
Zirconium	90-1	7.62	7.72	7.78	7.71	1.04	ppb
Zirconium	91-1	7.79	7.69	7.91	7.80	1.43	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-06	Instrumnet Name :	P8
Client Sample ID :	MYD4Z0	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 20:02:16	DataFile Name :	067AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	21044.67	20741.90	20301.64	20696.07	1.81	ppb
Antimony	121-1	1.70	1.63	1.72	1.69	2.85	ppb
Arsenic	75-2	51.82	53.01	53.07	52.63	1.34	ppb
Barium	135-1	184.80	176.80	179.95	180.51	2.23	ppb
Barium	137-1	184.76	174.07	181.73	180.19	3.06	ppb
Beryllium	9-1	0.78	0.76	0.77	0.77	1.13	ppb
Bismuth	209-1				99		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Cadmium	108-1	1.48	1.47	1.52	1.49	1.68	ppb
Cadmium	106-1	-2.51	-2.82	-3.70	-3.01		ppb
Cadmium	111-1	0.69	0.66	0.70	0.69	2.71	ppb
Calcium	43-1	8016.56	7558.21	7446.36	7673.71	3.94	ppb
Calcium	44-1	7856.31	7659.34	7683.54	7733.06	1.39	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	25.36	25.66	24.99	25.34	1.32	ppb
Cobalt	59-2	24.43	23.92	24.15	24.17	1.05	ppb
Copper	63-2	77.22	77.12	76.32	76.89	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				106		%
Holmium	165-2				101		%
Indium	115-1				100		%
Indium	115-2				95		%
Iron	54-2	67600.13	67639.78	66984.68	67408.20	0.54	ppb
Iron	56-2	66845.06	66968.11	66741.62	66851.60	0.17	ppb
Iron	57-2	66747.39	67277.64	67230.43	67085.15	0.44	ppb
Krypton	83-1						cps
Lead	206-1	38.32	37.12	38.55	38.00	2.02	ppb

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-06	Instrumnet Name :	P8
Client Sample ID :	MYD4Z0	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 20:02:16	DataFile Name :	067AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	39.79	38.10	39.92	39.27	2.58	ppb
Lead	208-1	39.62	37.85	39.23	38.90	2.40	ppb
Lithium	6-1				100		%
Magnesium	24-2	8397.18	8494.52	8421.78	8437.83	0.60	ppb
Manganese	55-2	953.05	960.81	949.34	954.40	0.61	ppb
Molybdenum	94-1	10.72	10.49	10.71	10.64	1.22	ppb
Molybdenum	95-1	0.84	0.79	0.84	0.82	3.37	ppb
Molybdenum	96-1	2.00	1.96	2.04	2.00	2.04	ppb
Molybdenum	97-1	0.83	0.82	0.79	0.82	2.56	ppb
Molybdenum	98-1	0.83	0.79	0.83	0.82	2.58	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	23.44	23.38	23.14	23.32	0.68	ppb
Phosphorus	31-2	1464.10	1465.56	1426.83	1452.17	1.51	ppb
Potassium	39-2	4399.98	4523.60	4519.27	4480.95	1.57	ppb
Rhodium	103-1				98		%
Rhodium	103-2				96		%
Scandium	45-1				101		%
Scandium	45-2				94		%
Selenium	82-1	0.69	0.72	0.81	0.74	8.07	ppb
Selenium	77-2	25.65	27.12	27.62	26.80	3.81	ppb
Selenium	78-2	6.21	5.44	4.70	5.45	13.83	ppb
Silicon	28-1	1173.80	1140.99	1141.69	1152.16	1.63	ppb
Silver	107-1	0.22	0.21	0.22	0.22	3.00	ppb
Silver	109-1	0.18	0.17	0.17	0.17	4.33	ppb
Sodium	23-2	113.16	111.98	111.64	112.26	0.71	ppb
Strontium	86-1	39.66	38.81	39.99	39.49	1.55	ppb
Strontium	88-1	40.81	40.43	41.98	41.07	1.97	ppb
Sulfur	34-1	-719.92	-820.01	-774.53	-771.49		ppb
Terbium	159-1				103		%
Terbium	159-2				99		%
Thallium	203-1	0.17	0.16	0.17	0.17	1.03	ppb
Thallium	205-1	0.17	0.17	0.17	0.17	2.21	ppb
Tin	118-1	1.41	1.35	1.41	1.39	2.50	ppb
Titanium	47-1	1128.59	1092.99	1109.25	1110.28	1.61	ppb
Uranium	238-1	0.64	0.61	0.64	0.63	2.60	ppb

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-06	Instrumnet Name :	P8
Client Sample ID :	MYD4Z0	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 20:02:16	DataFile Name :	067AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	115.26	116.26	116.50	116.01	0.57	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	174.23	174.29	173.81	174.11	0.15	ppb
Zirconium	90-1	5.78	5.66	5.82	5.75	1.46	ppb
Zirconium	91-1	5.75	5.65	5.89	5.76	2.12	ppb

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-07	Instrumnet Name :	P8
Client Sample ID :	MYD4Z1	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 20:05:25	DataFile Name :	068AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	33384.85	33696.45	33436.08	33505.79	0.50	ppb
Antimony	121-1	1.53	1.60	1.61	1.58	2.85	ppb
Arsenic	75-2	74.75	73.34	71.49	73.19	2.23	ppb
Barium	135-1	306.00	316.18	313.94	312.04	1.71	ppb
Barium	137-1	308.29	317.84	317.40	314.51	1.71	ppb
Beryllium	9-1	1.24	1.25	1.28	1.25	1.67	ppb
Bismuth	209-1				98		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Cadmium	108-1	2.53	2.67	2.52	2.57	3.40	ppb
Cadmium	106-1	0.43	0.65	0.12	0.40	66.23	ppb
Cadmium	111-1	0.63	0.67	0.69	0.66	4.61	ppb
Calcium	43-1	13204.06	13733.42	13849.68	13595.72	2.53	ppb
Calcium	44-1	12841.60	13696.50	13711.48	13416.53	3.71	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	56.30	56.25	56.55	56.37	0.28	ppb
Cobalt	59-2	35.39	35.71	35.47	35.52	0.48	ppb
Copper	63-2	94.96	95.32	95.93	95.41	0.51	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				101		%
Indium	115-1				100		%
Indium	115-2				95		%
Iron	54-2	105036.83	103237.91	105124.97	104466.57	1.02	ppb
Iron	56-2	103920.74	103680.39	103184.15	103595.09	0.36	ppb
Iron	57-2	103988.80	104450.94	104199.66	104213.13	0.22	ppb
Krypton	83-1						cps
Lead	206-1	45.08	48.17	48.32	47.19	3.88	ppb

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-07	Instrumnet Name :	P8
Client Sample ID :	MYD4Z1	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 20:05:25	DataFile Name :	068AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	44.00	46.79	47.19	45.99	3.77	ppb
Lead	208-1	44.50	47.13	47.49	46.37	3.52	ppb
Lithium	6-1				98		%
Magnesium	24-2	14046.12	14019.24	14077.78	14047.71	0.21	ppb
Manganese	55-2	1539.09	1537.95	1549.65	1542.23	0.42	ppb
Molybdenum	94-1	21.49	22.07	22.33	21.96	1.97	ppb
Molybdenum	95-1	1.63	1.72	1.70	1.69	2.86	ppb
Molybdenum	96-1	3.97	4.13	4.17	4.09	2.63	ppb
Molybdenum	97-1	1.63	1.71	1.70	1.68	2.61	ppb
Molybdenum	98-1	1.62	1.65	1.68	1.65	1.83	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	42.24	42.85	42.64	42.58	0.73	ppb
Phosphorus	31-2	2571.66	2650.83	2671.45	2631.31	2.00	ppb
Potassium	39-2	8783.24	8766.00	8756.87	8768.70	0.15	ppb
Rhodium	103-1				96		%
Rhodium	103-2				95		%
Scandium	45-1				101		%
Scandium	45-2				95		%
Selenium	82-1	0.93	1.09	1.53	1.18	26.09	ppb
Selenium	77-2	49.18	50.70	49.63	49.84	1.56	ppb
Selenium	78-2	11.32	12.03	10.89	11.41	5.03	ppb
Silicon	28-1	970.77	1013.31	998.17	994.08	2.17	ppb
Silver	107-1	0.27	0.29	0.30	0.29	3.61	ppb
Silver	109-1	0.20	0.21	0.21	0.21	4.26	ppb
Sodium	23-2	159.57	160.76	161.14	160.49	0.51	ppb
Strontium	86-1	58.02	60.05	61.27	59.78	2.75	ppb
Strontium	88-1	60.56	62.16	63.45	62.06	2.34	ppb
Sulfur	34-1	-183.68	87.35	14.91	-27.14		ppb
Terbium	159-1				104		%
Terbium	159-2				101		%
Thallium	203-1	0.27	0.29	0.29	0.28	4.41	ppb
Thallium	205-1	0.27	0.29	0.29	0.28	2.87	ppb
Tin	118-1	1.65	1.78	1.75	1.72	3.84	ppb
Titanium	47-1	1613.96	1677.90	1709.51	1667.12	2.92	ppb
Uranium	238-1	1.11	1.15	1.18	1.15	2.67	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-07	Instrumnet Name :	P8
Client Sample ID :	MYD4Z1	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 20:05:25	DataFile Name :	068AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	201.48	205.31	204.02	203.61	0.96	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				108		%
Yttrium	89-2				104		%
Zinc	66-2	224.88	227.75	226.21	226.28	0.63	ppb
Zirconium	90-1	11.67	11.94	12.15	11.92	2.03	ppb
Zirconium	91-1	11.47	12.04	12.14	11.88	3.05	ppb

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-08	Instrumnet Name :	P8
Client Sample ID :	MYD4Z2	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 20:08:29	DataFile Name :	069AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	36322.37	36549.35	36718.58	36530.10	0.54	ppb
Antimony	121-1	1.96	1.95	2.01	1.97	1.59	ppb
Arsenic	75-2	99.64	100.02	97.79	99.15	1.21	ppb
Barium	135-1	310.16	302.82	311.17	308.05	1.48	ppb
Barium	137-1	316.21	303.98	311.30	310.50	1.98	ppb
Beryllium	9-1	1.31	1.29	1.31	1.30	0.96	ppb
Bismuth	209-1				99		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Cadmium	108-1	2.27	2.44	2.41	2.37	3.88	ppb
Cadmium	106-1	-0.98	-1.95	-0.94	-1.29		ppb
Cadmium	111-1	1.30	1.25	1.31	1.29	2.67	ppb
Calcium	43-1	12318.39	12177.82	12107.01	12201.07	0.88	ppb
Calcium	44-1	11966.87	12095.51	11974.30	12012.23	0.60	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	36.10	36.42	36.39	36.30	0.49	ppb
Cobalt	59-2	39.65	39.14	39.38	39.39	0.64	ppb
Copper	63-2	209.50	209.82	209.31	209.54	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				105		%
Holmium	165-2				102		%
Indium	115-1				101		%
Indium	115-2				94		%
Iron	54-2	101349.22	101247.41	101582.27	101392.97	0.17	ppb
Iron	56-2	100741.39	101491.45	101293.21	101175.35	0.38	ppb
Iron	57-2	102010.03	101360.65	101189.37	101520.01	0.43	ppb
Krypton	83-1						cps
Lead	206-1	72.07	71.66	72.79	72.17	0.80	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-08	Instrumnet Name :	P8
Client Sample ID :	MYD4Z2	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 20:08:29	DataFile Name :	069AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	71.66	73.98	75.66	73.77	2.72	ppb
Lead	208-1	70.90	71.95	73.05	71.97	1.49	ppb
Lithium	6-1				98		%
Magnesium	24-2	15157.85	15318.40	15063.94	15180.06	0.85	ppb
Manganese	55-2	1725.91	1723.64	1733.97	1727.84	0.31	ppb
Molybdenum	94-1	14.35	14.95	14.73	14.68	2.10	ppb
Molybdenum	95-1	0.97	0.99	1.02	0.99	2.22	ppb
Molybdenum	96-1	2.65	2.73	2.73	2.70	1.69	ppb
Molybdenum	97-1	0.97	1.02	0.99	0.99	2.31	ppb
Molybdenum	98-1	0.95	0.98	0.98	0.97	1.67	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	36.17	36.14	35.96	36.09	0.31	ppb
Phosphorus	31-2	2070.79	2054.22	2060.57	2061.86	0.41	ppb
Potassium	39-2	7103.65	7132.68	7100.71	7112.34	0.25	ppb
Rhodium	103-1				97		%
Rhodium	103-2				95		%
Scandium	45-1				103		%
Scandium	45-2				95		%
Selenium	82-1	1.47	1.19	1.20	1.29	12.57	ppb
Selenium	77-2	36.64	39.98	33.36	36.66	9.04	ppb
Selenium	78-2	9.94	9.28	8.14	9.12	10.00	ppb
Silicon	28-1	1138.21	1139.38	1127.00	1134.87	0.60	ppb
Silver	107-1	0.51	0.50	0.51	0.50	1.31	ppb
Silver	109-1	0.43	0.44	0.44	0.44	1.00	ppb
Sodium	23-2	208.57	211.34	210.55	210.15	0.68	ppb
Strontium	86-1	61.10	62.67	62.17	61.98	1.29	ppb
Strontium	88-1	63.74	64.45	64.89	64.36	0.90	ppb
Sulfur	34-1	-815.72	-779.50	-820.02	-805.08		ppb
Terbium	159-1				105		%
Terbium	159-2				100		%
Thallium	203-1	0.26	0.27	0.27	0.27	1.44	ppb
Thallium	205-1	0.26	0.27	0.27	0.27	1.71	ppb
Tin	118-1	1.88	1.86	1.91	1.88	1.35	ppb
Titanium	47-1	1640.20	1636.68	1629.09	1635.32	0.35	ppb
Uranium	238-1	0.96	0.98	0.97	0.97	0.94	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-08	Instrumnet Name :	P8
Client Sample ID :	MYD4Z2	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 20:08:29	DataFile Name :	069AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	173.83	173.55	174.26	173.88	0.21	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	251.01	251.96	251.13	251.36	0.21	ppb
Zirconium	90-1	7.82	8.00	8.11	7.98	1.79	ppb
Zirconium	91-1	7.87	8.09	8.17	8.04	1.91	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-09	Instrumnet Name :	P8
Client Sample ID :	MYD4Z3	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 20:11:33	DataFile Name :	070AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	43556.96	43051.15	43429.34	43345.81	0.61	ppb
Antimony	121-1	1.85	1.86	1.88	1.87	0.74	ppb
Arsenic	75-2	79.87	79.75	81.04	80.22	0.89	ppb
Barium	135-1	366.45	370.62	361.49	366.19	1.25	ppb
Barium	137-1	360.88	370.30	360.77	363.98	1.50	ppb
Beryllium	9-1	1.43	1.45	1.41	1.43	1.26	ppb
Bismuth	209-1				97		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Cadmium	108-1	2.34	2.23	2.18	2.25	3.55	ppb
Cadmium	106-1	-0.94	0.44	-1.51	-0.67		ppb
Cadmium	111-1	0.81	0.87	0.83	0.84	3.72	ppb
Calcium	43-1	13639.26	13740.14	13341.93	13573.78	1.53	ppb
Calcium	44-1	13515.67	13410.35	13310.13	13412.05	0.77	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	49.22	48.83	49.24	49.10	0.46	ppb
Cobalt	59-2	41.53	41.05	41.09	41.22	0.64	ppb
Copper	63-2	120.99	120.07	122.50	121.19	1.02	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				101		%
Indium	115-1				101		%
Indium	115-2				94		%
Iron	54-2	111662.79	108170.89	109885.05	109906.24	1.59	ppb
Iron	56-2	113086.25	110129.37	111499.01	111571.55	1.33	ppb
Iron	57-2	110726.66	110646.22	109951.24	110441.38	0.39	ppb
Krypton	83-1						cps
Lead	206-1	64.48	64.97	64.07	64.51	0.70	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-09	Instrumnet Name :	P8
Client Sample ID :	MYD4Z3	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 20:11:33	DataFile Name :	070AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	64.15	65.24	63.41	64.27	1.43	ppb
Lead	208-1	62.73	64.16	62.70	63.20	1.32	ppb
Lithium	6-1				96		%
Magnesium	24-2	15392.12	15360.95	15669.75	15474.27	1.10	ppb
Manganese	55-2	2122.43	2073.86	2083.07	2093.12	1.23	ppb
Molybdenum	94-1	17.99	18.42	17.69	18.03	2.01	ppb
Molybdenum	95-1	1.52	1.51	1.50	1.51	0.53	ppb
Molybdenum	96-1	3.52	3.50	3.53	3.52	0.43	ppb
Molybdenum	97-1	1.47	1.52	1.51	1.50	1.67	ppb
Molybdenum	98-1	1.49	1.47	1.47	1.47	0.63	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	42.50	42.05	42.67	42.41	0.75	ppb
Phosphorus	31-2	2703.10	2646.81	2644.76	2664.89	1.24	ppb
Potassium	39-2	8092.84	8141.19	8111.28	8115.10	0.30	ppb
Rhodium	103-1				96		%
Rhodium	103-2				95		%
Scandium	45-1				103		%
Scandium	45-2				95		%
Selenium	82-1	1.37	1.49	1.34	1.40	5.67	ppb
Selenium	77-2	45.68	44.65	49.28	46.54	5.21	ppb
Selenium	78-2	10.69	11.02	10.52	10.74	2.37	ppb
Silicon	28-1	1123.94	1119.45	1109.00	1117.46	0.69	ppb
Silver	107-1	0.33	0.34	0.33	0.34	1.73	ppb
Silver	109-1	0.25	0.25	0.26	0.25	1.79	ppb
Sodium	23-2	163.68	160.24	163.20	162.37	1.15	ppb
Strontium	86-1	70.37	69.77	70.47	70.20	0.54	ppb
Strontium	88-1	73.91	72.99	72.52	73.14	0.97	ppb
Sulfur	34-1	-287.89	-330.99	-354.40	-324.42		ppb
Terbium	159-1				103		%
Terbium	159-2				100		%
Thallium	203-1	0.31	0.31	0.31	0.31	0.99	ppb
Thallium	205-1	0.31	0.32	0.32	0.32	0.72	ppb
Tin	118-1	2.00	2.00	2.00	2.00	0.03	ppb
Titanium	47-1	1644.57	1635.59	1626.23	1635.46	0.56	ppb
Uranium	238-1	1.22	1.23	1.22	1.23	0.41	ppb

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-09	Instrumnet Name :	P8
Client Sample ID :	MYD4Z3	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 20:11:33	DataFile Name :	070AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	210.84	208.26	212.42	210.50	1.00	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				107		%
Yttrium	89-2				104		%
Zinc	66-2	263.31	261.04	261.80	262.05	0.44	ppb
Zirconium	90-1	9.69	9.53	9.63	9.62	0.87	ppb
Zirconium	91-1	9.68	9.74	9.66	9.69	0.42	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-10	Instrumnet Name :	P8
Client Sample ID :	MYD4Z4	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 20:14:36	DataFile Name :	071AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	33860.57	33039.83	32847.12	33249.17	1.62	ppb
Antimony	121-1	1.71	1.72	1.70	1.71	0.37	ppb
Arsenic	75-2	84.01	84.28	84.42	84.24	0.25	ppb
Barium	135-1	267.07	268.70	264.42	266.73	0.81	ppb
Barium	137-1	270.43	266.80	263.02	266.75	1.39	ppb
Beryllium	9-1	1.00	0.99	0.98	0.99	0.82	ppb
Bismuth	209-1				96		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Cadmium	108-1	2.70	2.36	2.18	2.41	10.87	ppb
Cadmium	106-1	-1.46	-1.65	-2.02	-1.71		ppb
Cadmium	111-1	1.16	1.20	1.17	1.17	1.82	ppb
Calcium	43-1	14291.52	14044.75	13842.56	14059.61	1.60	ppb
Calcium	44-1	14013.70	13830.96	13813.86	13886.17	0.80	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	35.08	34.42	34.72	34.74	0.95	ppb
Cobalt	59-2	30.73	30.36	30.69	30.59	0.66	ppb
Copper	63-2	125.55	124.67	123.67	124.63	0.76	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				100		%
Indium	115-1				96		%
Indium	115-2				94		%
Iron	54-2	88075.44	86662.07	88092.73	87610.08	0.94	ppb
Iron	56-2	86739.42	87880.57	86809.44	87143.14	0.73	ppb
Iron	57-2	88389.28	87648.68	86870.87	87636.28	0.87	ppb
Krypton	83-1						cps
Lead	206-1	77.42	76.31	78.23	77.32	1.24	ppb

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-10	Instrumnet Name :	P8
Client Sample ID :	MYD4Z4	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 20:14:36	DataFile Name :	071AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	79.65	81.09	80.05	80.26	0.92	ppb
Lead	208-1	77.82	77.52	78.15	77.83	0.41	ppb
Lithium	6-1				93		%
Magnesium	24-2	14479.75	14605.88	14599.69	14561.78	0.49	ppb
Manganese	55-2	1569.01	1538.04	1546.66	1551.24	1.03	ppb
Molybdenum	94-1	16.27	16.10	16.26	16.21	0.61	ppb
Molybdenum	95-1	0.90	0.93	0.90	0.91	1.88	ppb
Molybdenum	96-1	2.70	2.78	2.72	2.73	1.60	ppb
Molybdenum	97-1	0.92	0.92	0.91	0.92	0.91	ppb
Molybdenum	98-1	0.90	0.89	0.88	0.89	0.62	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	32.40	32.04	31.90	32.12	0.80	ppb
Phosphorus	31-2	2300.50	2235.21	2313.05	2282.92	1.83	ppb
Potassium	39-2	7725.04	7511.08	7632.91	7623.01	1.41	ppb
Rhodium	103-1				93		%
Rhodium	103-2				95		%
Scandium	45-1				99		%
Scandium	45-2				93		%
Selenium	82-1	1.21	1.14	1.09	1.15	5.26	ppb
Selenium	77-2	37.46	37.94	35.12	36.84	4.09	ppb
Selenium	78-2	9.23	7.83	8.61	8.56	8.23	ppb
Silicon	28-1	1257.48	1282.57	1235.64	1258.56	1.87	ppb
Silver	107-1	0.41	0.40	0.41	0.41	1.26	ppb
Silver	109-1	0.35	0.34	0.34	0.35	1.68	ppb
Sodium	23-2	217.18	214.87	215.24	215.76	0.57	ppb
Strontium	86-1	59.80	59.51	59.06	59.45	0.63	ppb
Strontium	88-1	62.43	60.87	62.04	61.78	1.31	ppb
Sulfur	34-1	-283.43	-250.82	-310.63	-281.63		ppb
Terbium	159-1				101		%
Terbium	159-2				99		%
Thallium	203-1	0.25	0.25	0.24	0.25	1.92	ppb
Thallium	205-1	0.25	0.25	0.25	0.25	0.25	ppb
Tin	118-1	1.69	1.70	1.65	1.68	1.70	ppb
Titanium	47-1	1826.35	1834.27	1783.04	1814.55	1.52	ppb
Uranium	238-1	0.90	0.89	0.89	0.89	0.51	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-10	Instrumnet Name :	P8
Client Sample ID :	MYD4Z4	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 20:14:36	DataFile Name :	071AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	140.35	140.45	141.50	140.77	0.45	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				104		%
Yttrium	89-2				102		%
Zinc	66-2	322.22	319.22	317.75	319.73	0.71	ppb
Zirconium	90-1	8.98	8.97	8.84	8.93	0.84	ppb
Zirconium	91-1	8.99	8.97	8.95	8.97	0.25	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-11	Instrumnet Name :	P8
Client Sample ID :	MYD4Z5	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 20:17:41	DataFile Name :	072AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	41567.04	41534.05	41605.50	41568.86	0.09	ppb
Antimony	121-1	1.65	1.64	1.65	1.65	0.60	ppb
Arsenic	75-2	101.84	102.85	103.17	102.62	0.68	ppb
Barium	135-1	270.55	269.79	267.92	269.42	0.50	ppb
Barium	137-1	275.67	276.16	275.67	275.83	0.10	ppb
Beryllium	9-1	1.22	1.18	1.20	1.20	1.91	ppb
Bismuth	209-1				95		%
Bismuth	209-2				96		%
Bromine	81-1						cps
Cadmium	108-1	3.00	3.06	3.05	3.04	0.97	ppb
Cadmium	106-1	0.36	-0.30	-0.34	-0.09		ppb
Cadmium	111-1	1.40	1.30	1.35	1.35	3.73	ppb
Calcium	43-1	14801.60	15276.13	14921.14	14999.62	1.65	ppb
Calcium	44-1	14800.99	14930.53	14842.32	14857.95	0.45	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	41.62	41.97	41.82	41.81	0.42	ppb
Cobalt	59-2	36.05	36.63	36.38	36.35	0.81	ppb
Copper	63-2	138.40	140.08	139.45	139.31	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				102		%
Holmium	165-2				100		%
Indium	115-1				97		%
Indium	115-2				92		%
Iron	54-2	101892.77	102007.98	100171.07	101357.27	1.02	ppb
Iron	56-2	100860.44	99940.50	101363.94	100721.63	0.72	ppb
Iron	57-2	99871.03	102176.36	101535.12	101194.17	1.18	ppb
Krypton	83-1						cps
Lead	206-1	85.44	83.03	85.04	84.50	1.53	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-11	Instrumnet Name :	P8
Client Sample ID :	MYD4Z5	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 20:17:41	DataFile Name :	072AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	89.59	87.69	88.11	88.46	1.12	ppb
Lead	208-1	86.89	85.28	84.98	85.72	1.20	ppb
Lithium	6-1				92		%
Magnesium	24-2	17312.70	17436.06	17550.23	17432.99	0.68	ppb
Manganese	55-2	1570.48	1602.53	1577.22	1583.41	1.07	ppb
Molybdenum	94-1	20.71	20.69	20.87	20.76	0.49	ppb
Molybdenum	95-1	0.90	0.91	0.88	0.90	1.73	ppb
Molybdenum	96-1	3.28	3.18	3.22	3.22	1.57	ppb
Molybdenum	97-1	0.90	0.90	0.93	0.91	2.21	ppb
Molybdenum	98-1	0.89	0.87	0.88	0.88	1.02	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	37.13	37.54	37.10	37.26	0.66	ppb
Phosphorus	31-2	2480.51	2503.12	2508.62	2497.42	0.60	ppb
Potassium	39-2	7922.83	7879.89	7838.23	7880.32	0.54	ppb
Rhodium	103-1				93		%
Rhodium	103-2				93		%
Scandium	45-1				100		%
Scandium	45-2				92		%
Selenium	82-1	1.62	1.21	1.66	1.50	16.74	ppb
Selenium	77-2	43.92	43.62	46.18	44.57	3.14	ppb
Selenium	78-2	8.25	10.05	10.59	9.63	12.74	ppb
Silicon	28-1	1604.85	1617.10	1601.18	1607.71	0.52	ppb
Silver	107-1	0.47	0.47	0.48	0.48	0.91	ppb
Silver	109-1	0.41	0.39	0.40	0.40	2.73	ppb
Sodium	23-2	177.80	177.55	176.66	177.33	0.34	ppb
Strontium	86-1	65.91	65.43	65.96	65.77	0.45	ppb
Strontium	88-1	66.69	68.85	69.13	68.22	1.96	ppb
Sulfur	34-1	-405.15	-359.84	-376.27	-380.42		ppb
Terbium	159-1				102		%
Terbium	159-2				98		%
Thallium	203-1	0.28	0.28	0.27	0.28	3.19	ppb
Thallium	205-1	0.29	0.29	0.28	0.29	1.28	ppb
Tin	118-1	1.89	1.89	1.88	1.88	0.37	ppb
Titanium	47-1	1735.69	1791.09	1777.99	1768.26	1.64	ppb
Uranium	238-1	1.00	1.00	1.00	1.00	0.13	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-11	Instrumnet Name :	P8
Client Sample ID :	MYD4Z5	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 20:17:41	DataFile Name :	072AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	168.58	169.28	168.25	168.70	0.31	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				105		%
Yttrium	89-2				100		%
Zinc	66-2	382.73	389.59	385.79	386.04	0.89	ppb
Zirconium	90-1	11.48	11.46	11.62	11.52	0.73	ppb
Zirconium	91-1	11.47	11.62	11.68	11.59	0.93	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-12	Instrumnet Name :	P8
Client Sample ID :	MYD4Z6	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 20:20:43	DataFile Name :	073AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	35236.27	35679.36	35204.87	35373.50	0.75	ppb
Antimony	121-1	1.93	1.98	1.95	1.95	1.31	ppb
Arsenic	75-2	102.86	103.48	102.53	102.96	0.47	ppb
Barium	135-1	253.08	254.30	255.62	254.34	0.50	ppb
Barium	137-1	258.31	260.20	259.58	259.36	0.37	ppb
Beryllium	9-1	1.17	1.18	1.15	1.16	1.24	ppb
Bismuth	209-1				96		%
Bismuth	209-2				96		%
Bromine	81-1						cps
Cadmium	108-1	2.61	2.72	2.66	2.66	1.95	ppb
Cadmium	106-1	-0.27	-0.69	-1.16	-0.71		ppb
Cadmium	111-1	1.20	1.22	1.19	1.20	1.05	ppb
Calcium	43-1	14075.04	14139.53	13956.80	14057.12	0.66	ppb
Calcium	44-1	13897.20	13842.74	13768.70	13836.22	0.47	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	33.94	34.24	34.16	34.11	0.45	ppb
Cobalt	59-2	47.60	48.10	48.63	48.11	1.07	ppb
Copper	63-2	160.73	165.49	164.66	163.62	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				102		%
Holmium	165-2				99		%
Indium	115-1				96		%
Indium	115-2				91		%
Iron	54-2	104499.69	105201.15	105469.07	105056.64	0.48	ppb
Iron	56-2	103690.54	106520.69	105226.91	105146.05	1.35	ppb
Iron	57-2	104792.02	105802.88	106523.29	105706.06	0.82	ppb
Krypton	83-1						cps
Lead	206-1	82.82	79.79	81.08	81.23	1.87	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-12	Instrumnet Name :	P8
Client Sample ID :	MYD4Z6	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 20:20:43	DataFile Name :	073AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	86.66	83.42	85.02	85.03	1.90	ppb
Lead	208-1	83.84	82.26	82.55	82.88	1.01	ppb
Lithium	6-1				91		%
Magnesium	24-2	15716.09	15957.15	15835.56	15836.27	0.76	ppb
Manganese	55-2	1497.21	1479.23	1515.16	1497.20	1.20	ppb
Molybdenum	94-1	18.46	18.30	18.26	18.34	0.59	ppb
Molybdenum	95-1	1.19	1.20	1.19	1.19	0.09	ppb
Molybdenum	96-1	3.29	3.23	3.23	3.25	1.12	ppb
Molybdenum	97-1	1.21	1.16	1.18	1.19	1.92	ppb
Molybdenum	98-1	1.17	1.18	1.18	1.18	0.65	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	35.64	36.25	36.42	36.10	1.14	ppb
Phosphorus	31-2	2465.21	2555.35	2502.30	2507.62	1.81	ppb
Potassium	39-2	6380.41	6513.62	6510.20	6468.08	1.17	ppb
Rhodium	103-1				94		%
Rhodium	103-2				93		%
Scandium	45-1				98		%
Scandium	45-2				91		%
Selenium	82-1	1.26	1.29	1.35	1.30	3.82	ppb
Selenium	77-2	41.12	40.25	41.29	40.89	1.37	ppb
Selenium	78-2	10.07	8.29	9.67	9.34	9.96	ppb
Silicon	28-1	1464.31	1452.88	1452.82	1456.67	0.45	ppb
Silver	107-1	0.44	0.45	0.44	0.44	1.22	ppb
Silver	109-1	0.37	0.38	0.38	0.38	2.68	ppb
Sodium	23-2	171.68	174.79	175.38	173.95	1.14	ppb
Strontium	86-1	58.46	58.31	58.28	58.35	0.16	ppb
Strontium	88-1	61.35	61.68	60.40	61.14	1.08	ppb
Sulfur	34-1	-498.50	-575.93	-576.09	-550.17		ppb
Terbium	159-1				102		%
Terbium	159-2				97		%
Thallium	203-1	0.27	0.27	0.29	0.28	3.24	ppb
Thallium	205-1	0.29	0.28	0.28	0.28	1.88	ppb
Tin	118-1	1.78	1.82	1.77	1.79	1.64	ppb
Titanium	47-1	1643.67	1625.82	1629.44	1632.98	0.58	ppb
Uranium	238-1	0.77	0.77	0.77	0.77	0.50	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-12	Instrumnet Name :	P8
Client Sample ID :	MYD4Z6	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 20:20:43	DataFile Name :	073AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	186.87	191.53	190.12	189.51	1.26	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				103		%
Yttrium	89-2				99		%
Zinc	66-2	322.35	329.54	324.53	325.47	1.13	ppb
Zirconium	90-1	10.06	10.05	9.98	10.03	0.44	ppb
Zirconium	91-1	10.25	10.20	10.11	10.19	0.70	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	CCV003	Instrumnet Name :	P8
Client Sample ID :	CCV003	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 20:23:47	DataFile Name :	074CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	49490.64	48893.69	49686.84	49357.05	0.84	ppb
Antimony	121-1	470.16	484.56	485.91	480.21	1.82	ppb
Arsenic	75-2	478.92	491.66	482.77	484.45	1.35	ppb
Barium	135-1	2398.28	2431.37	2487.47	2439.04	1.85	ppb
Barium	137-1	2431.82	2487.50	2522.56	2480.63	1.84	ppb
Beryllium	9-1	458.37	453.79	474.34	462.17	2.33	ppb
Bismuth	209-1				78		%
Bismuth	209-2				78		%
Bromine	81-1						cps
Cadmium	108-1	463.36	471.70	470.45	468.50	0.96	ppb
Cadmium	106-1	466.94	471.02	471.05	469.67	0.50	ppb
Cadmium	111-1	460.04	471.82	471.28	467.71	1.42	ppb
Calcium	43-1	255996.81	259156.77	259786.68	258313.42	0.79	ppb
Calcium	44-1	248658.01	249554.90	256452.77	251555.23	1.70	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	514.99	510.54	513.44	512.99	0.44	ppb
Cobalt	59-2	496.21	486.26	491.53	491.33	1.01	ppb
Copper	63-2	4882.29	4787.59	4841.47	4837.12	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				92		%
Holmium	165-2				90		%
Indium	115-1				83		%
Indium	115-2				83		%
Iron	54-2	135777.21	134060.35	133802.87	134546.81	0.80	ppb
Iron	56-2	133717.37	132780.62	133562.88	133353.62	0.38	ppb
Iron	57-2	136238.08	132460.17	134262.55	134320.27	1.41	ppb
Krypton	83-1						cps
Lead	206-1	2515.35	2609.00	2552.62	2558.99	1.84	ppb

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	CCV003	Instrumnet Name :	P8
Client Sample ID :	CCV003	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 20:23:47	DataFile Name :	074CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	2526.75	2638.50	2558.82	2574.69	2.23	ppb
Lead	208-1	2514.46	2593.10	2557.47	2555.01	1.54	ppb
Lithium	6-1				83		%
Magnesium	24-2	259521.11	258740.01	261865.54	260042.22	0.63	ppb
Manganese	55-2	5049.48	4985.56	4977.85	5004.30	0.79	ppb
Molybdenum	94-1	4904.74	5131.63	4977.52	5004.63	2.31	ppb
Molybdenum	95-1	4921.31	5117.18	4973.26	5003.92	2.03	ppb
Molybdenum	96-1	4897.27	4990.70	4962.16	4950.04	0.97	ppb
Molybdenum	97-1	4841.78	5030.57	5017.95	4963.43	2.13	ppb
Molybdenum	98-1	4912.15	5099.44	4979.32	4996.97	1.90	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	496.76	483.30	484.56	488.21	1.52	ppb
Phosphorus	31-2	9723.99	9715.38	9650.29	9696.55	0.42	ppb
Potassium	39-2	124319.81	122257.36	126195.78	124257.65	1.59	ppb
Rhodium	103-1				77		%
Rhodium	103-2				77		%
Scandium	45-1				85		%
Scandium	45-2				85		%
Selenium	82-1	467.34	483.46	471.02	473.94	1.78	ppb
Selenium	77-2	464.14	459.62	488.28	470.68	3.27	ppb
Selenium	78-2	462.85	470.28	457.95	463.69	1.34	ppb
Silicon	28-1	586.15	587.81	604.73	592.90	1.73	ppb
Silver	107-1	449.34	463.93	461.83	458.37	1.72	ppb
Silver	109-1	452.78	459.58	460.14	457.50	0.89	ppb
Sodium	23-2	267111.46	262434.35	266358.26	265301.36	0.95	ppb
Strontium	86-1	12160.19	12767.71	12511.90	12479.93	2.44	ppb
Strontium	88-1	12156.75	12680.08	12309.22	12382.02	2.17	ppb
Sulfur	34-1	10087.89	10285.36	10448.68	10273.98	1.76	ppb
Terbium	159-1				91		%
Terbium	159-2				88		%
Thallium	203-1	502.59	513.84	516.19	510.87	1.42	ppb
Thallium	205-1	514.72	518.81	521.70	518.41	0.68	ppb
Tin	118-1	476.16	488.72	485.92	483.60	1.36	ppb
Titanium	47-1	4915.35	4984.19	5097.77	4999.11	1.84	ppb
Uranium	238-1	519.65	529.53	530.31	526.50	1.13	ppb

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On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	CCV003	Instrumnet Name :	P8
Client Sample ID :	CCV003	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 20:23:47	DataFile Name :	074CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	527.94	524.26	517.51	523.24	1.01	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				88		%
Yttrium	89-2				89		%
Zinc	66-2	4834.40	4714.03	4843.37	4797.27	1.51	ppb
Zirconium	90-1	499.41	515.80	506.94	507.38	1.62	ppb
Zirconium	91-1	503.02	517.95	507.20	509.39	1.51	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	CCB003	Instrumnet Name :	P8
Client Sample ID :	CCB003	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 20:26:39	DataFile Name :	075CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	3.27	3.55	3.23	3.35	5.32	ppb
Antimony	121-1	0.12	0.16	0.24	0.17	37.24	ppb
Arsenic	75-2	0.01	0.02	0.01	0.01	29.77	ppb
Barium	135-1	0.05	0.04	0.03	0.04	32.82	ppb
Barium	137-1	0.06	0.04	0.03	0.04	42.59	ppb
Beryllium	9-1	0.05	0.04	0.04	0.04	16.19	ppb
Bismuth	209-1				104		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Cadmium	108-1	0.03	0.04	0.00	0.02	95.13	ppb
Cadmium	106-1	-5.09	-5.18	-5.30	-5.19		ppb
Cadmium	111-1	-0.01	-0.02	-0.02	-0.02		ppb
Calcium	43-1	2.35	1.86	1.30	1.84	28.84	ppb
Calcium	44-1	4.00	1.88	1.91	2.60	46.70	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.02	-0.02	-0.01	-0.02		ppb
Cobalt	59-2	0.00	0.01	0.00	0.00	37.53	ppb
Copper	63-2	0.45	0.48	0.43	0.45	4.69	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				102		%
Indium	115-1				101		%
Indium	115-2				99		%
Iron	54-2	1.65	2.11	1.74	1.83	13.29	ppb
Iron	56-2	1.85	2.22	2.21	2.09	9.99	ppb
Iron	57-2	1.84	1.91	2.04	1.93	5.08	ppb
Krypton	83-1						cps
Lead	206-1	0.11	0.08	0.06	0.08	25.90	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	CCB003	Instrumnet Name :	P8
Client Sample ID :	CCB003	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 20:26:39	DataFile Name :	075CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.10	0.08	0.06	0.08	24.05	ppb
Lead	208-1	0.10	0.08	0.07	0.08	20.61	ppb
Lithium	6-1				96		%
Magnesium	24-2	2.93	3.23	3.20	3.12	5.30	ppb
Manganese	55-2	0.07	0.09	0.08	0.08	12.38	ppb
Molybdenum	94-1	0.19	0.17	0.23	0.20	13.30	ppb
Molybdenum	95-1	0.18	0.15	0.16	0.16	9.28	ppb
Molybdenum	96-1	0.17	0.14	0.18	0.17	12.29	ppb
Molybdenum	97-1	0.17	0.14	0.17	0.16	9.35	ppb
Molybdenum	98-1	0.16	0.14	0.15	0.15	6.93	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.02	0.03	0.02	0.02	31.01	ppb
Phosphorus	31-2	-77.29	-75.99	-71.83	-75.04		ppb
Potassium	39-2	9.46	9.27	8.27	9.00	7.09	ppb
Rhodium	103-1				100		%
Rhodium	103-2				101		%
Scandium	45-1				99		%
Scandium	45-2				94		%
Selenium	82-1	0.11	0.03	0.00	0.05	127.35	ppb
Selenium	77-2	0.18	0.18	0.00	0.12	86.61	ppb
Selenium	78-2	-0.20	0.29	-0.36	-0.09		ppb
Silicon	28-1	-0.85	-1.07	-0.81	-0.91		ppb
Silver	107-1	0.02	0.02	0.02	0.02	13.01	ppb
Silver	109-1	0.02	0.02	0.01	0.02	26.61	ppb
Sodium	23-2	19.65	19.58	18.47	19.23	3.43	ppb
Strontium	86-1	0.24	0.11	0.10	0.15	51.16	ppb
Strontium	88-1	0.21	0.16	0.12	0.16	27.81	ppb
Sulfur	34-1	-497.88	-377.52	-365.61	-413.67		ppb
Terbium	159-1				104		%
Terbium	159-2				101		%
Thallium	203-1	0.07	0.06	0.06	0.06	10.03	ppb
Thallium	205-1	0.08	0.06	0.05	0.06	16.93	ppb
Tin	118-1	0.12	0.11	0.14	0.12	12.59	ppb
Titanium	47-1	0.09	0.07	0.05	0.07	31.66	ppb
Uranium	238-1	0.01	0.00	0.01	0.01	49.77	ppb

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	CCB003	Instrumnet Name :	P8
Client Sample ID :	CCB003	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 20:26:39	DataFile Name :	075CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.01	0.01	0.01	0.01	25.22	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	0.11	0.14	0.08	0.11	24.30	ppb
Zirconium	90-1	0.04	0.03	0.04	0.04	19.06	ppb
Zirconium	91-1	0.04	0.04	0.04	0.04	1.73	ppb

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 16:30:28	DataFile Name :	004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	350	313	323	329	5.76	cps
Antimony	121-1	123	100	107	110	10.93	cps
Arsenic	75-2	7	0	0	2	173.21	cps
Barium	135-1	220	253	247	240	7.35	cps
Barium	137-1	380	340	307	342	10.73	cps
Beryllium	9-1	214	251	242	236	8.32	cps
Bismuth	209-1	41397830	41223044	41558314	41393063	0.41	cps
Bismuth	209-2	17910437	17839101	17752864	17834134	0.44	cps
Bromine	81-1	25153	25801	25293	25415	1.34	cps
Cadmium	108-1	83	113	80	92	19.91	cps
Cadmium	106-1	47107	47448	46906	47154	0.58	cps
Cadmium	111-1	2320	2316	2319	2319	0.09	cps
Calcium	43-1	1550	1537	1410	1499	5.15	cps
Calcium	44-1	26004	25372	24922	25433	2.14	cps
Carbon	12-1	6047763	5865395	5897689	5936949	1.64	cps
Carbon	12-2	54484	53872	53193	53849	1.20	cps
Chlorine	35-1	252699	253241	250163	252034	0.65	cps
Chlorine	35-2	1323	1273	1297	1298	1.93	cps
Chromium	52-2	2457	2524	2524	2501	1.54	cps
Cobalt	59-2	297	313	273	294	6.82	cps
Copper	63-2	6361	6231	6261	6285	1.08	cps
Dysprosium	156-1	430	467	400	432	7.73	cps
Dysprosium	156-2	43	53	67	54	21.51	cps
Erbium	164-1	480	500	470	483	3.16	cps
Erbium	164-2	217	163	213	198	15.11	cps
Gadolinium	160-1	1173	1397	1147	1239	11.08	cps
Gadolinium	160-2	1230	1163	1313	1236	6.08	cps
Holmium	165-1	64359542	64797479	64052016	64403012	0.58	cps
Holmium	165-2	25273020	25573000	25226325	25357449	0.74	cps
Indium	115-1	50917728	49773397	49716710	50135945	1.35	cps
Indium	115-2	7098501	7072234	6972164	7047633	0.95	cps
Iron	54-2	1453	1500	1630	1528	5.99	cps
Iron	56-2	15168	15579	15118	15288	1.65	cps
Iron	57-2	467	460	393	440	9.22	cps
Krypton	83-1	327	300	320	316	4.40	cps
Lead	206-1	873	977	987	946	6.64	cps

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 16:30:28	DataFile Name :	004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	767	840	920	842	9.11	cps
Lead	208-1	3617	3847	3860	3775	3.62	cps
Lithium	6-1	24680337	24275269	24750481	24568696	1.04	cps
Magnesium	24-2	683	807	720	737	8.60	cps
Manganese	55-2	653	627	630	637	2.28	cps
Molybdenum	94-1	920	1010	1013	981	5.40	cps
Molybdenum	95-1	247	260	217	241	9.21	cps
Molybdenum	96-1	423	457	520	467	10.52	cps
Molybdenum	97-1	167	147	117	143	17.56	cps
Molybdenum	98-1	413	400	313	376	14.46	cps
Neodymium	150-1	70	57	70	66	11.74	cps
Neodymium	150-2	3	10	13	9	57.30	cps
Nickel	60-2	700	663	663	676	3.13	cps
Phosphorus	31-2	1670	1783	1590	1681	5.78	cps
Potassium	39-2	17377	17187	17140	17235	0.73	cps
Rhodium	103-1	47835439	47185859	46803174	47274824	1.10	cps
Rhodium	103-2	19655265	19490003	19597471	19580913	0.43	cps
Scandium	45-1	33477994	33386233	32931427	33265218	0.88	cps
Scandium	45-2	941427	948673	931335	940478	0.93	cps
Selenium	82-1	-50	-37	-20	-36	-42.27	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	37	23	17	26	39.85	cps
Silicon	28-1	996059	997251	970419	987909	1.53	cps
Silver	107-1	614	571	581	588	3.87	cps
Silver	109-1	110	153	87	117	29.00	cps
Sodium	23-2	23092	23305	23128	23175	0.49	cps
Strontium	86-1	587	667	530	594	11.55	cps
Strontium	88-1	1293	1030	1243	1189	11.76	cps
Sulfur	34-1	804662	805313	805057	805011	0.04	cps
Terbium	159-1	66640026	66441134	65907201	66329453	0.57	cps
Terbium	159-2	25747225	25633702	25390448	25590459	0.71	cps
Thallium	203-1	997	1033	1090	1040	4.52	cps
Thallium	205-1	2430	2397	2350	2392	1.68	cps
Tin	118-1	8563	8486	8893	8647	2.50	cps
Titanium	47-1	510	440	483	478	7.39	cps
Uranium	238-1	290	323	350	321	9.36	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 16:30:28	DataFile Name :	004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	7	23	33	21	63.80	cps
Ytterbium	172-1	460	427	430	439	4.18	cps
Ytterbium	172-2	147	153	227	176	25.28	cps
Ytterbium	176-1	19788	19368	19625	19594	1.08	cps
Ytterbium	176-2	93655	93370	95240	94089	1.07	cps
Yttrium	89-1	74623994	73029474	73488246	73713904	1.11	cps
Yttrium	89-2	7178328	7167991	7111410	7152576	0.50	cps
Zinc	66-2	3334	3264	3514	3370	3.83	cps
Zirconium	90-1	3974	3964	4007	3982	0.57	cps
Zirconium	91-1	467	587	590	548	12.83	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 16:33:46	DataFile Name :	005CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6645	6558	6421	6542	1.72	cps
Antimony	121-1	75812	74803	76060	75558	0.88	cps
Arsenic	75-2	947	930	843	907	6.12	cps
Barium	135-1	105319	104727	106051	105366	0.63	cps
Barium	137-1	185152	185206	185078	185145	0.03	cps
Beryllium	9-1	13155	12928	13072	13052	0.88	cps
Bismuth	209-1	41817337	40993978	41188605	41333307	1.04	cps
Bismuth	209-2	18008698	18132131	18095862	18078897	0.35	cps
Bromine	81-1	24699	24254	25006	24653	1.53	cps
Cadmium	108-1	1027	1073	1020	1040	2.79	cps
Cadmium	106-1	49485	48843	49227	49185	0.66	cps
Cadmium	111-1	12947	13156	13239	13114	1.15	cps
Calcium	43-1	74344	73644	75852	74613	1.51	cps
Calcium	44-1	1292250	1193654	1200895	1228933	4.47	cps
Carbon	12-1	5959627	5699983	5730882	5796831	2.45	cps
Carbon	12-2	53005	53534	51687	52742	1.80	cps
Chlorine	35-1	235092	237874	237544	236837	0.64	cps
Chlorine	35-2	1267	1257	1453	1326	8.36	cps
Chromium	52-2	24979	25529	24758	25089	1.58	cps
Cobalt	59-2	22598	22177	22511	22429	0.99	cps
Copper	63-2	37884	37503	37937	37775	0.63	cps
Dysprosium	156-1	437	413	450	433	4.28	cps
Dysprosium	156-2	57	30	57	48	32.23	cps
Erbium	164-1	493	497	367	452	16.39	cps
Erbium	164-2	200	197	163	187	10.86	cps
Gadolinium	160-1	1193	1087	1323	1201	9.87	cps
Gadolinium	160-2	1260	1297	1187	1248	4.49	cps
Holmium	165-1	65780502	64020306	64970942	64923917	1.36	cps
Holmium	165-2	24623393	25406848	25440430	25156890	1.84	cps
Indium	115-1	50168339	50424488	50274299	50289042	0.26	cps
Indium	115-2	7095935	7202270	6929862	7076022	1.94	cps
Iron	54-2	27944	28058	28706	28236	1.45	cps
Iron	56-2	496188	493667	494778	494878	0.26	cps
Iron	57-2	12452	12799	12706	12652	1.42	cps
Krypton	83-1	320	357	333	337	5.51	cps
Lead	206-1	38470	38119	39005	38532	1.16	cps

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 16:33:46	DataFile Name :	005CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	33898	33848	33567	33771	0.53	cps
Lead	208-1	155358	154652	154009	154673	0.44	cps
Lithium	6-1	24938294	24374115	23721492	24344634	2.50	cps
Magnesium	24-2	460210	455763	453280	456418	0.77	cps
Manganese	55-2	6532	6492	6498	6507	0.33	cps
Molybdenum	94-1	88509	89049	90180	89246	0.96	cps
Molybdenum	95-1	108140	109322	109053	108838	0.57	cps
Molybdenum	96-1	120874	121103	121458	121145	0.24	cps
Molybdenum	97-1	67567	68648	67339	67851	1.03	cps
Molybdenum	98-1	173932	177734	175269	175645	1.10	cps
Neodymium	150-1	47	93	57	66	37.47	cps
Neodymium	150-2	17	13	10	13	25.01	cps
Nickel	60-2	7032	6228	6482	6580	6.24	cps
Phosphorus	31-2	2030	2197	2027	2085	4.66	cps
Potassium	39-2	320102	322861	320321	321095	0.48	cps
Rhodium	103-1	48150439	46897598	47467111	47505049	1.32	cps
Rhodium	103-2	19255046	19756921	19365804	19459257	1.35	cps
Scandium	45-1	33888620	32609372	32478890	32992294	2.36	cps
Scandium	45-2	926687	942480	938136	935768	0.87	cps
Selenium	82-1	3361	3110	3180	3217	4.01	cps
Selenium	77-2	100	103	123	109	11.59	cps
Selenium	78-2	347	390	323	353	9.57	cps
Silicon	28-1	1150727	1152588	1143335	1148883	0.43	cps
Silver	107-1	59647	60130	60669	60149	0.85	cps
Silver	109-1	55792	56519	56542	56284	0.76	cps
Sodium	23-2	851319	860944	851262	854508	0.65	cps
Strontium	86-1	14508	14274	14945	14575	2.34	cps
Strontium	88-1	124710	125514	126823	125683	0.85	cps
Sulfur	34-1	822816	818136	820575	820509	0.29	cps
Terbium	159-1	67590492	66510161	66612731	66904461	0.89	cps
Terbium	159-2	25798834	25676075	25412475	25629128	0.77	cps
Thallium	203-1	47584	47744	48691	48006	1.25	cps
Thallium	205-1	112577	113538	114062	113392	0.66	cps
Tin	118-1	192310	192532	195358	193400	0.88	cps
Titanium	47-1	33309	33552	33887	33583	0.86	cps
Uranium	238-1	151015	152282	155677	152992	1.58	cps

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LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 16:33:46	DataFile Name :	005CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	44044	43533	44125	43901	0.73	cps
Ytterbium	172-1	457	383	450	430	9.43	cps
Ytterbium	172-2	180	170	217	189	13.01	cps
Ytterbium	176-1	20499	19802	19882	20061	1.90	cps
Ytterbium	176-2	93579	95976	94004	94520	1.35	cps
Yttrium	89-1	74667461	73308636	72115341	73363812	1.74	cps
Yttrium	89-2	7034254	7328795	7060322	7141124	2.28	cps
Zinc	66-2	11642	11738	11518	11633	0.95	cps
Zirconium	90-1	77846	78375	77651	77957	0.48	cps
Zirconium	91-1	16840	16734	16924	16833	0.57	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 16:37:05	DataFile Name :	006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	329759	330855	326978	329197	0.61	cps
Antimony	121-1	1963340	1954836	1961570	1959916	0.23	cps
Arsenic	75-2	44356	44109	44119	44195	0.32	cps
Barium	135-1	2824040	2852311	2841286	2839212	0.50	cps
Barium	137-1	4844944	4896225	4913703	4884957	0.73	cps
Beryllium	9-1	647367	646370	649994	647910	0.29	cps
Bismuth	209-1	40089204	41195462	39995052	40426572	1.65	cps
Bismuth	209-2	17580251	16462458	17341487	17128065	3.44	cps
Bromine	81-1	24208	24158	24054	24140	0.32	cps
Cadmium	108-1	50870	51395	51067	51111	0.52	cps
Cadmium	106-1	117196	115018	117284	116499	1.10	cps
Cadmium	111-1	525072	530724	528168	527988	0.54	cps
Calcium	43-1	870547	873394	865431	869790	0.46	cps
Calcium	44-1	13823780	13847263	13827729	13832924	0.09	cps
Carbon	12-1	6379552	6318870	6227637	6308686	1.21	cps
Carbon	12-2	57629	56608	56347	56862	1.19	cps
Chlorine	35-1	260175	264040	261712	261976	0.74	cps
Chlorine	35-2	1333	1340	1300	1325	1.62	cps
Chromium	52-2	566941	574660	572411	571337	0.69	cps
Cobalt	59-2	1063560	1064725	1057539	1061941	0.36	cps
Copper	63-2	8635121	8673451	8561118	8623230	0.66	cps
Dysprosium	156-1	440	523	517	493	9.39	cps
Dysprosium	156-2	80	77	127	94	29.60	cps
Erbium	164-1	563	433	523	507	13.14	cps
Erbium	164-2	227	150	163	180	22.76	cps
Gadolinium	160-1	1233	1310	1273	1272	3.01	cps
Gadolinium	160-2	1333	1200	1317	1283	5.66	cps
Holmium	165-1	65125016	65337221	63493249	64651828	1.56	cps
Holmium	165-2	25505653	23811659	25318850	24878720	3.73	cps
Indium	115-1	49192172	49416473	49944095	49517580	0.78	cps
Indium	115-2	6941277	6517039	6906879	6788398	3.47	cps
Iron	54-2	1333557	1355043	1380778	1356460	1.74	cps
Iron	56-2	25005446	24959833	24616367	24860549	0.86	cps
Iron	57-2	612611	619157	611611	614460	0.67	cps
Krypton	83-1	327	343	307	326	5.64	cps
Lead	206-1	9946227	9995743	9799645	9913872	1.03	cps

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
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Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	8467226	8640112	8564329	8557222	1.01	cps
Lead	208-1	39293640	39475208	39340569	39369806	0.24	cps
Lithium	6-1	24210028	24201108	24012533	24141223	0.46	cps
Magnesium	24-2	4423233	4436755	4398228	4419405	0.44	cps
Manganese	55-2	3118106	3158598	3126922	3134542	0.68	cps
Molybdenum	94-1	8456124	8298721	8283872	8346239	1.14	cps
Molybdenum	95-1	12213242	12190536	12348199	12250659	0.70	cps
Molybdenum	96-1	13444294	13581499	13356898	13460897	0.84	cps
Molybdenum	97-1	7516626	7668679	7515211	7566839	1.17	cps
Molybdenum	98-1	19547033	19949190	19601034	19699086	1.11	cps
Neodymium	150-1	440	410	467	439	6.46	cps
Neodymium	150-2	47	33	23	34	34.00	cps
Nickel	60-2	288820	289736	284606	287721	0.95	cps
Phosphorus	31-2	15882	15849	15458	15730	1.50	cps
Potassium	39-2	1620494	1637655	1664544	1640897	1.35	cps
Rhodium	103-1	46182848	46630441	46766224	46526504	0.66	cps
Rhodium	103-2	19253716	17822686	19104942	18727115	4.20	cps
Scandium	45-1	32889022	33315065	32602841	32935643	1.09	cps
Scandium	45-2	922967	846810	916888	895555	4.73	cps
Selenium	82-1	33721	33474	33768	33654	0.47	cps
Selenium	77-2	1003	1023	847	958	10.10	cps
Selenium	78-2	3254	3107	3140	3167	2.43	cps
Silicon	28-1	5516946	5558235	5515547	5530243	0.44	cps
Silver	107-1	3346040	3361208	3314735	3340661	0.71	cps
Silver	109-1	3043686	3063388	3077827	3061634	0.56	cps
Sodium	23-2	8733759	8808052	8768570	8770127	0.42	cps
Strontium	86-1	19076626	19017570	18647849	18914015	1.23	cps
Strontium	88-1	164398641	166185548	161850218	164144802	1.33	cps
Sulfur	34-1	1094347	1069826	1081398	1081857	1.13	cps
Terbium	159-1	66724611	65546942	65893894	66055149	0.92	cps
Terbium	159-2	25784580	23692675	25490414	24989223	4.53	cps
Thallium	203-1	2455724	2506120	2416033	2459293	1.84	cps
Thallium	205-1	5823947	5795564	5775313	5798275	0.42	cps
Tin	118-1	1989369	1989446	1954402	1977739	1.02	cps
Titanium	47-1	3648593	3652976	3692357	3664642	0.66	cps
Uranium	238-1	7980453	8116114	8006723	8034430	0.90	cps

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LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 16:37:05	DataFile Name :	006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	439757	441412	440210	440460	0.19	cps
Ytterbium	172-1	463	460	400	441	8.08	cps
Ytterbium	172-2	190	163	170	174	7.95	cps
Ytterbium	176-1	30619	30278	30288	30395	0.64	cps
Ytterbium	176-2	96315	90085	97554	94651	4.23	cps
Yttrium	89-1	72439124	72784674	72540549	72588116	0.24	cps
Yttrium	89-2	7178694	6646843	7022468	6949335	3.93	cps
Zinc	66-2	823544	824174	817515	821744	0.45	cps
Zirconium	90-1	4084643	4022698	4047238	4051526	0.77	cps
Zirconium	91-1	853514	854351	850509	852791	0.24	cps

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LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 16:40:06	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	793486	790647	786144	790093	0.47	cps
Antimony	121-1	4825893	4824738	4811961	4820864	0.16	cps
Arsenic	75-2	106858	105656	105679	106064	0.65	cps
Barium	135-1	7062368	6989083	7034277	7028576	0.53	cps
Barium	137-1	12017489	12159572	12036158	12071073	0.64	cps
Beryllium	9-1	1660714	1636208	1624535	1640486	1.13	cps
Bismuth	209-1	40003303	38924282	39725692	39551092	1.42	cps
Bismuth	209-2	17114905	17273109	17498015	17295343	1.11	cps
Bromine	81-1	23921	23223	23590	23578	1.48	cps
Cadmium	108-1	122031	123790	123615	123145	0.79	cps
Cadmium	106-1	215544	216292	216406	216081	0.22	cps
Cadmium	111-1	1270783	1276084	1280972	1275947	0.40	cps
Calcium	43-1	2324653	2291423	2281268	2299115	0.99	cps
Calcium	44-1	34526178	34518170	34151573	34398640	0.62	cps
Carbon	12-1	6517509	6456959	6459156	6477875	0.53	cps
Carbon	12-2	59208	59282	58914	59135	0.33	cps
Chlorine	35-1	269693	272487	274514	272231	0.89	cps
Chlorine	35-2	1607	1507	1490	1535	4.11	cps
Chromium	52-2	1453202	1458395	1421906	1444501	1.37	cps
Cobalt	59-2	2659936	2650504	2641385	2650608	0.35	cps
Copper	63-2	20831538	20611546	20749265	20730783	0.54	cps
Dysprosium	156-1	560	573	680	604	10.88	cps
Dysprosium	156-2	127	143	177	149	17.10	cps
Erbium	164-1	630	497	587	571	11.91	cps
Erbium	164-2	173	190	217	193	11.31	cps
Gadolinium	160-1	1307	1260	1250	1272	2.38	cps
Gadolinium	160-2	1213	1220	1223	1219	0.42	cps
Holmium	165-1	65114624	63857096	63978062	64316594	1.08	cps
Holmium	165-2	25411632	25563912	25350842	25442129	0.43	cps
Indium	115-1	49061305	48008852	48711206	48593788	1.10	cps
Indium	115-2	6905892	6809165	6795113	6836723	0.88	cps
Iron	54-2	3375193	3308951	3344449	3342864	0.99	cps
Iron	56-2	60842614	60032271	60458189	60444358	0.67	cps
Iron	57-2	1566051	1544018	1538354	1549474	0.94	cps
Krypton	83-1	333	407	340	360	11.26	cps
Lead	206-1	24346738	24228347	24372843	24315976	0.32	cps

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 16:40:06	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	21140425	20452303	20969561	20854096	1.72	cps
Lead	208-1	97234895	95749264	96767976	96584045	0.79	cps
Lithium	6-1	24009372	23763476	23150261	23641036	1.87	cps
Magnesium	24-2	10813785	10581467	10671072	10688775	1.10	cps
Manganese	55-2	7427202	7503573	7365271	7432015	0.93	cps
Molybdenum	94-1	20608171	20639051	20632645	20626622	0.08	cps
Molybdenum	95-1	30007007	30101511	29853403	29987307	0.42	cps
Molybdenum	96-1	33189514	33520891	32940124	33216843	0.88	cps
Molybdenum	97-1	18820565	18677711	18469408	18655895	0.95	cps
Molybdenum	98-1	49083974	49603566	48372676	49020072	1.26	cps
Neodymium	150-1	1013	1070	1037	1040	2.74	cps
Neodymium	150-2	90	70	40	67	37.75	cps
Nickel	60-2	693231	686367	683988	687862	0.70	cps
Phosphorus	31-2	36232	35924	35239	35799	1.42	cps
Potassium	39-2	3966486	3914326	3922726	3934513	0.71	cps
Rhodium	103-1	46040719	45003611	44912019	45318783	1.38	cps
Rhodium	103-2	18962259	18644618	18676806	18761228	0.93	cps
Scandium	45-1	32918343	32114494	32186516	32406451	1.37	cps
Scandium	45-2	903692	898347	906408	902816	0.45	cps
Selenium	82-1	81859	81910	82258	82009	0.26	cps
Selenium	77-2	2310	2344	2207	2287	3.12	cps
Selenium	78-2	8099	7856	7809	7921	1.97	cps
Silicon	28-1	12161998	11906672	12080364	12049678	1.08	cps
Silver	107-1	7745018	7743477	7843154	7777217	0.73	cps
Silver	109-1	7255980	7193269	7274408	7241219	0.59	cps
Sodium	23-2	21367753	21323814	20936938	21209502	1.12	cps
Strontium	86-1	46808911	46701289	45755913	46422038	1.25	cps
Strontium	88-1	400701807	402556407	401473954	401577390	0.23	cps
Sulfur	34-1	1342136	1347673	1343682	1344497	0.21	cps
Terbium	159-1	67119787	65399209	66379192	66299396	1.30	cps
Terbium	159-2	25867229	25549411	25247325	25554655	1.21	cps
Thallium	203-1	6029216	5960883	6000894	5996997	0.57	cps
Thallium	205-1	14076556	13990336	14245766	14104220	0.92	cps
Tin	118-1	4860066	4860421	4813924	4844804	0.55	cps
Titanium	47-1	8987348	9020098	8863369	8956938	0.92	cps
Uranium	238-1	20085475	20051473	20354803	20163917	0.82	cps

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LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 16:40:06	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1066840	1063750	1068284	1066292	0.22	cps
Ytterbium	172-1	533	487	500	507	4.74	cps
Ytterbium	172-2	217	200	237	218	8.43	cps
Ytterbium	176-1	47093	45555	46375	46341	1.66	cps
Ytterbium	176-2	101741	104063	104285	103363	1.36	cps
Yttrium	89-1	72855902	70769764	71272114	71632593	1.52	cps
Yttrium	89-2	7143521	7032989	7052249	7076253	0.83	cps
Zinc	66-2	2073060	2075921	2055187	2068056	0.54	cps
Zirconium	90-1	9834343	9744369	10015915	9864876	1.40	cps
Zirconium	91-1	2235233	2216184	2243231	2231550	0.62	cps

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LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 16:43:10	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1578528	1595091	1564608	1579409	0.97	cps
Antimony	121-1	9373131	9476181	9488744	9446019	0.67	cps
Arsenic	75-2	208369	207340	207252	207653	0.30	cps
Barium	135-1	13756859	13795831	13646393	13733028	0.56	cps
Barium	137-1	23558264	23839998	23342696	23580319	1.06	cps
Beryllium	9-1	3117848	3108240	3067780	3097956	0.86	cps
Bismuth	209-1	38938494	38692893	39047142	38892843	0.47	cps
Bismuth	209-2	17037715	16727694	16977122	16914177	0.97	cps
Bromine	81-1	22889	23800	23079	23256	2.07	cps
Cadmium	108-1	238380	241066	242255	240567	0.83	cps
Cadmium	106-1	376303	373858	377267	375810	0.47	cps
Cadmium	111-1	2600120	2625293	2558426	2594613	1.30	cps
Calcium	43-1	4360637	4454826	4437379	4417614	1.13	cps
Calcium	44-1	64872332	65499681	65114072	65162028	0.49	cps
Carbon	12-1	6602102	6540941	6544955	6562666	0.52	cps
Carbon	12-2	61474	60209	62281	61322	1.70	cps
Chlorine	35-1	268633	271718	273284	271212	0.87	cps
Chlorine	35-2	1573	1560	1407	1513	6.12	cps
Chromium	52-2	2773507	2793601	2786375	2784494	0.37	cps
Cobalt	59-2	5084105	5154076	5000769	5079650	1.51	cps
Copper	63-2	39684312	39930821	39873754	39829629	0.32	cps
Dysprosium	156-1	720	627	683	677	6.95	cps
Dysprosium	156-2	243	223	240	236	4.55	cps
Erbium	164-1	590	507	580	559	8.14	cps
Erbium	164-2	233	197	227	219	8.92	cps
Gadolinium	160-1	1243	1280	1360	1295	4.61	cps
Gadolinium	160-2	1213	1220	1207	1213	0.55	cps
Holmium	165-1	64584462	64259389	64901194	64581682	0.50	cps
Holmium	165-2	24930040	25214595	24910275	25018304	0.68	cps
Indium	115-1	48160249	47581486	47785369	47842368	0.61	cps
Indium	115-2	6589515	6630245	6645778	6621846	0.44	cps
Iron	54-2	6412850	6518062	6483181	6471364	0.83	cps
Iron	56-2	119765685	117149108	114918008	117277600	2.07	cps
Iron	57-2	3009731	2963964	2976290	2983328	0.79	cps
Krypton	83-1	300	330	283	304	7.77	cps
Lead	206-1	48318493	47572426	48076774	47989231	0.79	cps

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 16:43:10	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	41170374	41054304	41390778	41205152	0.41	cps
Lead	208-1	190566412	188388759	190484600	189813257	0.65	cps
Lithium	6-1	23109571	23035566	22904803	23016647	0.45	cps
Magnesium	24-2	20771208	20630089	20540903	20647400	0.56	cps
Manganese	55-2	14714379	14437822	14298382	14483528	1.46	cps
Molybdenum	94-1	40207725	40617675	40461614	40429005	0.51	cps
Molybdenum	95-1	59287591	59164211	59046836	59166212	0.20	cps
Molybdenum	96-1	65361496	64826686	65193312	65127165	0.42	cps
Molybdenum	97-1	36469881	36728289	36272419	36490196	0.63	cps
Molybdenum	98-1	96175362	96880499	96151302	96402387	0.43	cps
Neodymium	150-1	1994	1793	2014	1933	6.29	cps
Neodymium	150-2	123	113	107	114	7.33	cps
Nickel	60-2	1310190	1316972	1315179	1314114	0.27	cps
Phosphorus	31-2	68370	67757	67422	67850	0.71	cps
Potassium	39-2	7653411	7700600	7643195	7665735	0.40	cps
Rhodium	103-1	43878908	44691136	44272888	44280977	0.92	cps
Rhodium	103-2	18003963	17967277	17877050	17949430	0.36	cps
Scandium	45-1	32001684	32109523	31623980	31911729	0.80	cps
Scandium	45-2	879069	882733	889110	883637	0.57	cps
Selenium	82-1	160638	162118	160706	161154	0.52	cps
Selenium	77-2	4664	4634	4461	4586	2.39	cps
Selenium	78-2	15095	15619	15122	15278	1.93	cps
Silicon	28-1	21972372	22055395	21873448	21967072	0.41	cps
Silver	107-1	15336369	15045604	15264291	15215421	1.00	cps
Silver	109-1	13987272	14059471	13823410	13956718	0.87	cps
Sodium	23-2	41426333	41244869	40942404	41204535	0.59	cps
Strontium	86-1	91040812	91402902	91503075	91315596	0.27	cps
Strontium	88-1	794486788	794086362	793081188	793884779	0.09	cps
Sulfur	34-1	1806022	1813758	1739415	1786398	2.29	cps
Terbium	159-1	67019069	65734946	66392986	66382333	0.97	cps
Terbium	159-2	25194732	25214478	25028506	25145905	0.41	cps
Thallium	203-1	11772963	11726561	11799135	11766220	0.31	cps
Thallium	205-1	27714019	27829225	27775572	27772938	0.21	cps
Tin	118-1	9488746	9389167	9461149	9446354	0.54	cps
Titanium	47-1	17331155	17385850	17458483	17391829	0.37	cps
Uranium	238-1	40317797	40085093	39785429	40062773	0.67	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 16:43:10	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	2174437	2157611	2175816	2169288	0.47	cps
Ytterbium	172-1	543	467	517	509	7.65	cps
Ytterbium	172-2	230	277	283	263	11.04	cps
Ytterbium	176-1	72571	71854	71844	72090	0.58	cps
Ytterbium	176-2	110551	112363	114370	112428	1.70	cps
Yttrium	89-1	71206531	71132521	71257599	71198883	0.09	cps
Yttrium	89-2	6895207	7003774	6906410	6935130	0.86	cps
Zinc	66-2	3933414	3937347	3945781	3938847	0.16	cps
Zirconium	90-1	19180366	19339473	19429334	19316391	0.65	cps
Zirconium	91-1	4344973	4313014	4303013	4320333	0.51	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 16:46:12	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3124354	3143978	3076847	3115060	1.11	cps
Antimony	121-1	18623541	18498029	18685772	18602447	0.51	cps
Arsenic	75-2	407301	405624	408216	407047	0.32	cps
Barium	135-1	26694046	26974655	27223822	26964175	0.98	cps
Barium	137-1	46066651	46623261	46262176	46317363	0.61	cps
Beryllium	9-1	6003003	5995356	5954976	5984445	0.43	cps
Bismuth	209-1	37449038	37726821	38052320	37742726	0.80	cps
Bismuth	209-2	16746637	16285962	16517788	16516796	1.39	cps
Bromine	81-1	23109	23457	22915	23160	1.18	cps
Cadmium	108-1	456252	460009	466601	460954	1.14	cps
Cadmium	106-1	683327	676024	681609	680320	0.56	cps
Cadmium	111-1	4989203	5037918	5018999	5015373	0.49	cps
Calcium	43-1	8481968	8589497	8725702	8599056	1.42	cps
Calcium	44-1	128678358	129767268	130028025	129491217	0.55	cps
Carbon	12-1	6895592	7059716	7090639	7015316	1.49	cps
Carbon	12-2	66935	66854	66911	66900	0.06	cps
Chlorine	35-1	272487	278625	280061	277058	1.45	cps
Chlorine	35-2	1553	1663	1533	1583	4.42	cps
Chromium	52-2	5579882	5535762	5446917	5520854	1.23	cps
Cobalt	59-2	10002728	9980015	10052267	10011670	0.37	cps
Copper	63-2	77683492	76827886	77193152	77234843	0.56	cps
Dysprosium	156-1	887	1030	990	969	7.63	cps
Dysprosium	156-2	437	427	400	421	4.50	cps
Erbium	164-1	800	710	803	771	6.87	cps
Erbium	164-2	250	243	213	236	8.29	cps
Gadolinium	160-1	1447	1387	1353	1396	3.39	cps
Gadolinium	160-2	1287	1323	1253	1288	2.72	cps
Holmium	165-1	63516809	64162379	64425947	64035045	0.73	cps
Holmium	165-2	25356680	25342308	24700900	25133296	1.49	cps
Indium	115-1	46459549	46808909	47077770	46782076	0.66	cps
Indium	115-2	6674824	6561439	6565240	6600501	0.98	cps
Iron	54-2	12592646	12622598	12443504	12552916	0.76	cps
Iron	56-2	229527443	230108383	227103223	228913017	0.70	cps
Iron	57-2	5895195	5847143	5905237	5882525	0.53	cps
Krypton	83-1	383	387	337	369	7.58	cps
Lead	206-1	92564492	93122562	93728295	93138450	0.62	cps

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 16:46:12	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	79152135	81365124	81662055	80726438	1.70	cps
Lead	208-1	366704211	372137669	375032801	371291561	1.14	cps
Lithium	6-1	22238366	21925352	22280319	22148013	0.88	cps
Magnesium	24-2	40735068	40877104	41167719	40926630	0.54	cps
Manganese	55-2	28921679	29053143	28708336	28894386	0.60	cps
Molybdenum	94-1	79099785	80507769	81236545	80281367	1.35	cps
Molybdenum	95-1	116394875	117263278	119229188	117629114	1.23	cps
Molybdenum	96-1	126666635	129082545	129186461	128311880	1.11	cps
Molybdenum	97-1	71593206	72500236	73146277	72413239	1.08	cps
Molybdenum	98-1	188601064	190841797	191020084	190154315	0.71	cps
Neodymium	150-1	3747	3801	3794	3781	0.77	cps
Neodymium	150-2	197	193	173	188	6.72	cps
Nickel	60-2	2739003	2748121	2737429	2741517	0.21	cps
Phosphorus	31-2	131530	132885	130766	131727	0.81	cps
Potassium	39-2	15176710	15280281	15197574	15218189	0.36	cps
Rhodium	103-1	42685225	43189339	43181729	43018764	0.67	cps
Rhodium	103-2	18102468	17598125	17541626	17747407	1.74	cps
Scandium	45-1	31632115	31028793	31459673	31373527	0.99	cps
Scandium	45-2	882693	877796	876396	878962	0.38	cps
Selenium	82-1	317292	312233	312436	313987	0.91	cps
Selenium	77-2	9033	8906	8980	8973	0.71	cps
Selenium	78-2	30246	29972	30289	30169	0.57	cps
Silicon	28-1	41765295	42729415	42493254	42329322	1.19	cps
Silver	107-1	28617892	29077183	28993019	28896031	0.85	cps
Silver	109-1	26553925	26917100	26942865	26804630	0.81	cps
Sodium	23-2	81171565	82544042	81138677	81618095	0.98	cps
Strontium	86-1	181956484	178234064	182661237	180950595	1.31	cps
Strontium	88-1	1570439123	1574170377	1604416083	1583008528	1.18	cps
Sulfur	34-1	2719396	2680270	2724701	2708122	0.90	cps
Terbium	159-1	64573562	65172001	64866454	64870672	0.46	cps
Terbium	159-2	25376890	24909143	24840054	25042029	1.17	cps
Thallium	203-1	23102487	23131787	23309302	23181192	0.48	cps
Thallium	205-1	54907336	54918251	54608464	54811350	0.32	cps
Tin	118-1	18483945	18541126	18568758	18531277	0.23	cps
Titanium	47-1	34307794	34290289	35110439	34569507	1.36	cps
Uranium	238-1	77758722	78378812	79940799	78692778	1.43	cps

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LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 16:46:12	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	4334807	4262028	4346484	4314440	1.06	cps
Ytterbium	172-1	613	683	720	672	8.06	cps
Ytterbium	172-2	307	270	270	282	7.50	cps
Ytterbium	176-1	124645	125156	123551	124451	0.66	cps
Ytterbium	176-2	131604	133019	133982	132868	0.90	cps
Yttrium	89-1	71079294	71119641	72177284	71458739	0.87	cps
Yttrium	89-2	7041179	6959728	6912985	6971297	0.93	cps
Zinc	66-2	7697550	7697136	7766855	7720514	0.52	cps
Zirconium	90-1	38475970	39322755	38889269	38895998	1.09	cps
Zirconium	91-1	8465667	8564404	8468704	8499592	0.66	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 16:49:16	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6292880	6286908	6267997	6282595	0.21	cps
Antimony	121-1	36075593	36411011	36730338	36405647	0.90	cps
Arsenic	75-2	797637	791943	793005	794195	0.38	cps
Barium	135-1	53552051	54036953	53513114	53700706	0.54	cps
Barium	137-1	90087979	91622992	92904515	91538495	1.54	cps
Beryllium	9-1	11628874	11893372	12072806	11865017	1.88	cps
Bismuth	209-1	36108241	36381063	36155478	36214927	0.40	cps
Bismuth	209-2	15955540	15788604	15880459	15874868	0.53	cps
Bromine	81-1	22802	22171	22498	22490	1.40	cps
Cadmium	108-1	876629	869749	876346	874241	0.45	cps
Cadmium	106-1	1258448	1241490	1241220	1247053	0.79	cps
Cadmium	111-1	9548324	9694724	9716872	9653307	0.95	cps
Calcium	43-1	16521434	16851646	16844620	16739233	1.13	cps
Calcium	44-1	246302910	252801963	251451356	250185410	1.37	cps
Carbon	12-1	8017585	8257472	8507014	8260690	2.96	cps
Carbon	12-2	82027	81511	81394	81644	0.41	cps
Chlorine	35-1	305500	310439	312514	309485	1.16	cps
Chlorine	35-2	1967	1833	1857	1886	3.78	cps
Chromium	52-2	11026504	10648509	10820917	10831976	1.75	cps
Cobalt	59-2	19546906	19316277	19541488	19468224	0.68	cps
Copper	63-2	149484714	146638568	147071928	147731737	1.04	cps
Dysprosium	156-1	1817	1890	1843	1850	2.01	cps
Dysprosium	156-2	843	860	770	824	5.81	cps
Erbium	164-1	1090	987	1030	1036	5.01	cps
Erbium	164-2	377	353	477	402	16.29	cps
Gadolinium	160-1	1620	1617	1733	1657	4.01	cps
Gadolinium	160-2	1303	1373	1363	1347	2.81	cps
Holmium	165-1	63045646	64291642	64211947	63849745	1.09	cps
Holmium	165-2	25223425	25278526	24914894	25138948	0.78	cps
Indium	115-1	45520425	45869269	46080475	45823390	0.62	cps
Indium	115-2	6459586	6429418	6436506	6441836	0.24	cps
Iron	54-2	25118035	25102617	25037103	25085919	0.17	cps
Iron	56-2	460218113	457723567	453613273	457184984	0.73	cps
Iron	57-2	11440073	11402931	11456760	11433255	0.24	cps
Krypton	83-1	443	407	563	471	17.39	cps
Lead	206-1	179201471	181242784	183678017	181374091	1.24	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 16:49:16	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	152952808	154272874	156264388	154496690	1.08	cps
Lead	208-1	713510246	720401586	719684733	717865522	0.53	cps
Lithium	6-1	22006680	22283428	22557557	22282555	1.24	cps
Magnesium	24-2	82329277	80930829	80903635	81387914	1.00	cps
Manganese	55-2	57525369	57154769	57168249	57282796	0.37	cps
Molybdenum	94-1	158509941	159940434	157797251	158749209	0.69	cps
Molybdenum	95-1	224912650	232782483	230563063	229419399	1.77	cps
Molybdenum	96-1	249661083	253271143	257559763	253497330	1.56	cps
Molybdenum	97-1	142209981	141916155	143774451	142633529	0.70	cps
Molybdenum	98-1	372948288	372657448	375140688	373582141	0.36	cps
Neodymium	150-1	7582	7626	7622	7610	0.32	cps
Neodymium	150-2	507	633	537	559	11.84	cps
Nickel	60-2	5246876	5238797	5185820	5223831	0.63	cps
Phosphorus	31-2	260361	260803	260882	260682	0.11	cps
Potassium	39-2	30715311	30481585	30570070	30588989	0.39	cps
Rhodium	103-1	41789855	41272480	41444116	41502150	0.63	cps
Rhodium	103-2	17558079	17086203	17011221	17218501	1.72	cps
Scandium	45-1	31179585	31149298	31239975	31189619	0.15	cps
Scandium	45-2	889580	882462	879307	883783	0.60	cps
Selenium	82-1	601912	602162	596358	600144	0.55	cps
Selenium	77-2	17558	17698	17304	17520	1.14	cps
Selenium	78-2	59977	59013	59164	59385	0.87	cps
Silicon	28-1	79123162	80746125	80649547	80172945	1.14	cps
Silver	107-1	55304161	55070224	55572005	55315463	0.45	cps
Silver	109-1	50328721	50932146	50539433	50600100	0.61	cps
Sodium	23-2	163839211	162463268	163701448	163334642	0.46	cps
Strontium	86-1	352753568	345573755	356697075	351674799	1.60	cps
Strontium	88-1	3094799741	3117725714	3147614460	3120046638	0.85	cps
Sulfur	34-1	4575424	4599439	4513813	4562892	0.97	cps
Terbium	159-1	65253527	64687991	65733361	65224960	0.80	cps
Terbium	159-2	25012356	25154895	24833484	25000245	0.64	cps
Thallium	203-1	44514953	45257684	44704338	44825658	0.86	cps
Thallium	205-1	105834525	105089788	105621295	105515203	0.36	cps
Tin	118-1	35671250	36329474	36580468	36193731	1.30	cps
Titanium	47-1	67209411	67491422	67816174	67505669	0.45	cps
Uranium	238-1	153439678	154765611	155942514	154715934	0.81	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 16:49:16	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	8586389	8560156	8597532	8581359	0.22	cps
Ytterbium	172-1	950	960	933	948	1.42	cps
Ytterbium	172-2	377	387	427	397	6.67	cps
Ytterbium	176-1	230213	224132	223728	226024	1.61	cps
Ytterbium	176-2	171913	171822	171755	171830	0.05	cps
Yttrium	89-1	69895884	70108314	69960214	69988137	0.16	cps
Yttrium	89-2	7016659	6943115	6917031	6958935	0.74	cps
Zinc	66-2	14827585	14550313	14676366	14684755	0.95	cps
Zirconium	90-1	75822401	76087206	76603842	76171149	0.52	cps
Zirconium	91-1	16653929	17027324	16749451	16810235	1.15	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 16:52:17	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	30184242	30195931	30503100	30294425	0.60	cps
Antimony	121-1	14238	15956	19063	16419	14.90	cps
Arsenic	75-2	420	470	503	464	9.03	cps
Barium	135-1	15599	15646	15652	15632	0.19	cps
Barium	137-1	27832	26820	26493	27048	2.58	cps
Beryllium	9-1	1379	1191	1062	1211	13.13	cps
Bismuth	209-1	26775843	26742363	26052575	26523594	1.54	cps
Bismuth	209-2	12477012	12545352	12557987	12526784	0.35	cps
Bromine	81-1	20345	20582	20084	20337	1.22	cps
Cadmium	108-1	357	420	330	369	12.53	cps
Cadmium	106-1	36926	36973	36452	36783	0.78	cps
Cadmium	111-1	2847	2931	2858	2879	1.59	cps
Calcium	43-1	58877499	58874906	58263301	58671902	0.60	cps
Calcium	44-1	942156999	964941639	953168572	953422404	1.20	cps
Carbon	12-1	5768884	5751142	5732509	5750845	0.32	cps
Carbon	12-2	75864	76879	76424	76389	0.67	cps
Chlorine	35-1	202648	203066	205152	203622	0.66	cps
Chlorine	35-2	1510	1483	1420	1471	3.14	cps
Chromium	52-2	34378	34405	35320	34701	1.55	cps
Cobalt	59-2	38943	39922	39809	39558	1.35	cps
Copper	63-2	29801	29080	29170	29350	1.34	cps
Dysprosium	156-1	2084	1940	1960	1995	3.89	cps
Dysprosium	156-2	703	740	727	723	2.57	cps
Erbium	164-1	1350	1390	1440	1393	3.24	cps
Erbium	164-2	590	573	593	586	1.83	cps
Gadolinium	160-1	2197	2474	2450	2374	6.47	cps
Gadolinium	160-2	1833	1783	1753	1790	2.26	cps
Holmium	165-1	51657831	50767788	50900244	51108621	0.94	cps
Holmium	165-2	21906830	21670226	21798401	21791819	0.54	cps
Indium	115-1	36687803	35972003	36230256	36296687	1.00	cps
Indium	115-2	6020960	6032988	6092552	6048833	0.63	cps
Iron	54-2	109378355	110020082	110664365	110020934	0.58	cps
Iron	56-2	1996879810	2052889889	2056052183	2035273961	1.64	cps
Iron	57-2	50880953	51008951	51653744	51181216	0.81	cps
Krypton	83-1	533	607	507	549	9.43	cps
Lead	206-1	34359	32421	32521	33100	3.30	cps

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On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 16:52:17	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	29407	28498	27797	28567	2.83	cps
Lead	208-1	136140	129858	126492	130830	3.74	cps
Lithium	6-1	17092253	17241274	16875299	17069609	1.08	cps
Magnesium	24-2	373533874	380973154	376994714	377167248	0.99	cps
Manganese	55-2	23105	24140	24151	23799	2.52	cps
Molybdenum	94-1	29799	29638	29334	29590	0.80	cps
Molybdenum	95-1	34626	34259	34827	34571	0.83	cps
Molybdenum	96-1	46243	45398	45839	45827	0.92	cps
Molybdenum	97-1	19300	19043	19250	19198	0.71	cps
Molybdenum	98-1	49013	46588	46772	47458	2.84	cps
Neodymium	150-1	803	807	823	811	1.32	cps
Neodymium	150-2	237	273	270	260	7.80	cps
Nickel	60-2	20525	20268	20782	20525	1.25	cps
Phosphorus	31-2	1777	1740	1807	1775	1.88	cps
Potassium	39-2	150959124	150904064	154574388	152145859	1.38	cps
Rhodium	103-1	32172926	31096070	31034079	31434358	2.04	cps
Rhodium	103-2	13861801	13956176	13800314	13872764	0.57	cps
Scandium	45-1	26151185	25796459	25504143	25817262	1.26	cps
Scandium	45-2	848320	856818	851103	852080	0.51	cps
Selenium	82-1	127	73	143	114	31.95	cps
Selenium	77-2	3	10	23	12	83.33	cps
Selenium	78-2	47	40	40	42	9.12	cps
Silicon	28-1	1708326	1671813	1582148	1654096	3.93	cps
Silver	107-1	3755	3896	3464	3705	5.94	cps
Silver	109-1	3384	3120	2810	3105	9.25	cps
Sodium	23-2	768192309	770441642	773093348	770575766	0.32	cps
Strontium	86-1	37928	36087	35415	36477	3.57	cps
Strontium	88-1	328257	318291	308071	318207	3.17	cps
Sulfur	34-1	570353	572623	575919	572965	0.49	cps
Terbium	159-1	52321251	51722933	51875629	51973271	0.60	cps
Terbium	159-2	21666737	22328230	21808255	21934407	1.59	cps
Thallium	203-1	5648	5004	4621	5091	10.19	cps
Thallium	205-1	13277	11715	10871	11955	10.21	cps
Tin	118-1	33317	33160	33117	33198	0.32	cps
Titanium	47-1	14184	13270	13737	13730	3.33	cps
Uranium	238-1	3541	2807	2684	3010	15.39	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 16:52:17	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1333	1380	1530	1415	7.27	cps
Ytterbium	172-1	2127	2157	2110	2131	1.11	cps
Ytterbium	172-2	1083	1040	1010	1044	3.53	cps
Ytterbium	176-1	16801	17111	16344	16752	2.31	cps
Ytterbium	176-2	82398	83381	84011	83263	0.98	cps
Yttrium	89-1	58508252	57424084	56855754	57596030	1.46	cps
Yttrium	89-2	6652153	6675824	6690657	6672878	0.29	cps
Zinc	66-2	9690	9677	9010	9459	4.11	cps
Zirconium	90-1	34088	33590	33981	33887	0.77	cps
Zirconium	91-1	7569	7175	7259	7334	2.83	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	ICV001	Instrumnet Name :	P8
Client Sample ID :	ICV001	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:07:24	DataFile Name :	012ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	169042	168990	167944	168659	0.37	cps
Antimony	121-1	7617676	7589154	7551926	7586252	0.43	cps
Arsenic	75-2	184119	184468	183608	184065	0.23	cps
Barium	135-1	1061041	1058011	1055515	1058189	0.26	cps
Barium	137-1	1890299	1918787	1927109	1912065	1.01	cps
Beryllium	9-1	1417277	1397098	1414503	1409626	0.78	cps
Bismuth	209-1	40085256	40032814	39834690	39984254	0.33	cps
Bismuth	209-2	18196646	18581314	18091506	18289822	1.41	cps
Bromine	81-1	24084	24422	24715	24407	1.29	cps
Cadmium	108-1	72845	73032	72674	72850	0.25	cps
Cadmium	106-1	142774	143565	144811	143717	0.71	cps
Cadmium	111-1	1036442	1044740	1039205	1040129	0.41	cps
Calcium	43-1	290228	293059	287002	290096	1.04	cps
Calcium	44-1	4827621	4888832	4887098	4867850	0.72	cps
Carbon	12-1	6910046	6894288	6791970	6865435	0.93	cps
Carbon	12-2	63737	63734	64460	63977	0.65	cps
Chlorine	35-1	257700	261031	260853	259861	0.72	cps
Chlorine	35-2	1460	1443	1363	1422	3.63	cps
Chromium	52-2	1191807	1192185	1187809	1190600	0.20	cps
Cobalt	59-2	2330394	2294962	2298296	2307884	0.85	cps
Copper	63-2	1679222	1720008	1757713	1718981	2.28	cps
Dysprosium	156-1	147	153	137	146	5.76	cps
Dysprosium	156-2	37	20	33	30	29.40	cps
Erbium	164-1	470	457	430	452	4.50	cps
Erbium	164-2	163	190	187	180	8.07	cps
Gadolinium	160-1	1213	1307	1240	1253	3.84	cps
Gadolinium	160-2	1387	1270	1367	1341	4.65	cps
Holmium	165-1	64600326	64707924	63714741	64340997	0.85	cps
Holmium	165-2	26382630	26357748	26029120	26256499	0.75	cps
Indium	115-1	50577780	50275278	50228808	50360622	0.38	cps
Indium	115-2	7521183	7664430	7297094	7494235	2.47	cps
Iron	54-2	1119694	1111608	1110365	1113889	0.45	cps
Iron	56-2	20488501	20769035	20218799	20492112	1.34	cps
Iron	57-2	502677	498516	490825	497339	1.21	cps
Krypton	83-1	330	337	320	329	2.55	cps
Lead	206-1	7866306	7909960	7754033	7843433	1.03	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	ICV001	Instrumnet Name :	P8
Client Sample ID :	ICV001	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:07:24	DataFile Name :	012ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	6524239	6478723	6376543	6459835	1.17	cps
Lead	208-1	30651437	30764804	30540239	30652160	0.37	cps
Lithium	6-1	24841064	24482467	24626636	24650056	0.73	cps
Magnesium	24-2	1081268	1082938	1082926	1082377	0.09	cps
Manganese	55-2	629545	635435	624634	629871	0.86	cps
Molybdenum	94-1	2697	2527	2664	2629	3.43	cps
Molybdenum	95-1	1397	1173	1227	1266	9.22	cps
Molybdenum	96-1	2197	2164	2327	2229	3.87	cps
Molybdenum	97-1	777	753	763	764	1.53	cps
Molybdenum	98-1	2424	2220	2240	2295	4.88	cps
Neodymium	150-1	230	200	210	213	7.16	cps
Neodymium	150-2	40	40	17	32	41.80	cps
Nickel	60-2	597955	600294	594527	597592	0.49	cps
Phosphorus	31-2	1640	1770	1707	1706	3.81	cps
Potassium	39-2	1367476	1387032	1362567	1372359	0.94	cps
Rhodium	103-1	47498964	48540696	47440136	47826599	1.29	cps
Rhodium	103-2	20324554	20568141	19943431	20278709	1.55	cps
Scandium	45-1	33856552	34155264	33489854	33833890	0.99	cps
Scandium	45-2	997634	994239	987127	993000	0.54	cps
Selenium	82-1	136012	135753	136116	135960	0.14	cps
Selenium	77-2	4217	4324	3984	4175	4.17	cps
Selenium	78-2	14411	14254	13817	14161	2.17	cps
Silicon	28-1	1148030	1085297	1077509	1103612	3.50	cps
Silver	107-1	3136808	3117067	3047958	3100611	1.50	cps
Silver	109-1	2955810	2940095	2914749	2936885	0.71	cps
Sodium	23-2	3703727	3604690	3597195	3635204	1.64	cps
Strontium	86-1	4477	4387	4237	4367	2.78	cps
Strontium	88-1	35625	33954	33918	34499	2.83	cps
Sulfur	34-1	788675	789063	784329	787356	0.33	cps
Terbium	159-1	66424626	65733427	66356664	66171572	0.58	cps
Terbium	159-2	26777923	26022962	26713798	26504894	1.58	cps
Thallium	203-1	9465801	9334550	9329135	9376495	0.83	cps
Thallium	205-1	22113111	22645232	22268333	22342225	1.22	cps
Tin	118-1	8226	8236	8506	8323	1.91	cps
Titanium	47-1	677	813	750	747	9.16	cps
Uranium	238-1	307	233	297	279	14.26	cps

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LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	ICV001	Instrumnet Name :	P8
Client Sample ID :	ICV001	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:07:24	DataFile Name :	012ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	899399	902502	903157	901686	0.22	cps
Ytterbium	172-1	433	387	340	387	12.07	cps
Ytterbium	172-2	190	180	167	179	6.54	cps
Ytterbium	176-1	18907	18673	17939	18506	2.73	cps
Ytterbium	176-2	100908	101768	100398	101025	0.69	cps
Yttrium	89-1	73616314	74291206	73015854	73641124	0.87	cps
Yttrium	89-2	7777814	7669113	7665101	7704009	0.83	cps
Zinc	66-2	334994	331524	331903	332807	0.57	cps
Zirconium	90-1	5895	6368	6792	6352	7.07	cps
Zirconium	91-1	2684	2870	3090	2881	7.07	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	ICB001	Instrumnet Name :	P8
Client Sample ID :	ICB001	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:11:57	DataFile Name :	013CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	463	353	370	396	14.99	cps
Antimony	121-1	700	1067	1557	1108	38.80	cps
Arsenic	75-2	7	10	3	7	50.03	cps
Barium	135-1	173	213	203	197	10.58	cps
Barium	137-1	310	290	277	292	5.74	cps
Beryllium	9-1	611	660	625	632	3.98	cps
Bismuth	209-1	39944283	39872415	39744238	39853645	0.25	cps
Bismuth	209-2	18384456	18429418	18337938	18383937	0.25	cps
Bromine	81-1	23563	23463	24358	23795	2.06	cps
Cadmium	108-1	87	117	93	99	15.93	cps
Cadmium	106-1	45117	46013	44492	45207	1.69	cps
Cadmium	111-1	2329	2319	2279	2309	1.13	cps
Calcium	43-1	1403	1380	1287	1357	4.55	cps
Calcium	44-1	25202	24932	25436	25190	1.00	cps
Carbon	12-1	6138352	5884516	5838453	5953773	2.71	cps
Carbon	12-2	53497	53584	53346	53476	0.22	cps
Chlorine	35-1	230114	234248	231373	231912	0.91	cps
Chlorine	35-2	1427	1143	1300	1290	11.00	cps
Chromium	52-2	2774	2354	2404	2510	9.14	cps
Cobalt	59-2	250	300	267	272	9.35	cps
Copper	63-2	9830	9844	9763	9812	0.44	cps
Dysprosium	156-1	117	120	93	110	13.21	cps
Dysprosium	156-2	13	10	20	14	35.26	cps
Erbium	164-1	463	477	403	448	8.72	cps
Erbium	164-2	180	243	130	184	30.80	cps
Gadolinium	160-1	1157	1110	1250	1172	6.08	cps
Gadolinium	160-2	1317	1327	1450	1365	5.44	cps
Holmium	165-1	64275697	62200566	62779431	63085231	1.70	cps
Holmium	165-2	26285357	26114255	26015265	26138292	0.52	cps
Indium	115-1	49063103	49365434	49217016	49215184	0.31	cps
Indium	115-2	7503719	7449893	7458958	7470857	0.39	cps
Iron	54-2	1687	1663	1510	1620	5.92	cps
Iron	56-2	15532	15228	15535	15432	1.14	cps
Iron	57-2	510	403	503	472	12.65	cps
Krypton	83-1	310	397	303	337	15.47	cps
Lead	206-1	2184	2027	2030	2080	4.30	cps

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	ICB001	Instrumnet Name :	P8
Client Sample ID :	ICB001	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:11:57	DataFile Name :	013CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1750	1633	1803	1729	5.03	cps
Lead	208-1	8398	7881	8184	8154	3.18	cps
Lithium	6-1	24631435	24257939	24523063	24470813	0.79	cps
Magnesium	24-2	837	920	893	883	4.82	cps
Manganese	55-2	537	587	543	556	4.89	cps
Molybdenum	94-1	1227	1297	1450	1325	8.63	cps
Molybdenum	95-1	457	390	463	437	9.29	cps
Molybdenum	96-1	793	673	800	756	9.43	cps
Molybdenum	97-1	347	277	283	302	12.78	cps
Molybdenum	98-1	737	640	603	660	10.44	cps
Neodymium	150-1	37	27	47	37	27.27	cps
Neodymium	150-2	13	23	17	18	28.64	cps
Nickel	60-2	697	667	533	632	13.75	cps
Phosphorus	31-2	1813	1767	1813	1798	1.50	cps
Potassium	39-2	23843	24147	24284	24091	0.94	cps
Rhodium	103-1	47031623	47728124	47486156	47415301	0.75	cps
Rhodium	103-2	20199970	20405330	20068821	20224707	0.84	cps
Scandium	45-1	33282966	32981799	33852452	33372406	1.32	cps
Scandium	45-2	988838	990835	982789	987487	0.42	cps
Selenium	82-1	30	-103	-23	-32	-208.28	cps
Selenium	77-2	0	3	0	1	173.21	cps
Selenium	78-2	27	27	20	24	15.75	cps
Silicon	28-1	1076749	1050210	1081938	1069633	1.59	cps
Silver	107-1	794	707	767	756	5.89	cps
Silver	109-1	363	297	317	326	10.51	cps
Sodium	23-2	44712	44407	43230	44116	1.77	cps
Strontium	86-1	673	540	617	610	10.97	cps
Strontium	88-1	2014	1303	1237	1518	28.36	cps
Sulfur	34-1	803079	802608	806503	804063	0.26	cps
Terbium	159-1	65452817	64467992	65477099	65132636	0.88	cps
Terbium	159-2	26391090	26308260	26213914	26304421	0.34	cps
Thallium	203-1	1657	1797	1837	1763	5.36	cps
Thallium	205-1	4334	4124	4041	4166	3.63	cps
Tin	118-1	8132	8533	8479	8382	2.59	cps
Titanium	47-1	500	874	450	608	38.10	cps
Uranium	238-1	240	183	243	222	15.17	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	ICB001	Instrumnet Name :	P8
Client Sample ID :	ICB001	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:11:57	DataFile Name :	013CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	33	37	30	33	10.01	cps
Ytterbium	172-1	427	470	367	421	12.32	cps
Ytterbium	172-2	210	167	270	216	24.07	cps
Ytterbium	176-1	18353	18763	18286	18467	1.40	cps
Ytterbium	176-2	98393	98950	99518	98954	0.57	cps
Yttrium	89-1	73121246	72356551	71538466	72338754	1.09	cps
Yttrium	89-2	7657860	7675306	7688073	7673746	0.20	cps
Zinc	66-2	3444	3334	3317	3365	2.05	cps
Zirconium	90-1	4321	4384	4918	4541	7.22	cps
Zirconium	91-1	673	637	727	679	6.67	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	ICSA001	Instrumnet Name :	P8
Client Sample ID :	ICSA001	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:15:17	DataFile Name :	014ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	30770645	31031604	31012299	30938183	0.47	cps
Antimony	121-1	41152	42175	43098	42141	2.31	cps
Arsenic	75-2	360	397	323	360	10.19	cps
Barium	135-1	14268	14685	14908	14620	2.22	cps
Barium	137-1	25043	25334	26015	25464	1.96	cps
Beryllium	9-1	3799	3908	3920	3875	1.72	cps
Bismuth	209-1	35321469	34961278	35734546	35339098	1.09	cps
Bismuth	209-2	13391089	15105959	14918741	14471930	6.50	cps
Bromine	81-1	27557	28529	29491	28526	3.39	cps
Cadmium	108-1	20863	20696	20966	20841	0.65	cps
Cadmium	106-1	43251	42990	43686	43309	0.81	cps
Cadmium	111-1	12381	12178	11853	12137	2.20	cps
Calcium	43-1	14271064	14344594	14670838	14428832	1.47	cps
Calcium	44-1	229239677	230353130	233901857	231164888	1.05	cps
Carbon	12-1	92899455	94556259	96357259	94604324	1.83	cps
Carbon	12-2	831915	811148	838451	827171	1.72	cps
Chlorine	35-1	185549924	192219770	198191990	191987228	3.29	cps
Chlorine	35-2	1249246	1274161	1269344	1264251	1.05	cps
Chromium	52-2	222010	220697	224711	222473	0.92	cps
Cobalt	59-2	24157	23733	24261	24050	1.16	cps
Copper	63-2	147136	150689	150437	149420	1.33	cps
Dysprosium	156-1	297	290	257	281	7.62	cps
Dysprosium	156-2	113	97	83	98	15.38	cps
Erbium	164-1	617	520	630	589	10.19	cps
Erbium	164-2	237	240	237	238	0.81	cps
Gadolinium	160-1	1400	1193	1230	1275	8.65	cps
Gadolinium	160-2	1103	1140	1263	1169	7.17	cps
Holmium	165-1	62745269	63159114	62824041	62909475	0.35	cps
Holmium	165-2	21609086	24387178	23585953	23194072	6.16	cps
Indium	115-1	45785191	45811753	46545367	46047437	0.94	cps
Indium	115-2	5920244	6705961	6477984	6368063	6.35	cps
Iron	54-2	52276891	51561223	51360518	51732877	0.93	cps
Iron	56-2	946462119	947552306	951843746	948619390	0.30	cps
Iron	57-2	24146527	23699268	23928040	23924612	0.93	cps
Krypton	83-1	343	340	327	337	2.62	cps
Lead	206-1	194157	174342	168385	178961	7.54	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	ICSA001	Instrumnet Name :	P8
Client Sample ID :	ICSA001	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:15:17	DataFile Name :	014ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	155589	137629	134598	142605	7.96	cps
Lead	208-1	732543	654109	641050	675901	7.32	cps
Lithium	6-1	22851937	23077550	23217765	23049084	0.80	cps
Magnesium	24-2	86327639	87378242	86581719	86762533	0.63	cps
Manganese	55-2	46729	46345	46408	46494	0.44	cps
Molybdenum	94-1	23674530	24062320	24773180	24170010	2.31	cps
Molybdenum	95-1	42175232	42485863	42913439	42524845	0.87	cps
Molybdenum	96-1	45329869	45716038	46398431	45814779	1.18	cps
Molybdenum	97-1	25801200	26114198	26809766	26241722	1.97	cps
Molybdenum	98-1	68050071	68635791	70552399	69079420	1.89	cps
Neodymium	150-1	283	217	287	262	15.06	cps
Neodymium	150-2	107	67	73	82	26.07	cps
Nickel	60-2	28756	28495	28622	28624	0.46	cps
Phosphorus	31-2	1477826	1464451	1465508	1469262	0.51	cps
Potassium	39-2	64599752	65181531	65317791	65033025	0.59	cps
Rhodium	103-1	41366291	41238035	42028471	41544266	1.02	cps
Rhodium	103-2	15432416	17450576	17196103	16693032	6.58	cps
Scandium	45-1	31971196	32435143	32068189	32158176	0.76	cps
Scandium	45-2	838690	967044	924353	910029	7.18	cps
Selenium	82-1	-20	17	133	43	184.77	cps
Selenium	77-2	3	3	10	6	69.34	cps
Selenium	78-2	13	23	23	20	28.87	cps
Silicon	28-1	1785479	1760951	1783146	1776525	0.76	cps
Silver	107-1	3862	3687	3831	3794	2.47	cps
Silver	109-1	1397	1290	1210	1299	7.21	cps
Sodium	23-2	174654264	175572464	176416984	175547904	0.50	cps
Strontium	86-1	456211	462513	467886	462203	1.26	cps
Strontium	88-1	4151267	4266929	4328940	4249045	2.12	cps
Sulfur	34-1	19822696	19823419	20289517	19978544	1.35	cps
Terbium	159-1	64553701	62744204	64761177	64019694	1.73	cps
Terbium	159-2	21816667	24838885	23890745	23515432	6.57	cps
Thallium	203-1	9040	8853	8409	8767	3.69	cps
Thallium	205-1	21812	20620	20159	20864	4.09	cps
Tin	118-1	94545	60589	41981	65705	40.56	cps
Titanium	47-1	13367011	13541204	13693171	13533795	1.21	cps
Uranium	238-1	2674	2690	2550	2638	2.90	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	ICSA001	Instrumnet Name :	P8
Client Sample ID :	ICSA001	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:15:17	DataFile Name :	014ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1530	1490	1477	1499	1.85	cps
Ytterbium	172-1	400	490	480	457	10.80	cps
Ytterbium	172-2	247	233	153	211	23.91	cps
Ytterbium	176-1	17178	17115	17145	17146	0.19	cps
Ytterbium	176-2	76501	87619	84223	82781	6.88	cps
Yttrium	89-1	70147081	70730529	73564144	71480584	2.56	cps
Yttrium	89-2	6327633	7247327	7138660	6904540	7.28	cps
Zinc	66-2	19250	19834	19443	19509	1.53	cps
Zirconium	90-1	5588	5618	5885	5697	2.87	cps
Zirconium	91-1	843	997	990	943	9.19	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	ICSAB001	Instrumnet Name :	P8
Client Sample ID :	ICSAB001	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:18:22	DataFile Name :	015ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	31665351	30961591	31875384	31500775	1.52	cps
Antimony	121-1	774069	770752	776052	773624	0.35	cps
Arsenic	75-2	18452	18499	18045	18332	1.36	cps
Barium	135-1	223432	223644	224873	223983	0.35	cps
Barium	137-1	389103	395525	393413	392680	0.83	cps
Beryllium	9-1	247371	248112	246747	247410	0.28	cps
Bismuth	209-1	35723499	36748109	36387255	36286288	1.43	cps
Bismuth	209-2	15475430	15628450	15336248	15480043	0.94	cps
Bromine	81-1	30894	30881	33323	31699	4.44	cps
Cadmium	108-1	35382	34720	34520	34874	1.29	cps
Cadmium	106-1	62434	62896	61744	62358	0.93	cps
Cadmium	111-1	205533	204187	205151	204957	0.34	cps
Calcium	43-1	15209109	14992739	15210449	15137432	0.83	cps
Calcium	44-1	248736096	246448196	245730956	246971750	0.64	cps
Carbon	12-1	100481595	101507285	101818542	101269141	0.69	cps
Carbon	12-2	831557	858600	854462	848206	1.72	cps
Chlorine	35-1	203440904	211165950	212168624	208925159	2.29	cps
Chlorine	35-2	1298463	1343074	1319523	1320353	1.69	cps
Chromium	52-2	456887	462846	456212	458648	0.80	cps
Cobalt	59-2	436850	435445	433147	435147	0.43	cps
Copper	63-2	458055	461053	462751	460620	0.52	cps
Dysprosium	156-1	237	267	290	264	10.11	cps
Dysprosium	156-2	110	97	90	99	10.30	cps
Erbium	164-1	627	700	603	643	7.84	cps
Erbium	164-2	257	257	277	263	4.38	cps
Gadolinium	160-1	1357	1317	1230	1301	4.98	cps
Gadolinium	160-2	1217	1237	1210	1221	1.14	cps
Holmium	165-1	64814209	66351434	64061754	65075799	1.79	cps
Holmium	165-2	25534615	25558445	24368670	25153910	2.70	cps
Indium	115-1	47732130	48435007	48170510	48112549	0.74	cps
Indium	115-2	6747244	6823122	6633680	6734682	1.42	cps
Iron	54-2	52499688	53813971	53608601	53307420	1.33	cps
Iron	56-2	983627212	972616706	995869665	984037861	1.18	cps
Iron	57-2	24793334	24815716	24571192	24726747	0.55	cps
Krypton	83-1	373	357	410	380	7.18	cps
Lead	206-1	921674	917028	906839	915180	0.83	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	ICSAB001	Instrumnet Name :	P8
Client Sample ID :	ICSAB001	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:18:22	DataFile Name :	015ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	767557	777179	773024	772587	0.62	cps
Lead	208-1	3693059	3629707	3651656	3658141	0.88	cps
Lithium	6-1	23525385	24201223	24530138	24085582	2.13	cps
Magnesium	24-2	89392019	89481285	90723099	89865468	0.83	cps
Manganese	55-2	164539	166465	168343	166449	1.14	cps
Molybdenum	94-1	25678957	25556330	25830100	25688463	0.53	cps
Molybdenum	95-1	44701451	44519463	44800126	44673680	0.32	cps
Molybdenum	96-1	48087926	48048724	48785989	48307547	0.86	cps
Molybdenum	97-1	27876675	27579785	27749731	27735397	0.54	cps
Molybdenum	98-1	71801632	72231441	71319734	71784269	0.64	cps
Neodymium	150-1	213	270	237	240	11.87	cps
Neodymium	150-2	60	67	57	61	8.33	cps
Nickel	60-2	137355	135891	138648	137298	1.00	cps
Phosphorus	31-2	1520914	1514019	1482378	1505770	1.36	cps
Potassium	39-2	66163292	66776534	66539189	66493005	0.47	cps
Rhodium	103-1	43405794	43982239	43557136	43648390	0.68	cps
Rhodium	103-2	18320816	18000042	17584718	17968525	2.05	cps
Scandium	45-1	33872073	34340157	33856775	34023002	0.81	cps
Scandium	45-2	987811	992248	974493	984851	0.94	cps
Selenium	82-1	13697	14171	13273	13714	3.27	cps
Selenium	77-2	437	340	347	374	14.42	cps
Selenium	78-2	1323	1370	1350	1348	1.74	cps
Silicon	28-1	1877567	1912954	1920812	1903778	1.21	cps
Silver	107-1	1024114	1024078	1030708	1026300	0.37	cps
Silver	109-1	969515	978325	988318	978719	0.96	cps
Sodium	23-2	180686851	181120037	184747417	182184768	1.22	cps
Strontium	86-1	484426	486546	491268	487414	0.72	cps
Strontium	88-1	4468265	4510418	4522283	4500322	0.63	cps
Sulfur	34-1	21204942	21030275	21075346	21103521	0.43	cps
Terbium	159-1	65345309	66961259	66466586	66257718	1.25	cps
Terbium	159-2	25483406	24971188	24793738	25082777	1.43	cps
Thallium	203-1	985782	984671	990720	987058	0.33	cps
Thallium	205-1	2436852	2416614	2399009	2417492	0.78	cps
Tin	118-1	20756	20078	20532	20455	1.69	cps
Titanium	47-1	14327694	14364255	14227769	14306573	0.49	cps
Uranium	238-1	2687	2554	2624	2621	2.54	cps

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	ICSAB001	Instrumnet Name :	P8
Client Sample ID :	ICSAB001	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:18:22	DataFile Name :	015ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	181221	178306	179372	179633	0.82	cps
Ytterbium	172-1	430	427	360	406	9.74	cps
Ytterbium	172-2	217	233	217	222	4.33	cps
Ytterbium	176-1	17759	17592	17732	17694	0.51	cps
Ytterbium	176-2	87111	87940	87531	87527	0.47	cps
Yttrium	89-1	74349231	74772381	74828577	74650063	0.35	cps
Yttrium	89-2	7422297	7447284	7290558	7386713	1.14	cps
Zinc	66-2	51349	51108	51088	51182	0.28	cps
Zirconium	90-1	5318	5388	5611	5439	2.82	cps
Zirconium	91-1	963	1097	1090	1050	7.16	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	CCV001	Instrumnet Name :	P8
Client Sample ID :	CCV001	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:21:28	DataFile Name :	016CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	17479780	17554296	17592725	17542267	0.33	cps
Antimony	121-1	17706861	17808826	17909459	17808382	0.57	cps
Arsenic	75-2	411356	414081	415301	413579	0.49	cps
Barium	135-1	26198655	26089821	26594480	26294319	1.01	cps
Barium	137-1	45181443	45406271	45044974	45210896	0.40	cps
Beryllium	9-1	5969051	6025606	6000102	5998253	0.47	cps
Bismuth	209-1	33319261	32559955	32814873	32898030	1.17	cps
Bismuth	209-2	14501352	14347406	14419116	14422625	0.53	cps
Bromine	81-1	26031	26261	25293	25862	1.96	cps
Cadmium	108-1	429347	427165	425002	427171	0.51	cps
Cadmium	106-1	646809	639378	635916	640701	0.87	cps
Cadmium	111-1	4672886	4668762	4596749	4646133	0.92	cps
Calcium	43-1	39203326	38512784	39134463	38950191	0.98	cps
Calcium	44-1	625928591	605374551	613189084	614830742	1.69	cps
Carbon	12-1	7959778	8067233	8075946	8034319	0.81	cps
Carbon	12-2	84370	84404	83572	84115	0.56	cps
Chlorine	35-1	5404359	4944210	4454288	4934285	9.63	cps
Chlorine	35-2	22661	21947	20698	21769	4.56	cps
Chromium	52-2	5969673	5966580	5867835	5934696	0.98	cps
Cobalt	59-2	10110345	10047823	10186875	10115014	0.69	cps
Copper	63-2	75078051	74664882	74152179	74631704	0.62	cps
Dysprosium	156-1	1733	1797	1777	1769	1.83	cps
Dysprosium	156-2	757	723	640	707	8.50	cps
Erbium	164-1	1140	1113	1213	1156	4.48	cps
Erbium	164-2	473	423	417	438	7.07	cps
Gadolinium	160-1	1883	1937	1770	1863	4.57	cps
Gadolinium	160-2	1630	1513	1490	1545	4.86	cps
Holmium	165-1	61806242	61633149	60660914	61366769	1.01	cps
Holmium	165-2	24277124	24326240	24097655	24233673	0.50	cps
Indium	115-1	45139288	44934162	44895363	44989604	0.29	cps
Indium	115-2	6675883	6736269	6757446	6723200	0.63	cps
Iron	54-2	66016719	65921777	65774444	65904313	0.19	cps
Iron	56-2	1220358115	1216662249	1187461502	1208160622	1.49	cps
Iron	57-2	30406796	30364890	31118100	30629929	1.38	cps
Krypton	83-1	530	517	573	540	5.49	cps
Lead	206-1	84830849	84458419	83708057	84332442	0.68	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	CCV001	Instrumnet Name :	P8
Client Sample ID :	CCV001	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:21:28	DataFile Name :	016CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	72716281	71239376	71304681	71753446	1.16	cps
Lead	208-1	334903993	331596198	332726042	333075411	0.50	cps
Lithium	6-1	22492066	22123275	22325632	22313657	0.83	cps
Magnesium	24-2	220765923	223047163	221125990	221646359	0.55	cps
Manganese	55-2	30962048	31041055	30673624	30892242	0.63	cps
Molybdenum	94-1	81913754	81666255	80993650	81524553	0.58	cps
Molybdenum	95-1	119166572	118970635	118828895	118988700	0.14	cps
Molybdenum	96-1	130694271	131026581	131675298	131132050	0.38	cps
Molybdenum	97-1	73563432	73783371	72692586	73346463	0.79	cps
Molybdenum	98-1	192838570	191131564	189178557	191049564	0.96	cps
Neodymium	150-1	3894	3807	3884	3862	1.23	cps
Neodymium	150-2	380	250	310	313	20.76	cps
Nickel	60-2	2703033	2706770	2732342	2714049	0.59	cps
Phosphorus	31-2	145548	147238	147337	146708	0.69	cps
Potassium	39-2	87297765	86485155	86743895	86842272	0.48	cps
Rhodium	103-1	39620552	39176012	39487166	39427910	0.58	cps
Rhodium	103-2	16926875	16825114	16857739	16869909	0.31	cps
Scandium	45-1	33037093	32077958	32389586	32501546	1.51	cps
Scandium	45-2	969470	963380	971520	968123	0.44	cps
Selenium	82-1	299943	297734	297242	298306	0.48	cps
Selenium	77-2	8966	9116	9220	9101	1.40	cps
Selenium	78-2	30336	30583	31078	30666	1.23	cps
Silicon	28-1	51781688	52775931	51956934	52171518	1.02	cps
Silver	107-1	26450852	26243023	26243842	26312572	0.46	cps
Silver	109-1	24091758	23979372	24073912	24048347	0.25	cps
Sodium	23-2	458329047	456540220	452870460	455913242	0.61	cps
Strontium	86-1	180028844	178771551	178534637	179111677	0.45	cps
Strontium	88-1	1597732616	1594573096	1591642163	1594649292	0.19	cps
Sulfur	34-1	2862878	2849691	2828169	2846913	0.62	cps
Terbium	159-1	62889779	61374894	61567269	61943981	1.33	cps
Terbium	159-2	24277669	24467947	24257450	24334355	0.48	cps
Thallium	203-1	20722713	20970965	20639955	20777877	0.83	cps
Thallium	205-1	49804231	49571971	49746938	49707713	0.24	cps
Tin	118-1	17934015	18151985	18073418	18053139	0.61	cps
Titanium	47-1	35595004	35709109	35606253	35636789	0.18	cps
Uranium	238-1	72899797	73593034	73313601	73268811	0.48	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	CCV001	Instrumnet Name :	P8
Client Sample ID :	CCV001	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:21:28	DataFile Name :	016CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	4751524	4744268	4768528	4754773	0.26	cps
Ytterbium	172-1	1647	1453	1403	1501	8.56	cps
Ytterbium	172-2	727	673	697	699	3.83	cps
Ytterbium	176-1	118462	119878	117497	118612	1.01	cps
Ytterbium	176-2	123629	127915	124689	125411	1.78	cps
Yttrium	89-1	71715584	71131786	71101949	71316439	0.49	cps
Yttrium	89-2	7405068	7473718	7504064	7460950	0.68	cps
Zinc	66-2	7484046	7517940	7467194	7489727	0.35	cps
Zirconium	90-1	39742909	39874471	39407709	39675030	0.61	cps
Zirconium	91-1	8895758	8849193	8786712	8843888	0.62	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	CCB001	Instrumnet Name :	P8
Client Sample ID :	CCB001	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:24:19	DataFile Name :	017CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3027	2934	2874	2945	2.62	cps
Antimony	121-1	4741	7079	10351	7390	38.13	cps
Arsenic	75-2	20	23	50	31	52.86	cps
Barium	135-1	780	543	477	600	26.57	cps
Barium	137-1	977	927	700	868	16.99	cps
Beryllium	9-1	1006	882	785	891	12.44	cps
Bismuth	209-1	43426366	44617281	43435766	43826471	1.56	cps
Bismuth	209-2	19219667	19209594	19403831	19277697	0.57	cps
Bromine	81-1	29648	28910	28950	29169	1.42	cps
Cadmium	108-1	143	167	150	153	7.84	cps
Cadmium	106-1	50720	51733	50198	50883	1.53	cps
Cadmium	111-1	2812	2747	2718	2759	1.75	cps
Calcium	43-1	2127	2184	2087	2132	2.28	cps
Calcium	44-1	44439	40936	38502	41292	7.23	cps
Carbon	12-1	6746840	6604150	6587912	6646301	1.32	cps
Carbon	12-2	56996	58014	57515	57508	0.88	cps
Chlorine	35-1	2594599	2412896	2315930	2441142	5.80	cps
Chlorine	35-2	11518	11568	10537	11208	5.19	cps
Chromium	52-2	2710	2724	2717	2717	0.25	cps
Cobalt	59-2	377	370	320	356	8.71	cps
Copper	63-2	29547	28953	29444	29315	1.08	cps
Dysprosium	156-1	70	53	67	63	13.93	cps
Dysprosium	156-2	23	37	20	27	33.08	cps
Erbium	164-1	510	550	493	518	5.62	cps
Erbium	164-2	197	153	173	174	12.43	cps
Gadolinium	160-1	1133	1113	1160	1136	2.06	cps
Gadolinium	160-2	1323	1257	1217	1266	4.26	cps
Holmium	165-1	70155487	68531766	67838641	68841965	1.73	cps
Holmium	165-2	27717868	27862500	27956059	27845476	0.43	cps
Indium	115-1	55507931	55256214	55682987	55482377	0.39	cps
Indium	115-2	7987217	8089782	8038107	8038369	0.64	cps
Iron	54-2	2520	2254	2337	2370	5.76	cps
Iron	56-2	29242	33679	29269	30730	8.31	cps
Iron	57-2	923	857	863	881	4.17	cps
Krypton	83-1	363	353	320	346	6.57	cps
Lead	206-1	6732	5941	5738	6137	8.55	cps

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	CCB001	Instrumnet Name :	P8
Client Sample ID :	CCB001	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:24:19	DataFile Name :	017CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	5621	5168	4711	5167	8.81	cps
Lead	208-1	26398	24103	21727	24076	9.70	cps
Lithium	6-1	26692847	27191044	26621899	26835263	1.16	cps
Magnesium	24-2	2644	2587	2570	2600	1.48	cps
Manganese	55-2	960	940	967	956	1.45	cps
Molybdenum	94-1	6028	5768	5995	5930	2.39	cps
Molybdenum	95-1	5071	4841	5454	5122	6.05	cps
Molybdenum	96-1	5768	5058	5901	5576	8.13	cps
Molybdenum	97-1	2824	2817	3027	2889	4.13	cps
Molybdenum	98-1	7592	7172	7692	7486	3.69	cps
Neodymium	150-1	37	50	27	38	30.98	cps
Neodymium	150-2	13	20	20	18	21.66	cps
Nickel	60-2	837	743	827	802	6.39	cps
Phosphorus	31-2	1717	1547	1897	1720	10.18	cps
Potassium	39-2	39484	39731	38154	39123	2.17	cps
Rhodium	103-1	52514943	52060216	52917701	52497620	0.82	cps
Rhodium	103-2	21636181	22248901	22314081	22066388	1.69	cps
Scandium	45-1	38089684	37719364	38145558	37984869	0.61	cps
Scandium	45-2	1065571	1066358	1076896	1069609	0.59	cps
Selenium	82-1	13	7	90	37	126.28	cps
Selenium	77-2	0	0	3	1	173.21	cps
Selenium	78-2	40	47	10	32	60.62	cps
Silicon	28-1	1264088	1241957	1220404	1242150	1.76	cps
Silver	107-1	2000	1674	1573	1749	12.78	cps
Silver	109-1	1463	1300	1150	1305	12.01	cps
Sodium	23-2	104743	101758	99101	101867	2.77	cps
Strontium	86-1	3587	3141	2270	2999	22.33	cps
Strontium	88-1	27252	20383	18929	22188	20.03	cps
Sulfur	34-1	962235	961886	956356	960159	0.34	cps
Terbium	159-1	71906366	72285552	70879504	71690474	1.01	cps
Terbium	159-2	28544275	28095470	28199851	28279865	0.83	cps
Thallium	203-1	5865	5308	5074	5416	7.50	cps
Thallium	205-1	14278	13037	12293	13202	7.60	cps
Tin	118-1	9764	9854	9563	9727	1.53	cps
Titanium	47-1	1377	1270	1013	1220	15.31	cps
Uranium	238-1	1420	1150	887	1152	23.14	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	CCB001	Instrumnet Name :	P8
Client Sample ID :	CCB001	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:24:19	DataFile Name :	017CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	70	70	73	71	2.70	cps
Ytterbium	172-1	433	490	447	457	6.49	cps
Ytterbium	172-2	227	213	230	223	3.95	cps
Ytterbium	176-1	19585	19708	18707	19333	2.82	cps
Ytterbium	176-2	97087	101184	99548	99273	2.08	cps
Yttrium	89-1	81963379	84160497	82531774	82885217	1.38	cps
Yttrium	89-2	8274708	8225368	8320335	8273470	0.57	cps
Zinc	66-2	3784	3991	4077	3951	3.82	cps
Zirconium	90-1	10878	10387	10971	10745	2.92	cps
Zirconium	91-1	1990	1877	2107	1991	5.78	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	PB163702BL	Instrumnet Name :	P8
Client Sample ID :	PBS702	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:28:26	DataFile Name :	018CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	430	403	400	411	4.00	cps
Antimony	121-1	1107	1640	2374	1707	37.27	cps
Arsenic	75-2	13	13	3	10	57.75	cps
Barium	135-1	257	240	217	238	8.45	cps
Barium	137-1	437	370	367	391	10.10	cps
Beryllium	9-1	611	639	559	603	6.74	cps
Bismuth	209-1	43606313	43002293	43325513	43311373	0.70	cps
Bismuth	209-2	18979681	19017743	18911204	18969543	0.28	cps
Bromine	81-1	30066	29545	29668	29760	0.92	cps
Cadmium	108-1	133	147	103	128	17.37	cps
Cadmium	106-1	49756	50546	50492	50265	0.88	cps
Cadmium	111-1	2528	2555	2556	2546	0.62	cps
Calcium	43-1	1707	1513	1533	1585	6.71	cps
Calcium	44-1	32323	31545	31361	31743	1.61	cps
Carbon	12-1	6847828	6701158	6609123	6719369	1.79	cps
Carbon	12-2	58362	57602	58014	57993	0.66	cps
Chlorine	35-1	1395214	1358725	1326062	1360000	2.54	cps
Chlorine	35-2	6782	6458	6288	6509	3.85	cps
Chromium	52-2	2854	2774	2687	2771	3.01	cps
Cobalt	59-2	247	273	357	292	19.64	cps
Copper	63-2	22889	23196	23620	23235	1.58	cps
Dysprosium	156-1	70	97	77	81	17.11	cps
Dysprosium	156-2	33	23	27	28	18.33	cps
Erbium	164-1	453	537	447	479	10.47	cps
Erbium	164-2	200	210	147	186	18.35	cps
Gadolinium	160-1	1223	1220	1263	1236	1.95	cps
Gadolinium	160-2	1290	1177	1270	1246	4.86	cps
Holmium	165-1	69663939	69431569	69351741	69482416	0.23	cps
Holmium	165-2	27310144	27396740	27127110	27277998	0.50	cps
Indium	115-1	54514316	56110614	56383515	55669482	1.81	cps
Indium	115-2	8035098	7961804	7815671	7937524	1.41	cps
Iron	54-2	1787	1663	1887	1779	6.29	cps
Iron	56-2	17968	17791	17985	17915	0.60	cps
Iron	57-2	463	543	407	471	14.57	cps
Krypton	83-1	343	337	317	332	4.18	cps
Lead	206-1	3184	3060	3160	3135	2.09	cps

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	PB163702BL	Instrumnet Name :	P8
Client Sample ID :	PBS702	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:28:26	DataFile Name :	018CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	3030	2787	2704	2840	5.98	cps
Lead	208-1	13193	12676	12419	12763	3.09	cps
Lithium	6-1	26485387	26924782	26911750	26773973	0.93	cps
Magnesium	24-2	1017	1043	1077	1046	2.88	cps
Manganese	55-2	727	663	610	667	8.76	cps
Molybdenum	94-1	2094	1927	2440	2154	12.16	cps
Molybdenum	95-1	957	1030	1207	1064	12.07	cps
Molybdenum	96-1	1357	1267	1513	1379	9.05	cps
Molybdenum	97-1	610	623	653	629	3.53	cps
Molybdenum	98-1	1520	1467	1777	1588	10.44	cps
Neodymium	150-1	70	67	30	56	39.95	cps
Neodymium	150-2	7	13	13	11	34.61	cps
Nickel	60-2	797	863	803	821	4.47	cps
Phosphorus	31-2	1683	1727	1870	1760	5.55	cps
Potassium	39-2	32136	32273	31381	31930	1.50	cps
Rhodium	103-1	53467194	53501711	52344939	53104615	1.24	cps
Rhodium	103-2	22366064	22265773	21797171	22143003	1.37	cps
Scandium	45-1	37237876	38322453	37953142	37837824	1.46	cps
Scandium	45-2	1082356	1075441	1061953	1073250	0.97	cps
Selenium	82-1	-10	10	10	3	346.41	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	23	10	37	23	57.15	cps
Silicon	28-1	1180774	1150015	1153189	1161326	1.46	cps
Silver	107-1	929	961	875	922	4.76	cps
Silver	109-1	420	420	393	411	3.75	cps
Sodium	23-2	73407	72244	72131	72594	0.97	cps
Strontium	86-1	827	833	770	810	4.30	cps
Strontium	88-1	3581	2874	2514	2989	18.16	cps
Sulfur	34-1	980391	962876	972164	971810	0.90	cps
Terbium	159-1	71656786	72596564	72015307	72089552	0.66	cps
Terbium	159-2	27419944	28245526	28102733	27922734	1.58	cps
Thallium	203-1	3104	3360	3160	3208	4.20	cps
Thallium	205-1	7922	7826	7626	7791	1.94	cps
Tin	118-1	8930	8873	9430	9078	3.38	cps
Titanium	47-1	547	550	567	554	1.93	cps
Uranium	238-1	273	223	260	252	10.27	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	PB163702BL	Instrumnet Name :	P8
Client Sample ID :	PBS702	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:28:26	DataFile Name :	018CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	30	43	27	33	26.45	cps
Ytterbium	172-1	437	487	423	449	7.44	cps
Ytterbium	172-2	197	133	183	171	19.51	cps
Ytterbium	176-1	19044	19561	18533	19046	2.70	cps
Ytterbium	176-2	98716	99357	99615	99229	0.47	cps
Yttrium	89-1	83441139	82944079	81939359	82774859	0.92	cps
Yttrium	89-2	8218909	8148961	8077715	8148528	0.87	cps
Zinc	66-2	3657	3654	3487	3599	2.70	cps
Zirconium	90-1	5911	5821	6432	6055	5.44	cps
Zirconium	91-1	980	1000	1030	1003	2.51	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	PB163702BS	Instrumnet Name :	P8
Client Sample ID :	LCS702	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:31:41	DataFile Name :	019LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	15228	15575	15705	15503	1.59	cps
Antimony	121-1	169072	168858	168728	168886	0.10	cps
Arsenic	75-2	2150	1990	2097	2079	3.92	cps
Barium	135-1	237775	231819	234527	234707	1.27	cps
Barium	137-1	412554	406447	408034	409012	0.77	cps
Beryllium	9-1	28367	28640	28570	28526	0.50	cps
Bismuth	209-1	43288934	43735504	43630526	43551655	0.54	cps
Bismuth	209-2	18937183	19077982	19056102	19023756	0.40	cps
Bromine	81-1	29635	29201	29374	29403	0.74	cps
Cadmium	108-1	2457	2284	2264	2335	4.55	cps
Cadmium	106-1	53346	53891	54517	53918	1.09	cps
Cadmium	111-1	26555	26610	26896	26687	0.69	cps
Calcium	43-1	166167	163652	162166	163995	1.23	cps
Calcium	44-1	2808611	2807751	2785819	2800727	0.46	cps
Carbon	12-1	6909146	6844491	6646059	6799899	2.02	cps
Carbon	12-2	59162	58697	59503	59120	0.68	cps
Chlorine	35-1	985978	959758	943226	962987	2.24	cps
Chlorine	35-2	4961	5044	5051	5019	1.00	cps
Chromium	52-2	59841	60805	60357	60334	0.80	cps
Cobalt	59-2	50104	49609	51496	50403	1.94	cps
Copper	63-2	101254	100841	100250	100782	0.50	cps
Dysprosium	156-1	67	97	100	88	20.91	cps
Dysprosium	156-2	30	37	23	30	22.23	cps
Erbium	164-1	560	460	510	510	9.80	cps
Erbium	164-2	173	140	187	167	14.42	cps
Gadolinium	160-1	1240	1273	1127	1213	6.34	cps
Gadolinium	160-2	1253	1293	1140	1229	6.47	cps
Holmium	165-1	70333064	70240304	69354232	69975867	0.77	cps
Holmium	165-2	27790830	27011551	27693818	27498733	1.54	cps
Indium	115-1	56702127	55360092	55217740	55759987	1.47	cps
Indium	115-2	7939380	7662103	7922902	7841462	1.98	cps
Iron	54-2	252712	246537	249338	249529	1.24	cps
Iron	56-2	4781932	4772739	4741719	4765464	0.44	cps
Iron	57-2	116034	114919	113070	114674	1.31	cps
Krypton	83-1	337	410	370	372	9.86	cps
Lead	206-1	87130	86677	87023	86943	0.27	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	PB163702BS	Instrumnet Name :	P8
Client Sample ID :	LCS702	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:31:41	DataFile Name :	019LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	74844	75388	75683	75305	0.56	cps
Lead	208-1	345175	345053	345470	345233	0.06	cps
Lithium	6-1	27116674	27292687	27300209	27236523	0.38	cps
Magnesium	24-2	1138171	1122720	1127087	1129326	0.71	cps
Manganese	55-2	14981	14778	15182	14980	1.35	cps
Molybdenum	94-1	211527	205579	204654	207253	1.80	cps
Molybdenum	95-1	249126	246971	248738	248278	0.46	cps
Molybdenum	96-1	278741	275135	276596	276824	0.66	cps
Molybdenum	97-1	155813	151240	156346	154466	1.82	cps
Molybdenum	98-1	400598	397701	399277	399192	0.36	cps
Neodymium	150-1	40	77	93	70	38.98	cps
Neodymium	150-2	23	20	27	23	14.29	cps
Nickel	60-2	14728	14714	14674	14705	0.19	cps
Phosphorus	31-2	1750	1693	1730	1725	1.67	cps
Potassium	39-2	772500	775070	765395	770988	0.65	cps
Rhodium	103-1	53341539	53095561	52921353	53119484	0.40	cps
Rhodium	103-2	21997893	21373567	22332775	21901412	2.22	cps
Scandium	45-1	38284237	38389805	37796799	38156947	0.83	cps
Scandium	45-2	1075075	1067059	1067424	1069853	0.42	cps
Selenium	82-1	7662	7299	7682	7548	2.86	cps
Selenium	77-2	223	183	193	200	10.41	cps
Selenium	78-2	837	813	757	802	5.13	cps
Silicon	28-1	1863098	1817824	1835528	1838816	1.24	cps
Silver	107-1	132533	135875	132779	133729	1.39	cps
Silver	109-1	126996	127860	127938	127598	0.41	cps
Sodium	23-2	2135702	2130705	2150331	2138913	0.48	cps
Strontium	86-1	34235	33336	33316	33629	1.56	cps
Strontium	88-1	290049	289026	290379	289818	0.24	cps
Sulfur	34-1	1022656	998973	986063	1002564	1.85	cps
Terbium	159-1	72989486	72258204	70609299	71952329	1.69	cps
Terbium	159-2	28167806	27546333	27861340	27858493	1.12	cps
Thallium	203-1	103626	102090	102813	102843	0.75	cps
Thallium	205-1	244183	246985	246488	245885	0.61	cps
Tin	118-1	10454	9854	10020	10109	3.07	cps
Titanium	47-1	77816	77705	77173	77565	0.44	cps
Uranium	238-1	332933	329606	329246	330595	0.61	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	PB163702BS	Instrumnet Name :	P8
Client Sample ID :	LCS702	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:31:41	DataFile Name :	019LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	101278	103924	103081	102761	1.32	cps
Ytterbium	172-1	430	393	467	430	8.53	cps
Ytterbium	172-2	210	223	213	216	3.22	cps
Ytterbium	176-1	20383	19885	19915	20061	1.39	cps
Ytterbium	176-2	97056	97399	98460	97638	0.75	cps
Yttrium	89-1	83444805	83204455	82353007	83000756	0.69	cps
Yttrium	89-2	8147047	8111074	8222355	8160159	0.70	cps
Zinc	66-2	22134	23403	22885	22807	2.80	cps
Zirconium	90-1	183565	182869	183164	183199	0.19	cps
Zirconium	91-1	39823	39960	40358	40047	0.69	cps

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On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	PB163702BSD	Instrumnet Name :	P8
Client Sample ID :	LCSD702	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:34:57	DataFile Name :	020LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	7829	7889	7922	7880	0.60	cps
Antimony	121-1	82782	84258	84267	83769	1.02	cps
Arsenic	75-2	1097	1023	873	998	11.41	cps
Barium	135-1	116401	116391	113107	115300	1.65	cps
Barium	137-1	202228	201311	200094	201211	0.53	cps
Beryllium	9-1	14308	14494	14542	14448	0.86	cps
Bismuth	209-1	43693213	44006409	43166011	43621878	0.97	cps
Bismuth	209-2	19247480	19305176	19049479	19200712	0.70	cps
Bromine	81-1	29465	28633	28336	28811	2.03	cps
Cadmium	108-1	1190	1137	1130	1152	2.85	cps
Cadmium	106-1	52968	51596	51128	51897	1.84	cps
Cadmium	111-1	14411	14273	14074	14253	1.19	cps
Calcium	43-1	81801	81563	82113	81826	0.34	cps
Calcium	44-1	1429440	1422818	1406606	1419622	0.83	cps
Carbon	12-1	6975816	6943216	6855146	6924726	0.90	cps
Carbon	12-2	60280	59811	59265	59785	0.85	cps
Chlorine	35-1	772594	767733	748527	762951	1.67	cps
Chlorine	35-2	4127	4261	4097	4162	2.09	cps
Chromium	52-2	31067	31568	30840	31158	1.20	cps
Cobalt	59-2	25436	25159	24458	25018	2.02	cps
Copper	63-2	59500	59333	58510	59115	0.90	cps
Dysprosium	156-1	67	90	70	76	16.70	cps
Dysprosium	156-2	30	30	20	27	21.65	cps
Erbium	164-1	440	443	473	452	4.06	cps
Erbium	164-2	200	200	213	204	3.77	cps
Gadolinium	160-1	1283	1143	1187	1205	5.95	cps
Gadolinium	160-2	1223	1233	1233	1230	0.47	cps
Holmium	165-1	70068627	70757254	70160787	70328890	0.53	cps
Holmium	165-2	27360866	27457732	27558939	27459179	0.36	cps
Indium	115-1	56781638	55250182	55163735	55731852	1.63	cps
Indium	115-2	7775744	7948067	7721068	7814960	1.52	cps
Iron	54-2	124257	123304	122617	123392	0.67	cps
Iron	56-2	2398295	2437536	2400956	2412262	0.91	cps
Iron	57-2	57382	56347	56572	56767	0.96	cps
Krypton	83-1	280	303	343	309	10.37	cps
Lead	206-1	43449	43332	43172	43318	0.32	cps

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	PB163702BSD	Instrumnet Name :	P8
Client Sample ID :	LCSD702	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:34:57	DataFile Name :	020LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	38052	37792	38009	37951	0.37	cps
Lead	208-1	173334	173094	172648	173025	0.20	cps
Lithium	6-1	27667655	27028052	27422114	27372607	1.18	cps
Magnesium	24-2	530943	535047	533257	533082	0.39	cps
Manganese	55-2	7882	7859	7999	7913	0.95	cps
Molybdenum	94-1	103068	102656	102823	102849	0.20	cps
Molybdenum	95-1	122255	124317	122965	123179	0.85	cps
Molybdenum	96-1	135416	137048	137605	136689	0.83	cps
Molybdenum	97-1	75970	76348	76771	76363	0.52	cps
Molybdenum	98-1	197257	197189	196447	196964	0.23	cps
Neodymium	150-1	67	83	63	71	15.07	cps
Neodymium	150-2	10	30	10	17	69.28	cps
Nickel	60-2	7559	7842	7772	7724	1.91	cps
Phosphorus	31-2	1637	1727	1633	1666	3.18	cps
Potassium	39-2	393128	389065	390573	390922	0.53	cps
Rhodium	103-1	53413714	53248129	52961773	53207872	0.43	cps
Rhodium	103-2	21844726	22704026	21200711	21916487	3.44	cps
Scandium	45-1	37776980	37290648	37287420	37451683	0.75	cps
Scandium	45-2	1059334	1070573	1070419	1066776	0.60	cps
Selenium	82-1	3857	3767	3827	3817	1.20	cps
Selenium	77-2	140	97	107	114	19.82	cps
Selenium	78-2	383	353	353	363	4.77	cps
Silicon	28-1	1506233	1472316	1453385	1477311	1.81	cps
Silver	107-1	66923	66594	66467	66661	0.35	cps
Silver	109-1	62960	63937	61694	62864	1.79	cps
Sodium	23-2	1057953	1096151	1073073	1075726	1.79	cps
Strontium	86-1	17084	16757	16944	16928	0.97	cps
Strontium	88-1	144724	142705	142320	143250	0.90	cps
Sulfur	34-1	1013273	985532	1009856	1002887	1.51	cps
Terbium	159-1	71897262	71176271	70908429	71327321	0.72	cps
Terbium	159-2	27708290	27567355	27636609	27637418	0.25	cps
Thallium	203-1	52080	53014	52231	52442	0.96	cps
Thallium	205-1	125133	125551	123770	124818	0.75	cps
Tin	118-1	9994	9237	9373	9535	4.23	cps
Titanium	47-1	38107	39020	38986	38704	1.34	cps
Uranium	238-1	163558	163197	162405	163053	0.36	cps

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LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	PB163702BSD	Instrumnet Name :	P8
Client Sample ID :	LCSD702	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:34:57	DataFile Name :	020LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	50763	50382	50556	50567	0.38	cps
Ytterbium	172-1	447	443	407	432	5.13	cps
Ytterbium	172-2	177	183	223	194	12.98	cps
Ytterbium	176-1	19875	19505	19321	19567	1.44	cps
Ytterbium	176-2	95868	98228	98984	97694	1.66	cps
Yttrium	89-1	81939707	82956004	81177242	82024318	1.09	cps
Yttrium	89-2	8172915	8193107	8166540	8177521	0.17	cps
Zinc	66-2	12989	13163	12853	13002	1.20	cps
Zirconium	90-1	92175	92718	92541	92478	0.30	cps
Zirconium	91-1	20422	20335	20208	20322	0.53	cps

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LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-06	Instrumnet Name :	P8
Client Sample ID :	MYD4P3	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:38:52	DataFile Name :	021AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	11455750	11311183	11357682	11374872	0.65	cps
Antimony	121-1	5148	5101	5234	5161	1.31	cps
Arsenic	75-2	54542	53461	54542	54182	1.15	cps
Barium	135-1	3503146	3535935	3541187	3526756	0.58	cps
Barium	137-1	6017919	6003514	6197499	6072977	1.78	cps
Beryllium	9-1	17462	17611	17546	17539	0.43	cps
Bismuth	209-1	41746074	42272102	40443855	41487344	2.27	cps
Bismuth	209-2	17976450	18081197	18151941	18069863	0.49	cps
Bromine	81-1	30380	29525	30520	30142	1.79	cps
Cadmium	108-1	1750	1953	1893	1866	5.60	cps
Cadmium	106-1	56816	54812	55591	55740	1.81	cps
Cadmium	111-1	7367	7051	6702	7040	4.73	cps
Calcium	43-1	2393741	2333914	2355063	2360906	1.29	cps
Calcium	44-1	37877640	38196885	37670495	37915007	0.70	cps
Carbon	12-1	13296743	13516203	13371698	13394881	0.83	cps
Carbon	12-2	119752	118794	119091	119212	0.41	cps
Chlorine	35-1	3175522	3304879	3300920	3260440	2.26	cps
Chlorine	35-2	18699	18352	18222	18424	1.34	cps
Chromium	52-2	528892	519567	518687	522382	1.08	cps
Cobalt	59-2	901081	886783	898572	895478	0.85	cps
Copper	63-2	1602570	1591470	1593694	1595911	0.37	cps
Dysprosium	156-1	468117	458560	454741	460473	1.50	cps
Dysprosium	156-2	175084	175101	173133	174439	0.65	cps
Erbium	164-1	353829	354553	348441	352274	0.95	cps
Erbium	164-2	134660	132251	133209	133373	0.91	cps
Gadolinium	160-1	387624	383127	379213	383321	1.10	cps
Gadolinium	160-2	170735	170465	168078	169759	0.86	cps
Holmium	165-1	70957351	70400999	69038862	70132404	1.41	cps
Holmium	165-2	27130858	26566385	27133630	26943624	1.21	cps
Indium	115-1	55331261	54554872	52891360	54259164	2.30	cps
Indium	115-2	7398207	7489838	7470950	7452998	0.65	cps
Iron	54-2	49322526	48791868	48886903	49000432	0.58	cps
Iron	56-2	911205346	895446067	903331987	903327800	0.87	cps
Iron	57-2	22609051	22205981	22174537	22329856	1.09	cps
Krypton	83-1	913	963	880	919	4.56	cps
Lead	206-1	1595166	1588050	1584374	1589197	0.35	cps

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-06	Instrumnet Name :	P8
Client Sample ID :	MYD4P3	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:38:52	DataFile Name :	021AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1378670	1382595	1378814	1380026	0.16	cps
Lead	208-1	6391264	6460860	6365501	6405875	0.77	cps
Lithium	6-1	27023722	26417455	25539000	26326726	2.84	cps
Magnesium	24-2	13779285	13827867	13821800	13809651	0.19	cps
Manganese	55-2	11213312	11090508	10977262	11093694	1.06	cps
Molybdenum	94-1	296717	295679	293552	295316	0.55	cps
Molybdenum	95-1	19283	18956	18813	19018	1.27	cps
Molybdenum	96-1	73838	74063	74699	74200	0.60	cps
Molybdenum	97-1	11815	11488	11815	11706	1.61	cps
Molybdenum	98-1	29782	29445	29244	29490	0.92	cps
Neodymium	150-1	644146	638108	645256	642503	0.60	cps
Neodymium	150-2	194293	195376	189422	193030	1.64	cps
Nickel	60-2	241378	238368	237037	238928	0.93	cps
Phosphorus	31-2	39500	38247	37742	38497	2.35	cps
Potassium	39-2	4562335	4388795	4463246	4471459	1.95	cps
Rhodium	103-1	51668029	50050174	49784204	50500803	2.02	cps
Rhodium	103-2	20519483	20519641	20896389	20645171	1.05	cps
Scandium	45-1	38983686	38259171	37787380	38343412	1.57	cps
Scandium	45-2	1081877	1075135	1071051	1076021	0.51	cps
Selenium	82-1	827	917	780	841	8.26	cps
Selenium	77-2	833	907	880	873	4.25	cps
Selenium	78-2	737	730	693	720	3.24	cps
Silicon	28-1	78692637	78268992	77175194	78045608	1.00	cps
Silver	107-1	11652	11453	11814	11640	1.55	cps
Silver	109-1	5518	5228	5191	5312	3.37	cps
Sodium	23-2	290435	288441	287655	288844	0.50	cps
Strontium	86-1	993029	994654	997347	995010	0.22	cps
Strontium	88-1	9200245	9182406	9224108	9202253	0.23	cps
Sulfur	34-1	962878	923175	917239	934431	2.66	cps
Terbium	159-1	72302211	71050442	69681911	71011521	1.85	cps
Terbium	159-2	27313007	27038859	27421257	27257708	0.72	cps
Thallium	203-1	12810	12840	12700	12783	0.58	cps
Thallium	205-1	31344	31274	31081	31233	0.44	cps
Tin	118-1	30190	29732	30551	30158	1.36	cps
Titanium	47-1	3187565	3142362	3141776	3157234	0.83	cps
Uranium	238-1	143072	142768	140750	142197	0.89	cps

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LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-06	Instrumnet Name :	P8
Client Sample ID :	MYD4P3	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:38:52	DataFile Name :	021AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1522728	1543981	1486514	1517741	1.91	cps
Ytterbium	172-1	106632	107119	106584	106778	0.28	cps
Ytterbium	172-2	48418	48552	49114	48695	0.76	cps
Ytterbium	176-1	86967	87024	87866	87286	0.58	cps
Ytterbium	176-2	127115	126280	128864	127420	1.04	cps
Yttrium	89-1	87212665	85619219	85671879	86167921	1.05	cps
Yttrium	89-2	8470136	8475147	8434446	8459910	0.26	cps
Zinc	66-2	333759	332227	331582	332523	0.34	cps
Zirconium	90-1	803394	800952	794598	799648	0.57	cps
Zirconium	91-1	176617	177431	175199	176416	0.64	cps

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LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-07	Instrumnet Name :	P8
Client Sample ID :	MYD4P4	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:41:56	DataFile Name :	022AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	12742823	12140344	12283122	12388763	2.54	cps
Antimony	121-1	71908	74019	73915	73280	1.62	cps
Arsenic	75-2	91431	91176	88874	90494	1.56	cps
Barium	135-1	3218880	3166444	3220422	3201915	0.96	cps
Barium	137-1	5506425	5430792	5437701	5458306	0.77	cps
Beryllium	9-1	18554	18522	18529	18535	0.09	cps
Bismuth	209-1	42445989	40332490	41811709	41530063	2.61	cps
Bismuth	209-2	16651490	18168026	18187165	17668893	4.99	cps
Bromine	81-1	32544	34065	34272	33627	2.81	cps
Cadmium	108-1	2064	2214	2210	2162	3.96	cps
Cadmium	106-1	54176	54912	55203	54764	0.97	cps
Cadmium	111-1	17047	17089	16892	17009	0.61	cps
Calcium	43-1	1864830	1835524	1825132	1841828	1.12	cps
Calcium	44-1	30250295	29580760	30243326	30024794	1.28	cps
Carbon	12-1	11733169	12067196	11981364	11927243	1.45	cps
Carbon	12-2	106938	105495	106039	106157	0.69	cps
Chlorine	35-1	285190656	293896709	303094062	294060476	3.04	cps
Chlorine	35-2	1842367	1838642	1838813	1839941	0.11	cps
Chromium	52-2	603500	594442	587787	595243	1.33	cps
Cobalt	59-2	765315	748464	746094	753291	1.39	cps
Copper	63-2	2585520	2533532	2509293	2542782	1.53	cps
Dysprosium	156-1	465437	468811	470286	468178	0.53	cps
Dysprosium	156-2	181837	177378	177361	178859	1.44	cps
Erbium	164-1	350066	349953	353930	351316	0.64	cps
Erbium	164-2	137141	133523	134269	134978	1.42	cps
Gadolinium	160-1	386750	384769	387632	386383	0.38	cps
Gadolinium	160-2	174855	171670	173105	173210	0.92	cps
Holmium	165-1	70804394	68495819	70787086	70029100	1.90	cps
Holmium	165-2	24668834	27653106	27137785	26486575	6.02	cps
Indium	115-1	54238602	53330437	53140387	53569809	1.10	cps
Indium	115-2	6880820	7501364	7663628	7348604	5.62	cps
Iron	54-2	50274788	49062453	48664388	49333876	1.70	cps
Iron	56-2	924800146	890621667	896287373	903903062	2.03	cps
Iron	57-2	22969120	22568450	22475531	22671034	1.16	cps
Krypton	83-1	963	947	913	941	2.71	cps
Lead	206-1	2756093	2686334	2808521	2750316	2.23	cps

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-07	Instrumnet Name :	P8
Client Sample ID :	MYD4P4	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:41:56	DataFile Name :	022AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	2416660	2408737	2462238	2429212	1.19	cps
Lead	208-1	10900994	10843189	11085471	10943218	1.16	cps
Lithium	6-1	27161945	27309411	27554535	27341964	0.73	cps
Magnesium	24-2	12383401	12018082	11971769	12124417	1.86	cps
Manganese	55-2	10980722	10715097	10751814	10815878	1.33	cps
Molybdenum	94-1	206597	207769	209705	208024	0.75	cps
Molybdenum	95-1	40857	41402	40917	41058	0.73	cps
Molybdenum	96-1	81286	81283	81588	81385	0.22	cps
Molybdenum	97-1	25140	24906	25136	25061	0.53	cps
Molybdenum	98-1	66230	64914	64599	65248	1.33	cps
Neodymium	150-1	654178	665722	664165	661355	0.95	cps
Neodymium	150-2	204884	196805	198223	199971	2.16	cps
Nickel	60-2	244692	240483	238581	241252	1.30	cps
Phosphorus	31-2	39922	39113	38902	39312	1.37	cps
Potassium	39-2	5769452	5709814	5701068	5726778	0.65	cps
Rhodium	103-1	50856994	50547194	50132279	50512156	0.72	cps
Rhodium	103-2	18824442	21041102	21177028	20347524	6.49	cps
Scandium	45-1	39485354	39041334	39709419	39412036	0.86	cps
Scandium	45-2	986495	1103181	1106550	1065408	6.42	cps
Selenium	82-1	990	1213	1087	1097	10.21	cps
Selenium	77-2	923	903	913	913	1.09	cps
Selenium	78-2	693	650	787	710	9.84	cps
Silicon	28-1	146059644	147849638	147488454	147132579	0.64	cps
Silver	107-1	30408	30165	29738	30104	1.13	cps
Silver	109-1	23076	23263	23861	23400	1.75	cps
Sodium	23-2	447420	436906	441028	441785	1.20	cps
Strontium	86-1	1085503	1085617	1087540	1086220	0.11	cps
Strontium	88-1	10181828	9897404	9998832	10026022	1.44	cps
Sulfur	34-1	823872	822232	828201	824769	0.37	cps
Terbium	159-1	72151306	70972046	70515974	71213108	1.19	cps
Terbium	159-2	25485596	27460365	27484142	26810034	4.28	cps
Thallium	203-1	24340	21952	21708	22667	6.41	cps
Thallium	205-1	57697	52238	51923	53953	6.02	cps
Tin	118-1	81980	81675	82909	82188	0.78	cps
Titanium	47-1	13262604	13134060	13319016	13238560	0.72	cps
Uranium	238-1	204986	205270	206495	205583	0.39	cps

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LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-07	Instrumnet Name :	P8
Client Sample ID :	MYD4P4	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:41:56	DataFile Name :	022AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1615508	1563471	1559005	1579328	1.99	cps
Ytterbium	172-1	109935	111189	113359	111494	1.55	cps
Ytterbium	172-2	51550	49659	49827	50345	2.08	cps
Ytterbium	176-1	88047	88034	87994	88025	0.03	cps
Ytterbium	176-2	117796	128538	128151	124828	4.88	cps
Yttrium	89-1	87756985	86026029	86500412	86761142	1.03	cps
Yttrium	89-2	7752628	8448962	8626479	8276023	5.58	cps
Zinc	66-2	532047	526109	523592	527250	0.82	cps
Zirconium	90-1	511847	520868	518055	516924	0.89	cps
Zirconium	91-1	113867	114202	114327	114132	0.21	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-08	Instrumnet Name :	P8
Client Sample ID :	MYD4P5	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:44:59	DataFile Name :	023AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	16086367	16263377	15836241	16061995	1.34	cps
Antimony	121-1	57658	58632	59368	58552	1.47	cps
Arsenic	75-2	67601	66834	66761	67065	0.69	cps
Barium	135-1	4109918	4089033	4080858	4093270	0.37	cps
Barium	137-1	7218000	7098049	7123289	7146446	0.88	cps
Beryllium	9-1	20442	20618	20432	20497	0.51	cps
Bismuth	209-1	41778068	41837547	42141426	41919014	0.46	cps
Bismuth	209-2	18307010	18183676	17879273	18123320	1.21	cps
Bromine	81-1	33480	33707	33975	33721	0.73	cps
Cadmium	108-1	2210	2300	2294	2268	2.21	cps
Cadmium	106-1	59153	57536	58329	58340	1.39	cps
Cadmium	111-1	7205	6875	7019	7033	2.36	cps
Calcium	43-1	2991712	2971751	3026353	2996605	0.92	cps
Calcium	44-1	48334133	47761818	49219434	48438462	1.52	cps
Carbon	12-1	10128041	10184362	10122846	10145083	0.34	cps
Carbon	12-2	88632	88440	87495	88189	0.69	cps
Chlorine	35-1	286103829	288644609	290576989	288441809	0.78	cps
Chlorine	35-2	1752698	1761157	1718946	1744267	1.28	cps
Chromium	52-2	702776	698993	696671	699480	0.44	cps
Cobalt	59-2	1097110	1096003	1091683	1094932	0.26	cps
Copper	63-2	1722314	1656454	1691017	1689928	1.95	cps
Dysprosium	156-1	586663	579851	575676	580730	0.95	cps
Dysprosium	156-2	214847	212352	211478	212892	0.82	cps
Erbium	164-1	424146	427966	422380	424831	0.67	cps
Erbium	164-2	159173	155612	157102	157296	1.14	cps
Gadolinium	160-1	466081	468471	464584	466379	0.42	cps
Gadolinium	160-2	207012	205848	204342	205734	0.65	cps
Holmium	165-1	70944254	71229172	71980459	71384628	0.75	cps
Holmium	165-2	27456235	27609809	27401005	27489017	0.39	cps
Indium	115-1	56057896	55629209	55467468	55718191	0.55	cps
Indium	115-2	7705564	7575795	7536677	7606012	1.16	cps
Iron	54-2	63297521	61854444	61935994	62362653	1.30	cps
Iron	56-2	1125302517	1152735796	1130006463	1136014925	1.29	cps
Iron	57-2	28463485	29077123	28725725	28755444	1.07	cps
Krypton	83-1	1113	1223	1253	1197	6.16	cps
Lead	206-1	1385834	1370840	1383471	1380048	0.58	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-08	Instrumnet Name :	P8
Client Sample ID :	MYD4P5	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:44:59	DataFile Name :	023AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1171926	1165848	1169725	1169166	0.26	cps
Lead	208-1	5463244	5422529	5498396	5461390	0.70	cps
Lithium	6-1	28052941	28295998	28420574	28256504	0.66	cps
Magnesium	24-2	18049228	17853193	17765244	17889222	0.81	cps
Manganese	55-2	13573504	13552886	13554530	13560307	0.08	cps
Molybdenum	94-1	395558	399241	392449	395749	0.86	cps
Molybdenum	95-1	43755	44046	42779	43527	1.53	cps
Molybdenum	96-1	117260	117727	117812	117599	0.25	cps
Molybdenum	97-1	27340	26990	26783	27038	1.04	cps
Molybdenum	98-1	68548	69912	69881	69447	1.12	cps
Neodymium	150-1	795777	803283	803364	800808	0.54	cps
Neodymium	150-2	235534	237135	235601	236090	0.38	cps
Nickel	60-2	299001	298937	296665	298201	0.45	cps
Phosphorus	31-2	43759	43341	43231	43444	0.64	cps
Potassium	39-2	4852559	4894417	4791350	4846108	1.07	cps
Rhodium	103-1	52005229	51616723	51286536	51636163	0.70	cps
Rhodium	103-2	21188388	20920701	21134899	21081329	0.67	cps
Scandium	45-1	40225417	39790342	40392949	40136236	0.77	cps
Scandium	45-2	1122097	1109640	1116028	1115922	0.56	cps
Selenium	82-1	887	810	777	825	6.84	cps
Selenium	77-2	1070	1037	983	1030	4.24	cps
Selenium	78-2	850	960	937	916	6.33	cps
Silicon	28-1	161029068	162435504	157384234	160282935	1.63	cps
Silver	107-1	15056	14930	14783	14923	0.91	cps
Silver	109-1	6578	6485	6538	6534	0.72	cps
Sodium	23-2	488952	489965	487325	488747	0.27	cps
Strontium	86-1	1551712	1524194	1536982	1537629	0.90	cps
Strontium	88-1	13386289	13228140	12988089	13200839	1.52	cps
Sulfur	34-1	834120	911478	897032	880877	4.67	cps
Terbium	159-1	75481674	73083416	72973842	73846311	1.92	cps
Terbium	159-2	27698891	27830062	27628599	27719184	0.37	cps
Thallium	203-1	16758	17125	17131	17005	1.26	cps
Thallium	205-1	40276	40239	41653	40723	1.98	cps
Tin	118-1	78182	79124	78909	78738	0.63	cps
Titanium	47-1	13602697	13675749	13713441	13663962	0.41	cps
Uranium	238-1	177589	179941	179317	178949	0.68	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-08	Instrumnet Name :	P8
Client Sample ID :	MYD4P5	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:44:59	DataFile Name :	023AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	2025421	2041298	1996933	2021217	1.11	cps
Ytterbium	172-1	129614	129819	132439	130624	1.21	cps
Ytterbium	172-2	57892	58746	58633	58424	0.79	cps
Ytterbium	176-1	102121	102628	102195	102315	0.27	cps
Ytterbium	176-2	132517	132830	130908	132085	0.78	cps
Yttrium	89-1	90416499	90711419	88233505	89787141	1.51	cps
Yttrium	89-2	8753174	8626429	8660354	8679986	0.76	cps
Zinc	66-2	376710	376314	374648	375890	0.29	cps
Zirconium	90-1	1052745	1034416	1030481	1039214	1.14	cps
Zirconium	91-1	226046	232473	229989	229502	1.41	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-09	Instrumnet Name :	P8
Client Sample ID :	MYD4P6	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:48:04	DataFile Name :	024AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	15067325	14904465	15032824	15001538	0.57	cps
Antimony	121-1	87769	88159	86917	87615	0.72	cps
Arsenic	75-2	137187	134744	135663	135864	0.91	cps
Barium	135-1	3843721	3836246	3774344	3818104	1.00	cps
Barium	137-1	6470760	6622738	6570018	6554505	1.18	cps
Beryllium	9-1	18770	19150	18886	18935	1.03	cps
Bismuth	209-1	42509233	42288884	42384359	42394159	0.26	cps
Bismuth	209-2	18448045	18291320	18477258	18405541	0.54	cps
Bromine	81-1	36862	36768	36026	36552	1.25	cps
Cadmium	108-1	3621	3807	3611	3679	3.01	cps
Cadmium	106-1	60987	59582	57827	59465	2.66	cps
Cadmium	111-1	33698	34486	33200	33795	1.92	cps
Calcium	43-1	2951189	2943870	2971807	2955622	0.49	cps
Calcium	44-1	47877894	47519666	47515676	47637745	0.44	cps
Carbon	12-1	17785227	18112571	18108401	18002066	1.04	cps
Carbon	12-2	155287	157843	155735	156288	0.87	cps
Chlorine	35-1	279222789	284192316	289167642	284194249	1.75	cps
Chlorine	35-2	1703363	1687202	1705737	1698767	0.59	cps
Chromium	52-2	557694	560064	558004	558587	0.23	cps
Cobalt	59-2	799200	797248	798604	798351	0.13	cps
Copper	63-2	4966686	4862258	4999160	4942701	1.45	cps
Dysprosium	156-1	501611	501978	500377	501322	0.17	cps
Dysprosium	156-2	191522	189239	189572	190111	0.65	cps
Erbium	164-1	394925	390189	393314	392809	0.61	cps
Erbium	164-2	146784	145192	147915	146630	0.93	cps
Gadolinium	160-1	430840	430178	426586	429201	0.53	cps
Gadolinium	160-2	188476	187452	187550	187826	0.30	cps
Holmium	165-1	71801637	71490757	71062132	71451509	0.52	cps
Holmium	165-2	27359353	27494638	27802245	27552079	0.82	cps
Indium	115-1	56307637	56155093	54703420	55722050	1.59	cps
Indium	115-2	7763792	7630566	7576158	7656839	1.26	cps
Iron	54-2	48294869	48944354	48324161	48521128	0.76	cps
Iron	56-2	892539720	890949080	900553373	894680724	0.58	cps
Iron	57-2	22903720	22484721	22330184	22572875	1.31	cps
Krypton	83-1	1083	1083	1173	1113	4.67	cps
Lead	206-1	5281562	5210505	5213790	5235286	0.77	cps

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-09	Instrumnet Name :	P8
Client Sample ID :	MYD4P6	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:48:04	DataFile Name :	024AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	4704829	4706366	4730116	4713770	0.30	cps
Lead	208-1	21003326	20855018	20849885	20902743	0.42	cps
Lithium	6-1	28189536	27882281	27408456	27826758	1.41	cps
Magnesium	24-2	16331688	16052049	16085949	16156562	0.94	cps
Manganese	55-2	12687968	12861691	12791497	12780385	0.68	cps
Molybdenum	94-1	304094	305125	302843	304020	0.38	cps
Molybdenum	95-1	33474	34095	33871	33813	0.93	cps
Molybdenum	96-1	87983	88825	89834	88881	1.04	cps
Molybdenum	97-1	20352	21203	20826	20793	2.05	cps
Molybdenum	98-1	53221	54517	53580	53773	1.24	cps
Neodymium	150-1	706458	707245	708774	707492	0.17	cps
Neodymium	150-2	211422	209680	209850	210317	0.46	cps
Nickel	60-2	264693	259925	263856	262825	0.97	cps
Phosphorus	31-2	45468	43876	43943	44429	2.03	cps
Potassium	39-2	6577833	6541739	6440343	6519972	1.09	cps
Rhodium	103-1	53074843	52765671	50852443	52230985	2.30	cps
Rhodium	103-2	21415575	21300249	21024457	21246760	0.95	cps
Scandium	45-1	40345527	40637226	39586332	40189695	1.35	cps
Scandium	45-2	1096614	1093931	1102813	1097786	0.41	cps
Selenium	82-1	1217	1180	1160	1186	2.42	cps
Selenium	77-2	977	960	1060	999	5.36	cps
Selenium	78-2	807	887	830	841	4.89	cps
Silicon	28-1	173039711	172626737	170020257	171895569	0.95	cps
Silver	107-1	61632	61923	62045	61866	0.34	cps
Silver	109-1	53601	53681	54029	53770	0.42	cps
Sodium	23-2	446156	445622	449207	446995	0.43	cps
Strontium	86-1	1136041	1155232	1137904	1143059	0.93	cps
Strontium	88-1	10433562	10507822	10536708	10492697	0.51	cps
Sulfur	34-1	958747	951451	961129	957109	0.53	cps
Terbium	159-1	73856222	74550557	72844361	73750380	1.16	cps
Terbium	159-2	27689511	27579199	27684659	27651123	0.23	cps
Thallium	203-1	20202	20773	20850	20609	1.72	cps
Thallium	205-1	48741	49450	48658	48950	0.89	cps
Tin	118-1	98492	98330	98413	98412	0.08	cps
Titanium	47-1	10473610	10552638	10493112	10506454	0.39	cps
Uranium	238-1	158665	157142	158242	158016	0.50	cps

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-09	Instrumnet Name :	P8
Client Sample ID :	MYD4P6	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:48:04	DataFile Name :	024AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1230845	1219344	1288843	1246344	2.99	cps
Ytterbium	172-1	121323	121663	119140	120709	1.13	cps
Ytterbium	172-2	54378	54622	54385	54462	0.26	cps
Ytterbium	176-1	96093	94183	96180	95485	1.18	cps
Ytterbium	176-2	129554	128586	130537	129559	0.75	cps
Yttrium	89-1	89567249	89718902	89384125	89556759	0.19	cps
Yttrium	89-2	8676834	8520708	8498718	8565420	1.13	cps
Zinc	66-2	799318	792269	795447	795678	0.44	cps
Zirconium	90-1	780876	795540	799854	792090	1.26	cps
Zirconium	91-1	176736	177971	175902	176869	0.59	cps

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LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-10	Instrumnet Name :	P8
Client Sample ID :	MYD4P7	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:51:06	DataFile Name :	025AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	10521231	10478714	10457045	10485663	0.31	cps
Antimony	121-1	187059	190257	191503	189606	1.21	cps
Arsenic	75-2	202977	200110	201581	201556	0.71	cps
Barium	135-1	3319647	3338327	3277913	3311962	0.93	cps
Barium	137-1	5644797	5735226	5638739	5672921	0.95	cps
Beryllium	9-1	16754	16920	16755	16810	0.57	cps
Bismuth	209-1	42519576	42939039	41923755	42460790	1.20	cps
Bismuth	209-2	18471896	18544473	18196548	18404306	1.00	cps
Bromine	81-1	33156	35218	34890	34421	3.22	cps
Cadmium	108-1	3074	2997	3144	3071	2.39	cps
Cadmium	106-1	56890	57098	56405	56798	0.63	cps
Cadmium	111-1	25001	24731	24731	24821	0.63	cps
Calcium	43-1	1836292	1877527	1864425	1859415	1.13	cps
Calcium	44-1	29899584	30129211	29560976	29863257	0.96	cps
Carbon	12-1	15033319	15534707	15441764	15336597	1.74	cps
Carbon	12-2	134824	131936	133009	133256	1.10	cps
Chlorine	35-1	249156303	251186583	253841963	251394950	0.93	cps
Chlorine	35-2	1500046	1479213	1474248	1484502	0.92	cps
Chromium	52-2	488986	483493	483460	485313	0.66	cps
Cobalt	59-2	706934	702100	701122	703385	0.44	cps
Copper	63-2	2862938	2858768	2877777	2866494	0.35	cps
Dysprosium	156-1	376213	375792	386015	379340	1.52	cps
Dysprosium	156-2	143302	140873	143974	142717	1.14	cps
Erbium	164-1	304629	306515	310293	307146	0.94	cps
Erbium	164-2	115550	115399	113704	114884	0.89	cps
Gadolinium	160-1	321113	320625	325339	322359	0.80	cps
Gadolinium	160-2	142078	139353	139730	140387	1.05	cps
Holmium	165-1	71034769	72206249	72199211	71813409	0.94	cps
Holmium	165-2	27767316	27592132	27176871	27512107	1.10	cps
Indium	115-1	54628629	55399112	54768017	54931919	0.75	cps
Indium	115-2	7641162	7479060	7481938	7534053	1.23	cps
Iron	54-2	51634683	52307619	51994386	51978896	0.65	cps
Iron	56-2	959720359	956177132	940961826	952286439	1.05	cps
Iron	57-2	24136019	23938323	23728750	23934364	0.85	cps
Krypton	83-1	973	810	1027	937	12.05	cps
Lead	206-1	6265613	6283948	6149937	6233166	1.17	cps

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LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-10	Instrumnet Name :	P8
Client Sample ID :	MYD4P7	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:51:06	DataFile Name :	025AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	5761598	5707076	5759128	5742601	0.54	cps
Lead	208-1	25735795	25694608	25388230	25606211	0.74	cps
Lithium	6-1	27954439	28293954	27721752	27990048	1.03	cps
Magnesium	24-2	10144740	10080662	10057441	10094281	0.45	cps
Manganese	55-2	8908683	8664513	8739131	8770776	1.43	cps
Molybdenum	94-1	273915	275267	276039	275074	0.39	cps
Molybdenum	95-1	39670	39162	40128	39653	1.22	cps
Molybdenum	96-1	92576	91136	92797	92170	0.98	cps
Molybdenum	97-1	24355	25160	24705	24740	1.63	cps
Molybdenum	98-1	63538	63588	63812	63646	0.23	cps
Neodymium	150-1	535414	539330	537675	537473	0.37	cps
Neodymium	150-2	157560	157199	154755	156505	0.98	cps
Nickel	60-2	184101	181940	184396	183479	0.73	cps
Phosphorus	31-2	38040	37044	37264	37449	1.40	cps
Potassium	39-2	4291334	4257257	4295584	4281392	0.49	cps
Rhodium	103-1	52178936	52570676	51708294	52152635	0.83	cps
Rhodium	103-2	21445872	20827218	20858495	21043861	1.66	cps
Scandium	45-1	39820308	39781487	39685417	39762404	0.17	cps
Scandium	45-2	1091128	1077247	1086045	1084807	0.65	cps
Selenium	82-1	1317	1460	1167	1315	11.16	cps
Selenium	77-2	753	790	777	773	2.40	cps
Selenium	78-2	693	727	757	726	4.37	cps
Silicon	28-1	119746628	120646755	121549858	120647747	0.75	cps
Silver	107-1	51384	53153	53372	52636	2.07	cps
Silver	109-1	44331	44348	45341	44673	1.29	cps
Sodium	23-2	403926	398096	398713	400245	0.80	cps
Strontium	86-1	1038096	1053886	1058794	1050259	1.03	cps
Strontium	88-1	9550869	9596610	9707699	9618393	0.84	cps
Sulfur	34-1	941722	926749	918872	929114	1.25	cps
Terbium	159-1	74998096	74658742	74781064	74812634	0.23	cps
Terbium	159-2	27404269	27515913	27619492	27513225	0.39	cps
Thallium	203-1	16501	16798	16854	16718	1.14	cps
Thallium	205-1	40734	40473	39827	40345	1.16	cps
Tin	118-1	91779	91100	92184	91688	0.60	cps
Titanium	47-1	14601351	14696224	14507094	14601556	0.65	cps
Uranium	238-1	170144	171907	171166	171072	0.52	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-10	Instrumnet Name :	P8
Client Sample ID :	MYD4P7	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:51:06	DataFile Name :	025AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1718221	1735716	1718073	1724003	0.59	cps
Ytterbium	172-1	96213	96895	98977	97362	1.48	cps
Ytterbium	172-2	43020	43725	42899	43215	1.03	cps
Ytterbium	176-1	79350	79812	81570	80244	1.46	cps
Ytterbium	176-2	120265	121637	122131	121345	0.80	cps
Yttrium	89-1	87856669	88743835	88328149	88309551	0.50	cps
Yttrium	89-2	8402535	8482737	8431600	8438957	0.48	cps
Zinc	66-2	836420	833046	830489	833319	0.36	cps
Zirconium	90-1	697557	704312	706809	702893	0.68	cps
Zirconium	91-1	154328	158280	157519	156709	1.34	cps

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-11	Instrumnet Name :	P8
Client Sample ID :	MYD4P8	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:54:10	DataFile Name :	026AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	18760235	19174203	19045024	18993154	1.12	cps
Antimony	121-1	119678	119786	120737	120067	0.49	cps
Arsenic	75-2	190078	190500	189756	190111	0.20	cps
Barium	135-1	5472056	5474548	5399452	5448686	0.78	cps
Barium	137-1	9513167	9233796	9339519	9362160	1.51	cps
Beryllium	9-1	21915	21878	21642	21812	0.68	cps
Bismuth	209-1	41359194	41754203	41661412	41591603	0.50	cps
Bismuth	209-2	17821243	17590777	17877479	17763167	0.86	cps
Bromine	81-1	39138	39165	39606	39303	0.67	cps
Cadmium	108-1	3707	3781	3631	3706	2.02	cps
Cadmium	106-1	58594	57539	57486	57873	1.08	cps
Cadmium	111-1	30037	30577	30259	30291	0.90	cps
Calcium	43-1	3627411	3604126	3619617	3617051	0.33	cps
Calcium	44-1	58404426	57320947	58284277	58003217	1.02	cps
Carbon	12-1	26637160	26957735	27273839	26956245	1.18	cps
Carbon	12-2	233913	233687	232259	233286	0.38	cps
Chlorine	35-1	290705656	299279362	295372409	295119142	1.45	cps
Chlorine	35-2	1753509	1766063	1735413	1751662	0.88	cps
Chromium	52-2	679859	689830	682347	684012	0.76	cps
Cobalt	59-2	1045396	1035740	1033446	1038194	0.61	cps
Copper	63-2	4004948	3997997	3875639	3959528	1.84	cps
Dysprosium	156-1	503647	502818	506385	504283	0.37	cps
Dysprosium	156-2	189373	190732	187128	189078	0.96	cps
Erbium	164-1	408380	413439	412125	411315	0.64	cps
Erbium	164-2	153140	153481	155932	154184	0.99	cps
Gadolinium	160-1	433693	438150	433868	435237	0.58	cps
Gadolinium	160-2	188199	189230	189250	188893	0.32	cps
Holmium	165-1	70012172	71491984	70639101	70714419	1.05	cps
Holmium	165-2	26970193	26952829	26991102	26971375	0.07	cps
Indium	115-1	54099634	54844386	54188124	54377381	0.75	cps
Indium	115-2	7473054	7411755	7545300	7476703	0.89	cps
Iron	54-2	69641721	69029002	68443971	69038231	0.87	cps
Iron	56-2	1265163368	1271771074	1269554834	1268829759	0.27	cps
Iron	57-2	31632527	31987935	31873836	31831433	0.57	cps
Krypton	83-1	1077	1300	1077	1151	11.20	cps
Lead	206-1	7019257	7029585	7061435	7036759	0.31	cps

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-11	Instrumnet Name :	P8
Client Sample ID :	MYD4P8	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:54:10	DataFile Name :	026AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	6429899	6428673	6498991	6452521	0.62	cps
Lead	208-1	28630839	28581151	28541998	28584663	0.16	cps
Lithium	6-1	27154881	27421749	27876679	27484436	1.33	cps
Magnesium	24-2	18099288	18234341	18214332	18182653	0.40	cps
Manganese	55-2	16259846	16295725	16267556	16274375	0.12	cps
Molybdenum	94-1	324431	325112	327209	325584	0.44	cps
Molybdenum	95-1	62436	62617	61873	62309	0.62	cps
Molybdenum	96-1	125451	123850	125158	124820	0.68	cps
Molybdenum	97-1	38821	38446	38273	38513	0.73	cps
Molybdenum	98-1	98802	99916	98399	99039	0.79	cps
Neodymium	150-1	702321	697207	697792	699107	0.40	cps
Neodymium	150-2	202901	205172	205439	204504	0.68	cps
Nickel	60-2	302700	301475	299787	301321	0.49	cps
Phosphorus	31-2	44541	43910	43779	44077	0.93	cps
Potassium	39-2	6646664	6635367	6694487	6658839	0.47	cps
Rhodium	103-1	50058253	49546478	50627763	50077498	1.08	cps
Rhodium	103-2	20573900	20278627	20688351	20513626	1.03	cps
Scandium	45-1	40192480	39491824	39419406	39701237	1.08	cps
Scandium	45-2	1080078	1068133	1095490	1081234	1.27	cps
Selenium	82-1	1784	1544	1887	1738	10.14	cps
Selenium	77-2	997	920	903	940	5.30	cps
Selenium	78-2	1010	820	913	914	10.39	cps
Silicon	28-1	175943917	172937984	174631624	174504509	0.86	cps
Silver	107-1	70285	70974	69683	70314	0.92	cps
Silver	109-1	60181	60191	60067	60146	0.11	cps
Sodium	23-2	492964	494518	491466	492983	0.31	cps
Strontium	86-1	1785735	1785288	1745231	1772085	1.31	cps
Strontium	88-1	15387520	14957714	15134602	15159945	1.42	cps
Sulfur	34-1	1606720	1577637	1600028	1594795	0.96	cps
Terbium	159-1	73193419	71571119	72545221	72436586	1.13	cps
Terbium	159-2	26858637	26880772	26740276	26826562	0.28	cps
Thallium	203-1	19662	18931	20179	19590	3.20	cps
Thallium	205-1	46633	46319	47436	46796	1.23	cps
Tin	118-1	105587	106276	104760	105541	0.72	cps
Titanium	47-1	15206293	15163980	14955739	15108671	0.89	cps
Uranium	238-1	179917	179380	180427	179908	0.29	cps

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On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-11	Instrumnet Name :	P8
Client Sample ID :	MYD4P8	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:54:10	DataFile Name :	026AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	2330722	2277737	2329476	2312645	1.31	cps
Ytterbium	172-1	131482	132866	131011	131786	0.73	cps
Ytterbium	172-2	57695	58448	58880	58341	1.03	cps
Ytterbium	176-1	102010	102222	102656	102296	0.32	cps
Ytterbium	176-2	127536	128407	131544	129162	1.63	cps
Yttrium	89-1	89813739	89783135	88431505	89342793	0.88	cps
Yttrium	89-2	8594751	8342858	8561225	8499611	1.61	cps
Zinc	66-2	1087746	1087344	1072722	1082604	0.79	cps
Zirconium	90-1	811310	817818	817182	815437	0.44	cps
Zirconium	91-1	179062	178744	179827	179211	0.31	cps

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-12	Instrumnet Name :	P8
Client Sample ID :	MYD4P9	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:57:09	DataFile Name :	027AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	21560699	21489774	21406217	21485563	0.36	cps
Antimony	121-1	105059	107572	105987	106206	1.20	cps
Arsenic	75-2	149436	149951	147947	149111	0.70	cps
Barium	135-1	5042922	5021984	4950635	5005180	0.97	cps
Barium	137-1	8570467	8602973	8600113	8591184	0.21	cps
Beryllium	9-1	25103	25479	25271	25284	0.74	cps
Bismuth	209-1	41829595	37487953	40192578	39836709	5.50	cps
Bismuth	209-2	18167887	17820514	17796919	17928440	1.16	cps
Bromine	81-1	34616	35047	35244	34969	0.92	cps
Cadmium	108-1	3264	3347	3420	3344	2.34	cps
Cadmium	106-1	59472	54410	56114	56665	4.55	cps
Cadmium	111-1	19562	19468	19608	19546	0.37	cps
Calcium	43-1	3284949	3315763	3298862	3299858	0.47	cps
Calcium	44-1	52004903	52395184	52866798	52422295	0.82	cps
Carbon	12-1	12130496	11994703	12080609	12068603	0.57	cps
Carbon	12-2	103994	102564	102460	103006	0.83	cps
Chlorine	35-1	323429002	329248862	329118528	327265464	1.02	cps
Chlorine	35-2	1959934	1920513	1940872	1940440	1.02	cps
Chromium	52-2	788269	788151	782407	786276	0.43	cps
Cobalt	59-2	1002710	999716	1000890	1001105	0.15	cps
Copper	63-2	3158132	3131651	3158271	3149351	0.49	cps
Dysprosium	156-1	593762	604799	604366	600976	1.04	cps
Dysprosium	156-2	223819	224685	223257	223920	0.32	cps
Erbium	164-1	479485	492143	483941	485190	1.32	cps
Erbium	164-2	180191	180255	180873	180440	0.21	cps
Gadolinium	160-1	514215	523289	520505	519337	0.90	cps
Gadolinium	160-2	224184	226536	223012	224577	0.80	cps
Holmium	165-1	71977362	63526126	68481261	67994916	6.25	cps
Holmium	165-2	27511670	27588733	26995886	27365430	1.18	cps
Indium	115-1	54638742	50496031	52801598	52645457	3.94	cps
Indium	115-2	7526818	7462246	7514029	7501031	0.46	cps
Iron	54-2	77633551	77630849	76675572	77313324	0.71	cps
Iron	56-2	1423833685	1432171499	1412670539	1422891908	0.69	cps
Iron	57-2	35283561	36242399	35430553	35652171	1.45	cps
Krypton	83-1	1157	1250	1297	1235	5.77	cps
Lead	206-1	4247032	4358675	4258658	4288122	1.43	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-12	Instrumnet Name :	P8
Client Sample ID :	MYD4P9	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:57:09	DataFile Name :	027AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	3865335	3897877	3796632	3853281	1.34	cps
Lead	208-1	17245352	17369620	16894577	17169850	1.43	cps
Lithium	6-1	27413787	25309297	26973006	26565363	4.18	cps
Magnesium	24-2	19364096	19187050	19420974	19324040	0.63	cps
Manganese	55-2	12390635	12399324	12334249	12374736	0.29	cps
Molybdenum	94-1	419904	428792	426042	424913	1.07	cps
Molybdenum	95-1	36876	37888	37424	37396	1.36	cps
Molybdenum	96-1	117536	118457	119455	118483	0.81	cps
Molybdenum	97-1	22826	23276	22979	23027	1.00	cps
Molybdenum	98-1	58155	60224	59155	59178	1.75	cps
Neodymium	150-1	835979	849831	848492	844767	0.90	cps
Neodymium	150-2	245175	245482	243904	244854	0.34	cps
Nickel	60-2	307949	308183	309576	308569	0.29	cps
Phosphorus	31-2	46728	46210	46511	46483	0.56	cps
Potassium	39-2	4242200	4252876	4127591	4207556	1.65	cps
Rhodium	103-1	50783289	45453294	47914121	48050235	5.55	cps
Rhodium	103-2	20435785	20648181	20582231	20555399	0.53	cps
Scandium	45-1	40046602	36879725	38749514	38558614	4.13	cps
Scandium	45-2	1098639	1102872	1101665	1101059	0.20	cps
Selenium	82-1	1734	1610	1497	1614	7.34	cps
Selenium	77-2	1207	1207	1210	1208	0.16	cps
Selenium	78-2	860	1020	1017	966	9.47	cps
Silicon	28-1	154485351	153581734	153619901	153895662	0.33	cps
Silver	107-1	49338	49108	48000	48816	1.47	cps
Silver	109-1	38761	39039	38754	38851	0.42	cps
Sodium	23-2	491456	486750	486209	488139	0.59	cps
Strontium	86-1	1692612	1629812	1657616	1660013	1.90	cps
Strontium	88-1	14301489	14108846	14125801	14178712	0.75	cps
Sulfur	34-1	917125	847556	847723	870801	4.61	cps
Terbium	159-1	73707139	66542519	70125024	70124894	5.11	cps
Terbium	159-2	27011413	27891340	27403757	27435503	1.61	cps
Thallium	203-1	16904	18019	18086	17670	3.76	cps
Thallium	205-1	42372	42178	41991	42180	0.45	cps
Tin	118-1	97511	100156	98112	98593	1.41	cps
Titanium	47-1	14232961	14504930	14392329	14376740	0.95	cps
Uranium	238-1	200227	205240	203771	203079	1.27	cps

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On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-12	Instrumnet Name :	P8
Client Sample ID :	MYD4P9	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 17:57:09	DataFile Name :	027AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	2830249	2778687	2818289	2809075	0.96	cps
Ytterbium	172-1	151246	152524	151803	151858	0.42	cps
Ytterbium	172-2	68372	67404	66439	67405	1.43	cps
Ytterbium	176-1	115903	114767	115153	115274	0.50	cps
Ytterbium	176-2	135537	138967	136534	137012	1.29	cps
Yttrium	89-1	92259749	81119284	83846075	85741703	6.77	cps
Yttrium	89-2	8475014	8590872	8501298	8522395	0.71	cps
Zinc	66-2	725802	724202	727400	725802	0.22	cps
Zirconium	90-1	1127306	1143627	1125501	1132145	0.88	cps
Zirconium	91-1	249734	254437	251328	251833	0.95	cps

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-13	Instrumnet Name :	P8
Client Sample ID :	MYD4P9D	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:00:11	DataFile Name :	028AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	21155271	21511336	20990315	21218974	1.25	cps
Antimony	121-1	104677	103196	103639	103837	0.73	cps
Arsenic	75-2	148941	147438	147699	148026	0.54	cps
Barium	135-1	4918653	4941367	4854170	4904730	0.92	cps
Barium	137-1	8499008	8419431	8347687	8422042	0.90	cps
Beryllium	9-1	25017	24654	25166	24945	1.06	cps
Bismuth	209-1	41461546	41279470	42105852	41615623	1.04	cps
Bismuth	209-2	17553621	17629412	17424453	17535829	0.59	cps
Bromine	81-1	34670	35869	34770	35103	1.90	cps
Cadmium	108-1	3510	3370	3414	3432	2.09	cps
Cadmium	106-1	57713	57566	56294	57191	1.36	cps
Cadmium	111-1	19632	19602	19608	19614	0.08	cps
Calcium	43-1	3322761	3282393	3237163	3280773	1.31	cps
Calcium	44-1	52370041	52220098	52230181	52273440	0.16	cps
Carbon	12-1	11732070	11901413	11837922	11823802	0.72	cps
Carbon	12-2	102843	102621	102336	102600	0.25	cps
Chlorine	35-1	327015888	329687548	330936482	329213306	0.61	cps
Chlorine	35-2	1941186	1935387	1926585	1934386	0.38	cps
Chromium	52-2	783045	779249	780326	780873	0.25	cps
Cobalt	59-2	996126	986458	996149	992911	0.56	cps
Copper	63-2	3139418	3116031	3118151	3124533	0.41	cps
Dysprosium	156-1	597020	598974	593354	596449	0.48	cps
Dysprosium	156-2	222921	223614	220982	222506	0.61	cps
Erbium	164-1	479484	480622	486325	482144	0.76	cps
Erbium	164-2	178782	180710	179994	179829	0.54	cps
Gadolinium	160-1	516503	515607	515924	516011	0.09	cps
Gadolinium	160-2	225651	226451	223703	225268	0.63	cps
Holmium	165-1	68982739	70474211	71595519	70350823	1.86	cps
Holmium	165-2	26285303	26569876	26393103	26416094	0.54	cps
Indium	115-1	53946443	51885944	53064650	52965679	1.95	cps
Indium	115-2	7147518	7191855	7213642	7184338	0.47	cps
Iron	54-2	77528874	75384787	76613614	76509092	1.41	cps
Iron	56-2	1418775339	1407174646	1389300833	1405083606	1.06	cps
Iron	57-2	35661850	35198451	35234496	35364933	0.73	cps
Krypton	83-1	1277	1413	1247	1312	6.77	cps
Lead	206-1	4266409	4196709	4226670	4229930	0.83	cps

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-13	Instrumnet Name :	P8
Client Sample ID :	MYD4P9D	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:00:11	DataFile Name :	028AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	3889222	3803615	3821432	3838090	1.18	cps
Lead	208-1	17150588	17047309	17073602	17090500	0.31	cps
Lithium	6-1	26740162	27390030	27436387	27188860	1.43	cps
Magnesium	24-2	18848405	18987918	19035379	18957234	0.51	cps
Manganese	55-2	12463515	12165029	12301056	12309867	1.21	cps
Molybdenum	94-1	425014	427109	422997	425040	0.48	cps
Molybdenum	95-1	37617	38249	37280	37716	1.30	cps
Molybdenum	96-1	118363	118752	117461	118192	0.56	cps
Molybdenum	97-1	23206	23069	22318	22864	2.09	cps
Molybdenum	98-1	59068	57933	58442	58481	0.97	cps
Neodymium	150-1	840007	846137	840807	842317	0.40	cps
Neodymium	150-2	245372	245771	245240	245461	0.11	cps
Nickel	60-2	304923	304338	304756	304672	0.10	cps
Phosphorus	31-2	46638	45183	45989	45937	1.59	cps
Potassium	39-2	4188858	4164334	4159493	4170895	0.38	cps
Rhodium	103-1	50000558	48409126	48253788	48887824	1.98	cps
Rhodium	103-2	19747680	20109533	20101148	19986120	1.03	cps
Scandium	45-1	40059179	38990812	39708633	39586208	1.38	cps
Scandium	45-2	1069323	1064044	1062506	1065291	0.34	cps
Selenium	82-1	1517	1110	1634	1420	19.35	cps
Selenium	77-2	1193	1197	1193	1195	0.16	cps
Selenium	78-2	883	930	933	916	3.05	cps
Silicon	28-1	154642618	155015908	153537418	154398648	0.50	cps
Silver	107-1	49832	48228	48179	48746	1.93	cps
Silver	109-1	38641	37718	37939	38099	1.26	cps
Sodium	23-2	473302	471702	473131	472711	0.19	cps
Strontium	86-1	1668801	1669569	1613509	1650627	1.95	cps
Strontium	88-1	14445369	14240279	14028696	14238115	1.46	cps
Sulfur	34-1	891686	835758	832688	853377	3.89	cps
Terbium	159-1	73217652	71951637	70836571	72001953	1.65	cps
Terbium	159-2	26801263	26739801	26334520	26625195	0.95	cps
Thallium	203-1	17268	17328	17292	17296	0.18	cps
Thallium	205-1	42155	41503	41483	41714	0.92	cps
Tin	118-1	98125	96539	98887	97850	1.22	cps
Titanium	47-1	14609365	14499611	14559262	14556080	0.38	cps
Uranium	238-1	202383	203067	203728	203059	0.33	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-13	Instrumnet Name :	P8
Client Sample ID :	MYD4P9D	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:00:11	DataFile Name :	028AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	2794237	2791789	2784608	2790211	0.18	cps
Ytterbium	172-1	152217	152100	152957	152425	0.30	cps
Ytterbium	172-2	67220	66717	67119	67019	0.40	cps
Ytterbium	176-1	114925	114158	114236	114439	0.37	cps
Ytterbium	176-2	133225	133591	133463	133426	0.14	cps
Yttrium	89-1	87779029	89058702	87724515	88187415	0.86	cps
Yttrium	89-2	8188829	8331139	8223837	8247935	0.90	cps
Zinc	66-2	724432	721868	727279	724527	0.37	cps
Zirconium	90-1	1122584	1127809	1128580	1126324	0.29	cps
Zirconium	91-1	248757	250161	249763	249560	0.29	cps

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-12LX5	Instrumnet Name :	P8
Client Sample ID :	MYD4P9L	Dilution Factor :	5
Date & Time Acquired :	2024-10-02 18:03:12	DataFile Name :	029AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4138945	4132394	4170607	4147315	0.49	cps
Antimony	121-1	20435	20245	20202	20294	0.61	cps
Arsenic	75-2	29260	29558	29745	29521	0.83	cps
Barium	135-1	905493	918494	911056	911681	0.72	cps
Barium	137-1	1635674	1639686	1652331	1642564	0.53	cps
Beryllium	9-1	5139	5159	5044	5114	1.20	cps
Bismuth	209-1	43467324	42510483	41899443	42625750	1.85	cps
Bismuth	209-2	18872766	18572266	18656671	18700568	0.83	cps
Bromine	81-1	30493	31098	29875	30489	2.01	cps
Cadmium	108-1	727	870	860	819	9.77	cps
Cadmium	106-1	50301	49478	48783	49521	1.54	cps
Cadmium	111-1	5824	5619	5744	5729	1.80	cps
Calcium	43-1	596761	596166	593366	595431	0.30	cps
Calcium	44-1	10177585	10087757	9844758	10036700	1.72	cps
Carbon	12-1	8177950	8108034	8005931	8097305	1.07	cps
Carbon	12-2	70287	69262	69001	69517	0.98	cps
Chlorine	35-1	68240354	68049456	68276004	68188605	0.18	cps
Chlorine	35-2	365976	364227	361612	363938	0.60	cps
Chromium	52-2	158467	159107	156694	158089	0.79	cps
Cobalt	59-2	195744	195818	197625	196396	0.54	cps
Copper	63-2	608128	606163	607616	607302	0.17	cps
Dysprosium	156-1	115107	117918	114481	115835	1.58	cps
Dysprosium	156-2	43758	43675	44393	43942	0.89	cps
Erbium	164-1	93378	92865	93005	93083	0.28	cps
Erbium	164-2	35126	36045	35300	35491	1.38	cps
Gadolinium	160-1	101042	100874	100270	100729	0.40	cps
Gadolinium	160-2	44899	44578	44761	44746	0.36	cps
Holmium	165-1	72008536	71739264	69321632	71023144	2.08	cps
Holmium	165-2	27384251	27460818	27113680	27319583	0.67	cps
Indium	115-1	55307604	54919988	55127763	55118452	0.35	cps
Indium	115-2	7583881	7651487	7646790	7627386	0.49	cps
Iron	54-2	15292259	15270436	15156588	15239761	0.48	cps
Iron	56-2	278971963	276215729	277003989	277397227	0.51	cps
Iron	57-2	7043089	6998158	6858652	6966633	1.38	cps
Krypton	83-1	560	530	510	533	4.72	cps
Lead	206-1	811252	802771	789444	801156	1.37	cps

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-12LX5	Instrumnet Name :	P8
Client Sample ID :	MYD4P9L	Dilution Factor :	5
Date & Time Acquired :	2024-10-02 18:03:12	DataFile Name :	029AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	725045	727960	731936	728314	0.47	cps
Lead	208-1	3305426	3299768	3252651	3285948	0.88	cps
Lithium	6-1	27029565	27177345	26264459	26823790	1.83	cps
Magnesium	24-2	3705645	3684298	3667960	3685968	0.51	cps
Manganese	55-2	2485477	2442630	2431397	2453168	1.16	cps
Molybdenum	94-1	82212	82563	81855	82210	0.43	cps
Molybdenum	95-1	8119	8459	8379	8319	2.14	cps
Molybdenum	96-1	24138	23557	24058	23917	1.32	cps
Molybdenum	97-1	5338	5054	5398	5263	3.49	cps
Molybdenum	98-1	12959	13026	12906	12964	0.46	cps
Neodymium	150-1	162090	162879	163176	162715	0.35	cps
Neodymium	150-2	48788	48942	47952	48561	1.10	cps
Nickel	60-2	63461	63149	63025	63212	0.35	cps
Phosphorus	31-2	10170	10184	10484	10279	1.72	cps
Potassium	39-2	773917	778256	776578	776250	0.28	cps
Rhodium	103-1	52398056	51625163	51415554	51812924	1.00	cps
Rhodium	103-2	21441391	21248528	21044830	21244916	0.93	cps
Scandium	45-1	37986349	37929703	37884326	37933459	0.13	cps
Scandium	45-2	1034722	1035725	1027328	1032592	0.44	cps
Selenium	82-1	243	263	280	262	7.00	cps
Selenium	77-2	180	200	207	196	7.10	cps
Selenium	78-2	217	203	180	200	9.28	cps
Silicon	28-1	30604884	30224811	30251010	30360235	0.70	cps
Silver	107-1	10247	9951	10239	10146	1.66	cps
Silver	109-1	7485	7405	7529	7473	0.84	cps
Sodium	23-2	138267	136185	135741	136731	0.99	cps
Strontium	86-1	297959	298960	298590	298503	0.17	cps
Strontium	88-1	2807528	2776873	2779460	2787954	0.61	cps
Sulfur	34-1	766397	767031	763185	765538	0.27	cps
Terbium	159-1	72432147	73481024	73178597	73030589	0.74	cps
Terbium	159-2	27745973	27382188	27758071	27628744	0.77	cps
Thallium	203-1	4938	5134	4631	4901	5.18	cps
Thallium	205-1	12496	11549	11735	11927	4.21	cps
Tin	118-1	27893	27491	29007	28130	2.79	cps
Titanium	47-1	2868565	2797495	2752516	2806192	2.09	cps
Uranium	238-1	39451	39107	38926	39161	0.68	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-12LX5	Instrumnet Name :	P8
Client Sample ID :	MYD4P9L	Dilution Factor :	5
Date & Time Acquired :	2024-10-02 18:03:12	DataFile Name :	029AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	505663	502650	511621	506645	0.90	cps
Ytterbium	172-1	29312	30161	29874	29782	1.45	cps
Ytterbium	172-2	13016	13297	13554	13289	2.02	cps
Ytterbium	176-1	37005	37242	37146	37131	0.32	cps
Ytterbium	176-2	103061	104294	105060	104139	0.97	cps
Yttrium	89-1	84801967	83972294	83472674	84082312	0.80	cps
Yttrium	89-2	8092447	8073353	7977720	8047840	0.76	cps
Zinc	66-2	146993	148758	146919	147557	0.71	cps
Zirconium	90-1	218115	216471	219704	218097	0.74	cps
Zirconium	91-1	48441	48594	47367	48134	1.39	cps

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-14	Instrumnet Name :	P8
Client Sample ID :	MYD4P9S	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:06:22	DataFile Name :	030AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	21190121	20983790	20921353	21031755	0.67	cps
Antimony	121-1	2564376	2542537	2562368	2556427	0.47	cps
Arsenic	75-2	165378	163372	163978	164243	0.63	cps
Barium	135-1	18413779	18376168	18389327	18393092	0.10	cps
Barium	137-1	31792448	31714150	31451315	31652637	0.56	cps
Beryllium	9-1	397141	396997	394118	396085	0.43	cps
Bismuth	209-1	40972834	40912713	40675874	40853807	0.38	cps
Bismuth	209-2	17347519	17454256	17120956	17307577	0.98	cps
Bromine	81-1	34616	34362	33407	34128	1.87	cps
Cadmium	108-1	25233	24829	24959	25007	0.82	cps
Cadmium	106-1	88495	86348	85255	86699	1.90	cps
Cadmium	111-1	332122	331520	336620	333421	0.84	cps
Calcium	43-1	3192465	3155700	3079000	3142388	1.84	cps
Calcium	44-1	51520318	50401024	50357809	50759717	1.30	cps
Carbon	12-1	11517589	11551494	11430882	11499989	0.54	cps
Carbon	12-2	98698	98578	97061	98112	0.93	cps
Chlorine	35-1	310277075	312280195	313814875	312124049	0.57	cps
Chlorine	35-2	1811433	1827194	1805498	1814708	0.62	cps
Chromium	52-2	2351656	2302128	2314265	2322683	1.11	cps
Cobalt	59-2	7697541	7724945	7592368	7671618	0.91	cps
Copper	63-2	5445157	5466563	5502757	5471492	0.53	cps
Dysprosium	156-1	582716	582959	581934	582536	0.09	cps
Dysprosium	156-2	217842	216323	217860	217342	0.41	cps
Erbium	164-1	473225	475007	472700	473644	0.26	cps
Erbium	164-2	175590	174812	173310	174571	0.66	cps
Gadolinium	160-1	504786	512560	506613	507986	0.80	cps
Gadolinium	160-2	219816	219474	217571	218954	0.55	cps
Holmium	165-1	70138082	68769456	68541497	69149678	1.25	cps
Holmium	165-2	26684714	26223330	26327620	26411888	0.92	cps
Indium	115-1	53296616	53453370	52936109	53228698	0.50	cps
Indium	115-2	7147282	7204290	7143571	7165048	0.48	cps
Iron	54-2	75223076	73918349	72581967	73907797	1.79	cps
Iron	56-2	1383992939	1378850273	1356598433	1373147215	1.06	cps
Iron	57-2	34577794	34961344	34466110	34668416	0.75	cps
Krypton	83-1	1303	1213	1217	1245	4.10	cps
Lead	206-1	4582432	4762477	4634841	4659917	1.99	cps

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-14	Instrumnet Name :	P8
Client Sample ID :	MYD4P9S	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:06:22	DataFile Name :	030AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	4122700	4133009	4105718	4120476	0.33	cps
Lead	208-1	18454096	18624240	18430517	18502951	0.57	cps
Lithium	6-1	27124875	27223095	27080355	27142775	0.27	cps
Magnesium	24-2	18491574	18514743	18590573	18532297	0.28	cps
Manganese	55-2	13872242	13650665	13419387	13647431	1.66	cps
Molybdenum	94-1	416445	413340	410831	413538	0.68	cps
Molybdenum	95-1	35816	36712	36344	36291	1.24	cps
Molybdenum	96-1	115401	113889	114763	114684	0.66	cps
Molybdenum	97-1	22281	22295	22321	22299	0.09	cps
Molybdenum	98-1	57934	56096	57244	57091	1.63	cps
Neodymium	150-1	823917	817464	823969	821784	0.46	cps
Neodymium	150-2	239129	237876	237141	238049	0.42	cps
Nickel	60-2	2172295	2158117	2181115	2170509	0.53	cps
Phosphorus	31-2	44578	44501	43418	44166	1.47	cps
Potassium	39-2	4013416	4035144	4017292	4021950	0.29	cps
Rhodium	103-1	49488639	48523369	48406206	48806071	1.22	cps
Rhodium	103-2	19938391	20011132	19346533	19765352	1.84	cps
Scandium	45-1	38845287	39236716	38046039	38709347	1.57	cps
Scandium	45-2	1059444	1055457	1049474	1054792	0.48	cps
Selenium	82-1	45351	46635	46514	46166	1.54	cps
Selenium	77-2	2350	2177	2457	2328	6.07	cps
Selenium	78-2	5094	5058	4794	4982	3.29	cps
Silicon	28-1	147006201	149752341	148173874	148310806	0.93	cps
Silver	107-1	1900811	1939327	1920831	1920323	1.00	cps
Silver	109-1	1829598	1741844	1791164	1787535	2.46	cps
Sodium	23-2	450641	452654	451529	451608	0.22	cps
Strontium	86-1	1653233	1631509	1599557	1628100	1.66	cps
Strontium	88-1	13876972	13847335	13982021	13902109	0.51	cps
Sulfur	34-1	829467	825279	820067	824938	0.57	cps
Terbium	159-1	71405149	71835432	71295269	71511950	0.40	cps
Terbium	159-2	26592426	26500052	26362093	26484857	0.44	cps
Thallium	203-1	1413550	1423803	1429990	1422448	0.58	cps
Thallium	205-1	3474191	3527339	3491135	3497555	0.78	cps
Tin	118-1	93970	93513	93969	93817	0.28	cps
Titanium	47-1	14267917	13995140	13884772	14049276	1.40	cps
Uranium	238-1	200677	199176	202029	200627	0.71	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-14	Instrumnet Name :	P8
Client Sample ID :	MYD4P9S	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:06:22	DataFile Name :	030AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	5557301	5450870	5451923	5486698	1.11	cps
Ytterbium	172-1	149311	149443	150084	149613	0.28	cps
Ytterbium	172-2	66037	65822	65816	65892	0.19	cps
Ytterbium	176-1	112514	114138	112975	113209	0.74	cps
Ytterbium	176-2	132036	132729	134213	132993	0.84	cps
Yttrium	89-1	86516732	87399589	86357114	86757811	0.65	cps
Yttrium	89-2	8283780	8242064	8203794	8243213	0.49	cps
Zinc	66-2	1176163	1175395	1168180	1173246	0.38	cps
Zirconium	90-1	1090300	1098993	1093726	1094339	0.40	cps
Zirconium	91-1	242592	241925	242518	242345	0.15	cps

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On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-12MS	Instrumnet Name :	P8
Client Sample ID :	MYD4P9SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:09:17	DataFile Name :	031AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	20816035	20809189	21021788	20882337	0.58	cps
Antimony	121-1	11604403	11517720	11549742	11557288	0.38	cps
Arsenic	75-2	231499	230312	230790	230867	0.26	cps
Barium	135-1	69503537	68660454	69291926	69151972	0.63	cps
Barium	137-1	120590302	118744982	119286458	119540580	0.79	cps
Beryllium	9-1	1945831	1898861	1860616	1901769	2.24	cps
Bismuth	209-1	40776877	40925712	40001134	40567907	1.22	cps
Bismuth	209-2	17024114	17159295	17349155	17177521	0.95	cps
Bromine	81-1	33213	33103	33162	33159	0.17	cps
Cadmium	108-1	106410	106568	107042	106673	0.31	cps
Cadmium	106-1	197250	196073	193541	195621	0.97	cps
Cadmium	111-1	1573731	1570019	1577275	1573675	0.23	cps
Calcium	43-1	3058466	3014955	2977408	3016943	1.34	cps
Calcium	44-1	48339156	48153221	48442286	48311554	0.30	cps
Carbon	12-1	11124392	11239932	11214881	11193068	0.54	cps
Carbon	12-2	97219	96215	96584	96673	0.52	cps
Chlorine	35-1	294223282	293507762	297538509	295089851	0.73	cps
Chlorine	35-2	1692071	1719504	1700484	1704019	0.82	cps
Chromium	52-2	7765627	7744787	7717808	7742741	0.31	cps
Cobalt	59-2	32324653	31774161	31774874	31957896	0.99	cps
Copper	63-2	14314274	14112717	14146235	14191076	0.76	cps
Dysprosium	156-1	554852	553799	555594	554748	0.16	cps
Dysprosium	156-2	206569	207401	207145	207038	0.21	cps
Erbium	164-1	451667	456170	456292	454710	0.58	cps
Erbium	164-2	167618	165519	166923	166687	0.64	cps
Gadolinium	160-1	479101	481908	485541	482183	0.67	cps
Gadolinium	160-2	208810	207545	205530	207295	0.80	cps
Holmium	165-1	69555009	70389859	67627201	69190690	2.05	cps
Holmium	165-2	26591672	25622966	25614118	25942919	2.17	cps
Indium	115-1	52243518	52267457	51798987	52103321	0.51	cps
Indium	115-2	7037377	6953554	7037378	7009436	0.69	cps
Iron	54-2	70928092	71951476	72053412	71644327	0.87	cps
Iron	56-2	1314539287	1306945234	1288417474	1303300665	1.03	cps
Iron	57-2	32842734	32567313	32353553	32587866	0.75	cps
Krypton	83-1	1040	1170	1363	1191	13.66	cps
Lead	206-1	6280092	6309228	6323648	6304323	0.35	cps

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-12MS	Instrumnet Name :	P8
Client Sample ID :	MYD4P9SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:09:17	DataFile Name :	031AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	5509252	5509525	5552668	5523815	0.45	cps
Lead	208-1	25144106	24932294	25339876	25138759	0.81	cps
Lithium	6-1	27072050	26317117	25758771	26382646	2.50	cps
Magnesium	24-2	17385435	17114297	17177535	17225756	0.82	cps
Manganese	55-2	20165362	19936817	19820001	19974060	0.88	cps
Molybdenum	94-1	386848	393076	394845	391590	1.07	cps
Molybdenum	95-1	34767	34449	34045	34420	1.05	cps
Molybdenum	96-1	110482	110623	110777	110627	0.13	cps
Molybdenum	97-1	21934	21687	21390	21670	1.26	cps
Molybdenum	98-1	57853	56605	56766	57075	1.19	cps
Neodymium	150-1	784631	778091	798247	786990	1.31	cps
Neodymium	150-2	229054	226285	225910	227083	0.76	cps
Nickel	60-2	8876556	8750203	8717625	8781461	0.96	cps
Phosphorus	31-2	40797	41402	41951	41383	1.39	cps
Potassium	39-2	3786764	3682804	3711824	3727131	1.44	cps
Rhodium	103-1	48599348	47344531	47237288	47727055	1.59	cps
Rhodium	103-2	19657365	18999960	19325618	19327647	1.70	cps
Scandium	45-1	38336042	37632336	38012145	37993508	0.93	cps
Scandium	45-2	1023058	1003608	1009263	1011976	0.99	cps
Selenium	82-1	210303	209158	211101	210187	0.46	cps
Selenium	77-2	6735	6472	6732	6646	2.27	cps
Selenium	78-2	19721	19317	19851	19629	1.42	cps
Silicon	28-1	140088638	137385371	138987165	138820391	0.98	cps
Silver	107-1	7341335	7967189	10267869	8525464	18.08	cps
Silver	109-1	7415873	7506316	6364037	7095409	8.95	cps
Sodium	23-2	437332	431779	442285	437132	1.20	cps
Strontium	86-1	1496574	1511869	1537421	1515288	1.36	cps
Strontium	88-1	13107255	13104551	13023099	13078302	0.37	cps
Sulfur	34-1	833695	819780	818309	823928	1.03	cps
Terbium	159-1	70774554	69948144	70353896	70358865	0.59	cps
Terbium	159-2	26362294	25959019	26009366	26110226	0.84	cps
Thallium	203-1	6998576	6966463	6911929	6958989	0.63	cps
Thallium	205-1	16715378	16074431	16405828	16398545	1.95	cps
Tin	118-1	148650	150018	150260	149643	0.58	cps
Titanium	47-1	13243911	13184289	13208146	13212115	0.23	cps
Uranium	238-1	189355	191576	191507	190813	0.66	cps

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On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-12MS	Instrumnet Name :	P8
Client Sample ID :	MYD4P9SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:09:17	DataFile Name :	031AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	15848335	15984471	15846807	15893204	0.50	cps
Ytterbium	172-1	143603	143866	143181	143550	0.24	cps
Ytterbium	172-2	63592	62949	63113	63218	0.53	cps
Ytterbium	176-1	109990	111432	108075	109832	1.53	cps
Ytterbium	176-2	128569	128434	129198	128733	0.32	cps
Yttrium	89-1	86123859	84838579	84407780	85123406	1.05	cps
Yttrium	89-2	8034484	7910436	7934323	7959748	0.83	cps
Zinc	66-2	3136061	3022410	3030689	3063054	2.07	cps
Zirconium	90-1	1034766	1035742	1032536	1034348	0.16	cps
Zirconium	91-1	231848	234667	232511	233008	0.63	cps

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On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-15	Instrumnet Name :	P8
Client Sample ID :	MYD4Q0	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:12:10	DataFile Name :	032AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	15990774	15913945	15754246	15886322	0.76	cps
Antimony	121-1	57698	59248	59623	58856	1.73	cps
Arsenic	75-2	66376	65381	65639	65798	0.78	cps
Barium	135-1	4651937	4566838	4544286	4587687	1.24	cps
Barium	137-1	8032453	7928329	7871808	7944197	1.03	cps
Beryllium	9-1	20518	20713	19989	20407	1.84	cps
Bismuth	209-1	40787318	41829692	41364333	41327114	1.26	cps
Bismuth	209-2	17777267	17489243	17277839	17514783	1.43	cps
Bromine	81-1	34239	33868	33547	33884	1.02	cps
Cadmium	108-1	2050	2090	2287	2142	5.91	cps
Cadmium	106-1	53828	55274	52697	53933	2.39	cps
Cadmium	111-1	8512	8356	8143	8337	2.22	cps
Calcium	43-1	2976193	3008041	2931396	2971877	1.30	cps
Calcium	44-1	48229401	49260448	47596406	48362085	1.74	cps
Carbon	12-1	10347510	10200864	10153182	10233852	0.99	cps
Carbon	12-2	87562	88538	87967	88022	0.56	cps
Chlorine	35-1	317467169	324719002	324688242	322291471	1.30	cps
Chlorine	35-2	1879973	1856531	1831179	1855894	1.31	cps
Chromium	52-2	597601	595053	597130	596595	0.23	cps
Cobalt	59-2	962399	967701	969885	966661	0.40	cps
Copper	63-2	1941650	1890841	1885434	1905975	1.63	cps
Dysprosium	156-1	528923	530885	527488	529099	0.32	cps
Dysprosium	156-2	194674	196379	195855	195636	0.45	cps
Erbium	164-1	418851	413367	415789	416002	0.66	cps
Erbium	164-2	156262	153424	154277	154654	0.94	cps
Gadolinium	160-1	443107	449888	448188	447061	0.79	cps
Gadolinium	160-2	194199	194454	192952	193868	0.41	cps
Holmium	165-1	69239724	69654312	69173769	69355935	0.38	cps
Holmium	165-2	26816509	26213392	26465363	26498421	1.14	cps
Indium	115-1	52771856	53633285	51695186	52700109	1.84	cps
Indium	115-2	7061228	6992035	7087437	7046900	0.70	cps
Iron	54-2	62099794	62192944	61670307	61987682	0.45	cps
Iron	56-2	1139366996	1145260943	1137305636	1140644525	0.36	cps
Iron	57-2	28875160	29412940	28783450	29023850	1.17	cps
Krypton	83-1	1213	1190	1047	1150	7.85	cps
Lead	206-1	1780775	1782908	1725828	1763170	1.84	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-15	Instrumnet Name :	P8
Client Sample ID :	MYD4Q0	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:12:10	DataFile Name :	032AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1480084	1481841	1481982	1481302	0.07	cps
Lead	208-1	6931308	6910654	6880926	6907629	0.37	cps
Lithium	6-1	26455569	26971263	26826176	26751002	0.99	cps
Magnesium	24-2	16178601	15897918	15832871	15969797	1.15	cps
Manganese	55-2	10616339	10525497	10446961	10529599	0.81	cps
Molybdenum	94-1	313761	316948	313381	314697	0.62	cps
Molybdenum	95-1	29926	30213	29501	29880	1.20	cps
Molybdenum	96-1	92012	89506	91026	90848	1.39	cps
Molybdenum	97-1	18265	18689	18653	18536	1.27	cps
Molybdenum	98-1	47013	46999	46458	46823	0.68	cps
Neodymium	150-1	742515	742046	726888	737149	1.21	cps
Neodymium	150-2	216794	213344	212886	214341	1.00	cps
Nickel	60-2	249692	247437	247929	248353	0.48	cps
Phosphorus	31-2	36135	35911	35681	35909	0.63	cps
Potassium	39-2	2944119	2949091	2967822	2953677	0.42	cps
Rhodium	103-1	49044661	49556348	48360823	48987277	1.22	cps
Rhodium	103-2	19758549	19880596	19758637	19799261	0.36	cps
Scandium	45-1	38521449	38286593	37832709	38213584	0.92	cps
Scandium	45-2	1020006	1012357	1008340	1013568	0.58	cps
Selenium	82-1	890	1077	1157	1041	13.14	cps
Selenium	77-2	1000	933	897	943	5.55	cps
Selenium	78-2	843	790	833	822	3.45	cps
Silicon	28-1	167240241	165055038	164220964	165505414	0.94	cps
Silver	107-1	18876	18207	17553	18212	3.63	cps
Silver	109-1	10551	10087	9824	10154	3.63	cps
Sodium	23-2	417117	414616	411848	414527	0.64	cps
Strontium	86-1	1437997	1341589	1345841	1375142	3.96	cps
Strontium	88-1	12453734	12597247	12422094	12491025	0.75	cps
Sulfur	34-1	782822	774893	772140	776618	0.71	cps
Terbium	159-1	71999269	71786379	71408649	71731432	0.42	cps
Terbium	159-2	26511056	26730458	26730367	26657294	0.48	cps
Thallium	203-1	14218	13677	13567	13821	2.52	cps
Thallium	205-1	33644	33126	33283	33351	0.80	cps
Tin	118-1	80827	81286	82554	81556	1.10	cps
Titanium	47-1	12390329	12590292	12275326	12418649	1.28	cps
Uranium	238-1	169352	170697	170655	170235	0.45	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-15	Instrumnet Name :	P8
Client Sample ID :	MYD4Q0	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:12:10	DataFile Name :	032AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	2332933	2329402	2308035	2323457	0.58	cps
Ytterbium	172-1	131549	132627	133785	132654	0.84	cps
Ytterbium	172-2	58770	58683	58837	58763	0.13	cps
Ytterbium	176-1	102790	103434	101674	102633	0.87	cps
Ytterbium	176-2	128360	126138	127532	127343	0.88	cps
Yttrium	89-1	85002705	86064395	85637374	85568158	0.62	cps
Yttrium	89-2	8080628	7961973	7962655	8001752	0.85	cps
Zinc	66-2	348800	346297	340149	345082	1.29	cps
Zirconium	90-1	828268	830337	828967	829191	0.13	cps
Zirconium	91-1	181944	182816	183245	182668	0.36	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-16	Instrumnet Name :	P8
Client Sample ID :	MYD4Q1	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:15:13	DataFile Name :	033AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	16591598	16250478	16181356	16341144	1.34	cps
Antimony	121-1	129857	130095	129176	129709	0.37	cps
Arsenic	75-2	205891	205568	204407	205289	0.38	cps
Barium	135-1	4490470	4480682	4457394	4476182	0.38	cps
Barium	137-1	7719795	7763829	7693578	7725734	0.46	cps
Beryllium	9-1	19442	19499	19241	19394	0.70	cps
Bismuth	209-1	42354171	41426557	41584440	41788389	1.19	cps
Bismuth	209-2	17858103	17731733	17819961	17803266	0.36	cps
Bromine	81-1	37470	37340	38553	37788	1.76	cps
Cadmium	108-1	3344	3554	3581	3493	3.71	cps
Cadmium	106-1	56207	54236	55200	55214	1.79	cps
Cadmium	111-1	30910	31256	31302	31156	0.69	cps
Calcium	43-1	3415763	3495173	3368340	3426425	1.87	cps
Calcium	44-1	54842266	54806711	54321871	54656949	0.53	cps
Carbon	12-1	28791658	29132431	29112931	29012340	0.66	cps
Carbon	12-2	249005	251087	247347	249146	0.75	cps
Chlorine	35-1	270979623	274252003	279519249	274916958	1.57	cps
Chlorine	35-2	1606992	1591686	1589421	1596033	0.60	cps
Chromium	52-2	592854	597299	597005	595719	0.42	cps
Cobalt	59-2	859172	858926	852939	857012	0.41	cps
Copper	63-2	3366065	3372755	3389557	3376126	0.36	cps
Dysprosium	156-1	483162	483687	478670	481840	0.57	cps
Dysprosium	156-2	182022	179567	180607	180732	0.68	cps
Erbium	164-1	391532	386618	388797	388983	0.63	cps
Erbium	164-2	145093	145800	143667	144853	0.75	cps
Gadolinium	160-1	413676	413513	413372	413520	0.04	cps
Gadolinium	160-2	178873	181011	180248	180044	0.60	cps
Holmium	165-1	70550382	70753819	70191136	70498446	0.40	cps
Holmium	165-2	26440833	26523143	26589770	26517915	0.28	cps
Indium	115-1	53091417	52468947	53148156	52902840	0.71	cps
Indium	115-2	6987061	7131003	7080237	7066100	1.03	cps
Iron	54-2	59211532	59349322	59830331	59463729	0.55	cps
Iron	56-2	1095871744	1103051557	1076073797	1091665699	1.28	cps
Iron	57-2	27615908	27470206	27595244	27560453	0.29	cps
Krypton	83-1	1047	1167	1070	1095	5.81	cps
Lead	206-1	7768237	7790959	7884169	7814455	0.79	cps

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LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-16	Instrumnet Name :	P8
Client Sample ID :	MYD4Q1	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:15:13	DataFile Name :	033AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	7073457	7181647	7047819	7100974	1.00	cps
Lead	208-1	31862787	31936497	31744796	31848027	0.30	cps
Lithium	6-1	26324285	26281215	26323178	26309559	0.09	cps
Magnesium	24-2	15649299	15200339	15363277	15404305	1.48	cps
Manganese	55-2	13430051	13286930	13625498	13447493	1.26	cps
Molybdenum	94-1	283734	280315	280770	281606	0.66	cps
Molybdenum	95-1	33794	32916	33253	33321	1.33	cps
Molybdenum	96-1	88687	88973	89308	88989	0.35	cps
Molybdenum	97-1	20552	20959	20388	20633	1.42	cps
Molybdenum	98-1	53158	52282	52850	52763	0.84	cps
Neodymium	150-1	673104	679893	673610	675536	0.56	cps
Neodymium	150-2	195744	194465	194373	194861	0.39	cps
Nickel	60-2	249906	248458	247492	248619	0.49	cps
Phosphorus	31-2	42061	42586	41740	42129	1.01	cps
Potassium	39-2	5594197	5491779	5461780	5515919	1.26	cps
Rhodium	103-1	49090728	48907764	48626066	48874853	0.48	cps
Rhodium	103-2	19468755	20072567	19648351	19729891	1.57	cps
Scandium	45-1	37594667	38240979	37611969	37815872	0.97	cps
Scandium	45-2	1000911	1009081	1006651	1005548	0.42	cps
Selenium	82-1	1527	1304	1504	1445	8.50	cps
Selenium	77-2	970	783	903	886	10.68	cps
Selenium	78-2	777	820	807	801	2.77	cps
Silicon	28-1	164527718	164824484	166114251	165155484	0.51	cps
Silver	107-1	78321	79625	79260	79069	0.85	cps
Silver	109-1	68184	68452	68405	68347	0.21	cps
Sodium	23-2	394831	389923	389362	391372	0.77	cps
Strontium	86-1	1585168	1554011	1576385	1571855	1.02	cps
Strontium	88-1	13721343	13506824	13435017	13554395	1.10	cps
Sulfur	34-1	1236507	1204764	1221834	1221035	1.30	cps
Terbium	159-1	72377067	71360884	71109679	71615877	0.94	cps
Terbium	159-2	26437477	26396747	26927270	26587165	1.11	cps
Thallium	203-1	17756	18186	17268	17737	2.59	cps
Thallium	205-1	43379	42636	42867	42961	0.88	cps
Tin	118-1	95504	95792	96668	95988	0.63	cps
Titanium	47-1	11751367	11490469	11589194	11610343	1.13	cps
Uranium	238-1	178087	179830	180399	179438	0.67	cps

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-16	Instrumnet Name :	P8
Client Sample ID :	MYD4Q1	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:15:13	DataFile Name :	033AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1952568	1952464	1920638	1941890	0.95	cps
Ytterbium	172-1	123839	125720	124842	124801	0.75	cps
Ytterbium	172-2	56229	54043	54753	55008	2.03	cps
Ytterbium	176-1	96714	96979	97245	96979	0.27	cps
Ytterbium	176-2	124248	126166	124352	124922	0.86	cps
Yttrium	89-1	85834425	83532785	85699019	85022077	1.52	cps
Yttrium	89-2	7961806	8079246	7930378	7990477	0.98	cps
Zinc	66-2	1078579	1073247	1075165	1075664	0.25	cps
Zirconium	90-1	727239	729371	741415	732675	1.04	cps
Zirconium	91-1	164782	165024	163456	164421	0.51	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-17	Instrumnet Name :	P8
Client Sample ID :	MYD4Q2	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:18:16	DataFile Name :	034AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	14993763	15080937	14923121	14999274	0.53	cps
Antimony	121-1	122715	123774	123536	123342	0.45	cps
Arsenic	75-2	126317	125025	126808	126050	0.73	cps
Barium	135-1	4116156	3973978	4048052	4046062	1.76	cps
Barium	137-1	7149152	7118014	6944171	7070445	1.56	cps
Beryllium	9-1	20321	20393	20130	20281	0.67	cps
Bismuth	209-1	37346564	42044618	40868092	40086425	6.10	cps
Bismuth	209-2	17359287	17316946	17324871	17333701	0.13	cps
Bromine	81-1	36611	37270	35208	36363	2.90	cps
Cadmium	108-1	2827	2947	2970	2915	2.64	cps
Cadmium	106-1	49532	53731	54832	52698	5.31	cps
Cadmium	111-1	19995	20198	20096	20096	0.50	cps
Calcium	43-1	2746022	2724944	2702413	2724460	0.80	cps
Calcium	44-1	43788791	44291659	43353496	43811315	1.07	cps
Carbon	12-1	14708864	14847243	14739382	14765163	0.49	cps
Carbon	12-2	124750	125799	125079	125209	0.43	cps
Chlorine	35-1	273169469	273216269	276621449	274335729	0.72	cps
Chlorine	35-2	1569326	1551918	1546758	1556001	0.76	cps
Chromium	52-2	587863	584765	586466	586365	0.26	cps
Cobalt	59-2	882390	882448	874517	879785	0.52	cps
Copper	63-2	3525017	3475705	3468529	3489750	0.88	cps
Dysprosium	156-1	471704	481219	474254	475725	1.04	cps
Dysprosium	156-2	178117	178172	176143	177478	0.65	cps
Erbium	164-1	398701	399545	397465	398570	0.26	cps
Erbium	164-2	146248	147926	145348	146507	0.89	cps
Gadolinium	160-1	418173	414936	411869	414993	0.76	cps
Gadolinium	160-2	179072	178214	178055	178447	0.31	cps
Holmium	165-1	64668602	70018074	70499267	68395315	4.73	cps
Holmium	165-2	26375814	26267957	26408582	26350784	0.28	cps
Indium	115-1	48644945	52601484	52965545	51403991	4.66	cps
Indium	115-2	7119253	7001839	6951548	7024213	1.23	cps
Iron	54-2	65544922	64679336	65018331	65080863	0.67	cps
Iron	56-2	1186404382	1200954995	1193463182	1193607520	0.61	cps
Iron	57-2	30059167	30623400	30306025	30329531	0.93	cps
Krypton	83-1	1023	1170	970	1054	9.82	cps
Lead	206-1	4290312	4323441	4258540	4290764	0.76	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-17	Instrumnet Name :	P8
Client Sample ID :	MYD4Q2	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:18:16	DataFile Name :	034AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	3902799	3769341	3818087	3830075	1.76	cps
Lead	208-1	17209436	17290184	17004051	17167890	0.86	cps
Lithium	6-1	23594277	26609368	26042393	25415346	6.30	cps
Magnesium	24-2	13714123	13808928	13818844	13780631	0.42	cps
Manganese	55-2	10295498	10554108	10492525	10447377	1.29	cps
Molybdenum	94-1	326805	331130	326674	328203	0.77	cps
Molybdenum	95-1	44936	46120	46237	45764	1.57	cps
Molybdenum	96-1	110821	110283	109709	110271	0.50	cps
Molybdenum	97-1	28259	28316	28486	28353	0.42	cps
Molybdenum	98-1	73574	72511	71007	72364	1.78	cps
Neodymium	150-1	661763	666487	663100	663783	0.37	cps
Neodymium	150-2	191796	190219	189191	190402	0.69	cps
Nickel	60-2	237311	235400	234817	235843	0.55	cps
Phosphorus	31-2	38264	38434	38290	38329	0.24	cps
Potassium	39-2	4201566	4221710	4159464	4194247	0.76	cps
Rhodium	103-1	44414194	48835479	49076576	47442083	5.53	cps
Rhodium	103-2	19479834	19737756	19635206	19617599	0.66	cps
Scandium	45-1	35085364	37920581	37465269	36823738	4.13	cps
Scandium	45-2	992413	989669	996705	992929	0.36	cps
Selenium	82-1	1424	1140	1427	1330	12.37	cps
Selenium	77-2	800	867	847	838	4.08	cps
Selenium	78-2	737	740	823	767	6.41	cps
Silicon	28-1	139923441	136281521	136422928	137542630	1.50	cps
Silver	107-1	61584	60930	59796	60770	1.49	cps
Silver	109-1	51221	50308	51181	50904	1.01	cps
Sodium	23-2	383652	382005	382911	382856	0.22	cps
Strontium	86-1	1296791	1294903	1272269	1287987	1.06	cps
Strontium	88-1	11917109	12062425	11795523	11925019	1.12	cps
Sulfur	34-1	836335	829556	826884	830925	0.59	cps
Terbium	159-1	64582549	71371184	71058369	69004034	5.55	cps
Terbium	159-2	26219681	26223988	26384174	26275948	0.36	cps
Thallium	203-1	14558	14829	14912	14766	1.25	cps
Thallium	205-1	36210	35168	35442	35607	1.52	cps
Tin	118-1	87279	87373	85263	86639	1.38	cps
Titanium	47-1	13868634	13765875	13589225	13741245	1.03	cps
Uranium	238-1	181607	182115	179488	181070	0.77	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-17	Instrumnet Name :	P8
Client Sample ID :	MYD4Q2	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:18:16	DataFile Name :	034AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	2426767	2412226	2380443	2406479	0.98	cps
Ytterbium	172-1	127490	126312	127911	127238	0.65	cps
Ytterbium	172-2	56031	54692	54850	55191	1.33	cps
Ytterbium	176-1	98729	99555	98332	98872	0.63	cps
Ytterbium	176-2	123800	124187	125748	124578	0.83	cps
Yttrium	89-1	80155572	85503749	84654662	83437994	3.44	cps
Yttrium	89-2	7847029	7837308	7802933	7829090	0.30	cps
Zinc	66-2	602591	603288	601239	602373	0.17	cps
Zirconium	90-1	852176	843311	833715	843067	1.10	cps
Zirconium	91-1	189469	189429	185196	188031	1.31	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-18	Instrumnet Name :	P8
Client Sample ID :	MYD4Q3	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:21:18	DataFile Name :	035AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	20974443	21027680	21201449	21067857	0.56	cps
Antimony	121-1	80478	80019	80767	80421	0.47	cps
Arsenic	75-2	158170	158484	157964	158206	0.17	cps
Barium	135-1	4594230	4626068	4584586	4601628	0.47	cps
Barium	137-1	7950443	7891791	7761982	7868072	1.23	cps
Beryllium	9-1	22985	22987	22556	22843	1.09	cps
Bismuth	209-1	41721510	40237444	41089845	41016266	1.82	cps
Bismuth	209-2	17273483	16978759	17440478	17230907	1.36	cps
Bromine	81-1	35776	36264	36147	36062	0.71	cps
Cadmium	108-1	3350	3380	3410	3380	0.89	cps
Cadmium	106-1	55491	54199	53132	54274	2.18	cps
Cadmium	111-1	22420	22428	21850	22233	1.49	cps
Calcium	43-1	3225570	3181611	3233727	3213636	0.87	cps
Calcium	44-1	51401006	52007396	51261529	51556644	0.77	cps
Carbon	12-1	13309479	13268711	13291779	13289990	0.15	cps
Carbon	12-2	113671	113276	113702	113550	0.21	cps
Chlorine	35-1	328541262	332060342	336364548	332322051	1.18	cps
Chlorine	35-2	1922533	1870463	1892158	1895051	1.38	cps
Chromium	52-2	668482	664694	665170	666115	0.31	cps
Cobalt	59-2	963188	963775	960251	962405	0.20	cps
Copper	63-2	3306206	3368081	3315329	3329872	1.00	cps
Dysprosium	156-1	605673	609822	605384	606960	0.41	cps
Dysprosium	156-2	225884	225803	222845	224844	0.77	cps
Erbium	164-1	479045	481955	481058	480686	0.31	cps
Erbium	164-2	176509	176737	176866	176704	0.10	cps
Gadolinium	160-1	514735	514277	515574	514862	0.13	cps
Gadolinium	160-2	222368	222891	221216	222158	0.39	cps
Holmium	165-1	70193601	68934209	69206569	69444793	0.95	cps
Holmium	165-2	26491094	25992158	26180033	26221095	0.96	cps
Indium	115-1	52094840	51471497	52125033	51897123	0.71	cps
Indium	115-2	6877839	6867030	6905384	6883417	0.29	cps
Iron	54-2	69032851	68716492	68727234	68825526	0.26	cps
Iron	56-2	1284553048	1269316514	1251120061	1268329874	1.32	cps
Iron	57-2	31961412	31754510	31519735	31745219	0.70	cps
Krypton	83-1	1277	1343	1190	1270	6.05	cps
Lead	206-1	5212236	5190694	5224472	5209134	0.33	cps

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-18	Instrumnet Name :	P8
Client Sample ID :	MYD4Q3	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:21:18	DataFile Name :	035AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	4759624	4721246	4671470	4717447	0.94	cps
Lead	208-1	21216841	21108364	21046219	21123808	0.41	cps
Lithium	6-1	25974221	25865776	26359445	26066481	1.00	cps
Magnesium	24-2	19903988	19943636	19877110	19908245	0.17	cps
Manganese	55-2	13684885	13218521	13232266	13378558	1.98	cps
Molybdenum	94-1	351754	361266	354789	355936	1.37	cps
Molybdenum	95-1	30607	30607	30243	30486	0.69	cps
Molybdenum	96-1	100175	99856	99036	99689	0.59	cps
Molybdenum	97-1	18526	19277	18783	18862	2.02	cps
Molybdenum	98-1	49063	48708	48652	48808	0.46	cps
Neodymium	150-1	864195	858502	864533	862410	0.39	cps
Neodymium	150-2	251193	248743	247454	249130	0.76	cps
Nickel	60-2	282753	285791	283088	283877	0.59	cps
Phosphorus	31-2	36977	36419	36218	36538	1.08	cps
Potassium	39-2	4261723	4210486	4115358	4195856	1.77	cps
Rhodium	103-1	47948784	47174924	47239861	47454523	0.90	cps
Rhodium	103-2	19517781	19154965	19339777	19337507	0.94	cps
Scandium	45-1	38303799	37484170	37853679	37880550	1.08	cps
Scandium	45-2	1001280	989512	996818	995870	0.60	cps
Selenium	82-1	1524	1357	1497	1459	6.14	cps
Selenium	77-2	1080	1230	1017	1109	9.88	cps
Selenium	78-2	923	980	907	937	4.10	cps
Silicon	28-1	182454484	179572217	178606871	180211191	1.11	cps
Silver	107-1	51322	53126	52480	52309	1.75	cps
Silver	109-1	42910	42710	42719	42780	0.26	cps
Sodium	23-2	436613	438984	437393	437663	0.28	cps
Strontium	86-1	1509562	1510325	1514256	1511381	0.17	cps
Strontium	88-1	12905184	13169166	13053337	13042563	1.01	cps
Sulfur	34-1	764369	762115	757702	761395	0.45	cps
Terbium	159-1	70972779	70765091	71268032	71001967	0.36	cps
Terbium	159-2	26337402	25515450	26053436	25968763	1.61	cps
Thallium	203-1	17685	17792	17208	17562	1.77	cps
Thallium	205-1	42085	43085	42733	42634	1.19	cps
Tin	118-1	106460	107569	106655	106894	0.55	cps
Titanium	47-1	12961292	12988193	12832231	12927239	0.64	cps
Uranium	238-1	177379	176079	173200	175553	1.22	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-18	Instrumnet Name :	P8
Client Sample ID :	MYD4Q3	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:21:18	DataFile Name :	035AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	2188310	2205447	2191173	2194977	0.42	cps
Ytterbium	172-1	150403	152346	151371	151373	0.64	cps
Ytterbium	172-2	65183	66891	65943	66006	1.30	cps
Ytterbium	176-1	114817	115349	112433	114200	1.36	cps
Ytterbium	176-2	129881	129558	131918	130452	0.98	cps
Yttrium	89-1	84428785	84454060	85804089	84895645	0.93	cps
Yttrium	89-2	7989406	7826471	7921572	7912483	1.03	cps
Zinc	66-2	809703	808890	806317	808303	0.22	cps
Zirconium	90-1	944642	950680	952446	949256	0.43	cps
Zirconium	91-1	212698	210346	210019	211021	0.69	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-19	Instrumnet Name :	P8
Client Sample ID :	MYD4Q4	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:24:22	DataFile Name :	036AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8220025	8202136	8059331	8160497	1.08	cps
Antimony	121-1	125624	125267	126539	125810	0.52	cps
Arsenic	75-2	143506	142892	142973	143124	0.23	cps
Barium	135-1	2040658	2051439	2043128	2045075	0.28	cps
Barium	137-1	3539921	3546458	3550294	3545558	0.15	cps
Beryllium	9-1	13990	13567	13974	13844	1.73	cps
Bismuth	209-1	41956003	42550883	42453261	42320049	0.75	cps
Bismuth	209-2	17751287	17660201	17544574	17652021	0.59	cps
Bromine	81-1	33092	33113	33430	33212	0.57	cps
Cadmium	108-1	2400	2397	2470	2422	1.71	cps
Cadmium	106-1	51599	50703	50710	51004	1.01	cps
Cadmium	111-1	20527	20655	20501	20561	0.40	cps
Calcium	43-1	1646700	1574623	1538800	1586708	3.46	cps
Calcium	44-1	25568847	25264355	25357217	25396806	0.61	cps
Carbon	12-1	14449262	14440432	14463800	14451165	0.08	cps
Carbon	12-2	123157	122179	120824	122053	0.96	cps
Chlorine	35-1	272407489	273467856	272593916	272823087	0.21	cps
Chlorine	35-2	1535740	1562984	1508890	1535871	1.76	cps
Chromium	52-2	394505	391959	395348	393937	0.45	cps
Cobalt	59-2	627917	628135	618874	624975	0.85	cps
Copper	63-2	2349994	2291056	2343774	2328274	1.39	cps
Dysprosium	156-1	346125	345958	346528	346204	0.08	cps
Dysprosium	156-2	125607	124588	124638	124944	0.46	cps
Erbium	164-1	266910	266936	266756	266867	0.04	cps
Erbium	164-2	96695	97789	95933	96806	0.96	cps
Gadolinium	160-1	286783	287719	286559	287020	0.21	cps
Gadolinium	160-2	122866	121588	122510	122322	0.54	cps
Holmium	165-1	72235691	69320177	69901704	70485857	2.19	cps
Holmium	165-2	26471533	26347921	26115031	26311495	0.69	cps
Indium	115-1	53953388	53779873	52832054	53521772	1.13	cps
Indium	115-2	6998249	6874586	6912593	6928476	0.91	cps
Iron	54-2	42982143	42471963	42614781	42689629	0.62	cps
Iron	56-2	800591561	791411402	787866148	793289704	0.83	cps
Iron	57-2	19870623	19790129	19759070	19806607	0.29	cps
Krypton	83-1	793	770	863	809	6.00	cps
Lead	206-1	5294507	5246545	5377133	5306062	1.24	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-19	Instrumnet Name :	P8
Client Sample ID :	MYD4Q4	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:24:22	DataFile Name :	036AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	4760091	4924458	4884154	4856234	1.76	cps
Lead	208-1	21225596	21587513	21463062	21425390	0.86	cps
Lithium	6-1	25913885	25961399	25191712	25688999	1.68	cps
Magnesium	24-2	8321485	8324263	8147332	8264360	1.23	cps
Manganese	55-2	6339015	6224364	6341527	6301635	1.06	cps
Molybdenum	94-1	236169	232971	236038	235059	0.77	cps
Molybdenum	95-1	32030	32431	31870	32110	0.90	cps
Molybdenum	96-1	77609	78279	77079	77655	0.77	cps
Molybdenum	97-1	19791	19951	19801	19848	0.45	cps
Molybdenum	98-1	51967	50237	51057	51087	1.69	cps
Neodymium	150-1	500977	502115	500600	501231	0.16	cps
Neodymium	150-2	142703	143595	143157	143152	0.31	cps
Nickel	60-2	160214	160220	160697	160377	0.17	cps
Phosphorus	31-2	30412	29106	28525	29348	3.29	cps
Potassium	39-2	3417912	3372077	3384541	3391510	0.70	cps
Rhodium	103-1	50116231	48833204	48842188	49263874	1.50	cps
Rhodium	103-2	19900112	19572494	19660393	19711000	0.86	cps
Scandium	45-1	37701065	36625445	36458264	36928258	1.83	cps
Scandium	45-2	959419	953722	938368	950503	1.15	cps
Selenium	82-1	950	1110	923	995	10.15	cps
Selenium	77-2	750	550	630	643	15.65	cps
Selenium	78-2	493	557	550	533	6.52	cps
Silicon	28-1	110494278	110130162	109258748	109961063	0.58	cps
Silver	107-1	40230	40329	39885	40148	0.58	cps
Silver	109-1	34664	33574	34313	34184	1.63	cps
Sodium	23-2	324646	326592	318944	323394	1.23	cps
Strontium	86-1	876054	878053	880431	878179	0.25	cps
Strontium	88-1	8152829	8061664	8002256	8072250	0.94	cps
Sulfur	34-1	775986	765352	762673	768004	0.92	cps
Terbium	159-1	72971036	71764024	72554361	72429807	0.85	cps
Terbium	159-2	26797924	26179425	26229060	26402137	1.30	cps
Thallium	203-1	13364	12840	13834	13346	3.73	cps
Thallium	205-1	32009	32491	31943	32148	0.93	cps
Tin	118-1	85428	84589	84724	84914	0.53	cps
Titanium	47-1	12717732	12526941	12543930	12596201	0.84	cps
Uranium	238-1	162698	161482	161428	161869	0.44	cps

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-19	Instrumnet Name :	P8
Client Sample ID :	MYD4Q4	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:24:22	DataFile Name :	036AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1463007	1449085	1449910	1454001	0.54	cps
Ytterbium	172-1	84833	84417	85715	84988	0.78	cps
Ytterbium	172-2	37205	37068	37186	37153	0.20	cps
Ytterbium	176-1	72250	71445	71073	71589	0.84	cps
Ytterbium	176-2	112443	112652	113459	112851	0.48	cps
Yttrium	89-1	83122810	82960174	83070262	83051082	0.10	cps
Yttrium	89-2	7743739	7595952	7498954	7612882	1.62	cps
Zinc	66-2	610617	604212	605777	606869	0.55	cps
Zirconium	90-1	604432	605750	601798	603993	0.33	cps
Zirconium	91-1	134102	134535	135006	134547	0.34	cps

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-20	Instrumnet Name :	P8
Client Sample ID :	MYD4Q5	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:27:24	DataFile Name :	037AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	15601501	15614225	15375141	15530289	0.87	cps
Antimony	121-1	40804	41045	40620	40823	0.52	cps
Arsenic	75-2	56318	57279	56188	56595	1.05	cps
Barium	135-1	4237844	4279309	4108035	4208396	2.12	cps
Barium	137-1	7303421	7204269	7113751	7207147	1.32	cps
Beryllium	9-1	19702	20115	19380	19732	1.87	cps
Bismuth	209-1	40993553	40521961	40270773	40595429	0.90	cps
Bismuth	209-2	17155018	17643702	17399340	17399353	1.40	cps
Bromine	81-1	33847	33764	33005	33539	1.38	cps
Cadmium	108-1	1957	1903	1974	1945	1.88	cps
Cadmium	106-1	51757	50579	49508	50615	2.22	cps
Cadmium	111-1	7950	8232	7689	7957	3.41	cps
Calcium	43-1	2904158	2818784	2814062	2845668	1.78	cps
Calcium	44-1	46865293	46011196	45509276	46128588	1.49	cps
Carbon	12-1	10542317	10401246	10458971	10467511	0.68	cps
Carbon	12-2	91210	89698	89118	90009	1.20	cps
Chlorine	35-1	331965102	334331982	336916035	334404373	0.74	cps
Chlorine	35-2	1896129	1898585	1860117	1884944	1.14	cps
Chromium	52-2	503849	507504	502780	504711	0.49	cps
Cobalt	59-2	760778	753835	754903	756506	0.49	cps
Copper	63-2	1644638	1649487	1644465	1646197	0.17	cps
Dysprosium	156-1	503167	507594	504252	505004	0.46	cps
Dysprosium	156-2	185707	186314	186793	186272	0.29	cps
Erbium	164-1	404352	402164	408439	404985	0.79	cps
Erbium	164-2	147451	148485	147479	147805	0.40	cps
Gadolinium	160-1	437146	437934	441407	438829	0.52	cps
Gadolinium	160-2	188443	189307	186904	188218	0.65	cps
Holmium	165-1	70398891	68513604	69193529	69368675	1.38	cps
Holmium	165-2	25803415	25828186	26001043	25877548	0.42	cps
Indium	115-1	52115159	51810537	51376986	51767561	0.72	cps
Indium	115-2	6752516	6753333	6767193	6757681	0.12	cps
Iron	54-2	52935318	52628278	52416803	52660133	0.50	cps
Iron	56-2	961389479	962209372	961501346	961700066	0.05	cps
Iron	57-2	24571739	24139576	24393161	24368159	0.89	cps
Krypton	83-1	987	1100	1137	1074	7.28	cps
Lead	206-1	1518040	1499676	1491155	1502957	0.91	cps

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-20	Instrumnet Name :	P8
Client Sample ID :	MYD4Q5	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:27:24	DataFile Name :	037AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1311257	1310394	1305907	1309186	0.22	cps
Lead	208-1	6173387	6013976	6038451	6075272	1.41	cps
Lithium	6-1	25564677	25547628	25318844	25477050	0.54	cps
Magnesium	24-2	16694636	16986598	16876664	16852633	0.87	cps
Manganese	55-2	10244832	10256428	10241940	10247733	0.07	cps
Molybdenum	94-1	298078	297252	293202	296178	0.88	cps
Molybdenum	95-1	23997	24154	23951	24034	0.44	cps
Molybdenum	96-1	82721	80512	81182	81471	1.39	cps
Molybdenum	97-1	14901	14975	15055	14977	0.51	cps
Molybdenum	98-1	38229	37521	37838	37863	0.94	cps
Neodymium	150-1	715431	711570	715938	714313	0.33	cps
Neodymium	150-2	203611	203263	203920	203598	0.16	cps
Nickel	60-2	234425	234566	237325	235439	0.69	cps
Phosphorus	31-2	31731	30976	30125	30944	2.60	cps
Potassium	39-2	3143351	3111536	3101320	3118736	0.70	cps
Rhodium	103-1	48248068	47668478	46980791	47632445	1.33	cps
Rhodium	103-2	18879156	18819121	18862563	18853613	0.16	cps
Scandium	45-1	37358508	36881395	35618202	36619368	2.46	cps
Scandium	45-2	949020	943445	941997	944820	0.39	cps
Selenium	82-1	783	773	570	709	16.98	cps
Selenium	77-2	907	930	837	891	5.45	cps
Selenium	78-2	737	810	740	762	5.43	cps
Silicon	28-1	163817204	160836898	159993131	161549078	1.24	cps
Silver	107-1	16723	16126	15791	16213	2.91	cps
Silver	109-1	9220	9193	8623	9012	3.74	cps
Sodium	23-2	456204	458789	451264	455419	0.84	cps
Strontium	86-1	1280222	1275022	1257256	1270833	0.95	cps
Strontium	88-1	11850776	11877576	11615063	11781138	1.23	cps
Sulfur	34-1	730799	728353	715649	724934	1.12	cps
Terbium	159-1	71670824	70091099	69424969	70395631	1.64	cps
Terbium	159-2	25728630	26100738	25787683	25872350	0.77	cps
Thallium	203-1	12913	13257	13257	13142	1.51	cps
Thallium	205-1	31335	31685	31408	31476	0.59	cps
Tin	118-1	71811	70320	71167	71099	1.05	cps
Titanium	47-1	8996338	8933769	8867152	8932420	0.72	cps
Uranium	238-1	152347	151798	152051	152065	0.18	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-20	Instrumnet Name :	P8
Client Sample ID :	MYD4Q5	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:27:24	DataFile Name :	037AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1639352	1638904	1611629	1629962	0.97	cps
Ytterbium	172-1	127282	128291	128402	127992	0.48	cps
Ytterbium	172-2	54900	55506	55827	55411	0.85	cps
Ytterbium	176-1	98792	98333	98692	98606	0.25	cps
Ytterbium	176-2	121031	122834	123733	122533	1.12	cps
Yttrium	89-1	83685184	83663387	82743514	83364028	0.64	cps
Yttrium	89-2	7531764	7511172	7581653	7541530	0.48	cps
Zinc	66-2	350140	350884	344646	348557	0.98	cps
Zirconium	90-1	793118	790354	782921	788797	0.67	cps
Zirconium	91-1	175540	174532	173140	174404	0.69	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-21	Instrumnet Name :	P8
Client Sample ID :	MYD4Q6	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:30:30	DataFile Name :	038AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	21434666	21405776	21021413	21287285	1.08	cps
Antimony	121-1	61819	62422	62988	62409	0.94	cps
Arsenic	75-2	94437	94316	93953	94236	0.27	cps
Barium	135-1	4843038	4911339	4846354	4866910	0.79	cps
Barium	137-1	8506148	8369003	8420355	8431835	0.82	cps
Beryllium	9-1	22454	22732	22330	22506	0.91	cps
Bismuth	209-1	40370001	40436508	40421169	40409226	0.09	cps
Bismuth	209-2	17089083	17064621	16985973	17046559	0.32	cps
Bromine	81-1	32571	32875	32341	32596	0.82	cps
Cadmium	108-1	3244	3057	3050	3117	3.52	cps
Cadmium	106-1	54470	53209	53550	53743	1.21	cps
Cadmium	111-1	12949	12849	13145	12981	1.16	cps
Calcium	43-1	3116058	3146677	3126576	3129770	0.50	cps
Calcium	44-1	50410673	50387023	50739636	50512444	0.39	cps
Carbon	12-1	10891872	10773721	10794072	10819889	0.58	cps
Carbon	12-2	93293	93072	92375	92913	0.52	cps
Chlorine	35-1	203304477	206836350	207210997	205783941	1.05	cps
Chlorine	35-2	1081367	1067996	1074410	1074591	0.62	cps
Chromium	52-2	624038	617271	616391	619233	0.68	cps
Cobalt	59-2	809501	804517	803046	805688	0.42	cps
Copper	63-2	2501509	2448861	2435412	2461927	1.42	cps
Dysprosium	156-1	580828	576204	579679	578903	0.42	cps
Dysprosium	156-2	220778	218882	216775	218812	0.92	cps
Erbium	164-1	475885	477689	478719	477431	0.30	cps
Erbium	164-2	173506	175900	172733	174047	0.95	cps
Gadolinium	160-1	516629	519504	518057	518063	0.28	cps
Gadolinium	160-2	221514	219515	221595	220874	0.53	cps
Holmium	165-1	68041742	67578544	68952914	68191067	1.03	cps
Holmium	165-2	25932495	25840838	25407642	25726992	1.09	cps
Indium	115-1	50278909	50689881	50690022	50552937	0.47	cps
Indium	115-2	6790998	6613340	6653643	6685994	1.39	cps
Iron	54-2	60577494	59978939	60574231	60376888	0.57	cps
Iron	56-2	1103218437	1096946330	1100822730	1100329166	0.29	cps
Iron	57-2	27301105	27332729	27004925	27212920	0.66	cps
Krypton	83-1	1177	1143	1073	1131	4.66	cps
Lead	206-1	2736991	2770769	2725620	2744460	0.86	cps

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-21	Instrumnet Name :	P8
Client Sample ID :	MYD4Q6	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:30:30	DataFile Name :	038AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	2420563	2371526	2384451	2392180	1.06	cps
Lead	208-1	10914534	10844895	10895476	10884968	0.33	cps
Lithium	6-1	24284398	24683363	24661807	24543189	0.91	cps
Magnesium	24-2	17931393	17777415	17660383	17789730	0.76	cps
Manganese	55-2	11182741	11181114	11042938	11135597	0.72	cps
Molybdenum	94-1	474764	465047	471272	470361	1.05	cps
Molybdenum	95-1	25276	24953	25453	25227	1.01	cps
Molybdenum	96-1	112699	112867	113549	113038	0.40	cps
Molybdenum	97-1	15459	15729	16069	15752	1.94	cps
Molybdenum	98-1	40255	40202	40232	40229	0.07	cps
Neodymium	150-1	873187	858689	860308	864061	0.92	cps
Neodymium	150-2	248753	248231	246519	247834	0.47	cps
Nickel	60-2	249606	246961	247105	247890	0.60	cps
Phosphorus	31-2	26955	26531	26314	26600	1.23	cps
Potassium	39-2	3081897	3073900	3092905	3082901	0.31	cps
Rhodium	103-1	46103548	46877418	46107734	46362900	0.96	cps
Rhodium	103-2	19045922	18569864	18410711	18675499	1.77	cps
Scandium	45-1	35908140	36173864	36521122	36201042	0.85	cps
Scandium	45-2	958559	945209	939548	947772	1.03	cps
Selenium	82-1	1260	1500	1450	1404	9.02	cps
Selenium	77-2	1097	1040	1190	1109	6.83	cps
Selenium	78-2	817	907	823	849	5.91	cps
Silicon	28-1	145284771	141359198	142456871	143033613	1.42	cps
Silver	107-1	41086	41079	41413	41193	0.46	cps
Silver	109-1	31854	31696	31406	31652	0.72	cps
Sodium	23-2	344766	344398	341589	343585	0.51	cps
Strontium	86-1	1540016	1499275	1486638	1508643	1.85	cps
Strontium	88-1	13178761	13124927	13018243	13107311	0.62	cps
Sulfur	34-1	748340	737487	735384	740404	0.94	cps
Terbium	159-1	70281331	69031116	69821509	69711318	0.91	cps
Terbium	159-2	25457238	25393004	25332947	25394396	0.24	cps
Thallium	203-1	13991	14278	13694	13988	2.09	cps
Thallium	205-1	34893	33042	33049	33661	3.17	cps
Tin	118-1	81484	81038	81574	81365	0.35	cps
Titanium	47-1	10757878	10754248	10756942	10756356	0.02	cps
Uranium	238-1	177540	181359	180210	179703	1.09	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-21	Instrumnet Name :	P8
Client Sample ID :	MYD4Q6	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:30:30	DataFile Name :	038AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1910548	1841389	1862050	1871329	1.90	cps
Ytterbium	172-1	146841	145837	147886	146854	0.70	cps
Ytterbium	172-2	64824	63896	63354	64025	1.16	cps
Ytterbium	176-1	110769	110749	112144	111221	0.72	cps
Ytterbium	176-2	125506	126946	128465	126972	1.17	cps
Yttrium	89-1	83359232	81067197	81977980	82134803	1.41	cps
Yttrium	89-2	7746535	7745936	7582535	7691669	1.23	cps
Zinc	66-2	459166	457731	453879	456925	0.60	cps
Zirconium	90-1	1267351	1272073	1267517	1268981	0.21	cps
Zirconium	91-1	280363	279504	280321	280063	0.17	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-22	Instrumnet Name :	P8
Client Sample ID :	MYD4Q7	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:33:32	DataFile Name :	039AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	10204779	10157124	10146619	10169507	0.30	cps
Antimony	121-1	123250	124918	123421	123863	0.74	cps
Arsenic	75-2	121121	119444	121861	120809	1.03	cps
Barium	135-1	2916202	2927604	2912545	2918784	0.27	cps
Barium	137-1	5064028	4943065	4981770	4996288	1.24	cps
Beryllium	9-1	15873	15987	15706	15855	0.89	cps
Bismuth	209-1	41381805	41352117	41240145	41324689	0.18	cps
Bismuth	209-2	17155905	17217798	17384261	17252655	0.68	cps
Bromine	81-1	29284	29672	30470	29808	2.03	cps
Cadmium	108-1	3530	3537	3517	3528	0.29	cps
Cadmium	106-1	52105	52081	50335	51507	1.97	cps
Cadmium	111-1	29529	30295	29570	29798	1.45	cps
Calcium	43-1	2056503	2049561	2063892	2056652	0.35	cps
Calcium	44-1	33714209	33590052	32489750	33264670	2.03	cps
Carbon	12-1	10194281	10065368	10158774	10139475	0.66	cps
Carbon	12-2	85953	86177	86492	86207	0.31	cps
Chlorine	35-1	155593438	157545978	157192508	156777308	0.66	cps
Chlorine	35-2	818815	815963	815392	816723	0.22	cps
Chromium	52-2	507734	505480	506676	506630	0.22	cps
Cobalt	59-2	771649	769008	772472	771043	0.23	cps
Copper	63-2	3758197	3783774	3860852	3800941	1.41	cps
Dysprosium	156-1	451701	447208	454987	451299	0.87	cps
Dysprosium	156-2	165602	164469	165775	165282	0.43	cps
Erbium	164-1	359356	359069	356276	358233	0.47	cps
Erbium	164-2	133206	132554	131533	132431	0.64	cps
Gadolinium	160-1	384008	384630	382797	383812	0.24	cps
Gadolinium	160-2	165963	163508	164184	164552	0.77	cps
Holmium	165-1	68004646	67546182	66330127	67293652	1.29	cps
Holmium	165-2	26123344	26094730	25687543	25968539	0.94	cps
Indium	115-1	51414957	51507187	50842739	51254961	0.70	cps
Indium	115-2	6757910	6706999	6795796	6753568	0.66	cps
Iron	54-2	51348853	50953264	51139269	51147129	0.39	cps
Iron	56-2	934723106	954917239	941345959	943662101	1.09	cps
Iron	57-2	23866470	23492415	23692622	23683836	0.79	cps
Krypton	83-1	1040	920	917	959	7.33	cps
Lead	206-1	5474926	5384097	5347191	5402071	1.22	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-22	Instrumnet Name :	P8
Client Sample ID :	MYD4Q7	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:33:32	DataFile Name :	039AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	4921754	4758730	4820002	4833495	1.70	cps
Lead	208-1	21908424	21399746	21660412	21656194	1.17	cps
Lithium	6-1	24500151	24526600	24150902	24392551	0.86	cps
Magnesium	24-2	10378168	10220965	10227350	10275494	0.87	cps
Manganese	55-2	10013396	10148033	10066796	10076075	0.67	cps
Molybdenum	94-1	300785	300214	302283	301094	0.36	cps
Molybdenum	95-1	37140	37434	38002	37525	1.17	cps
Molybdenum	96-1	94908	95808	95730	95482	0.52	cps
Molybdenum	97-1	23139	23393	23523	23352	0.84	cps
Molybdenum	98-1	60595	59925	60668	60396	0.68	cps
Neodymium	150-1	639215	628886	633880	633994	0.81	cps
Neodymium	150-2	184068	182078	181561	182569	0.73	cps
Nickel	60-2	198015	194865	195791	196224	0.82	cps
Phosphorus	31-2	38745	39029	38113	38629	1.21	cps
Potassium	39-2	4568892	4573401	4536601	4559631	0.44	cps
Rhodium	103-1	47117994	46948189	46262876	46776353	0.97	cps
Rhodium	103-2	19316708	18894453	19102071	19104411	1.11	cps
Scandium	45-1	35417124	35652599	34449266	35172996	1.81	cps
Scandium	45-2	915885	911722	920492	916033	0.48	cps
Selenium	82-1	887	1087	1087	1020	11.32	cps
Selenium	77-2	827	740	817	794	5.97	cps
Selenium	78-2	620	633	637	630	1.40	cps
Silicon	28-1	113358012	109874608	110026825	111086482	1.77	cps
Silver	107-1	48821	49577	48558	48986	1.08	cps
Silver	109-1	41308	40850	40900	41020	0.61	cps
Sodium	23-2	326526	327284	323095	325635	0.69	cps
Strontium	86-1	1149020	1156659	1146354	1150678	0.46	cps
Strontium	88-1	10531785	10679988	10521238	10577670	0.84	cps
Sulfur	34-1	711426	710201	706119	709249	0.39	cps
Terbium	159-1	70321389	70096637	69221239	69879755	0.83	cps
Terbium	159-2	25804655	25619485	25287033	25570391	1.03	cps
Thallium	203-1	16023	16541	15907	16157	2.09	cps
Thallium	205-1	39169	38851	38183	38734	1.30	cps
Tin	118-1	83878	85500	87056	85478	1.86	cps
Titanium	47-1	15044901	14993585	14914907	14984464	0.44	cps
Uranium	238-1	194236	197990	199731	197319	1.42	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-22	Instrumnet Name :	P8
Client Sample ID :	MYD4Q7	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:33:32	DataFile Name :	039AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1772723	1788897	1808257	1789959	0.99	cps
Ytterbium	172-1	113733	113932	113330	113665	0.27	cps
Ytterbium	172-2	49827	49766	49482	49692	0.37	cps
Ytterbium	176-1	88843	89457	89863	89388	0.57	cps
Ytterbium	176-2	117867	119292	118704	118621	0.60	cps
Yttrium	89-1	81237235	81419930	80706555	81121240	0.46	cps
Yttrium	89-2	7490781	7418802	7219062	7376215	1.91	cps
Zinc	66-2	667795	657467	665366	663542	0.81	cps
Zirconium	90-1	778310	778698	777448	778152	0.08	cps
Zirconium	91-1	172398	172325	172102	172275	0.09	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	PB163711BL	Instrumnet Name :	P8
Client Sample ID :	PBW711	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:36:38	DataFile Name :	040CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1700	1390	1537	1542	10.06	cps
Antimony	121-1	217	300	330	282	20.81	cps
Arsenic	75-2	3	7	13	8	65.47	cps
Barium	135-1	483	357	337	392	20.28	cps
Barium	137-1	517	323	347	396	26.68	cps
Beryllium	9-1	261	284	272	272	4.13	cps
Bismuth	209-1	43636094	42929854	42929559	43165169	0.94	cps
Bismuth	209-2	18557641	18693196	18620007	18623614	0.36	cps
Bromine	81-1	27257	27130	26916	27101	0.64	cps
Cadmium	108-1	73	103	77	84	19.47	cps
Cadmium	106-1	44940	42184	42529	43218	3.47	cps
Cadmium	111-1	2259	2077	2113	2150	4.49	cps
Calcium	43-1	1373	1267	1233	1291	5.66	cps
Calcium	44-1	25226	24671	24828	24908	1.15	cps
Carbon	12-1	6233790	6022076	6061688	6105851	1.84	cps
Carbon	12-2	52186	50563	51108	51286	1.61	cps
Chlorine	35-1	7199343	6704588	6175294	6693075	7.65	cps
Chlorine	35-2	28284	27937	26942	27721	2.51	cps
Chromium	52-2	2330	2280	2434	2348	3.33	cps
Cobalt	59-2	290	280	243	271	9.06	cps
Copper	63-2	12332	11938	12292	12188	1.78	cps
Dysprosium	156-1	147	133	120	133	10.00	cps
Dysprosium	156-2	43	20	40	34	36.64	cps
Erbium	164-1	460	460	513	478	6.45	cps
Erbium	164-2	180	150	240	190	24.12	cps
Gadolinium	160-1	1023	1120	943	1029	8.60	cps
Gadolinium	160-2	1087	1107	1257	1150	8.08	cps
Holmium	165-1	69776802	66601044	68788906	68388917	2.38	cps
Holmium	165-2	26325625	26166530	26058139	26183431	0.51	cps
Indium	115-1	53437845	51484747	53135506	52686033	2.00	cps
Indium	115-2	7105304	7180389	7093855	7126516	0.66	cps
Iron	54-2	2110	2164	2277	2184	3.90	cps
Iron	56-2	28745	28804	29641	29063	1.73	cps
Iron	57-2	737	747	763	749	1.80	cps
Krypton	83-1	383	347	317	349	9.57	cps
Lead	206-1	2120	1853	1930	1968	6.98	cps

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	PB163711BL	Instrumnet Name :	P8
Client Sample ID :	PBW711	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:36:38	DataFile Name :	040CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1853	1667	1710	1743	5.60	cps
Lead	208-1	8575	7898	7761	8078	5.39	cps
Lithium	6-1	24349200	23906759	23687938	23981299	1.40	cps
Magnesium	24-2	860	817	870	849	3.34	cps
Manganese	55-2	1183	1060	963	1069	10.32	cps
Molybdenum	94-1	1190	1110	1263	1188	6.46	cps
Molybdenum	95-1	323	337	307	322	4.67	cps
Molybdenum	96-1	513	527	527	522	1.47	cps
Molybdenum	97-1	173	233	190	199	15.57	cps
Molybdenum	98-1	470	423	470	454	5.93	cps
Neodymium	150-1	70	60	80	70	14.29	cps
Neodymium	150-2	10	17	7	11	45.82	cps
Nickel	60-2	683	633	680	666	4.20	cps
Phosphorus	31-2	1187	1137	1183	1169	2.39	cps
Potassium	39-2	17371	17644	17638	17551	0.89	cps
Rhodium	103-1	50150661	49346549	49082158	49526456	1.12	cps
Rhodium	103-2	19888367	20347868	20188610	20141615	1.16	cps
Scandium	45-1	34184314	33804919	34364694	34117976	0.84	cps
Scandium	45-2	908665	914692	920740	914699	0.66	cps
Selenium	82-1	-57	-73	-10	-47	-70.35	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	27	23	17	22	22.91	cps
Silicon	28-1	1043815	1003389	1018795	1022000	2.00	cps
Silver	107-1	761	684	667	704	7.08	cps
Silver	109-1	280	277	270	276	1.85	cps
Sodium	23-2	30408	30388	30348	30382	0.10	cps
Strontium	86-1	637	607	540	594	8.32	cps
Strontium	88-1	1410	1287	1093	1263	12.64	cps
Sulfur	34-1	672576	676126	674247	674316	0.26	cps
Terbium	159-1	70211711	69626582	71077587	70305293	1.04	cps
Terbium	159-2	26449267	26231561	26220065	26300298	0.49	cps
Thallium	203-1	2194	2290	2084	2189	4.72	cps
Thallium	205-1	5188	5154	5121	5154	0.65	cps
Tin	118-1	8303	8730	8663	8565	2.68	cps
Titanium	47-1	947	707	613	756	22.76	cps
Uranium	238-1	163	180	147	163	10.20	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	PB163711BL	Instrumnet Name :	P8
Client Sample ID :	PBW711	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:36:38	DataFile Name :	040CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	67	70	53	63	13.93	cps
Ytterbium	172-1	427	523	410	453	13.50	cps
Ytterbium	172-2	190	180	170	180	5.56	cps
Ytterbium	176-1	17672	17271	16707	17217	2.81	cps
Ytterbium	176-2	88957	92229	92840	91342	2.29	cps
Yttrium	89-1	77803699	75830627	77499752	77044693	1.38	cps
Yttrium	89-2	7192694	7389920	7337135	7306583	1.40	cps
Zinc	66-2	3334	3214	3324	3290	2.02	cps
Zirconium	90-1	4024	4091	4484	4200	5.92	cps
Zirconium	91-1	633	607	800	680	15.41	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	PB163711BS	Instrumnet Name :	P8
Client Sample ID :	LCS711	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:46:24	DataFile Name :	043LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	12886	12592	12522	12667	1.52	cps
Antimony	121-1	135625	134507	136005	135379	0.58	cps
Arsenic	75-2	1470	1740	1660	1623	8.54	cps
Barium	135-1	188800	186992	187942	187911	0.48	cps
Barium	137-1	327076	325010	330204	327430	0.80	cps
Beryllium	9-1	21119	21216	21403	21246	0.68	cps
Bismuth	209-1	42595209	43047553	42342948	42661903	0.84	cps
Bismuth	209-2	18674569	18609126	18165857	18483184	1.50	cps
Bromine	81-1	28943	28389	28663	28665	0.97	cps
Cadmium	108-1	1867	1870	1893	1877	0.77	cps
Cadmium	106-1	48679	46903	46899	47494	2.16	cps
Cadmium	111-1	21489	21952	21762	21734	1.07	cps
Calcium	43-1	126725	126155	124826	125902	0.77	cps
Calcium	44-1	2182998	2199203	2178766	2186989	0.49	cps
Carbon	12-1	6337429	6250713	6203288	6263810	1.09	cps
Carbon	12-2	53698	52630	52931	53086	1.04	cps
Chlorine	35-1	2300379	2274031	2208467	2260959	2.09	cps
Chlorine	35-2	11341	10908	10921	11057	2.23	cps
Chromium	52-2	46244	46739	45987	46324	0.83	cps
Cobalt	59-2	38201	37763	38850	38271	1.43	cps
Copper	63-2	75583	75321	74655	75186	0.64	cps
Dysprosium	156-1	300	250	180	243	24.77	cps
Dysprosium	156-2	20	60	57	46	48.72	cps
Erbium	164-1	450	597	643	563	17.91	cps
Erbium	164-2	137	230	173	180	26.12	cps
Gadolinium	160-1	1237	1183	1143	1188	3.94	cps
Gadolinium	160-2	1197	1207	1167	1190	1.75	cps
Holmium	165-1	67295266	68463289	67175884	67644813	1.05	cps
Holmium	165-2	25844552	26440778	26075335	26120222	1.15	cps
Indium	115-1	52076817	51508634	51710115	51765189	0.56	cps
Indium	115-2	7272651	7255590	7087971	7205404	1.42	cps
Iron	54-2	191381	191884	190366	191210	0.40	cps
Iron	56-2	3692805	3667855	3733145	3697935	0.89	cps
Iron	57-2	87929	87271	87909	87703	0.43	cps
Krypton	83-1	370	370	363	368	1.05	cps
Lead	206-1	71499	70396	71204	71033	0.80	cps

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	PB163711BS	Instrumnet Name :	P8
Client Sample ID :	LCS711	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:46:24	DataFile Name :	043LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	61977	61267	62634	61959	1.10	cps
Lead	208-1	283190	281452	284588	283077	0.55	cps
Lithium	6-1	25325490	24920588	24895611	25047230	0.96	cps
Magnesium	24-2	792501	788030	786935	789155	0.37	cps
Manganese	55-2	13216	12936	13650	13267	2.71	cps
Molybdenum	94-1	162788	162230	161276	162098	0.47	cps
Molybdenum	95-1	195022	195715	195968	195569	0.25	cps
Molybdenum	96-1	217507	218160	219119	218262	0.37	cps
Molybdenum	97-1	121829	121076	121792	121566	0.35	cps
Molybdenum	98-1	312506	314666	314741	313971	0.40	cps
Neodymium	150-1	150	153	137	147	6.01	cps
Neodymium	150-2	50	50	63	54	14.14	cps
Nickel	60-2	11652	11375	11371	11466	1.40	cps
Phosphorus	31-2	1297	1187	1190	1225	5.11	cps
Potassium	39-2	552611	553006	554012	553210	0.13	cps
Rhodium	103-1	49658141	49107154	49607478	49457591	0.62	cps
Rhodium	103-2	20433038	20130011	20014545	20192531	1.07	cps
Scandium	45-1	34685908	35103620	35179912	34989813	0.76	cps
Scandium	45-2	933305	930976	920360	928213	0.74	cps
Selenium	82-1	6075	5981	5741	5933	2.90	cps
Selenium	77-2	163	213	163	180	16.04	cps
Selenium	78-2	560	597	573	577	3.22	cps
Silicon	28-1	1538862	1528337	1523683	1530294	0.51	cps
Silver	107-1	104181	107057	105663	105634	1.36	cps
Silver	109-1	99997	101155	101034	100729	0.63	cps
Sodium	23-2	1585563	1567240	1562038	1571614	0.79	cps
Strontium	86-1	26415	26515	26291	26407	0.42	cps
Strontium	88-1	224813	225740	225605	225386	0.22	cps
Sulfur	34-1	891265	809262	809434	836654	5.65	cps
Terbium	159-1	69418339	70816552	69748141	69994344	1.04	cps
Terbium	159-2	26554597	26268952	26174461	26332670	0.75	cps
Thallium	203-1	86492	86371	85150	86004	0.86	cps
Thallium	205-1	205736	204948	204639	205108	0.28	cps
Tin	118-1	9627	10151	9593	9790	3.19	cps
Titanium	47-1	60155	61143	59764	60354	1.18	cps
Uranium	238-1	275322	278082	276704	276703	0.50	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	PB163711BS	Instrumnet Name :	P8
Client Sample ID :	LCS711	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:46:24	DataFile Name :	043LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	76922	77602	76687	77070	0.62	cps
Ytterbium	172-1	500	430	463	464	7.54	cps
Ytterbium	172-2	203	200	183	196	5.48	cps
Ytterbium	176-1	18506	18209	17902	18206	1.66	cps
Ytterbium	176-2	90723	93421	92803	92315	1.53	cps
Yttrium	89-1	76789572	77508669	76006591	76768277	0.98	cps
Yttrium	89-2	7324084	7391036	7433018	7382712	0.74	cps
Zinc	66-2	18225	17948	17651	17941	1.60	cps
Zirconium	90-1	142021	141816	142304	142047	0.17	cps
Zirconium	91-1	31138	30597	30898	30878	0.88	cps

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On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	PB163711BSD	Instrumnet Name :	P8
Client Sample ID :	LCSD711	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:49:40	DataFile Name :	044LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6718	6358	6388	6488	3.08	cps
Antimony	121-1	75651	76506	76610	76256	0.69	cps
Arsenic	75-2	843	913	863	873	4.13	cps
Barium	135-1	105836	106142	105147	105709	0.48	cps
Barium	137-1	186265	183942	183632	184613	0.78	cps
Beryllium	9-1	12265	12160	12292	12239	0.57	cps
Bismuth	209-1	41870085	41912870	42786478	42189811	1.23	cps
Bismuth	209-2	18643148	18383865	18498388	18508467	0.70	cps
Bromine	81-1	27026	26919	27334	27093	0.79	cps
Cadmium	108-1	1130	933	1073	1046	9.68	cps
Cadmium	106-1	45869	46900	45535	46101	1.54	cps
Cadmium	111-1	12937	13420	12653	13004	2.98	cps
Calcium	43-1	71412	70331	72102	71282	1.25	cps
Calcium	44-1	1139241	1144516	1135779	1139846	0.39	cps
Carbon	12-1	6225126	6138286	6032243	6131885	1.58	cps
Carbon	12-2	53112	52476	52410	52666	0.74	cps
Chlorine	35-1	1765393	1795753	1757057	1772734	1.15	cps
Chlorine	35-2	8909	8693	8566	8723	1.99	cps
Chromium	52-2	26782	26882	26638	26767	0.46	cps
Cobalt	59-2	22117	21613	22060	21930	1.26	cps
Copper	63-2	47496	46148	48091	47245	2.11	cps
Dysprosium	156-1	163	177	133	158	14.07	cps
Dysprosium	156-2	40	27	50	39	30.10	cps
Erbium	164-1	487	500	490	492	1.41	cps
Erbium	164-2	183	137	230	183	25.45	cps
Gadolinium	160-1	1083	897	1003	994	9.42	cps
Gadolinium	160-2	1117	1363	1167	1216	10.73	cps
Holmium	165-1	65985252	68668351	66550811	67068138	2.11	cps
Holmium	165-2	26519430	26232473	26059136	26270346	0.88	cps
Indium	115-1	51504061	53216090	51647474	52122542	1.82	cps
Indium	115-2	7069918	7201051	7121556	7130842	0.93	cps
Iron	54-2	106658	106829	105460	106315	0.70	cps
Iron	56-2	2012432	2009747	2018789	2013656	0.23	cps
Iron	57-2	47646	47736	47355	47579	0.42	cps
Krypton	83-1	337	357	363	352	3.94	cps
Lead	206-1	40774	40493	39747	40338	1.32	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	PB163711BSD	Instrumnet Name :	P8
Client Sample ID :	LCSD711	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:49:40	DataFile Name :	044LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	35455	35101	35746	35434	0.91	cps
Lead	208-1	162010	159342	160862	160738	0.83	cps
Lithium	6-1	24186116	25088348	24757545	24677336	1.85	cps
Magnesium	24-2	445029	444076	442378	443828	0.30	cps
Manganese	55-2	6535	6582	6695	6604	1.25	cps
Molybdenum	94-1	91925	90784	89851	90853	1.14	cps
Molybdenum	95-1	110488	109997	108076	109521	1.16	cps
Molybdenum	96-1	121735	121072	123140	121982	0.87	cps
Molybdenum	97-1	68558	68555	68528	68547	0.02	cps
Molybdenum	98-1	176785	178480	175384	176883	0.88	cps
Neodymium	150-1	93	77	60	77	21.74	cps
Neodymium	150-2	7	7	20	11	69.25	cps
Nickel	60-2	6768	6882	6832	6827	0.83	cps
Phosphorus	31-2	1223	1210	1163	1199	2.63	cps
Potassium	39-2	319816	315738	321732	319095	0.96	cps
Rhodium	103-1	48917269	49471259	49256554	49215028	0.57	cps
Rhodium	103-2	20158173	20450891	20174976	20261346	0.81	cps
Scandium	45-1	33958570	34878430	34422559	34419853	1.34	cps
Scandium	45-2	936019	920697	923172	926629	0.89	cps
Selenium	82-1	3331	3397	3361	3363	0.99	cps
Selenium	77-2	113	93	83	97	15.81	cps
Selenium	78-2	303	277	303	294	5.23	cps
Silicon	28-1	1243160	1215246	1225598	1228001	1.15	cps
Silver	107-1	59960	59112	60217	59763	0.97	cps
Silver	109-1	56750	56927	56666	56781	0.23	cps
Sodium	23-2	837899	841174	840097	839723	0.20	cps
Strontium	86-1	15215	14911	14971	15033	1.07	cps
Strontium	88-1	128371	125492	127553	127138	1.17	cps
Sulfur	34-1	794624	797573	799908	797368	0.33	cps
Terbium	159-1	68266739	69275864	69195519	68912707	0.81	cps
Terbium	159-2	26023838	25818250	26250540	26030876	0.83	cps
Thallium	203-1	49062	48667	49116	48948	0.50	cps
Thallium	205-1	115977	117692	118125	117264	0.97	cps
Tin	118-1	14640	12513	12496	13216	9.33	cps
Titanium	47-1	33853	33653	33736	33747	0.30	cps
Uranium	238-1	155003	155943	153963	154970	0.64	cps

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	PB163711BSD	Instrumnet Name :	P8
Client Sample ID :	LCSD711	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:49:40	DataFile Name :	044LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	43529	43262	42844	43212	0.80	cps
Ytterbium	172-1	457	450	447	451	1.13	cps
Ytterbium	172-2	190	220	233	214	10.35	cps
Ytterbium	176-1	18086	17812	17845	17914	0.83	cps
Ytterbium	176-2	90001	91964	91773	91246	1.19	cps
Yttrium	89-1	75946746	75283734	76525269	75918583	0.82	cps
Yttrium	89-2	7338450	7366699	7298715	7334621	0.47	cps
Zinc	66-2	11768	11225	11428	11474	2.39	cps
Zirconium	90-1	82227	81919	80581	81575	1.07	cps
Zirconium	91-1	17254	17151	17681	17362	1.62	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-01	Instrumnet Name :	P8
Client Sample ID :	MYD599	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:52:56	DataFile Name :	045AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1910	2013	1870	1931	3.83	cps
Antimony	121-1	307	333	370	337	9.45	cps
Arsenic	75-2	17	20	20	19	10.18	cps
Barium	135-1	1273	1150	1230	1218	5.14	cps
Barium	137-1	2037	1860	1967	1955	4.55	cps
Beryllium	9-1	234	261	294	263	11.42	cps
Bismuth	209-1	42318852	42055369	42280151	42218124	0.34	cps
Bismuth	209-2	19023815	18267173	18658996	18649995	2.03	cps
Bromine	81-1	26909	26191	26011	26370	1.80	cps
Cadmium	108-1	100	117	127	114	11.77	cps
Cadmium	106-1	44064	44141	43813	44006	0.39	cps
Cadmium	111-1	2183	2199	2159	2180	0.93	cps
Calcium	43-1	6472	6628	6475	6525	1.37	cps
Calcium	44-1	108952	108811	109258	109007	0.21	cps
Carbon	12-1	7496118	7976288	8396395	7956267	5.66	cps
Carbon	12-2	77127	77697	78873	77899	1.14	cps
Chlorine	35-1	1806211	1781634	1773702	1787183	0.95	cps
Chlorine	35-2	9230	9096	8913	9080	1.75	cps
Chromium	52-2	14875	15725	15725	15442	3.18	cps
Cobalt	59-2	520	520	613	551	9.78	cps
Copper	63-2	15889	15348	15258	15499	2.20	cps
Dysprosium	156-1	207	130	170	169	22.71	cps
Dysprosium	156-2	37	33	50	40	22.05	cps
Erbium	164-1	543	523	463	510	8.16	cps
Erbium	164-2	177	253	173	201	22.50	cps
Gadolinium	160-1	1073	1157	1153	1128	4.18	cps
Gadolinium	160-2	1210	1213	1073	1166	6.85	cps
Holmium	165-1	66839652	67806941	67022209	67222934	0.76	cps
Holmium	165-2	26912450	26050325	26123657	26362144	1.81	cps
Indium	115-1	51381766	51641571	52599687	51874342	1.24	cps
Indium	115-2	7270721	7125556	7217130	7204469	1.02	cps
Iron	54-2	8619	8386	7929	8311	4.23	cps
Iron	56-2	138960	136324	137007	137430	1.00	cps
Iron	57-2	3480	3414	3614	3503	2.91	cps
Krypton	83-1	340	370	337	349	5.26	cps
Lead	206-1	5351	5441	5304	5366	1.30	cps

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LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-01	Instrumnet Name :	P8
Client Sample ID :	MYD599	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:52:56	DataFile Name :	045AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	4801	4614	4521	4645	3.07	cps
Lead	208-1	21467	21000	20837	21101	1.55	cps
Lithium	6-1	25108088	24946212	25143405	25065902	0.42	cps
Magnesium	24-2	9040	8960	9003	9001	0.45	cps
Manganese	55-2	23339	23202	22975	23172	0.79	cps
Molybdenum	94-1	1890	1790	1973	1885	4.87	cps
Molybdenum	95-1	1320	1287	1237	1281	3.27	cps
Molybdenum	96-1	1587	1637	1630	1618	1.68	cps
Molybdenum	97-1	827	743	750	773	5.99	cps
Molybdenum	98-1	2170	2310	2187	2222	3.44	cps
Neodymium	150-1	113	97	120	110	10.92	cps
Neodymium	150-2	30	20	10	20	50.00	cps
Nickel	60-2	5975	5978	6368	6107	3.70	cps
Phosphorus	31-2	1237	1340	1190	1256	6.11	cps
Potassium	39-2	23963	23533	23670	23722	0.93	cps
Rhodium	103-1	49419476	48981986	48908419	49103294	0.56	cps
Rhodium	103-2	20576158	19890293	20035093	20167181	1.79	cps
Scandium	45-1	34713287	34702384	34641050	34685574	0.11	cps
Scandium	45-2	933852	931913	939648	935137	0.43	cps
Selenium	82-1	-60	-53	-17	-43	-53.86	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	17	33	30	27	33.06	cps
Silicon	28-1	1224919	1200787	1214891	1213532	1.00	cps
Silver	107-1	698	678	645	673	4.00	cps
Silver	109-1	283	260	247	263	7.05	cps
Sodium	23-2	123067	122670	122959	122898	0.17	cps
Strontium	86-1	3741	3721	3731	3731	0.27	cps
Strontium	88-1	29244	28977	29224	29148	0.51	cps
Sulfur	34-1	796447	796643	796431	796507	0.01	cps
Terbium	159-1	68765506	68907111	68443606	68705407	0.35	cps
Terbium	159-2	26820588	26488227	26110372	26473062	1.34	cps
Thallium	203-1	1700	1747	1507	1651	7.71	cps
Thallium	205-1	4371	4294	3637	4101	9.83	cps
Tin	118-1	14451	14787	13547	14262	4.50	cps
Titanium	47-1	1383	1437	1490	1437	3.71	cps
Uranium	238-1	220	243	173	212	16.79	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-01	Instrumnet Name :	P8
Client Sample ID :	MYD599	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:52:56	DataFile Name :	045AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	177	213	227	206	12.60	cps
Ytterbium	172-1	473	507	430	470	8.18	cps
Ytterbium	172-2	177	167	170	171	2.98	cps
Ytterbium	176-1	18002	17852	17522	17792	1.38	cps
Ytterbium	176-2	90796	91927	90564	91096	0.80	cps
Yttrium	89-1	76527324	76984624	76484876	76665608	0.36	cps
Yttrium	89-2	7418052	7239853	7363769	7340558	1.24	cps
Zinc	66-2	5488	5708	5631	5609	1.99	cps
Zirconium	90-1	4141	4044	4307	4164	3.20	cps
Zirconium	91-1	660	643	720	674	5.98	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	CCV002	Instrumnet Name :	P8
Client Sample ID :	CCV002	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:56:14	DataFile Name :	046CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	15039563	14991114	15013213	15014630	0.16	cps
Antimony	121-1	16609706	16646774	16532102	16596194	0.35	cps
Arsenic	75-2	372124	369472	369668	370422	0.40	cps
Barium	135-1	24867242	24336105	24517400	24573582	1.10	cps
Barium	137-1	42970706	42514579	42554009	42679765	0.59	cps
Beryllium	9-1	5522811	5426967	5425575	5458451	1.02	cps
Bismuth	209-1	32414504	31978053	32031955	32141504	0.74	cps
Bismuth	209-2	14392900	13901890	13809739	14034843	2.23	cps
Bromine	81-1	22655	22311	21430	22132	2.86	cps
Cadmium	108-1	401884	394819	395418	397373	0.99	cps
Cadmium	106-1	594049	589412	583577	589013	0.89	cps
Cadmium	111-1	4356688	4263729	4324840	4315085	1.09	cps
Calcium	43-1	35201050	34953626	34690139	34948272	0.73	cps
Calcium	44-1	554605645	547297045	553810512	551904401	0.73	cps
Carbon	12-1	7384567	7339024	7319821	7347804	0.45	cps
Carbon	12-2	75928	75197	75097	75407	0.60	cps
Chlorine	35-1	1327974	1293682	1281289	1300981	1.86	cps
Chlorine	35-2	6922	7042	6868	6944	1.28	cps
Chromium	52-2	5287998	5271851	5303430	5287760	0.30	cps
Cobalt	59-2	9019076	9151157	9130691	9100308	0.78	cps
Copper	63-2	67990874	67508502	67063464	67520947	0.69	cps
Dysprosium	156-1	1754	1710	1730	1731	1.25	cps
Dysprosium	156-2	680	623	670	658	4.60	cps
Erbium	164-1	1157	1150	1157	1155	0.33	cps
Erbium	164-2	463	393	517	458	13.51	cps
Gadolinium	160-1	1753	1700	1653	1702	2.94	cps
Gadolinium	160-2	1403	1373	1370	1382	1.33	cps
Holmium	165-1	58697549	59526799	58682491	58968946	0.82	cps
Holmium	165-2	23282262	22755175	22992147	23009862	1.15	cps
Indium	115-1	41900447	41209115	42291379	41800314	1.31	cps
Indium	115-2	6095575	6047354	5881308	6008079	1.87	cps
Iron	54-2	58451232	58025386	58356939	58277852	0.38	cps
Iron	56-2	1074996117	1083346091	1067738357	1075360188	0.73	cps
Iron	57-2	26937530	27156548	26764565	26952881	0.73	cps
Krypton	83-1	377	410	433	407	7.00	cps
Lead	206-1	82141945	82205142	83313990	82553693	0.80	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	CCV002	Instrumnet Name :	P8
Client Sample ID :	CCV002	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:56:14	DataFile Name :	046CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	70392477	70276891	70347021	70338796	0.08	cps
Lead	208-1	325721253	324911163	326618102	325750173	0.26	cps
Lithium	6-1	21209106	20825103	20930887	20988365	0.95	cps
Magnesium	24-2	194383917	194472390	193268117	194041475	0.35	cps
Manganese	55-2	27245418	27490470	27425747	27387212	0.46	cps
Molybdenum	94-1	75299956	74579417	74292631	74724001	0.69	cps
Molybdenum	95-1	109841418	107998995	107511865	108450759	1.13	cps
Molybdenum	96-1	119411015	117893212	118260918	118521715	0.67	cps
Molybdenum	97-1	67716036	66643047	67334027	67231037	0.81	cps
Molybdenum	98-1	176342644	174060951	174884664	175096086	0.66	cps
Neodymium	150-1	3891	3704	3661	3752	3.26	cps
Neodymium	150-2	283	270	313	289	7.68	cps
Nickel	60-2	2441125	2424135	2429204	2431488	0.36	cps
Phosphorus	31-2	124192	124683	122444	123773	0.95	cps
Potassium	39-2	76002077	74087871	74243904	74777951	1.42	cps
Rhodium	103-1	36826691	36361349	36698263	36628768	0.66	cps
Rhodium	103-2	15669089	15477433	15152773	15433098	1.69	cps
Scandium	45-1	29265388	29143524	28810777	29073230	0.81	cps
Scandium	45-2	850421	830521	834570	838504	1.25	cps
Selenium	82-1	275107	270556	267590	271084	1.40	cps
Selenium	77-2	8119	8019	8273	8137	1.57	cps
Selenium	78-2	27313	27196	26685	27065	1.23	cps
Silicon	28-1	46519829	46351293	46482876	46451333	0.19	cps
Silver	107-1	24313904	24429017	24045400	24262774	0.81	cps
Silver	109-1	22563961	22015054	22480036	22353017	1.32	cps
Sodium	23-2	398707874	397094474	399396367	398399572	0.30	cps
Strontium	86-1	168616997	165563871	165942988	166707952	1.00	cps
Strontium	88-1	1463392885	1454362272	1451329578	1456361578	0.43	cps
Sulfur	34-1	2589514	2562199	2597364	2583025	0.71	cps
Terbium	159-1	60702164	59150594	59082857	59645205	1.54	cps
Terbium	159-2	23212373	23019777	22926053	23052734	0.63	cps
Thallium	203-1	20477078	20267937	20610538	20451851	0.84	cps
Thallium	205-1	48016149	47970959	48498058	48161722	0.61	cps
Tin	118-1	16556519	16954569	16669071	16726720	1.23	cps
Titanium	47-1	32410100	31923822	32040122	32124681	0.79	cps
Uranium	238-1	72095464	71548881	72398337	72014227	0.60	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	CCV002	Instrumnet Name :	P8
Client Sample ID :	CCV002	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:56:14	DataFile Name :	046CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	4197899	4147763	4230023	4191895	0.99	cps
Ytterbium	172-1	1493	1417	1293	1401	7.20	cps
Ytterbium	172-2	530	597	587	571	6.30	cps
Ytterbium	176-1	113755	112067	113058	112960	0.75	cps
Ytterbium	176-2	119582	118933	118674	119063	0.39	cps
Yttrium	89-1	66203397	64671422	65445687	65440169	1.17	cps
Yttrium	89-2	6780780	6657281	6589863	6675974	1.45	cps
Zinc	66-2	6773437	6742251	6712049	6742579	0.46	cps
Zirconium	90-1	36835677	36218495	36263861	36439344	0.94	cps
Zirconium	91-1	8037498	8075759	7920762	8011340	1.01	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	CCB002	Instrumnet Name :	P8
Client Sample ID :	CCB002	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:59:06	DataFile Name :	047CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2510	2427	2347	2428	3.36	cps
Antimony	121-1	5078	7022	9974	7358	33.51	cps
Arsenic	75-2	20	30	10	20	50.00	cps
Barium	135-1	610	583	533	576	6.76	cps
Barium	137-1	1133	713	660	836	31.03	cps
Beryllium	9-1	837	739	709	762	8.84	cps
Bismuth	209-1	42361046	42726121	42356711	42481293	0.50	cps
Bismuth	209-2	19228715	18671848	18928589	18943051	1.47	cps
Bromine	81-1	25156	24722	24932	24937	0.87	cps
Cadmium	108-1	93	147	153	131	25.09	cps
Cadmium	106-1	44040	43144	43168	43451	1.18	cps
Cadmium	111-1	2383	2235	2214	2277	4.05	cps
Calcium	43-1	1860	1623	1473	1652	11.80	cps
Calcium	44-1	33263	31426	27846	30845	8.93	cps
Carbon	12-1	6179517	6086805	6014378	6093567	1.36	cps
Carbon	12-2	52935	52952	53086	52991	0.16	cps
Chlorine	35-1	1302612	1292558	1269443	1288205	1.32	cps
Chlorine	35-2	6605	6398	6522	6508	1.60	cps
Chromium	52-2	2444	2557	2300	2434	5.29	cps
Cobalt	59-2	307	343	343	331	6.39	cps
Copper	63-2	16750	16126	16203	16360	2.08	cps
Dysprosium	156-1	77	87	153	106	39.48	cps
Dysprosium	156-2	27	33	27	29	13.31	cps
Erbium	164-1	513	493	463	490	5.14	cps
Erbium	164-2	180	157	163	167	7.21	cps
Gadolinium	160-1	1070	1023	920	1004	7.64	cps
Gadolinium	160-2	1120	1143	1007	1090	6.71	cps
Holmium	165-1	67123731	66397107	65839147	66453328	0.97	cps
Holmium	165-2	26464957	26039445	26289883	26264762	0.81	cps
Indium	115-1	52192523	52345555	50484362	51674147	2.00	cps
Indium	115-2	7431120	7276357	7102892	7270123	2.26	cps
Iron	54-2	2160	1940	2060	2054	5.37	cps
Iron	56-2	24235	25638	25053	24975	2.82	cps
Iron	57-2	723	700	607	677	9.12	cps
Krypton	83-1	283	273	287	281	2.47	cps
Lead	206-1	4828	4311	3837	4325	11.45	cps

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	CCB002	Instrumnet Name :	P8
Client Sample ID :	CCB002	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:59:06	DataFile Name :	047CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	5045	3711	2997	3917	26.53	cps
Lead	208-1	21083	16651	14847	17527	18.31	cps
Lithium	6-1	24455444	24605874	24693963	24585094	0.49	cps
Magnesium	24-2	2280	1840	1924	2015	11.60	cps
Manganese	55-2	930	917	873	907	3.27	cps
Molybdenum	94-1	5458	4788	4991	5079	6.77	cps
Molybdenum	95-1	4561	3831	4664	4352	10.44	cps
Molybdenum	96-1	4864	4751	5198	4938	4.71	cps
Molybdenum	97-1	2454	2357	2657	2489	6.15	cps
Molybdenum	98-1	7720	6212	6578	6837	11.51	cps
Neodymium	150-1	40	33	33	36	10.83	cps
Neodymium	150-2	17	7	10	11	45.82	cps
Nickel	60-2	650	710	623	661	6.72	cps
Phosphorus	31-2	1083	1137	1163	1128	3.61	cps
Potassium	39-2	23232	23242	22327	22934	2.29	cps
Rhodium	103-1	49099919	48304034	47651814	48351923	1.50	cps
Rhodium	103-2	20549641	20124463	20149474	20274526	1.18	cps
Scandium	45-1	33968530	34161272	33506792	33878865	0.99	cps
Scandium	45-2	934930	928974	909328	924410	1.45	cps
Selenium	82-1	30	40	13	28	48.48	cps
Selenium	77-2	0	3	0	1	173.21	cps
Selenium	78-2	23	23	23	23	0.00	cps
Silicon	28-1	1046211	1031221	989374	1022269	2.88	cps
Silver	107-1	1833	1676	1397	1635	13.48	cps
Silver	109-1	1433	1013	970	1139	22.47	cps
Sodium	23-2	58264	57069	53538	56290	4.37	cps
Strontium	86-1	3914	2737	2104	2918	31.48	cps
Strontium	88-1	31540	18805	14623	21656	40.69	cps
Sulfur	34-1	744218	751155	745047	746807	0.51	cps
Terbium	159-1	69376506	69019381	68527707	68974531	0.62	cps
Terbium	159-2	26397094	26650184	25984604	26343960	1.28	cps
Thallium	203-1	3854	3804	3594	3751	3.68	cps
Thallium	205-1	9834	8776	8079	8896	9.93	cps
Tin	118-1	9163	8996	8890	9016	1.53	cps
Titanium	47-1	1293	980	877	1050	20.66	cps
Uranium	238-1	1403	1010	1073	1162	18.17	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	CCB002	Instrumnet Name :	P8
Client Sample ID :	CCB002	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 18:59:06	DataFile Name :	047CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	60	70	43	58	23.32	cps
Ytterbium	172-1	383	390	483	419	13.35	cps
Ytterbium	172-2	207	223	190	207	8.07	cps
Ytterbium	176-1	17906	17679	17318	17634	1.68	cps
Ytterbium	176-2	89954	92799	91615	91456	1.56	cps
Yttrium	89-1	75874296	74041157	74727952	74881135	1.24	cps
Yttrium	89-2	7516583	7226902	7331458	7358314	1.99	cps
Zinc	66-2	3520	3497	3364	3460	2.44	cps
Zirconium	90-1	9100	9070	9173	9114	0.58	cps
Zirconium	91-1	1720	1593	1720	1678	4.36	cps

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On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-02	Instrumnet Name :	P8
Client Sample ID :	MYD5W7	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:02:25	DataFile Name :	048AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3490	3500	3444	3478	0.87	cps
Antimony	121-1	1140	1653	2554	1782	40.15	cps
Arsenic	75-2	13	30	33	26	41.94	cps
Barium	135-1	1400	1313	1493	1402	6.42	cps
Barium	137-1	2227	2544	2324	2365	6.86	cps
Beryllium	9-1	472	477	475	475	0.53	cps
Bismuth	209-1	42895666	42890766	42751959	42846130	0.19	cps
Bismuth	209-2	18705910	18259940	18683537	18549796	1.35	cps
Bromine	81-1	25300	25383	25226	25303	0.31	cps
Cadmium	108-1	93	100	123	106	14.93	cps
Cadmium	106-1	44441	44662	44047	44383	0.70	cps
Cadmium	111-1	2267	2226	2189	2228	1.74	cps
Calcium	43-1	3981	3961	3991	3977	0.38	cps
Calcium	44-1	70354	70988	69952	70431	0.74	cps
Carbon	12-1	7561244	8279302	8741110	8193885	7.26	cps
Carbon	12-2	81230	80579	82429	81413	1.15	cps
Chlorine	35-1	1394606	1411015	1378722	1394781	1.16	cps
Chlorine	35-2	7072	7222	7118	7137	1.08	cps
Chromium	52-2	9757	9463	9527	9582	1.61	cps
Cobalt	59-2	447	423	403	424	5.11	cps
Copper	63-2	16984	16853	17017	16951	0.51	cps
Dysprosium	156-1	133	177	203	171	20.65	cps
Dysprosium	156-2	37	50	47	44	15.61	cps
Erbium	164-1	450	543	550	514	10.87	cps
Erbium	164-2	213	243	190	216	12.40	cps
Gadolinium	160-1	1090	1123	1023	1079	4.72	cps
Gadolinium	160-2	1300	1103	1317	1240	9.57	cps
Holmium	165-1	67749689	69044894	67382334	68058972	1.28	cps
Holmium	165-2	26700506	26216385	26534336	26483742	0.93	cps
Indium	115-1	52784469	52274933	50942429	52000610	1.83	cps
Indium	115-2	7310266	7237685	7169519	7239156	0.97	cps
Iron	54-2	7906	8046	8059	8003	1.06	cps
Iron	56-2	131930	129693	130530	130717	0.86	cps
Iron	57-2	3380	3000	3217	3199	5.96	cps
Krypton	83-1	343	357	370	357	3.74	cps
Lead	206-1	4821	4728	4738	4762	1.08	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-02	Instrumnet Name :	P8
Client Sample ID :	MYD5W7	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:02:25	DataFile Name :	048AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	4251	4251	4201	4234	0.68	cps
Lead	208-1	19516	19022	18825	19121	1.86	cps
Lithium	6-1	25466060	24874608	25297319	25212662	1.21	cps
Magnesium	24-2	3270	3481	3197	3316	4.44	cps
Manganese	55-2	17484	16797	17447	17243	2.24	cps
Molybdenum	94-1	2150	2040	2250	2147	4.89	cps
Molybdenum	95-1	1383	1523	1650	1519	8.78	cps
Molybdenum	96-1	1900	1823	2024	1916	5.27	cps
Molybdenum	97-1	803	880	1033	906	12.93	cps
Molybdenum	98-1	2587	2477	2427	2497	3.28	cps
Neodymium	150-1	97	117	113	109	9.84	cps
Neodymium	150-2	47	27	13	29	58.08	cps
Nickel	60-2	3350	3337	3510	3399	2.84	cps
Phosphorus	31-2	1163	1257	1057	1159	8.64	cps
Potassium	39-2	27723	27730	28087	27847	0.75	cps
Rhodium	103-1	49396186	48461988	48190389	48682854	1.30	cps
Rhodium	103-2	20305406	20156266	20248190	20236621	0.37	cps
Scandium	45-1	34732979	34038914	34180189	34317361	1.07	cps
Scandium	45-2	929449	931559	927616	929541	0.21	cps
Selenium	82-1	-13	-37	-133	-61	-104.13	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	23	30	20	24	20.83	cps
Silicon	28-1	1143640	1144000	1133291	1140310	0.53	cps
Silver	107-1	780	833	707	773	8.22	cps
Silver	109-1	410	273	220	301	32.54	cps
Sodium	23-2	58192	57573	57546	57770	0.63	cps
Strontium	86-1	1504	1220	1500	1408	11.56	cps
Strontium	88-1	7232	6488	6722	6814	5.58	cps
Sulfur	34-1	780623	780978	785185	782262	0.32	cps
Terbium	159-1	68482972	69561317	68339904	68794731	0.97	cps
Terbium	159-2	26770240	26401710	26539815	26570589	0.70	cps
Thallium	203-1	2494	2227	2030	2250	10.34	cps
Thallium	205-1	5691	5391	4998	5360	6.49	cps
Tin	118-1	16187	15864	14474	15509	5.87	cps
Titanium	47-1	1857	1873	4880	2870	60.65	cps
Uranium	238-1	333	220	380	311	26.45	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-02	Instrumnet Name :	P8
Client Sample ID :	MYD5W7	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:02:25	DataFile Name :	048AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	160	210	210	193	14.93	cps
Ytterbium	172-1	447	450	433	443	1.99	cps
Ytterbium	172-2	203	197	167	189	10.34	cps
Ytterbium	176-1	18320	18002	17285	17869	2.97	cps
Ytterbium	176-2	90608	92414	92803	91942	1.27	cps
Yttrium	89-1	74845407	75462791	75971447	75426548	0.75	cps
Yttrium	89-2	7510190	7386108	7397694	7431331	0.92	cps
Zinc	66-2	4904	5388	5164	5152	4.70	cps
Zirconium	90-1	5108	5101	5364	5191	2.89	cps
Zirconium	91-1	727	797	823	782	6.38	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-03	Instrumnet Name :	P8
Client Sample ID :	MYD5W8	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:05:41	DataFile Name :	049AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2600	2520	2434	2518	3.31	cps
Antimony	121-1	713	977	1197	962	25.15	cps
Arsenic	75-2	27	20	50	32	48.88	cps
Barium	135-1	1853	1883	1853	1863	0.93	cps
Barium	137-1	3404	3247	3200	3284	3.24	cps
Beryllium	9-1	417	397	417	411	2.81	cps
Bismuth	209-1	42313438	42010044	42116327	42146603	0.37	cps
Bismuth	209-2	18468072	18504518	18435863	18469485	0.19	cps
Bromine	81-1	24602	24668	24458	24576	0.44	cps
Cadmium	108-1	97	120	120	112	12.00	cps
Cadmium	106-1	44889	44201	43803	44298	1.24	cps
Cadmium	111-1	2293	2236	2206	2245	1.98	cps
Calcium	43-1	4687	4367	4331	4462	4.40	cps
Calcium	44-1	75983	74853	73607	74814	1.59	cps
Carbon	12-1	7884551	8319756	8589022	8264443	4.30	cps
Carbon	12-2	79523	77774	78994	78764	1.14	cps
Chlorine	35-1	1304721	1275129	1267543	1282464	1.53	cps
Chlorine	35-2	6635	6532	6715	6627	1.39	cps
Chromium	52-2	9910	9513	9323	9582	3.13	cps
Cobalt	59-2	627	657	637	640	2.39	cps
Copper	63-2	16203	15816	15639	15886	1.82	cps
Dysprosium	156-1	193	163	153	170	12.24	cps
Dysprosium	156-2	37	50	47	44	15.61	cps
Erbium	164-1	497	580	523	533	7.98	cps
Erbium	164-2	180	183	187	183	1.82	cps
Gadolinium	160-1	1100	1123	1100	1108	1.22	cps
Gadolinium	160-2	1210	1230	1133	1191	4.28	cps
Holmium	165-1	68201854	67038674	67246596	67495708	0.92	cps
Holmium	165-2	26474285	25729880	26040794	26081653	1.43	cps
Indium	115-1	51991831	51438854	51540204	51656963	0.57	cps
Indium	115-2	7207856	7171585	7199838	7193093	0.26	cps
Iron	54-2	8956	9223	9163	9114	1.54	cps
Iron	56-2	149083	147005	148888	148325	0.77	cps
Iron	57-2	3891	3664	3654	3736	3.58	cps
Krypton	83-1	343	227	297	289	20.33	cps
Lead	206-1	13964	14455	13414	13944	3.74	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-03	Instrumnet Name :	P8
Client Sample ID :	MYD5W8	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:05:41	DataFile Name :	049AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	12152	12169	11665	11996	2.39	cps
Lead	208-1	55981	55152	53387	54840	2.42	cps
Lithium	6-1	25453164	25128267	25416898	25332776	0.70	cps
Magnesium	24-2	4337	4187	4234	4253	1.81	cps
Manganese	55-2	17991	17231	17591	17604	2.16	cps
Molybdenum	94-1	1930	1950	2184	2021	6.97	cps
Molybdenum	95-1	1277	1190	1333	1267	5.70	cps
Molybdenum	96-1	1670	1677	1607	1651	2.34	cps
Molybdenum	97-1	887	877	873	879	0.79	cps
Molybdenum	98-1	2004	1790	2144	1979	8.99	cps
Neodymium	150-1	120	153	100	124	21.65	cps
Neodymium	150-2	43	27	43	38	25.46	cps
Nickel	60-2	4417	4297	4477	4397	2.08	cps
Phosphorus	31-2	1120	1037	1170	1109	6.07	cps
Potassium	39-2	30873	31100	30810	30928	0.49	cps
Rhodium	103-1	49186678	49290121	48190364	48889054	1.24	cps
Rhodium	103-2	20150244	20005863	20243377	20133162	0.59	cps
Scandium	45-1	34701286	34043706	34469894	34404962	0.97	cps
Scandium	45-2	930815	927973	932369	930386	0.24	cps
Selenium	82-1	-47	90	10	18	386.27	cps
Selenium	77-2	13	3	0	6	124.93	cps
Selenium	78-2	17	20	17	18	10.81	cps
Silicon	28-1	1184820	1194966	1191762	1190516	0.44	cps
Silver	107-1	725	665	725	705	4.90	cps
Silver	109-1	260	243	250	251	3.34	cps
Sodium	23-2	95097	94295	92729	94040	1.28	cps
Strontium	86-1	1573	1663	1373	1537	9.66	cps
Strontium	88-1	10848	10764	9887	10500	5.07	cps
Sulfur	34-1	789536	786795	785605	787312	0.26	cps
Terbium	159-1	69637557	69072722	68656524	69122268	0.71	cps
Terbium	159-2	26300285	26311563	26358954	26323601	0.12	cps
Thallium	203-1	1900	1723	1697	1773	6.23	cps
Thallium	205-1	4411	4131	3897	4146	6.20	cps
Tin	118-1	17450	16587	15983	16673	4.42	cps
Titanium	47-1	1797	1730	1920	1816	5.31	cps
Uranium	238-1	267	210	210	229	14.29	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-03	Instrumnet Name :	P8
Client Sample ID :	MYD5W8	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:05:41	DataFile Name :	049AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	193	210	187	197	6.11	cps
Ytterbium	172-1	477	437	400	438	8.76	cps
Ytterbium	172-2	180	197	193	190	4.64	cps
Ytterbium	176-1	18299	17655	17041	17665	3.56	cps
Ytterbium	176-2	89638	90625	92846	91036	1.81	cps
Yttrium	89-1	75847901	75201734	74118776	75056137	1.16	cps
Yttrium	89-2	7404519	7306089	7371010	7360539	0.68	cps
Zinc	66-2	5848	5705	5978	5843	2.34	cps
Zirconium	90-1	4988	4921	5354	5088	4.59	cps
Zirconium	91-1	700	787	930	806	14.42	cps

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On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-04	Instrumnet Name :	P8
Client Sample ID :	MYD5W9	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:08:59	DataFile Name :	050AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1867	1773	1830	1823	2.58	cps
Antimony	121-1	493	613	793	633	23.84	cps
Arsenic	75-2	13	17	10	13	25.01	cps
Barium	135-1	790	840	867	832	4.68	cps
Barium	137-1	1463	1463	1427	1451	1.46	cps
Beryllium	9-1	374	386	380	380	1.64	cps
Bismuth	209-1	42507533	42032209	42307651	42282464	0.56	cps
Bismuth	209-2	18771588	18879666	18758834	18803363	0.35	cps
Bromine	81-1	25179	25059	24732	24990	0.93	cps
Cadmium	108-1	97	180	117	131	33.18	cps
Cadmium	106-1	44722	44341	44388	44484	0.47	cps
Cadmium	111-1	2478	2424	2428	2444	1.24	cps
Calcium	43-1	5154	5348	5084	5195	2.63	cps
Calcium	44-1	87034	86679	86491	86735	0.32	cps
Carbon	12-1	8412666	9017413	9532404	8987495	6.24	cps
Carbon	12-2	88970	89577	90151	89566	0.66	cps
Chlorine	35-1	1295812	1300718	1295602	1297378	0.22	cps
Chlorine	35-2	6782	6715	6695	6731	0.67	cps
Chromium	52-2	11078	11288	11285	11217	1.07	cps
Cobalt	59-2	560	520	477	519	8.03	cps
Copper	63-2	17498	17474	17551	17508	0.22	cps
Dysprosium	156-1	150	140	143	144	3.52	cps
Dysprosium	156-2	37	30	13	27	45.08	cps
Erbium	164-1	540	500	450	497	9.08	cps
Erbium	164-2	213	183	183	193	8.96	cps
Gadolinium	160-1	1007	957	1030	998	3.76	cps
Gadolinium	160-2	1103	1137	1217	1152	5.06	cps
Holmium	165-1	66936311	65848656	67556582	66780516	1.29	cps
Holmium	165-2	25873071	26374409	26215129	26154203	0.98	cps
Indium	115-1	52863827	51159082	51079276	51700728	1.95	cps
Indium	115-2	7214588	7197810	7073812	7162070	1.07	cps
Iron	54-2	7422	7922	7549	7631	3.41	cps
Iron	56-2	124019	124914	124000	124311	0.42	cps
Iron	57-2	3227	3260	3210	3233	0.79	cps
Krypton	83-1	343	337	353	344	2.44	cps
Lead	206-1	8366	8236	8073	8225	1.79	cps

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-04	Instrumnet Name :	P8
Client Sample ID :	MYD5W9	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:08:59	DataFile Name :	050AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	6969	7189	7252	7136	2.08	cps
Lead	208-1	32499	33010	32479	32663	0.92	cps
Lithium	6-1	25159254	25536840	25044851	25246982	1.02	cps
Magnesium	24-2	3684	3937	3924	3848	3.71	cps
Manganese	55-2	28465	27971	27730	28055	1.34	cps
Molybdenum	94-1	1850	1860	2014	1908	4.80	cps
Molybdenum	95-1	1263	1320	1327	1303	2.67	cps
Molybdenum	96-1	1553	1527	1593	1558	2.15	cps
Molybdenum	97-1	683	740	787	737	7.02	cps
Molybdenum	98-1	2094	1974	1957	2008	3.71	cps
Neodymium	150-1	87	110	117	104	15.08	cps
Neodymium	150-2	30	17	40	29	40.51	cps
Nickel	60-2	6021	5865	5938	5941	1.32	cps
Phosphorus	31-2	1200	1237	1233	1223	1.66	cps
Potassium	39-2	25175	25499	24818	25164	1.35	cps
Rhodium	103-1	47594583	48618194	48773231	48328669	1.33	cps
Rhodium	103-2	20193091	20197782	20193179	20194684	0.01	cps
Scandium	45-1	34489571	34423862	34302336	34405256	0.28	cps
Scandium	45-2	943929	944381	943886	944066	0.03	cps
Selenium	82-1	-43	-10	-27	-27	-62.52	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	13	50	23	29	65.62	cps
Silicon	28-1	1119532	1153838	1130372	1134581	1.55	cps
Silver	107-1	659	689	679	675	2.24	cps
Silver	109-1	180	183	200	188	5.71	cps
Sodium	23-2	80272	78339	78922	79177	1.25	cps
Strontium	86-1	1743	1633	1477	1618	8.28	cps
Strontium	88-1	10868	10381	10367	10539	2.71	cps
Sulfur	34-1	801740	797891	797327	798986	0.30	cps
Terbium	159-1	69362757	67380389	68545419	68429522	1.46	cps
Terbium	159-2	26707465	26775623	25886554	26456547	1.87	cps
Thallium	203-1	1403	1333	1210	1316	7.44	cps
Thallium	205-1	3617	3300	3030	3316	8.86	cps
Tin	118-1	17471	17308	17651	17477	0.98	cps
Titanium	47-1	1653	1760	1777	1730	3.87	cps
Uranium	238-1	173	123	157	151	16.85	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-04	Instrumnet Name :	P8
Client Sample ID :	MYD5W9	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:08:59	DataFile Name :	050AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	183	173	167	174	4.81	cps
Ytterbium	172-1	450	460	447	452	1.53	cps
Ytterbium	172-2	173	167	167	169	2.28	cps
Ytterbium	176-1	17739	17528	17595	17621	0.61	cps
Ytterbium	176-2	93898	93975	92363	93412	0.97	cps
Yttrium	89-1	76389176	76097467	75449501	75978714	0.63	cps
Yttrium	89-2	7478446	7352316	7375887	7402216	0.91	cps
Zinc	66-2	5584	5781	5651	5672	1.76	cps
Zirconium	90-1	4401	4441	4784	4542	4.64	cps
Zirconium	91-1	747	743	780	757	2.68	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-05	Instrumnet Name :	P8
Client Sample ID :	MYD5Z1	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:12:16	DataFile Name :	051AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2100	1897	1957	1985	5.27	cps
Antimony	121-1	420	557	610	529	18.53	cps
Arsenic	75-2	23	27	23	24	7.89	cps
Barium	135-1	990	1017	1080	1029	4.49	cps
Barium	137-1	1550	1550	1673	1591	4.48	cps
Beryllium	9-1	336	299	399	345	14.66	cps
Bismuth	209-1	42677183	42807841	42980103	42821709	0.35	cps
Bismuth	209-2	18953110	19130197	18724872	18936060	1.07	cps
Bromine	81-1	25627	25340	25320	25429	0.68	cps
Cadmium	108-1	110	100	137	116	16.40	cps
Cadmium	106-1	45204	44983	44411	44866	0.91	cps
Cadmium	111-1	2230	2236	2165	2210	1.78	cps
Calcium	43-1	3861	3801	3674	3778	2.52	cps
Calcium	44-1	64993	64778	64815	64862	0.18	cps
Carbon	12-1	8318616	8878588	9199244	8798816	5.07	cps
Carbon	12-2	84796	84571	85346	84904	0.47	cps
Chlorine	35-1	1218807	1211359	1223234	1217800	0.49	cps
Chlorine	35-2	6301	6001	5948	6084	3.13	cps
Chromium	52-2	7189	7419	7329	7312	1.59	cps
Cobalt	59-2	443	360	467	423	13.25	cps
Copper	63-2	15976	15862	15212	15683	2.63	cps
Dysprosium	156-1	170	153	197	173	12.61	cps
Dysprosium	156-2	57	43	37	46	22.36	cps
Erbium	164-1	480	483	557	507	8.55	cps
Erbium	164-2	170	213	253	212	19.64	cps
Gadolinium	160-1	1133	1063	1070	1089	3.55	cps
Gadolinium	160-2	1280	1173	1140	1198	6.11	cps
Holmium	165-1	66690784	66534307	67274641	66833244	0.58	cps
Holmium	165-2	26815290	26709207	26604455	26709650	0.39	cps
Indium	115-1	51840496	52536152	52332420	52236356	0.68	cps
Indium	115-2	7258511	7425460	7212020	7298664	1.54	cps
Iron	54-2	7756	7242	7786	7594	4.02	cps
Iron	56-2	127090	127319	125790	126733	0.65	cps
Iron	57-2	3167	3257	3224	3216	1.42	cps
Krypton	83-1	340	347	343	343	0.97	cps
Lead	206-1	3857	3857	3824	3846	0.50	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-05	Instrumnet Name :	P8
Client Sample ID :	MYD5Z1	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:12:16	DataFile Name :	051AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	3324	3240	3147	3237	2.73	cps
Lead	208-1	15320	14900	14924	15048	1.57	cps
Lithium	6-1	25901177	25848195	25999053	25916142	0.30	cps
Magnesium	24-2	2840	2920	2857	2873	1.47	cps
Manganese	55-2	18399	18879	18622	18633	1.29	cps
Molybdenum	94-1	1543	1553	1550	1549	0.33	cps
Molybdenum	95-1	950	930	1067	982	7.52	cps
Molybdenum	96-1	1080	1210	1303	1198	9.36	cps
Molybdenum	97-1	540	577	590	569	4.55	cps
Molybdenum	98-1	1487	1523	1477	1496	1.64	cps
Neodymium	150-1	157	117	167	147	18.04	cps
Neodymium	150-2	37	53	27	39	34.63	cps
Nickel	60-2	2707	2530	2647	2628	3.42	cps
Phosphorus	31-2	1333	1170	1247	1250	6.54	cps
Potassium	39-2	24237	24508	24301	24348	0.58	cps
Rhodium	103-1	49350338	49725133	49019616	49365029	0.72	cps
Rhodium	103-2	20352262	20634984	20643053	20543433	0.81	cps
Scandium	45-1	34942122	34925744	34697101	34854989	0.39	cps
Scandium	45-2	957279	951401	953865	954182	0.31	cps
Selenium	82-1	33	-63	-53	-28	-191.36	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	23	17	20	20	16.65	cps
Silicon	28-1	1098246	1112044	1115551	1108614	0.83	cps
Silver	107-1	676	659	652	662	1.85	cps
Silver	109-1	163	193	213	190	13.24	cps
Sodium	23-2	54023	53976	54039	54013	0.06	cps
Strontium	86-1	963	850	987	933	7.83	cps
Strontium	88-1	5028	4437	4067	4511	10.74	cps
Sulfur	34-1	796062	797080	797039	796727	0.07	cps
Terbium	159-1	69239181	69242957	67407141	68629760	1.54	cps
Terbium	159-2	26714345	26922945	26271069	26636120	1.25	cps
Thallium	203-1	1340	1200	1040	1193	12.58	cps
Thallium	205-1	3024	2890	2677	2864	6.11	cps
Tin	118-1	14317	11782	12089	12729	10.87	cps
Titanium	47-1	1590	1613	1597	1600	0.75	cps
Uranium	238-1	183	127	117	142	25.28	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-05	Instrumnet Name :	P8
Client Sample ID :	MYD5Z1	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:12:16	DataFile Name :	051AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	157	183	200	180	12.14	cps
Ytterbium	172-1	453	423	477	451	5.93	cps
Ytterbium	172-2	210	200	200	203	2.84	cps
Ytterbium	176-1	18193	17482	17849	17841	1.99	cps
Ytterbium	176-2	93025	92353	96016	93798	2.08	cps
Yttrium	89-1	77394612	77276082	76780242	77150312	0.42	cps
Yttrium	89-2	7520244	7534793	7561328	7538789	0.28	cps
Zinc	66-2	9817	9867	9633	9772	1.26	cps
Zirconium	90-1	4247	3991	4291	4176	3.88	cps
Zirconium	91-1	637	613	683	644	5.53	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-12DLX4	Instrumnet Name :	P8
Client Sample ID :	MYD4P9	Dilution Factor :	4
Date & Time Acquired :	2024-10-02 19:15:34	DataFile Name :	052AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5057283	5028445	5115349	5067026	0.87	cps
Antimony	121-1	25337	24996	25537	25290	1.08	cps
Arsenic	75-2	35979	36641	35815	36145	1.21	cps
Barium	135-1	1135649	1150595	1138606	1141617	0.69	cps
Barium	137-1	2068866	2071981	2038837	2059895	0.89	cps
Beryllium	9-1	6301	6221	6272	6264	0.65	cps
Bismuth	209-1	42196288	42310757	41817433	42108159	0.61	cps
Bismuth	209-2	18389364	18391729	18605874	18462323	0.67	cps
Bromine	81-1	27758	28573	28142	28157	1.45	cps
Cadmium	108-1	837	970	1007	938	9.54	cps
Cadmium	106-1	47552	46411	46147	46703	1.60	cps
Cadmium	111-1	6423	6439	6337	6400	0.86	cps
Calcium	43-1	729474	721947	722606	724676	0.58	cps
Calcium	44-1	12342262	12318793	12123818	12261624	0.98	cps
Carbon	12-1	7920108	7713680	7525043	7719610	2.56	cps
Carbon	12-2	65847	64377	64695	64973	1.19	cps
Chlorine	35-1	68454099	71160821	72500984	70705301	2.92	cps
Chlorine	35-2	396993	393828	394502	395108	0.42	cps
Chromium	52-2	186913	188780	189113	188269	0.63	cps
Cobalt	59-2	240180	241817	239131	240376	0.56	cps
Copper	63-2	734473	731329	736141	733981	0.33	cps
Dysprosium	156-1	144532	146345	147258	146045	0.95	cps
Dysprosium	156-2	56957	56067	55675	56233	1.17	cps
Erbium	164-1	118603	118388	116343	117778	1.06	cps
Erbium	164-2	44889	45139	44641	44890	0.55	cps
Gadolinium	160-1	126880	127600	126695	127059	0.38	cps
Gadolinium	160-2	57825	57015	56968	57269	0.84	cps
Holmium	165-1	69048214	68268372	69214571	68843719	0.73	cps
Holmium	165-2	27136510	26901774	26858346	26965543	0.55	cps
Indium	115-1	51897021	52099325	52832359	52276235	0.94	cps
Indium	115-2	7241206	7231403	7237401	7236670	0.07	cps
Iron	54-2	18628943	18348869	18342894	18440236	0.89	cps
Iron	56-2	341023075	338262408	339513628	339599704	0.41	cps
Iron	57-2	8664407	8651984	8404192	8573527	1.71	cps
Krypton	83-1	543	530	513	529	2.84	cps
Lead	206-1	1030015	1030816	1022443	1027758	0.45	cps

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-12DLX4	Instrumnet Name :	P8
Client Sample ID :	MYD4P9	Dilution Factor :	4
Date & Time Acquired :	2024-10-02 19:15:34	DataFile Name :	052AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	938860	927265	931606	932577	0.63	cps
Lead	208-1	4297725	4258998	4225294	4260673	0.85	cps
Lithium	6-1	25447687	25563227	25588841	25533251	0.29	cps
Magnesium	24-2	4521034	4472554	4511424	4501671	0.57	cps
Manganese	55-2	2998162	2982363	2950245	2976923	0.82	cps
Molybdenum	94-1	100262	101477	99550	100429	0.97	cps
Molybdenum	95-1	8760	9106	9036	8967	2.05	cps
Molybdenum	96-1	27678	28529	28085	28097	1.52	cps
Molybdenum	97-1	5648	5528	5538	5571	1.20	cps
Molybdenum	98-1	14237	14294	14468	14333	0.84	cps
Neodymium	150-1	205100	203835	205114	204683	0.36	cps
Neodymium	150-2	61939	61266	60743	61316	0.98	cps
Nickel	60-2	75649	74145	74350	74715	1.09	cps
Phosphorus	31-2	11631	11655	11541	11609	0.52	cps
Potassium	39-2	943357	938955	935504	939272	0.42	cps
Rhodium	103-1	48530568	48161833	49082961	48591787	0.95	cps
Rhodium	103-2	19947492	20261878	20016138	20075169	0.82	cps
Scandium	45-1	35762717	35505838	35224264	35497606	0.76	cps
Scandium	45-2	961826	960906	971915	964882	0.63	cps
Selenium	82-1	340	307	347	331	6.47	cps
Selenium	77-2	257	240	230	242	5.56	cps
Selenium	78-2	320	227	267	271	17.27	cps
Silicon	28-1	36983990	36397271	36290329	36557197	1.02	cps
Silver	107-1	12170	12208	12298	12225	0.54	cps
Silver	109-1	9337	9393	9663	9464	1.85	cps
Sodium	23-2	147234	149059	149766	148686	0.88	cps
Strontium	86-1	367531	365494	369555	367527	0.55	cps
Strontium	88-1	3391061	3355467	3361374	3369301	0.57	cps
Sulfur	34-1	761897	750090	737540	749842	1.62	cps
Terbium	159-1	70501537	69696107	70427157	70208267	0.63	cps
Terbium	159-2	27322095	27014041	26795916	27044018	0.98	cps
Thallium	203-1	7882	7065	6422	7123	10.28	cps
Thallium	205-1	19441	17756	16771	17989	7.51	cps
Tin	118-1	41160	40115	40736	40670	1.29	cps
Titanium	47-1	3381706	3336476	3346178	3354787	0.71	cps
Uranium	238-1	50794	50995	50952	50914	0.21	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-12DLX4	Instrumnet Name :	P8
Client Sample ID :	MYD4P9	Dilution Factor :	4
Date & Time Acquired :	2024-10-02 19:15:34	DataFile Name :	052AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	623767	621264	621417	622150	0.23	cps
Ytterbium	172-1	37944	37824	37570	37779	0.51	cps
Ytterbium	172-2	17084	17986	17135	17402	2.91	cps
Ytterbium	176-1	42154	41849	41880	41961	0.40	cps
Ytterbium	176-2	104378	104933	107509	105607	1.58	cps
Yttrium	89-1	79332115	80379754	79141254	79617708	0.84	cps
Yttrium	89-2	7604675	7626365	7756390	7662477	1.07	cps
Zinc	66-2	181438	180321	181854	181204	0.44	cps
Zirconium	90-1	264831	267925	268600	267119	0.75	cps
Zirconium	91-1	58807	59235	59282	59108	0.44	cps

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-13DLX4	Instrumnet Name :	P8
Client Sample ID :	MYD4P9D	Dilution Factor :	4
Date & Time Acquired :	2024-10-02 19:18:42	DataFile Name :	053AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5119748	5075011	5111946	5102235	0.47	cps
Antimony	121-1	24990	25611	25821	25474	1.70	cps
Arsenic	75-2	36628	36922	37420	36990	1.08	cps
Barium	135-1	1154212	1155441	1175194	1161616	1.01	cps
Barium	137-1	2154948	2116559	2132536	2134681	0.90	cps
Beryllium	9-1	6349	6156	6343	6283	1.75	cps
Bismuth	209-1	42097523	42275775	43383603	42585634	1.64	cps
Bismuth	209-2	18940554	18260906	18943944	18715135	2.10	cps
Bromine	81-1	27841	28880	28870	28530	2.09	cps
Cadmium	108-1	960	833	937	910	7.41	cps
Cadmium	106-1	47732	46371	46919	47008	1.46	cps
Cadmium	111-1	6252	6573	6718	6514	3.66	cps
Calcium	43-1	745890	747568	745527	746328	0.15	cps
Calcium	44-1	12787795	12579351	12514980	12627375	1.13	cps
Carbon	12-1	7428185	7291970	7323339	7347831	0.97	cps
Carbon	12-2	64112	64347	63269	63909	0.89	cps
Chlorine	35-1	72850796	75321864	76125536	74766065	2.28	cps
Chlorine	35-2	412646	416469	413171	414095	0.50	cps
Chromium	52-2	192358	193456	191761	192525	0.45	cps
Cobalt	59-2	246548	245926	248897	247124	0.63	cps
Copper	63-2	750902	757059	755667	754542	0.43	cps
Dysprosium	156-1	145883	145266	150186	147112	1.82	cps
Dysprosium	156-2	56850	57905	57526	57427	0.93	cps
Erbium	164-1	121021	119427	120722	120390	0.70	cps
Erbium	164-2	46508	46906	47180	46864	0.72	cps
Gadolinium	160-1	127681	128061	129639	128461	0.81	cps
Gadolinium	160-2	57855	57908	57785	57849	0.11	cps
Holmium	165-1	69045164	68520966	69619574	69061901	0.80	cps
Holmium	165-2	27010553	27007155	27176576	27064761	0.36	cps
Indium	115-1	52498035	53071207	52398511	52655918	0.69	cps
Indium	115-2	7290391	7382116	7398645	7357051	0.79	cps
Iron	54-2	19159915	18815072	18845246	18940077	1.01	cps
Iron	56-2	345795075	350020661	345905848	347240528	0.69	cps
Iron	57-2	8796848	8545500	8798618	8713655	1.67	cps
Krypton	83-1	483	527	470	493	6.01	cps
Lead	206-1	1041889	1038169	1062352	1047470	1.24	cps

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-13DLX4	Instrumnet Name :	P8
Client Sample ID :	MYD4P9D	Dilution Factor :	4
Date & Time Acquired :	2024-10-02 19:18:42	DataFile Name :	053AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	940978	947105	964758	950947	1.30	cps
Lead	208-1	4322499	4292031	4415318	4343283	1.48	cps
Lithium	6-1	25553158	25151856	25322464	25342493	0.79	cps
Magnesium	24-2	4665938	4633491	4679090	4659506	0.50	cps
Manganese	55-2	3085972	3106621	3058924	3083839	0.78	cps
Molybdenum	94-1	101614	101722	103199	102178	0.87	cps
Molybdenum	95-1	9100	8923	9417	9146	2.73	cps
Molybdenum	96-1	28763	29418	29588	29256	1.49	cps
Molybdenum	97-1	5601	5788	5851	5747	2.26	cps
Molybdenum	98-1	14561	14971	14728	14753	1.40	cps
Neodymium	150-1	205603	209754	212800	209386	1.73	cps
Neodymium	150-2	62628	62746	62404	62593	0.28	cps
Nickel	60-2	76930	76933	76822	76895	0.08	cps
Phosphorus	31-2	11722	11588	11571	11627	0.71	cps
Potassium	39-2	959557	960277	963376	961070	0.21	cps
Rhodium	103-1	49456818	49054108	49148948	49219958	0.43	cps
Rhodium	103-2	20518626	20099871	20664529	20427676	1.43	cps
Scandium	45-1	35642131	35692473	35821704	35718769	0.26	cps
Scandium	45-2	984519	971005	977851	977792	0.69	cps
Selenium	82-1	387	213	390	330	30.62	cps
Selenium	77-2	347	280	283	303	12.38	cps
Selenium	78-2	273	253	240	256	6.56	cps
Silicon	28-1	37158616	37160362	41800024	38706334	6.92	cps
Silver	107-1	12289	12305	12519	12371	1.04	cps
Silver	109-1	9613	9864	9700	9726	1.31	cps
Sodium	23-2	149379	148439	147352	148390	0.68	cps
Strontium	86-1	374563	373007	378902	375491	0.81	cps
Strontium	88-1	3569219	3535893	3503519	3536211	0.93	cps
Sulfur	34-1	718131	712999	714582	715237	0.37	cps
Terbium	159-1	71210889	70222402	72038692	71157328	1.28	cps
Terbium	159-2	26878783	27105650	26811574	26932002	0.57	cps
Thallium	203-1	5768	5605	5301	5558	4.26	cps
Thallium	205-1	12723	13090	13297	13037	2.23	cps
Tin	118-1	33110	34286	33611	33669	1.75	cps
Titanium	47-1	3483055	3432465	3484633	3466718	0.86	cps
Uranium	238-1	52799	52006	52086	52297	0.83	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-13DLX4	Instrumnet Name :	P8
Client Sample ID :	MYD4P9D	Dilution Factor :	4
Date & Time Acquired :	2024-10-02 19:18:42	DataFile Name :	053AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	635016	633983	632628	633876	0.19	cps
Ytterbium	172-1	37710	38650	38248	38203	1.23	cps
Ytterbium	172-2	17909	17198	17435	17514	2.07	cps
Ytterbium	176-1	42113	40950	42104	41722	1.60	cps
Ytterbium	176-2	105128	106529	109277	106978	1.97	cps
Yttrium	89-1	80772782	80320209	80809347	80634113	0.34	cps
Yttrium	89-2	7712943	7756590	7770190	7746574	0.39	cps
Zinc	66-2	183866	185325	186051	185081	0.60	cps
Zirconium	90-1	271426	277788	273973	274396	1.17	cps
Zirconium	91-1	59376	59135	60879	59796	1.58	cps

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On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-12LDLX20	Instrumnet Name :	P8
Client Sample ID :	MYD4P9L	Dilution Factor :	20
Date & Time Acquired :	2024-10-02 19:21:52	DataFile Name :	054AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1011622	1002928	1001119	1005223	0.56	cps
Antimony	121-1	5291	5515	5585	5463	2.81	cps
Arsenic	75-2	7736	7652	7479	7622	1.72	cps
Barium	135-1	236806	235511	237193	236503	0.37	cps
Barium	137-1	411501	413460	416189	413716	0.57	cps
Beryllium	9-1	1519	1567	1472	1519	3.13	cps
Bismuth	209-1	43733231	43457049	43196818	43462366	0.62	cps
Bismuth	209-2	19461960	19271173	18967953	19233695	1.30	cps
Bromine	81-1	28833	27170	29284	28429	3.92	cps
Cadmium	108-1	313	227	230	257	19.13	cps
Cadmium	106-1	45515	45465	45368	45449	0.16	cps
Cadmium	111-1	3053	3101	3041	3065	1.04	cps
Calcium	43-1	155234	154327	155753	155105	0.47	cps
Calcium	44-1	2662930	2638756	2684369	2662018	0.86	cps
Carbon	12-1	6394848	6198770	6212291	6268636	1.75	cps
Carbon	12-2	54658	54062	54005	54242	0.67	cps
Chlorine	35-1	16642136	17052193	17192087	16962139	1.69	cps
Chlorine	35-2	91872	92033	90229	91378	1.09	cps
Chromium	52-2	41005	41249	40999	41084	0.35	cps
Cobalt	59-2	51182	50419	50439	50680	0.86	cps
Copper	63-2	166708	164631	165393	165578	0.63	cps
Dysprosium	156-1	29780	30221	30722	30241	1.56	cps
Dysprosium	156-2	11979	11312	11682	11657	2.87	cps
Erbium	164-1	24860	24546	24623	24676	0.66	cps
Erbium	164-2	9293	9403	9477	9391	0.98	cps
Gadolinium	160-1	26967	26907	26827	26901	0.26	cps
Gadolinium	160-2	12823	12933	12553	12770	1.53	cps
Holmium	165-1	71165957	71451474	70196264	70937898	0.93	cps
Holmium	165-2	27543755	27304935	27237292	27361994	0.59	cps
Indium	115-1	53945818	54387710	53519418	53950982	0.80	cps
Indium	115-2	7610177	7569920	7492784	7557627	0.79	cps
Iron	54-2	3932853	3963739	3836579	3911057	1.70	cps
Iron	56-2	71529157	70570717	70981632	71027169	0.68	cps
Iron	57-2	1821163	1810840	1824005	1818669	0.38	cps
Krypton	83-1	383	297	290	323	16.10	cps
Lead	206-1	217270	215463	218548	217094	0.71	cps

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-12LDLX20	Instrumnet Name :	P8
Client Sample ID :	MYD4P9L	Dilution Factor :	20
Date & Time Acquired :	2024-10-02 19:21:52	DataFile Name :	054AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	197452	196951	193977	196127	0.96	cps
Lead	208-1	883077	876177	873179	877478	0.58	cps
Lithium	6-1	26222068	25068973	25144021	25478354	2.53	cps
Magnesium	24-2	897116	902500	896803	898806	0.36	cps
Manganese	55-2	582451	586051	585942	584814	0.35	cps
Molybdenum	94-1	21590	21664	21286	21513	0.93	cps
Molybdenum	95-1	2237	2054	2214	2168	4.60	cps
Molybdenum	96-1	6542	6358	6355	6418	1.67	cps
Molybdenum	97-1	1310	1217	1280	1269	3.76	cps
Molybdenum	98-1	3160	3350	3447	3319	4.39	cps
Neodymium	150-1	42745	41976	42674	42465	1.00	cps
Neodymium	150-2	12686	12039	12743	12489	3.13	cps
Nickel	60-2	16810	16516	16750	16692	0.93	cps
Phosphorus	31-2	3300	3234	3327	3287	1.46	cps
Potassium	39-2	212172	211446	210398	211339	0.42	cps
Rhodium	103-1	51521986	50827414	50352916	50900772	1.16	cps
Rhodium	103-2	21006482	21184467	21069019	21086656	0.43	cps
Scandium	45-1	36349324	35477786	35704042	35843717	1.26	cps
Scandium	45-2	972110	974794	967793	971566	0.36	cps
Selenium	82-1	73	153	77	101	44.76	cps
Selenium	77-2	40	73	77	63	32.01	cps
Selenium	78-2	70	70	70	70	0.00	cps
Silicon	28-1	8294558	8258278	8238486	8263774	0.34	cps
Silver	107-1	3095	3079	2929	3034	3.03	cps
Silver	109-1	2024	2067	2127	2072	2.50	cps
Sodium	23-2	63176	62794	61957	62642	0.99	cps
Strontium	86-1	76324	77624	76575	76841	0.90	cps
Strontium	88-1	663248	657533	656915	659232	0.53	cps
Sulfur	34-1	716567	711163	710581	712771	0.46	cps
Terbium	159-1	73052386	72205559	71129506	72129150	1.34	cps
Terbium	159-2	27292405	27592575	27281802	27388927	0.64	cps
Thallium	203-1	2234	2007	2064	2101	5.61	cps
Thallium	205-1	5244	5188	5074	5169	1.68	cps
Tin	118-1	20278	20278	22400	20986	5.84	cps
Titanium	47-1	662471	655553	659934	659319	0.53	cps
Uranium	238-1	10988	10768	10875	10877	1.01	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-12LDLX20	Instrumnet Name :	P8
Client Sample ID :	MYD4P9L	Dilution Factor :	20
Date & Time Acquired :	2024-10-02 19:21:52	DataFile Name :	054AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	127048	128588	128433	128023	0.66	cps
Ytterbium	172-1	8033	7939	8373	8115	2.81	cps
Ytterbium	172-2	3577	3747	3697	3674	2.38	cps
Ytterbium	176-1	23181	22693	22342	22739	1.85	cps
Ytterbium	176-2	98864	98853	98295	98671	0.33	cps
Yttrium	89-1	81037324	78364487	79396257	79599356	1.69	cps
Yttrium	89-2	7777248	7868254	7660757	7768753	1.34	cps
Zinc	66-2	42286	42193	42774	42418	0.74	cps
Zirconium	90-1	58452	57772	57541	57922	0.82	cps
Zirconium	91-1	12606	12619	12406	12544	0.95	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-14DLX4	Instrumnet Name :	P8
Client Sample ID :	MYD4P9S	Dilution Factor :	4
Date & Time Acquired :	2024-10-02 19:25:05	DataFile Name :	055AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5562716	5466665	5479483	5502955	0.95	cps
Antimony	121-1	659946	663594	658417	660652	0.40	cps
Arsenic	75-2	44406	44831	44169	44469	0.75	cps
Barium	135-1	5092185	5036971	5086969	5072042	0.60	cps
Barium	137-1	8682993	8679938	8790475	8717802	0.72	cps
Beryllium	9-1	107691	105987	106506	106728	0.82	cps
Bismuth	209-1	42333256	43116859	41933708	42461274	1.42	cps
Bismuth	209-2	18418064	18195956	18291241	18301754	0.61	cps
Bromine	81-1	30316	28041	27784	28714	4.85	cps
Cadmium	108-1	6948	6905	6935	6930	0.32	cps
Cadmium	106-1	55959	54728	53490	54726	2.26	cps
Cadmium	111-1	94409	93915	93466	93930	0.50	cps
Calcium	43-1	797424	789776	787282	791494	0.67	cps
Calcium	44-1	13297191	13331929	13462561	13363894	0.65	cps
Carbon	12-1	7192593	7089036	7061012	7114214	0.97	cps
Carbon	12-2	62227	62565	61705	62166	0.70	cps
Chlorine	35-1	76677854	79408985	80500425	78862422	2.50	cps
Chlorine	35-2	432503	430245	431921	431556	0.27	cps
Chromium	52-2	578171	571426	571038	573545	0.70	cps
Cobalt	59-2	2067318	2092480	2077223	2079007	0.61	cps
Copper	63-2	1448843	1427766	1433138	1436582	0.76	cps
Dysprosium	156-1	160501	161297	161749	161182	0.39	cps
Dysprosium	156-2	61075	60744	61407	61075	0.54	cps
Erbium	164-1	129860	130297	130257	130138	0.19	cps
Erbium	164-2	48869	49231	48023	48708	1.27	cps
Gadolinium	160-1	139986	140090	140731	140269	0.29	cps
Gadolinium	160-2	61615	61029	62114	61586	0.88	cps
Holmium	165-1	70374704	68546552	68812597	69244618	1.43	cps
Holmium	165-2	26765934	26776092	26079455	26540493	1.50	cps
Indium	115-1	52900434	53298332	52117668	52772144	1.14	cps
Indium	115-2	7156632	7101524	7033206	7097121	0.87	cps
Iron	54-2	20254663	19939788	19954463	20049638	0.89	cps
Iron	56-2	365716008	364634421	368204901	366185110	0.50	cps
Iron	57-2	9344846	9254454	9269501	9289601	0.52	cps
Krypton	83-1	613	543	537	564	7.52	cps
Lead	206-1	1271411	1269061	1261008	1267160	0.43	cps

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-14DLX4	Instrumnet Name :	P8
Client Sample ID :	MYD4P9S	Dilution Factor :	4
Date & Time Acquired :	2024-10-02 19:25:05	DataFile Name :	055AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1126774	1140316	1137165	1134751	0.62	cps
Lead	208-1	5201377	5240485	5190310	5210724	0.51	cps
Lithium	6-1	25436898	25604501	25351292	25464230	0.51	cps
Magnesium	24-2	4915983	4783085	4856212	4851760	1.37	cps
Manganese	55-2	3690385	3662658	3730024	3694356	0.92	cps
Molybdenum	94-1	111079	109849	107535	109488	1.64	cps
Molybdenum	95-1	9964	9830	9353	9716	3.30	cps
Molybdenum	96-1	30911	31536	30641	31029	1.48	cps
Molybdenum	97-1	6061	6148	6225	6145	1.33	cps
Molybdenum	98-1	15192	15966	15355	15504	2.63	cps
Neodymium	150-1	229701	227718	228594	228671	0.43	cps
Neodymium	150-2	66688	66165	66815	66556	0.52	cps
Nickel	60-2	544852	543208	543462	543841	0.16	cps
Phosphorus	31-2	12576	12215	12392	12394	1.45	cps
Potassium	39-2	1008374	998932	1003699	1003668	0.47	cps
Rhodium	103-1	49579811	48590629	48272658	48814366	1.40	cps
Rhodium	103-2	20199515	19926261	19836244	19987340	0.95	cps
Scandium	45-1	35671002	35013979	35310237	35331739	0.93	cps
Scandium	45-2	955609	947996	943603	949069	0.64	cps
Selenium	82-1	12490	12202	12379	12357	1.17	cps
Selenium	77-2	627	643	570	613	6.27	cps
Selenium	78-2	1377	1400	1390	1389	0.84	cps
Silicon	28-1	39577953	39355664	39647149	39526922	0.39	cps
Silver	107-1	500061	503669	499234	500988	0.47	cps
Silver	109-1	471976	480189	478879	477014	0.93	cps
Sodium	23-2	144386	142467	141144	142666	1.14	cps
Strontium	86-1	405958	399739	400449	402049	0.85	cps
Strontium	88-1	3742320	3728118	3712115	3727518	0.41	cps
Sulfur	34-1	716718	714497	716286	715834	0.16	cps
Terbium	159-1	70905369	70428176	71046669	70793405	0.46	cps
Terbium	159-2	26517351	26525308	26299372	26447344	0.48	cps
Thallium	203-1	394677	398197	397385	396753	0.46	cps
Thallium	205-1	957623	964926	963799	962116	0.41	cps
Tin	118-1	34039	34828	34443	34437	1.15	cps
Titanium	47-1	3753781	3704963	3713465	3724070	0.70	cps
Uranium	238-1	55661	55899	56301	55954	0.58	cps

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-14DLX4	Instrumnet Name :	P8
Client Sample ID :	MYD4P9S	Dilution Factor :	4
Date & Time Acquired :	2024-10-02 19:25:05	DataFile Name :	055AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1467654	1451355	1472865	1463958	0.77	cps
Ytterbium	172-1	42157	41391	41201	41583	1.22	cps
Ytterbium	172-2	18586	18483	18800	18623	0.87	cps
Ytterbium	176-1	43980	43531	44204	43905	0.78	cps
Ytterbium	176-2	104798	106260	105669	105576	0.70	cps
Yttrium	89-1	80430322	79573610	78746469	79583467	1.06	cps
Yttrium	89-2	7601778	7563475	7476098	7547117	0.85	cps
Zinc	66-2	325264	323914	321296	323491	0.62	cps
Zirconium	90-1	293994	293861	290021	292625	0.77	cps
Zirconium	91-1	64612	63855	64107	64191	0.60	cps

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-12MSDLX4	Instrumnet Name :	P8
Client Sample ID :	MYD4P9SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-02 19:28:11	DataFile Name :	056AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5627171	5552991	5608515	5596225	0.69	cps
Antimony	121-1	3247484	3275685	3174981	3232716	1.61	cps
Arsenic	75-2	64369	63824	63037	63743	1.05	cps
Barium	135-1	18843558	19130586	18772460	18915535	1.00	cps
Barium	137-1	32929896	32745395	32488281	32721191	0.68	cps
Beryllium	9-1	482180	479925	477972	480026	0.44	cps
Bismuth	209-1	43287108	41742502	42434554	42488055	1.82	cps
Bismuth	209-2	18360251	18230077	18541418	18377248	0.85	cps
Bromine	81-1	28045	28092	28486	28207	0.86	cps
Cadmium	108-1	29689	29341	29645	29558	0.64	cps
Cadmium	106-1	87129	84986	85194	85770	1.38	cps
Cadmium	111-1	423739	421551	423404	422898	0.28	cps
Calcium	43-1	755621	753615	756212	755149	0.18	cps
Calcium	44-1	12950330	12954660	12753973	12886321	0.89	cps
Carbon	12-1	7054743	7007821	7037109	7033225	0.34	cps
Carbon	12-2	61230	60671	60601	60834	0.57	cps
Chlorine	35-1	74587869	76963204	77429136	76326736	2.00	cps
Chlorine	35-2	411861	410128	410417	410802	0.23	cps
Chromium	52-2	2116930	2074986	2113123	2101680	1.10	cps
Cobalt	59-2	8759573	8878009	8748786	8795456	0.82	cps
Copper	63-2	4025434	3936575	4019821	3993943	1.25	cps
Dysprosium	156-1	153965	152974	154909	153949	0.63	cps
Dysprosium	156-2	58979	58219	57905	58368	0.95	cps
Erbium	164-1	125287	125253	122202	124247	1.43	cps
Erbium	164-2	47414	47304	46123	46947	1.52	cps
Gadolinium	160-1	132999	134086	133487	133524	0.41	cps
Gadolinium	160-2	58862	58916	58223	58667	0.66	cps
Holmium	165-1	70410797	66771077	67631434	68271103	2.79	cps
Holmium	165-2	26423821	26306711	26216477	26315670	0.40	cps
Indium	115-1	53608288	52513062	51612956	52578102	1.90	cps
Indium	115-2	7243153	7154163	7093131	7163482	1.05	cps
Iron	54-2	19540652	19288724	19435155	19421510	0.65	cps
Iron	56-2	357211355	357520795	356349315	357027155	0.17	cps
Iron	57-2	9175118	8909753	8919200	9001357	1.67	cps
Krypton	83-1	533	513	603	550	8.59	cps
Lead	206-1	1813920	1768572	1796831	1793108	1.28	cps

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-12MSDLX4	Instrumnet Name :	P8
Client Sample ID :	MYD4P9SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-02 19:28:11	DataFile Name :	056AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1521012	1512964	1521254	1518410	0.31	cps
Lead	208-1	7118474	7053962	7088923	7087120	0.46	cps
Lithium	6-1	25504152	25232006	25253447	25329868	0.60	cps
Magnesium	24-2	4596328	4617471	4599183	4604327	0.25	cps
Manganese	55-2	5379651	5385513	5357233	5374132	0.28	cps
Molybdenum	94-1	105036	103986	104593	104538	0.50	cps
Molybdenum	95-1	9313	9437	9463	9404	0.85	cps
Molybdenum	96-1	30383	29755	30300	30146	1.13	cps
Molybdenum	97-1	5841	6125	5695	5887	3.71	cps
Molybdenum	98-1	15178	15589	15589	15452	1.53	cps
Neodymium	150-1	217951	219042	218552	218515	0.25	cps
Neodymium	150-2	65087	63158	62672	63639	2.01	cps
Nickel	60-2	2502389	2449395	2439498	2463761	1.37	cps
Phosphorus	31-2	11758	11855	11995	11869	1.00	cps
Potassium	39-2	959709	945655	947871	951078	0.79	cps
Rhodium	103-1	50141638	48380258	48525684	49015860	1.99	cps
Rhodium	103-2	20088757	20176884	19940001	20068547	0.60	cps
Scandium	45-1	36078354	34794113	35313444	35395304	1.83	cps
Scandium	45-2	938469	939832	940143	939481	0.09	cps
Selenium	82-1	57871	58219	57205	57765	0.89	cps
Selenium	77-2	1927	1943	1913	1928	0.78	cps
Selenium	78-2	5421	5581	5685	5562	2.39	cps
Silicon	28-1	37931022	38088768	38478765	38166185	0.74	cps
Silver	107-1	4721173	2102071	2085334	2969526	51.09	cps
Silver	109-1	1976640	1960079	2780518	2239079	20.94	cps
Sodium	23-2	141003	141094	139553	140550	0.62	cps
Strontium	86-1	384671	387038	382867	384859	0.54	cps
Strontium	88-1	3535576	3463686	3581551	3526938	1.68	cps
Sulfur	34-1	720294	719878	715327	718500	0.38	cps
Terbium	159-1	72767327	70259714	70102849	71043297	2.10	cps
Terbium	159-2	26712921	26764985	26600055	26692653	0.32	cps
Thallium	203-1	1973547	1961121	1965998	1966889	0.32	cps
Thallium	205-1	4658504	4667531	4710932	4678989	0.60	cps
Tin	118-1	50046	51571	58868	53495	8.81	cps
Titanium	47-1	3591092	3538798	3439933	3523274	2.18	cps
Uranium	238-1	53823	53515	53900	53746	0.38	cps

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2797-12MSDLX4	Instrumnet Name :	P8
Client Sample ID :	MYD4P9SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-02 19:28:11	DataFile Name :	056AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	4270678	4247309	4178625	4232204	1.13	cps
Ytterbium	172-1	39679	40007	39930	39872	0.43	cps
Ytterbium	172-2	17608	17869	17732	17736	0.73	cps
Ytterbium	176-1	43572	43227	42505	43101	1.26	cps
Ytterbium	176-2	102742	104721	104251	103905	0.99	cps
Yttrium	89-1	81140365	78545476	79322619	79669487	1.67	cps
Yttrium	89-2	7560978	7464230	7362587	7462598	1.33	cps
Zinc	66-2	814066	805793	808577	809479	0.52	cps
Zirconium	90-1	278229	279643	278493	278788	0.27	cps
Zirconium	91-1	61709	62211	62958	62293	1.01	cps

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	PB163715BL	Instrumnet Name :	P8
Client Sample ID :	PBS715	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:31:08	DataFile Name :	057CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	500	523	457	493	6.86	cps
Antimony	121-1	477	703	903	694	30.74	cps
Arsenic	75-2	3	7	13	8	65.47	cps
Barium	135-1	990	700	583	758	27.64	cps
Barium	137-1	1190	997	957	1048	11.91	cps
Beryllium	9-1	352	284	335	324	11.04	cps
Bismuth	209-1	44398904	42961223	42907004	43422377	1.95	cps
Bismuth	209-2	18919443	18665698	19129173	18904771	1.23	cps
Bromine	81-1	26151	27571	27995	27239	3.54	cps
Cadmium	108-1	127	117	127	123	4.68	cps
Cadmium	106-1	44983	43592	44311	44295	1.57	cps
Cadmium	111-1	2194	2148	2157	2166	1.12	cps
Calcium	43-1	1133	1207	1260	1200	5.30	cps
Calcium	44-1	25262	24842	24691	24932	1.19	cps
Carbon	12-1	5895054	5763490	5753711	5804085	1.36	cps
Carbon	12-2	50031	49660	49185	49626	0.85	cps
Chlorine	35-1	3367148	3072252	2828033	3089145	8.74	cps
Chlorine	35-2	12876	12202	11675	12251	4.91	cps
Chromium	52-2	2284	2194	2334	2270	3.13	cps
Cobalt	59-2	390	307	297	331	15.48	cps
Copper	63-2	12556	12502	12596	12551	0.37	cps
Dysprosium	156-1	107	127	120	118	8.65	cps
Dysprosium	156-2	30	30	33	31	6.18	cps
Erbium	164-1	503	403	393	433	14.04	cps
Erbium	164-2	230	177	187	198	14.33	cps
Gadolinium	160-1	920	1070	1027	1006	7.68	cps
Gadolinium	160-2	1173	1123	1210	1169	3.72	cps
Holmium	165-1	68516804	69655437	69158077	69110106	0.83	cps
Holmium	165-2	27201328	26851975	26869338	26974213	0.73	cps
Indium	115-1	52983601	53538108	52702487	53074732	0.80	cps
Indium	115-2	7279241	7229868	7257834	7255648	0.34	cps
Iron	54-2	1957	1797	1573	1776	10.84	cps
Iron	56-2	22664	21403	20618	21562	4.79	cps
Iron	57-2	543	667	577	596	10.71	cps
Krypton	83-1	313	340	317	323	4.49	cps
Lead	206-1	1593	1590	1627	1603	1.26	cps

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	PB163715BL	Instrumnet Name :	P8
Client Sample ID :	PBS715	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:31:08	DataFile Name :	057CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1287	1343	1300	1310	2.26	cps
Lead	208-1	6374	6091	5981	6148	3.30	cps
Lithium	6-1	25411827	25132210	24488581	25010872	1.89	cps
Magnesium	24-2	1870	1793	1733	1799	3.81	cps
Manganese	55-2	720	810	747	759	6.09	cps
Molybdenum	94-1	970	1047	1120	1046	7.17	cps
Molybdenum	95-1	230	243	267	247	7.52	cps
Molybdenum	96-1	427	490	550	489	12.62	cps
Molybdenum	97-1	153	140	177	157	11.85	cps
Molybdenum	98-1	323	387	353	354	8.94	cps
Neodymium	150-1	63	57	40	53	22.53	cps
Neodymium	150-2	10	20	20	17	34.64	cps
Nickel	60-2	780	720	703	734	5.49	cps
Phosphorus	31-2	983	1020	1087	1030	5.09	cps
Potassium	39-2	19216	18949	18829	18998	1.04	cps
Rhodium	103-1	50439706	50269689	49535074	50081490	0.96	cps
Rhodium	103-2	20853560	20497991	20488906	20613486	1.01	cps
Scandium	45-1	35009207	34800231	34620964	34810134	0.56	cps
Scandium	45-2	945197	931756	941387	939447	0.74	cps
Selenium	82-1	7	-47	0	-13	-217.97	cps
Selenium	77-2	3	0	0	1	173.21	cps
Selenium	78-2	43	33	30	36	19.51	cps
Silicon	28-1	889491	889165	896326	891661	0.45	cps
Silver	107-1	1281	1097	944	1107	15.23	cps
Silver	109-1	793	610	453	619	27.50	cps
Sodium	23-2	33542	33422	33211	33392	0.50	cps
Strontium	86-1	660	593	643	632	5.49	cps
Strontium	88-1	1553	1163	1170	1296	17.23	cps
Sulfur	34-1	706300	710599	715981	710960	0.68	cps
Terbium	159-1	71194232	70794152	71708701	71232362	0.64	cps
Terbium	159-2	26541020	26572135	26474888	26529347	0.19	cps
Thallium	203-1	1907	1787	1717	1803	5.33	cps
Thallium	205-1	4324	4177	4351	4284	2.18	cps
Tin	118-1	15375	14952	14568	14965	2.70	cps
Titanium	47-1	497	430	377	434	13.84	cps
Uranium	238-1	180	147	127	151	17.83	cps

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	PB163715BL	Instrumnet Name :	P8
Client Sample ID :	PBS715	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:31:08	DataFile Name :	057CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	90	43	63	66	35.72	cps
Ytterbium	172-1	420	447	460	442	4.61	cps
Ytterbium	172-2	207	197	200	201	2.53	cps
Ytterbium	176-1	18066	17432	17141	17546	2.69	cps
Ytterbium	176-2	91874	94733	95529	94045	2.04	cps
Yttrium	89-1	78208177	76313614	77435627	77319139	1.23	cps
Yttrium	89-2	7547578	7307105	7394032	7416238	1.64	cps
Zinc	66-2	3170	3184	3317	3224	2.52	cps
Zirconium	90-1	3867	3841	3964	3891	1.67	cps
Zirconium	91-1	617	543	740	633	15.69	cps

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	PB163715BS	Instrumnet Name :	P8
Client Sample ID :	LCS715	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:34:27	DataFile Name :	058LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	13099	12896	13146	13047	1.02	cps
Antimony	121-1	133060	134713	135268	134347	0.86	cps
Arsenic	75-2	1657	1630	1617	1635	1.25	cps
Barium	135-1	189214	189669	189617	189500	0.13	cps
Barium	137-1	332045	331832	334407	332761	0.43	cps
Beryllium	9-1	21583	21901	22071	21852	1.13	cps
Bismuth	209-1	41871277	42668624	43089281	42543061	1.45	cps
Bismuth	209-2	18989793	18945620	18832378	18922597	0.43	cps
Bromine	81-1	27564	27327	27193	27361	0.69	cps
Cadmium	108-1	1813	1903	1853	1857	2.43	cps
Cadmium	106-1	46137	45990	45983	46037	0.19	cps
Cadmium	111-1	21386	21863	21674	21641	1.11	cps
Calcium	43-1	125676	126581	128255	126837	1.03	cps
Calcium	44-1	2145255	2192461	2147977	2161898	1.23	cps
Carbon	12-1	6161776	6094470	6005731	6087326	1.29	cps
Carbon	12-2	52828	52824	53514	53055	0.75	cps
Chlorine	35-1	1915303	1854857	1800428	1856863	3.09	cps
Chlorine	35-2	9043	8609	8813	8822	2.46	cps
Chromium	52-2	46873	46903	46315	46697	0.71	cps
Cobalt	59-2	39368	38532	39558	39153	1.39	cps
Copper	63-2	76970	75865	75513	76116	1.00	cps
Dysprosium	156-1	240	213	220	224	6.18	cps
Dysprosium	156-2	70	47	60	59	19.88	cps
Erbium	164-1	643	463	483	530	18.61	cps
Erbium	164-2	237	230	180	216	14.37	cps
Gadolinium	160-1	967	1133	1073	1058	7.98	cps
Gadolinium	160-2	1280	1307	1217	1268	3.65	cps
Holmium	165-1	67314694	68099331	67083811	67499278	0.79	cps
Holmium	165-2	26909051	26803043	26970396	26894163	0.31	cps
Indium	115-1	51868638	52167738	52239077	52091818	0.38	cps
Indium	115-2	7323976	7444318	7350537	7372944	0.86	cps
Iron	54-2	195884	196147	194729	195586	0.39	cps
Iron	56-2	3808712	3812057	3805685	3808818	0.08	cps
Iron	57-2	91260	90243	88865	90122	1.33	cps
Krypton	83-1	247	333	357	312	18.56	cps
Lead	206-1	72947	71304	70684	71645	1.63	cps

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	PB163715BS	Instrumnet Name :	P8
Client Sample ID :	LCS715	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:34:27	DataFile Name :	058LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	62547	63515	63139	63067	0.77	cps
Lead	208-1	285805	289103	286418	287109	0.61	cps
Lithium	6-1	24889779	25122174	25677786	25229913	1.60	cps
Magnesium	24-2	816935	807300	818301	814179	0.74	cps
Manganese	55-2	13303	13486	14074	13621	2.96	cps
Molybdenum	94-1	160575	162737	162777	162030	0.78	cps
Molybdenum	95-1	194174	196822	196834	195943	0.78	cps
Molybdenum	96-1	217655	220794	218966	219138	0.72	cps
Molybdenum	97-1	120948	121452	122437	121612	0.62	cps
Molybdenum	98-1	310814	318924	315173	314970	1.29	cps
Neodymium	150-1	180	190	227	199	12.35	cps
Neodymium	150-2	40	40	70	50	34.64	cps
Nickel	60-2	11768	11505	11595	11623	1.15	cps
Phosphorus	31-2	983	1117	1070	1057	6.40	cps
Potassium	39-2	569578	569014	566753	568448	0.26	cps
Rhodium	103-1	49230699	49578956	49608139	49472598	0.42	cps
Rhodium	103-2	20300838	20368119	20589599	20419519	0.74	cps
Scandium	45-1	34341404	34392874	34453405	34395894	0.16	cps
Scandium	45-2	955387	940392	953529	949769	0.86	cps
Selenium	82-1	6238	5835	5881	5985	3.69	cps
Selenium	77-2	190	173	143	169	14.00	cps
Selenium	78-2	540	650	553	581	10.33	cps
Silicon	28-1	1508555	1501528	1510025	1506703	0.30	cps
Silver	107-1	104231	108608	106927	106589	2.07	cps
Silver	109-1	100913	101010	102374	101432	0.81	cps
Sodium	23-2	1623741	1610597	1627193	1620511	0.54	cps
Strontium	86-1	26465	27186	26695	26782	1.38	cps
Strontium	88-1	230247	231302	228117	229889	0.71	cps
Sulfur	34-1	764758	760831	763216	762935	0.26	cps
Terbium	159-1	70008511	69053022	69976291	69679275	0.78	cps
Terbium	159-2	26628686	27456807	26701462	26928985	1.70	cps
Thallium	203-1	85177	85462	86754	85798	0.98	cps
Thallium	205-1	207042	206332	205309	206228	0.42	cps
Tin	118-1	9757	9687	10364	9936	3.75	cps
Titanium	47-1	60219	60798	60621	60546	0.49	cps
Uranium	238-1	279280	278423	280668	279457	0.41	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	PB163715BS	Instrumnet Name :	P8
Client Sample ID :	LCS715	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:34:27	DataFile Name :	058LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	79422	77857	78433	78571	1.01	cps
Ytterbium	172-1	563	393	500	486	17.69	cps
Ytterbium	172-2	193	257	197	216	16.53	cps
Ytterbium	176-1	17675	17455	17608	17580	0.64	cps
Ytterbium	176-2	93273	93776	96741	94597	1.98	cps
Yttrium	89-1	77729206	76159999	77241749	77043651	1.04	cps
Yttrium	89-2	7582985	7504547	7584233	7557255	0.60	cps
Zinc	66-2	18536	18743	17718	18332	2.96	cps
Zirconium	90-1	143486	143405	142731	143207	0.29	cps
Zirconium	91-1	30420	31322	31639	31127	2.03	cps

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	PB163715BSD	Instrumnet Name :	P8
Client Sample ID :	LCSD715	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:37:41	DataFile Name :	059LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5494	5651	5685	5610	1.81	cps
Antimony	121-1	59616	60968	60219	60268	1.12	cps
Arsenic	75-2	710	670	693	691	2.91	cps
Barium	135-1	84468	85364	86108	85313	0.96	cps
Barium	137-1	147831	147881	147683	147798	0.07	cps
Beryllium	9-1	9751	10146	9971	9956	1.99	cps
Bismuth	209-1	42745746	43527429	42626619	42966598	1.14	cps
Bismuth	209-2	18721639	19150243	19013052	18961645	1.15	cps
Bromine	81-1	27821	26418	26151	26797	3.35	cps
Cadmium	108-1	877	977	820	891	8.90	cps
Cadmium	106-1	45612	45525	45308	45481	0.34	cps
Cadmium	111-1	10763	10636	10641	10680	0.68	cps
Calcium	43-1	57481	58308	57514	57768	0.81	cps
Calcium	44-1	913021	938387	923671	925026	1.38	cps
Carbon	12-1	6049316	5996621	5938202	5994713	0.93	cps
Carbon	12-2	53216	52684	52068	52656	1.09	cps
Chlorine	35-1	1340202	1321144	1286741	1316029	2.06	cps
Chlorine	35-2	6765	6401	6378	6515	3.33	cps
Chromium	52-2	22548	22354	22464	22456	0.43	cps
Cobalt	59-2	17678	17801	17594	17691	0.59	cps
Copper	63-2	39959	40347	40732	40346	0.96	cps
Dysprosium	156-1	113	120	127	120	5.55	cps
Dysprosium	156-2	40	17	17	24	55.10	cps
Erbium	164-1	483	573	490	516	9.73	cps
Erbium	164-2	160	173	203	179	12.41	cps
Gadolinium	160-1	997	1023	1020	1013	1.43	cps
Gadolinium	160-2	1157	1190	1227	1191	2.94	cps
Holmium	165-1	68800347	68153557	67676601	68210168	0.83	cps
Holmium	165-2	27381981	27287738	26718942	27129554	1.32	cps
Indium	115-1	53318699	52277988	53179150	52925279	1.07	cps
Indium	115-2	7520251	7303839	7336007	7386699	1.58	cps
Iron	54-2	86728	85065	85517	85770	1.00	cps
Iron	56-2	1675808	1656889	1666222	1666306	0.57	cps
Iron	57-2	39846	38789	39779	39471	1.50	cps
Krypton	83-1	293	403	297	331	18.90	cps
Lead	206-1	32705	32210	32584	32500	0.79	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	PB163715BSD	Instrumnet Name :	P8
Client Sample ID :	LCSD715	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:37:41	DataFile Name :	059LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	29096	28675	28371	28714	1.27	cps
Lead	208-1	129959	129385	128829	129391	0.44	cps
Lithium	6-1	25532980	25995777	25556894	25695217	1.01	cps
Magnesium	24-2	365003	366669	365765	365812	0.23	cps
Manganese	55-2	5344	5731	5321	5466	4.21	cps
Molybdenum	94-1	72679	72940	72753	72790	0.19	cps
Molybdenum	95-1	85789	88640	88057	87496	1.72	cps
Molybdenum	96-1	97016	96757	98281	97352	0.84	cps
Molybdenum	97-1	54259	54168	53780	54069	0.47	cps
Molybdenum	98-1	139954	141298	141295	140849	0.55	cps
Neodymium	150-1	60	70	70	67	8.66	cps
Neodymium	150-2	17	10	7	11	45.82	cps
Nickel	60-2	5795	5688	5488	5657	2.75	cps
Phosphorus	31-2	987	1103	1127	1072	7.00	cps
Potassium	39-2	264856	265453	267129	265813	0.44	cps
Rhodium	103-1	49796598	49364484	49999568	49720216	0.65	cps
Rhodium	103-2	20648496	20770981	20630241	20683239	0.37	cps
Scandium	45-1	34767138	35183648	34820132	34923639	0.65	cps
Scandium	45-2	961098	963370	955155	959874	0.44	cps
Selenium	82-1	2690	2610	2870	2724	4.89	cps
Selenium	77-2	90	87	87	88	2.19	cps
Selenium	78-2	237	240	290	256	11.69	cps
Silicon	28-1	1161652	1166351	1143976	1157326	1.02	cps
Silver	107-1	47194	48251	47375	47607	1.19	cps
Silver	109-1	44328	45538	45455	45107	1.50	cps
Sodium	23-2	697246	696013	695221	696160	0.15	cps
Strontium	86-1	12396	11872	11855	12041	2.55	cps
Strontium	88-1	101028	101029	102173	101410	0.65	cps
Sulfur	34-1	769487	772055	774936	772159	0.35	cps
Terbium	159-1	70472244	71170876	70686192	70776437	0.51	cps
Terbium	159-2	26792157	26903930	27015428	26903838	0.41	cps
Thallium	203-1	38547	38520	38791	38620	0.39	cps
Thallium	205-1	91926	92634	93212	92591	0.70	cps
Tin	118-1	17267	13033	12536	14279	18.21	cps
Titanium	47-1	27012	27139	27603	27251	1.14	cps
Uranium	238-1	123338	124341	124341	124007	0.47	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	PB163715BSD	Instrumnet Name :	P8
Client Sample ID :	LCSD715	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:37:41	DataFile Name :	059LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	35240	35501	35240	35327	0.43	cps
Ytterbium	172-1	437	433	427	432	1.18	cps
Ytterbium	172-2	193	197	177	189	5.67	cps
Ytterbium	176-1	17719	17849	17231	17600	1.85	cps
Ytterbium	176-2	93206	94871	95418	94499	1.22	cps
Yttrium	89-1	77237779	78396909	77749431	77794706	0.75	cps
Yttrium	89-2	7575411	7554287	7657028	7595575	0.71	cps
Zinc	66-2	10004	9774	9843	9874	1.19	cps
Zirconium	90-1	65037	65767	65198	65334	0.59	cps
Zirconium	91-1	14304	14287	14104	14232	0.78	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-01	Instrumnet Name :	P8
Client Sample ID :	MYD4Y4	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:40:58	DataFile Name :	060AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	12469991	12429841	12315067	12404966	0.65	cps
Antimony	121-1	48961	50051	49734	49582	1.13	cps
Arsenic	75-2	66342	64919	65813	65691	1.10	cps
Barium	135-1	3557788	3609489	3579712	3582329	0.72	cps
Barium	137-1	6180376	6125738	6129699	6145271	0.50	cps
Beryllium	9-1	19624	19910	19430	19655	1.23	cps
Bismuth	209-1	40866804	41386022	40205298	40819375	1.45	cps
Bismuth	209-2	18190398	18041301	17183836	17805178	3.05	cps
Bromine	81-1	30774	31840	31061	31225	1.77	cps
Cadmium	108-1	2587	2614	2557	2586	1.10	cps
Cadmium	106-1	52787	52175	51730	52231	1.02	cps
Cadmium	111-1	8137	8585	8429	8384	2.71	cps
Calcium	43-1	2557617	2590429	2550075	2566040	0.84	cps
Calcium	44-1	41251584	40974071	40612545	40946067	0.78	cps
Carbon	12-1	9495881	9551112	9470392	9505795	0.43	cps
Carbon	12-2	83398	83793	82439	83210	0.84	cps
Chlorine	35-1	149709348	152318541	155808144	152612011	2.01	cps
Chlorine	35-2	836300	827442	824037	829260	0.76	cps
Chromium	52-2	566254	568111	566741	567035	0.17	cps
Cobalt	59-2	710052	719054	712710	713939	0.65	cps
Copper	63-2	1294141	1301898	1284585	1293541	0.67	cps
Dysprosium	156-1	509466	512713	510243	510807	0.33	cps
Dysprosium	156-2	192652	190329	191489	191490	0.61	cps
Erbium	164-1	384109	389856	384020	385995	0.87	cps
Erbium	164-2	145227	146126	144870	145408	0.45	cps
Gadolinium	160-1	423568	429043	419999	424203	1.07	cps
Gadolinium	160-2	185204	188172	184376	185917	1.07	cps
Holmium	165-1	67428454	68389291	66671644	67496463	1.28	cps
Holmium	165-2	25790374	26077182	26401563	26089706	1.17	cps
Indium	115-1	51724932	50962558	50534634	51074041	1.18	cps
Indium	115-2	6938275	6886917	6864512	6896568	0.55	cps
Iron	54-2	45178613	45516278	44954893	45216594	0.63	cps
Iron	56-2	842346974	840830147	834375108	839184076	0.50	cps
Iron	57-2	20966120	21221830	21199783	21129244	0.67	cps
Krypton	83-1	863	977	1067	969	10.52	cps
Lead	206-1	1879295	1898613	1903351	1893753	0.67	cps

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-01	Instrumnet Name :	P8
Client Sample ID :	MYD4Y4	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:40:58	DataFile Name :	060AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1560597	1570193	1575556	1568782	0.48	cps
Lead	208-1	7293927	7459497	7363916	7372447	1.13	cps
Lithium	6-1	25937809	24694307	24987112	25206409	2.58	cps
Magnesium	24-2	12053791	12037479	11927596	12006289	0.57	cps
Manganese	55-2	9404527	9495907	9431875	9444103	0.50	cps
Molybdenum	94-1	414463	416745	414077	415095	0.35	cps
Molybdenum	95-1	26439	26752	26913	26701	0.90	cps
Molybdenum	96-1	100091	101833	103324	101749	1.59	cps
Molybdenum	97-1	16463	16210	16490	16388	0.94	cps
Molybdenum	98-1	42482	42478	42445	42468	0.05	cps
Neodymium	150-1	710928	710858	714896	712227	0.32	cps
Neodymium	150-2	211390	210603	209768	210587	0.39	cps
Nickel	60-2	253151	254567	251212	252977	0.67	cps
Phosphorus	31-2	33084	32339	32282	32569	1.37	cps
Potassium	39-2	5767752	5746297	5790360	5768136	0.38	cps
Rhodium	103-1	47402423	46524019	46818084	46914842	0.95	cps
Rhodium	103-2	19326212	19129691	19278815	19244906	0.53	cps
Scandium	45-1	36396470	35415355	35448985	35753604	1.56	cps
Scandium	45-2	953180	946701	942602	947494	0.56	cps
Selenium	82-1	810	747	753	770	4.52	cps
Selenium	77-2	837	933	890	887	5.46	cps
Selenium	78-2	750	720	773	748	3.58	cps
Silicon	28-1	150742751	151438628	147128564	149769981	1.54	cps
Silver	107-1	16372	16492	16511	16458	0.46	cps
Silver	109-1	10334	10471	10017	10274	2.27	cps
Sodium	23-2	331628	331726	328633	330662	0.53	cps
Strontium	86-1	974555	983742	984612	980970	0.57	cps
Strontium	88-1	9019685	9127153	9090774	9079204	0.60	cps
Sulfur	34-1	1026886	1006563	972027	1001825	2.77	cps
Terbium	159-1	70205941	70661847	67265142	69377643	2.66	cps
Terbium	159-2	26163512	26309500	26048875	26173962	0.50	cps
Thallium	203-1	16364	15856	15403	15874	3.03	cps
Thallium	205-1	39276	38159	37223	38219	2.69	cps
Tin	118-1	69033	69599	69807	69480	0.58	cps
Titanium	47-1	10118301	10179767	10166338	10154802	0.32	cps
Uranium	238-1	192070	194917	192100	193029	0.85	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-01	Instrumnet Name :	P8
Client Sample ID :	MYD4Y4	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:40:58	DataFile Name :	060AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1402454	1363743	1375794	1380664	1.43	cps
Ytterbium	172-1	120136	122463	120801	121134	0.99	cps
Ytterbium	172-2	55221	54538	54264	54674	0.90	cps
Ytterbium	176-1	98027	95982	94982	96330	1.61	cps
Ytterbium	176-2	125314	125759	126169	125747	0.34	cps
Yttrium	89-1	82641422	80758975	81287207	81562535	1.19	cps
Yttrium	89-2	7831382	7730055	7793145	7784861	0.66	cps
Zinc	66-2	381366	382379	379575	381107	0.37	cps
Zirconium	90-1	1106041	1110556	1113234	1109944	0.33	cps
Zirconium	91-1	246632	246141	246928	246567	0.16	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-02	Instrumnet Name :	P8
Client Sample ID :	MYD4Y4D	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:44:02	DataFile Name :	061AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	12238507	12176540	12290991	12235346	0.47	cps
Antimony	121-1	49228	49938	49466	49544	0.73	cps
Arsenic	75-2	65347	64346	62946	64213	1.88	cps
Barium	135-1	3647548	3642994	3542854	3611132	1.64	cps
Barium	137-1	6229899	6116750	6175580	6174076	0.92	cps
Beryllium	9-1	18856	18972	19115	18981	0.68	cps
Bismuth	209-1	40640304	41399632	40865726	40968554	0.95	cps
Bismuth	209-2	17528805	17682928	17597262	17602998	0.44	cps
Bromine	81-1	31028	31288	31830	31382	1.30	cps
Cadmium	108-1	2737	2580	2690	2669	3.01	cps
Cadmium	106-1	51258	52141	52024	51808	0.93	cps
Cadmium	111-1	7929	8096	7943	7990	1.16	cps
Calcium	43-1	2541302	2506787	2513729	2520606	0.72	cps
Calcium	44-1	40538146	40400107	39409525	40115926	1.53	cps
Carbon	12-1	9451057	9480675	9523096	9484943	0.38	cps
Carbon	12-2	82983	82007	82121	82370	0.65	cps
Chlorine	35-1	147479604	151248471	152347954	150358677	1.70	cps
Chlorine	35-2	813547	818522	813534	815201	0.35	cps
Chromium	52-2	570708	575549	576811	574356	0.56	cps
Cobalt	59-2	709649	709303	708903	709285	0.05	cps
Copper	63-2	1297953	1306723	1309147	1304608	0.45	cps
Dysprosium	156-1	511007	515921	512971	513299	0.48	cps
Dysprosium	156-2	189069	190359	191421	190283	0.62	cps
Erbium	164-1	382801	389152	390596	387517	1.07	cps
Erbium	164-2	147103	144525	145007	145545	0.94	cps
Gadolinium	160-1	418833	427545	428972	425117	1.29	cps
Gadolinium	160-2	187885	186275	184655	186272	0.87	cps
Holmium	165-1	69893862	67924192	67594957	68471004	1.82	cps
Holmium	165-2	26335804	26117655	25731948	26061802	1.17	cps
Indium	115-1	51110196	50908147	50821191	50946511	0.29	cps
Indium	115-2	6937141	6822014	6795993	6851716	1.10	cps
Iron	54-2	45673246	45357598	44788559	45273134	0.99	cps
Iron	56-2	833984148	819478414	835714708	829725757	1.07	cps
Iron	57-2	20830766	20641598	20650482	20707615	0.52	cps
Krypton	83-1	1007	987	977	990	1.54	cps
Lead	206-1	1834937	1899811	1832720	1855823	2.05	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-02	Instrumnet Name :	P8
Client Sample ID :	MYD4Y4D	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:44:02	DataFile Name :	061AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1543257	1584124	1555821	1561067	1.34	cps
Lead	208-1	7244795	7402564	7276177	7307845	1.14	cps
Lithium	6-1	25125543	24815627	24673378	24871516	0.93	cps
Magnesium	24-2	12070601	11864473	11927201	11954092	0.88	cps
Manganese	55-2	9504154	9427720	9557886	9496587	0.69	cps
Molybdenum	94-1	413889	412622	413695	413402	0.17	cps
Molybdenum	95-1	26034	26682	26399	26372	1.23	cps
Molybdenum	96-1	98802	102106	102145	101018	1.90	cps
Molybdenum	97-1	16019	16777	16800	16532	2.69	cps
Molybdenum	98-1	41428	41666	42117	41737	0.84	cps
Neodymium	150-1	707584	719058	726828	717824	1.35	cps
Neodymium	150-2	213621	214014	211204	212946	0.71	cps
Nickel	60-2	250952	250675	248497	250041	0.54	cps
Phosphorus	31-2	31915	31808	31611	31778	0.49	cps
Potassium	39-2	5702451	5753876	5633202	5696510	1.06	cps
Rhodium	103-1	46936073	47042884	47071838	47016932	0.15	cps
Rhodium	103-2	19307274	19187923	19095526	19196907	0.55	cps
Scandium	45-1	35792541	35192839	35223772	35403051	0.95	cps
Scandium	45-2	946940	943498	942558	944332	0.24	cps
Selenium	82-1	697	777	790	755	6.69	cps
Selenium	77-2	953	897	830	893	6.91	cps
Selenium	78-2	737	730	717	728	1.40	cps
Silicon	28-1	146564971	145680831	147073784	146439862	0.48	cps
Silver	107-1	16332	16247	16443	16341	0.60	cps
Silver	109-1	9934	9700	9867	9834	1.22	cps
Sodium	23-2	327034	326334	324241	325870	0.45	cps
Strontium	86-1	964544	966308	964705	965185	0.10	cps
Strontium	88-1	8860551	8938032	8967753	8922112	0.62	cps
Sulfur	34-1	974684	938263	957404	956784	1.90	cps
Terbium	159-1	70139207	69761291	69589577	69830025	0.40	cps
Terbium	159-2	26286398	26029240	25826132	26047257	0.89	cps
Thallium	203-1	15236	15549	15456	15414	1.04	cps
Thallium	205-1	35779	36571	35572	35974	1.47	cps
Tin	118-1	72356	73536	72159	72684	1.02	cps
Titanium	47-1	10047454	10176737	9891340	10038510	1.42	cps
Uranium	238-1	189897	192089	193546	191844	0.96	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-02	Instrumnet Name :	P8
Client Sample ID :	MYD4Y4D	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:44:02	DataFile Name :	061AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1370692	1365787	1372932	1369804	0.27	cps
Ytterbium	172-1	119975	122628	122138	121580	1.16	cps
Ytterbium	172-2	55610	54468	55017	55032	1.04	cps
Ytterbium	176-1	94901	96210	96039	95717	0.74	cps
Ytterbium	176-2	126031	126061	125711	125935	0.15	cps
Yttrium	89-1	81678622	81596395	81010277	81428432	0.45	cps
Yttrium	89-2	7761867	7725711	7680183	7722587	0.53	cps
Zinc	66-2	378047	376678	376939	377221	0.19	cps
Zirconium	90-1	1103961	1116672	1111142	1110591	0.57	cps
Zirconium	91-1	244207	244867	244903	244659	0.16	cps

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-01LX5	Instrumnet Name :	P8
Client Sample ID :	MYD4Y4L	Dilution Factor :	5
Date & Time Acquired :	2024-10-02 19:47:08	DataFile Name :	062AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2437796	2444199	2487510	2456502	1.10	cps
Antimony	121-1	9840	9567	9824	9744	1.57	cps
Arsenic	75-2	12846	13170	12756	12924	1.68	cps
Barium	135-1	662861	663771	661665	662766	0.16	cps
Barium	137-1	1156773	1170603	1152026	1159801	0.83	cps
Beryllium	9-1	4001	3953	3998	3984	0.68	cps
Bismuth	209-1	43855954	43068444	42249763	43058054	1.87	cps
Bismuth	209-2	18615395	18726055	18479800	18607083	0.66	cps
Bromine	81-1	27457	27517	27093	27356	0.84	cps
Cadmium	108-1	653	653	547	618	9.97	cps
Cadmium	106-1	44689	43913	44512	44371	0.92	cps
Cadmium	111-1	3161	3262	3460	3294	4.62	cps
Calcium	43-1	464167	466819	470189	467058	0.65	cps
Calcium	44-1	7826834	7932883	7904562	7888093	0.70	cps
Carbon	12-1	6683276	6633653	6531558	6616162	1.17	cps
Carbon	12-2	56220	55722	56679	56207	0.85	cps
Chlorine	35-1	32220332	32988360	33295422	32834705	1.69	cps
Chlorine	35-2	176836	174477	175048	175454	0.70	cps
Chromium	52-2	111514	111567	112599	111893	0.55	cps
Cobalt	59-2	139886	140560	141505	140650	0.58	cps
Copper	63-2	282820	283280	283523	283207	0.13	cps
Dysprosium	156-1	99343	99400	100579	99774	0.70	cps
Dysprosium	156-2	37660	37639	37730	37676	0.13	cps
Erbium	164-1	74671	76133	74866	75223	1.05	cps
Erbium	164-2	28223	29332	28724	28760	1.93	cps
Gadolinium	160-1	81960	82084	83445	82496	1.00	cps
Gadolinium	160-2	37620	36944	37606	37390	1.03	cps
Holmium	165-1	69255294	68376014	69029921	68887076	0.66	cps
Holmium	165-2	26913485	26877317	26821755	26870852	0.17	cps
Indium	115-1	52597537	52737701	52953701	52762980	0.34	cps
Indium	115-2	7211399	7154836	7124565	7163600	0.62	cps
Iron	54-2	8950025	8806415	9021070	8925837	1.23	cps
Iron	56-2	165804601	164283371	165622738	165236903	0.50	cps
Iron	57-2	4190308	4188972	4108027	4162436	1.13	cps
Krypton	83-1	423	457	447	442	3.87	cps
Lead	206-1	358762	356286	362221	359090	0.83	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-01LX5	Instrumnet Name :	P8
Client Sample ID :	MYD4Y4L	Dilution Factor :	5
Date & Time Acquired :	2024-10-02 19:47:08	DataFile Name :	062AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	310130	312906	311954	311663	0.45	cps
Lead	208-1	1415339	1414916	1414772	1415009	0.02	cps
Lithium	6-1	24860596	24559779	24553435	24657937	0.71	cps
Magnesium	24-2	2363708	2367787	2356495	2362663	0.24	cps
Manganese	55-2	1887522	1867557	1880757	1878612	0.54	cps
Molybdenum	94-1	82912	81021	81894	81942	1.16	cps
Molybdenum	95-1	5575	5558	5084	5406	5.15	cps
Molybdenum	96-1	20402	20398	20118	20306	0.80	cps
Molybdenum	97-1	3220	3427	3174	3274	4.12	cps
Molybdenum	98-1	8473	8900	8509	8627	2.74	cps
Neodymium	150-1	139036	139516	138897	139150	0.23	cps
Neodymium	150-2	41745	41584	41394	41574	0.42	cps
Nickel	60-2	53748	52697	52132	52859	1.55	cps
Phosphorus	31-2	7055	6408	7052	6838	5.45	cps
Potassium	39-2	1073433	1072701	1070017	1072050	0.17	cps
Rhodium	103-1	48876481	48145864	48648846	48557064	0.77	cps
Rhodium	103-2	20517225	20379093	20143716	20346678	0.93	cps
Scandium	45-1	35531129	34170269	34418559	34706652	2.09	cps
Scandium	45-2	936789	937159	930349	934766	0.41	cps
Selenium	82-1	230	193	157	193	18.97	cps
Selenium	77-2	210	247	193	217	12.59	cps
Selenium	78-2	150	130	177	152	15.38	cps
Silicon	28-1	29738573	29528540	29209151	29492088	0.90	cps
Silver	107-1	3653	3767	3577	3665	2.61	cps
Silver	109-1	2027	1913	2164	2035	6.15	cps
Sodium	23-2	91119	91418	90582	91039	0.47	cps
Strontium	86-1	192703	191790	190456	191649	0.59	cps
Strontium	88-1	1744594	1786176	1779196	1769989	1.26	cps
Sulfur	34-1	733829	727140	720488	727152	0.92	cps
Terbium	159-1	70842664	70212064	70823052	70625927	0.51	cps
Terbium	159-2	26590784	26777576	26673340	26680567	0.35	cps
Thallium	203-1	4004	3947	3867	3940	1.74	cps
Thallium	205-1	9927	9177	9627	9577	3.94	cps
Tin	118-1	25935	25841	26122	25966	0.55	cps
Titanium	47-1	1987705	2021572	2008491	2005923	0.85	cps
Uranium	238-1	37565	37990	37502	37686	0.70	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-01LX5	Instrumnet Name :	P8
Client Sample ID :	MYD4Y4L	Dilution Factor :	5
Date & Time Acquired :	2024-10-02 19:47:08	DataFile Name :	062AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	250427	249742	250237	250135	0.14	cps
Ytterbium	172-1	24028	24079	23494	23867	1.36	cps
Ytterbium	172-2	10971	11145	10915	11010	1.09	cps
Ytterbium	176-1	32577	32530	31384	32164	2.10	cps
Ytterbium	176-2	99249	101543	101278	100690	1.25	cps
Yttrium	89-1	77989789	78107129	78088721	78061879	0.08	cps
Yttrium	89-2	7649537	7467692	7431536	7516255	1.55	cps
Zinc	66-2	80255	80379	80071	80235	0.19	cps
Zirconium	90-1	218259	218315	218012	218195	0.07	cps
Zirconium	91-1	47982	47651	47802	47812	0.35	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-03	Instrumnet Name :	P8
Client Sample ID :	MYD4Y4S	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:50:18	DataFile Name :	063AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	12665482	12708456	12497807	12623915	0.88	cps
Antimony	121-1	2423402	2434368	2433107	2430292	0.25	cps
Arsenic	75-2	84917	84209	85531	84886	0.78	cps
Barium	135-1	16720997	16691166	16794031	16735398	0.32	cps
Barium	137-1	29106984	28654211	28320913	28694036	1.38	cps
Beryllium	9-1	367090	366397	362321	365269	0.71	cps
Bismuth	209-1	41438052	40909098	40627598	40991582	1.00	cps
Bismuth	209-2	17671062	17567774	17641593	17626810	0.30	cps
Bromine	81-1	31663	30994	30938	31198	1.29	cps
Cadmium	108-1	24054	24175	23657	23962	1.13	cps
Cadmium	106-1	81187	80309	79568	80355	1.01	cps
Cadmium	111-1	312642	313667	313225	313178	0.16	cps
Calcium	43-1	2537992	2503225	2521817	2521011	0.69	cps
Calcium	44-1	41357890	41047485	40192370	40865915	1.48	cps
Carbon	12-1	9056662	9152859	9175952	9128491	0.69	cps
Carbon	12-2	79684	80636	79252	79857	0.89	cps
Chlorine	35-1	148592114	151940894	153702138	151411716	1.71	cps
Chlorine	35-2	818947	817756	814221	816975	0.30	cps
Chromium	52-2	2066392	2018066	2020149	2034869	1.34	cps
Cobalt	59-2	7184728	7137833	7024054	7115538	1.16	cps
Copper	63-2	3733698	3783930	3673092	3730240	1.49	cps
Dysprosium	156-1	510699	515769	511452	512640	0.53	cps
Dysprosium	156-2	190800	191304	190683	190929	0.17	cps
Erbium	164-1	384225	390813	388165	387734	0.85	cps
Erbium	164-2	147289	146582	146643	146838	0.27	cps
Gadolinium	160-1	422412	428415	423740	424856	0.74	cps
Gadolinium	160-2	185380	187791	189206	187459	1.03	cps
Holmium	165-1	67215062	67851482	68383767	67816771	0.86	cps
Holmium	165-2	26188363	26184743	26057621	26143576	0.28	cps
Indium	115-1	50925152	50687594	51057967	50890238	0.37	cps
Indium	115-2	6982909	6936409	6917609	6945643	0.48	cps
Iron	54-2	45037364	45554009	45012593	45201322	0.68	cps
Iron	56-2	845244894	838693748	826072201	836670281	1.16	cps
Iron	57-2	20969193	21312381	21037151	21106242	0.86	cps
Krypton	83-1	897	1007	1030	978	7.28	cps
Lead	206-1	2403782	2373739	2379259	2385593	0.67	cps

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-03	Instrumnet Name :	P8
Client Sample ID :	MYD4Y4S	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:50:18	DataFile Name :	063AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	2071619	2038284	2055009	2054971	0.81	cps
Lead	208-1	9382650	9339700	9311348	9344566	0.38	cps
Lithium	6-1	25032675	24649090	24822921	24834895	0.77	cps
Magnesium	24-2	11879818	12027130	11823296	11910081	0.88	cps
Manganese	55-2	11319053	11078327	11086511	11161297	1.22	cps
Molybdenum	94-1	416716	416786	414740	416081	0.28	cps
Molybdenum	95-1	27257	26545	26342	26715	1.80	cps
Molybdenum	96-1	99933	102941	103371	102082	1.84	cps
Molybdenum	97-1	16707	16797	16323	16609	1.52	cps
Molybdenum	98-1	42321	43562	42428	42770	1.61	cps
Neodymium	150-1	721903	713744	716204	717284	0.58	cps
Neodymium	150-2	210451	211052	207635	209713	0.87	cps
Nickel	60-2	2006914	2065575	2007825	2026771	1.66	cps
Phosphorus	31-2	31952	31614	31140	31569	1.29	cps
Potassium	39-2	5756211	5620234	5645017	5673821	1.28	cps
Rhodium	103-1	47648458	47293909	46933204	47291857	0.76	cps
Rhodium	103-2	18897201	18911606	19102333	18970380	0.60	cps
Scandium	45-1	35838516	35723209	34960928	35507551	1.34	cps
Scandium	45-2	941183	934841	932150	936058	0.50	cps
Selenium	82-1	40203	40234	40374	40270	0.23	cps
Selenium	77-2	2104	2044	2007	2051	2.38	cps
Selenium	78-2	4234	4394	4377	4335	2.03	cps
Silicon	28-1	147123874	145190648	145608991	145974504	0.70	cps
Silver	107-1	1838631	1821248	1843411	1834430	0.64	cps
Silver	109-1	1693787	1735862	1724717	1718122	1.27	cps
Sodium	23-2	321843	323924	321866	322544	0.37	cps
Strontium	86-1	975801	980269	979402	978491	0.24	cps
Strontium	88-1	9004232	9080661	8896346	8993747	1.03	cps
Sulfur	34-1	946800	946722	947440	946987	0.04	cps
Terbium	159-1	69616992	69896977	69131802	69548591	0.56	cps
Terbium	159-2	25932540	26056119	25878598	25955752	0.35	cps
Thallium	203-1	1411311	1431325	1421617	1421417	0.70	cps
Thallium	205-1	3561442	3532805	3502749	3532332	0.83	cps
Tin	118-1	71033	72029	72459	71841	1.02	cps
Titanium	47-1	10120451	10183089	10010390	10104644	0.87	cps
Uranium	238-1	192066	194282	192997	193115	0.58	cps

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-03	Instrumnet Name :	P8
Client Sample ID :	MYD4Y4S	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:50:18	DataFile Name :	063AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	3996670	4018897	4047697	4021088	0.64	cps
Ytterbium	172-1	121579	122931	124206	122905	1.07	cps
Ytterbium	172-2	55164	55399	55188	55250	0.23	cps
Ytterbium	176-1	96623	95848	97369	96614	0.79	cps
Ytterbium	176-2	123915	124870	126301	125029	0.96	cps
Yttrium	89-1	83345634	80967609	80299629	81537624	1.96	cps
Yttrium	89-2	7748050	7659758	7627015	7678274	0.82	cps
Zinc	66-2	834593	831432	827655	831227	0.42	cps
Zirconium	90-1	1112052	1110395	1109393	1110613	0.12	cps
Zirconium	91-1	245914	247135	245834	246294	0.30	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-01MS	Instrumnet Name :	P8
Client Sample ID :	MYD4Y4SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:53:17	DataFile Name :	064AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	13363002	13261410	13037673	13220695	1.26	cps
Antimony	121-1	11144722	11137702	11063121	11115182	0.41	cps
Arsenic	75-2	153671	153155	155073	153966	0.64	cps
Barium	135-1	65315367	65991072	65332556	65546332	0.59	cps
Barium	137-1	114683112	113459512	113933765	114025463	0.54	cps
Beryllium	9-1	1782024	1755850	1754724	1764199	0.88	cps
Bismuth	209-1	40552272	40263210	40871609	40562364	0.75	cps
Bismuth	209-2	17316888	17397684	17349983	17354852	0.23	cps
Bromine	81-1	30807	30323	29621	30251	1.97	cps
Cadmium	108-1	103676	101598	103468	102914	1.11	cps
Cadmium	106-1	185000	183709	183885	184198	0.38	cps
Cadmium	111-1	1509047	1517845	1429996	1485629	3.26	cps
Calcium	43-1	2419219	2387818	2359435	2388824	1.25	cps
Calcium	44-1	38886899	38749681	37942677	38526419	1.32	cps
Carbon	12-1	9039573	9135118	9104542	9093078	0.54	cps
Carbon	12-2	79114	79470	79668	79417	0.35	cps
Chlorine	35-1	143164015	146094211	147649318	145635848	1.56	cps
Chlorine	35-2	783051	774683	768536	775423	0.94	cps
Chromium	52-2	7038636	7123083	7052156	7071292	0.64	cps
Cobalt	59-2	30419689	30129924	30056218	30201943	0.64	cps
Copper	63-2	12221386	12020820	12068429	12103545	0.87	cps
Dysprosium	156-1	486264	490557	481725	486182	0.91	cps
Dysprosium	156-2	179239	182086	179484	180270	0.88	cps
Erbium	164-1	372717	369598	374692	372336	0.69	cps
Erbium	164-2	139179	135805	137167	137384	1.24	cps
Gadolinium	160-1	403648	403445	408112	405068	0.65	cps
Gadolinium	160-2	176286	177417	175790	176497	0.47	cps
Holmium	165-1	67236542	66472116	66500474	66736377	0.65	cps
Holmium	165-2	25635120	24917646	25483339	25345369	1.49	cps
Indium	115-1	50489251	50027168	49519797	50012072	0.97	cps
Indium	115-2	6701688	6746658	6644979	6697775	0.76	cps
Iron	54-2	43762639	43871318	43772194	43802050	0.14	cps
Iron	56-2	814845161	806653855	803753641	808417552	0.71	cps
Iron	57-2	20470922	20345931	20140720	20319191	0.82	cps
Krypton	83-1	1023	947	933	968	5.02	cps
Lead	206-1	4083118	4207667	4087525	4126103	1.71	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-01MS	Instrumnet Name :	P8
Client Sample ID :	MYD4Y4SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:53:17	DataFile Name :	064AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	3514524	3516353	3480367	3503748	0.58	cps
Lead	208-1	15986952	16226245	16042908	16085368	0.78	cps
Lithium	6-1	24666700	24121271	23904433	24230801	1.62	cps
Magnesium	24-2	11364586	11053456	11140106	11186049	1.44	cps
Manganese	55-2	16850767	16983018	16982039	16938608	0.45	cps
Molybdenum	94-1	396451	396990	400987	398143	0.62	cps
Molybdenum	95-1	25861	25567	25827	25752	0.62	cps
Molybdenum	96-1	98292	97577	98009	97959	0.37	cps
Molybdenum	97-1	16129	15946	16163	16079	0.73	cps
Molybdenum	98-1	42669	41813	43187	42556	1.63	cps
Neodymium	150-1	694138	698282	693620	695346	0.37	cps
Neodymium	150-2	198091	201023	201965	200359	1.01	cps
Nickel	60-2	8217303	8290038	8183098	8230146	0.66	cps
Phosphorus	31-2	29410	30105	29199	29571	1.60	cps
Potassium	39-2	5449244	5364938	5314593	5376258	1.27	cps
Rhodium	103-1	46197393	45227988	45833778	45753053	1.07	cps
Rhodium	103-2	18822937	18559659	18889535	18757377	0.93	cps
Scandium	45-1	34862514	34242110	34486582	34530402	0.91	cps
Scandium	45-2	915868	912330	907888	912029	0.44	cps
Selenium	82-1	201434	201729	201217	201460	0.13	cps
Selenium	77-2	6131	6525	6001	6219	4.38	cps
Selenium	78-2	19494	18876	19237	19202	1.62	cps
Silicon	28-1	140506498	139770005	138206438	139494313	0.84	cps
Silver	107-1	8068117	7706670	8067896	7947561	2.62	cps
Silver	109-1	7028770	7305654	7374520	7236315	2.53	cps
Sodium	23-2	304592	305827	304261	304893	0.27	cps
Strontium	86-1	933228	926984	930151	930121	0.34	cps
Strontium	88-1	8711297	8711898	8634651	8685949	0.51	cps
Sulfur	34-1	930448	919309	890384	913381	2.26	cps
Terbium	159-1	69855092	69251297	68798094	69301495	0.77	cps
Terbium	159-2	25669578	25622898	25536656	25609711	0.26	cps
Thallium	203-1	6929853	6912418	6851806	6898026	0.59	cps
Thallium	205-1	16352155	16364644	16359100	16358633	0.04	cps
Tin	118-1	68176	66564	68311	67683	1.44	cps
Titanium	47-1	9601643	9604169	9606040	9603950	0.02	cps
Uranium	238-1	188764	186860	186716	187446	0.61	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-01MS	Instrumnet Name :	P8
Client Sample ID :	MYD4Y4SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:53:17	DataFile Name :	064AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	13663304	13651301	13491409	13602005	0.71	cps
Ytterbium	172-1	116026	117546	118959	117510	1.25	cps
Ytterbium	172-2	51704	51088	52159	51650	1.04	cps
Ytterbium	176-1	93226	91790	93689	92902	1.07	cps
Ytterbium	176-2	120975	120911	123077	121654	1.01	cps
Yttrium	89-1	80468030	79231489	79447847	79715789	0.83	cps
Yttrium	89-2	7399276	7369029	7436630	7401645	0.46	cps
Zinc	66-2	2640922	2618602	2609788	2623104	0.61	cps
Zirconium	90-1	1069139	1065458	1065833	1066810	0.19	cps
Zirconium	91-1	236647	234618	235834	235699	0.43	cps

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On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-04	Instrumnet Name :	P8
Client Sample ID :	MYD4Y8	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:56:09	DataFile Name :	065AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	12579614	12424394	12409518	12471175	0.76	cps
Antimony	121-1	63356	65084	65178	64539	1.59	cps
Arsenic	75-2	68217	67240	66181	67213	1.52	cps
Barium	135-1	3729061	3678991	3703963	3704005	0.68	cps
Barium	137-1	6255992	6373545	6341572	6323703	0.96	cps
Beryllium	9-1	16333	16387	16229	16317	0.49	cps
Bismuth	209-1	41140547	40774124	40776133	40896935	0.52	cps
Bismuth	209-2	17473672	17429716	17333563	17412317	0.41	cps
Bromine	81-1	31953	32789	32802	32515	1.50	cps
Cadmium	108-1	2267	2047	2280	2198	5.96	cps
Cadmium	106-1	49993	48391	47047	48477	3.04	cps
Cadmium	111-1	11784	12101	11964	11950	1.33	cps
Calcium	43-1	1939854	1963453	1954953	1952753	0.61	cps
Calcium	44-1	31808976	31599305	31552252	31653511	0.43	cps
Carbon	12-1	10455626	10498798	10527854	10494093	0.35	cps
Carbon	12-2	92763	90962	91465	91730	1.01	cps
Chlorine	35-1	279438883	281845782	283464589	281583085	0.72	cps
Chlorine	35-2	1623959	1584593	1596558	1601703	1.26	cps
Chromium	52-2	493097	483080	482153	486110	1.25	cps
Cobalt	59-2	656650	648769	649024	651481	0.69	cps
Copper	63-2	1993827	1916417	1930724	1946989	2.12	cps
Dysprosium	156-1	395149	396841	399548	397179	0.56	cps
Dysprosium	156-2	149246	148113	148550	148636	0.38	cps
Erbium	164-1	320716	323991	322679	322462	0.51	cps
Erbium	164-2	119155	118546	118324	118675	0.36	cps
Gadolinium	160-1	337824	341629	344325	341260	0.96	cps
Gadolinium	160-2	148769	147927	147874	148190	0.34	cps
Holmium	165-1	68975282	68289531	67845056	68369956	0.83	cps
Holmium	165-2	25879462	25533785	25386899	25600049	0.99	cps
Indium	115-1	51124555	50514973	50195807	50611778	0.93	cps
Indium	115-2	6711977	6793126	6675063	6726722	0.90	cps
Iron	54-2	46335308	45448908	46247084	46010433	1.06	cps
Iron	56-2	858299667	846510654	840327401	848379241	1.08	cps
Iron	57-2	21479261	21118532	21292813	21296868	0.85	cps
Krypton	83-1	850	757	927	844	10.08	cps
Lead	206-1	2255884	2270276	2267845	2264668	0.34	cps

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-04	Instrumnet Name :	P8
Client Sample ID :	MYD4Y8	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:56:09	DataFile Name :	065AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1969372	1998824	1982189	1983462	0.74	cps
Lead	208-1	8875818	8955732	9043387	8958312	0.94	cps
Lithium	6-1	25538155	24648035	24599509	24928567	2.12	cps
Magnesium	24-2	10753363	10638243	10578867	10656824	0.83	cps
Manganese	55-2	7889742	7872569	7785708	7849340	0.71	cps
Molybdenum	94-1	287110	287575	295563	290082	1.64	cps
Molybdenum	95-1	23226	23163	23263	23217	0.22	cps
Molybdenum	96-1	77702	76546	77156	77135	0.75	cps
Molybdenum	97-1	14501	14574	14124	14400	1.68	cps
Molybdenum	98-1	36434	36418	37019	36624	0.94	cps
Neodymium	150-1	559043	560362	560589	559998	0.15	cps
Neodymium	150-2	161878	164195	161357	162477	0.93	cps
Nickel	60-2	180205	176955	175015	177392	1.48	cps
Phosphorus	31-2	26872	25452	26180	26168	2.71	cps
Potassium	39-2	3270437	3205842	3175367	3217215	1.51	cps
Rhodium	103-1	46837239	45615523	45103453	45852072	1.94	cps
Rhodium	103-2	18890812	19237053	18774769	18967545	1.27	cps
Scandium	45-1	34859164	34548996	34493025	34633728	0.57	cps
Scandium	45-2	919778	915062	908152	914331	0.64	cps
Selenium	82-1	857	847	713	806	9.93	cps
Selenium	77-2	650	860	757	756	13.90	cps
Selenium	78-2	590	540	600	577	5.57	cps
Silicon	28-1	148014528	146480524	145719155	146738069	0.80	cps
Silver	107-1	29339	28859	28802	29000	1.02	cps
Silver	109-1	22502	21854	22428	22261	1.59	cps
Sodium	23-2	277081	274661	273139	274960	0.72	cps
Strontium	86-1	993524	996249	997924	995899	0.22	cps
Strontium	88-1	9272719	9149448	9128855	9183674	0.85	cps
Sulfur	34-1	727432	725143	714733	722436	0.94	cps
Terbium	159-1	69977357	68724746	69128481	69276861	0.92	cps
Terbium	159-2	26087415	25738667	25462804	25762962	1.21	cps
Thallium	203-1	13190	13153	13257	13200	0.40	cps
Thallium	205-1	32487	31819	32561	32289	1.27	cps
Tin	118-1	81397	82591	82912	82300	0.97	cps
Titanium	47-1	10528012	10661177	10570242	10586477	0.64	cps
Uranium	238-1	157773	157344	158640	157919	0.42	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-04	Instrumnet Name :	P8
Client Sample ID :	MYD4Y8	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:56:09	DataFile Name :	065AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1692965	1680429	1693286	1688893	0.43	cps
Ytterbium	172-1	100608	102100	102849	101852	1.12	cps
Ytterbium	172-2	44785	44892	44849	44842	0.12	cps
Ytterbium	176-1	81365	82153	82408	81976	0.66	cps
Ytterbium	176-2	115375	116327	115775	115826	0.41	cps
Yttrium	89-1	78500352	78505784	79305660	78770599	0.59	cps
Yttrium	89-2	7408348	7443455	7378201	7410001	0.44	cps
Zinc	66-2	384106	381642	378788	381512	0.70	cps
Zirconium	90-1	756000	762993	762843	760612	0.53	cps
Zirconium	91-1	167470	170576	171737	169928	1.30	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-05	Instrumnet Name :	P8
Client Sample ID :	MYD4Y9	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:59:13	DataFile Name :	066AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8521439	8514889	8466480	8500936	0.35	cps
Antimony	121-1	89118	90124	91336	90193	1.23	cps
Arsenic	75-2	75518	75286	75521	75442	0.18	cps
Barium	135-1	2297026	2322973	2281936	2300645	0.90	cps
Barium	137-1	3940061	3960523	3952601	3951062	0.26	cps
Beryllium	9-1	11522	11633	11497	11551	0.63	cps
Bismuth	209-1	41592946	41174238	41832487	41533224	0.80	cps
Bismuth	209-2	17520940	17630259	17748252	17633150	0.64	cps
Bromine	81-1	29681	29117	29418	29405	0.96	cps
Cadmium	108-1	2280	2247	1964	2164	8.04	cps
Cadmium	106-1	47127	47906	47839	47624	0.91	cps
Cadmium	111-1	15381	15394	16059	15611	2.48	cps
Calcium	43-1	1427076	1441635	1472022	1446911	1.58	cps
Calcium	44-1	23263130	23257250	23197068	23239149	0.16	cps
Carbon	12-1	9075435	9177191	9147763	9133463	0.57	cps
Carbon	12-2	79239	77922	78159	78440	0.89	cps
Chlorine	35-1	180464211	181785617	182726431	181658753	0.63	cps
Chlorine	35-2	957432	949556	939693	948894	0.94	cps
Chromium	52-2	332169	331408	330107	331228	0.31	cps
Cobalt	59-2	547248	545707	550284	547746	0.43	cps
Copper	63-2	2535357	2527329	2531795	2531493	0.16	cps
Dysprosium	156-1	308565	309614	311853	310011	0.54	cps
Dysprosium	156-2	115897	114700	115487	115361	0.53	cps
Erbium	164-1	250786	250337	250946	250690	0.13	cps
Erbium	164-2	93714	93156	91552	92808	1.21	cps
Gadolinium	160-1	264139	264306	264779	264408	0.13	cps
Gadolinium	160-2	116016	113314	114069	114466	1.22	cps
Holmium	165-1	68837027	67911226	67460576	68069610	1.03	cps
Holmium	165-2	25618440	25715250	25739448	25691046	0.25	cps
Indium	115-1	50541193	51193184	50477250	50737209	0.78	cps
Indium	115-2	6723689	6738978	6719814	6727494	0.15	cps
Iron	54-2	34791690	35007917	34811546	34870384	0.34	cps
Iron	56-2	641265737	639789244	644467550	641840844	0.37	cps
Iron	57-2	16382206	16113590	16230276	16242024	0.83	cps
Krypton	83-1	703	740	757	733	3.72	cps
Lead	206-1	2957876	3013432	3055080	3008796	1.62	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-05	Instrumnet Name :	P8
Client Sample ID :	MYD4Y9	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:59:13	DataFile Name :	066AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	2696933	2687401	2726791	2703708	0.76	cps
Lead	208-1	12052606	12088436	12180392	12107145	0.54	cps
Lithium	6-1	24530627	24245701	24548928	24441752	0.70	cps
Magnesium	24-2	8078806	8127069	7937215	8047697	1.23	cps
Manganese	55-2	6721645	6625999	6689589	6679078	0.73	cps
Molybdenum	94-1	249307	250800	249990	250032	0.30	cps
Molybdenum	95-1	24759	24705	24859	24774	0.31	cps
Molybdenum	96-1	72076	72163	72243	72161	0.12	cps
Molybdenum	97-1	15502	15412	15445	15453	0.29	cps
Molybdenum	98-1	39513	39416	39185	39371	0.43	cps
Neodymium	150-1	426041	425487	426123	425883	0.08	cps
Neodymium	150-2	123691	122994	122574	123086	0.46	cps
Nickel	60-2	141570	141452	140304	141108	0.50	cps
Phosphorus	31-2	22698	23068	23048	22938	0.91	cps
Potassium	39-2	3524638	3504033	3397912	3475528	1.96	cps
Rhodium	103-1	46708389	45895656	46941463	46515169	1.18	cps
Rhodium	103-2	19104382	19057142	18750247	18970590	1.01	cps
Scandium	45-1	34457786	34093804	33645188	34065593	1.19	cps
Scandium	45-2	904547	900010	901447	902001	0.26	cps
Selenium	82-1	683	737	673	698	4.88	cps
Selenium	77-2	623	530	530	561	9.60	cps
Selenium	78-2	520	437	403	453	13.26	cps
Silicon	28-1	80514447	81316205	81776127	81202260	0.79	cps
Silver	107-1	32754	31488	31897	32046	2.02	cps
Silver	109-1	26035	25931	26966	26311	2.17	cps
Sodium	23-2	236896	238094	234597	236529	0.75	cps
Strontium	86-1	724051	728519	718815	723795	0.67	cps
Strontium	88-1	6744759	6718159	6641446	6701455	0.80	cps
Sulfur	34-1	683580	681216	679708	681502	0.29	cps
Terbium	159-1	70439086	69110286	69138897	69562756	1.09	cps
Terbium	159-2	25658045	25551365	25610142	25606517	0.21	cps
Thallium	203-1	11332	10985	11212	11176	1.58	cps
Thallium	205-1	27175	27406	27680	27420	0.92	cps
Tin	118-1	75139	74381	73855	74458	0.87	cps
Titanium	47-1	10403001	10391679	10274053	10356244	0.69	cps
Uranium	238-1	122592	124684	124028	123768	0.86	cps

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-05	Instrumnet Name :	P8
Client Sample ID :	MYD4Y9	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 19:59:13	DataFile Name :	066AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1122310	1123749	1116937	1120998	0.32	cps
Ytterbium	172-1	79772	81140	81251	80721	1.02	cps
Ytterbium	172-2	35838	35618	35688	35715	0.32	cps
Ytterbium	176-1	68654	69153	68791	68866	0.37	cps
Ytterbium	176-2	108474	112110	111264	110616	1.72	cps
Yttrium	89-1	78675912	77981717	77101217	77919616	1.01	cps
Yttrium	89-2	7458054	7360573	7201750	7340125	1.76	cps
Zinc	66-2	410555	404676	403413	406215	0.94	cps
Zirconium	90-1	656895	659696	657034	657875	0.24	cps
Zirconium	91-1	147686	144423	146925	146345	1.17	cps

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On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-06	Instrumnet Name :	P8
Client Sample ID :	MYD4Z0	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 20:02:16	DataFile Name :	067AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6625338	6443553	6348740	6472544	2.17	cps
Antimony	121-1	64739	64886	65767	65131	0.85	cps
Arsenic	75-2	43366	43724	43581	43557	0.41	cps
Barium	135-1	2059122	2060860	2013320	2044434	1.32	cps
Barium	137-1	3515817	3465087	3472370	3484425	0.79	cps
Beryllium	9-1	10397	10379	10276	10351	0.63	cps
Bismuth	209-1	40437663	42143531	40830369	41137188	2.17	cps
Bismuth	209-2	17844778	17490643	17543016	17626146	1.08	cps
Bromine	81-1	29080	28937	28386	28801	1.27	cps
Cadmium	108-1	1453	1510	1493	1486	1.96	cps
Cadmium	106-1	44813	46458	43482	44917	3.32	cps
Cadmium	111-1	9372	9485	9448	9435	0.61	cps
Calcium	43-1	1231694	1186706	1151981	1190127	3.36	cps
Calcium	44-1	19525824	19452427	19226959	19401737	0.80	cps
Carbon	12-1	8819517	8794838	8874624	8829660	0.46	cps
Carbon	12-2	76933	76206	76501	76547	0.48	cps
Chlorine	35-1	251904256	256460263	257721263	255361927	1.20	cps
Chlorine	35-2	1469452	1439278	1424959	1444563	1.57	cps
Chromium	52-2	279345	278853	273458	277219	1.18	cps
Cobalt	59-2	481216	464988	472607	472937	1.72	cps
Copper	63-2	1165715	1148817	1144482	1153005	0.97	cps
Dysprosium	156-1	268605	268025	267639	268090	0.18	cps
Dysprosium	156-2	99534	100454	99876	99955	0.47	cps
Erbium	164-1	214428	213591	214015	214011	0.20	cps
Erbium	164-2	79264	78305	79432	79000	0.77	cps
Gadolinium	160-1	228584	225858	229093	227845	0.76	cps
Gadolinium	160-2	100055	99487	99488	99677	0.33	cps
Holmium	165-1	67422727	69187652	67644879	68085086	1.41	cps
Holmium	165-2	25846305	25439155	25407051	25564170	0.96	cps
Indium	115-1	49538682	51443457	49547091	50176410	2.19	cps
Indium	115-2	6760912	6608111	6629227	6666083	1.24	cps
Iron	54-2	31077454	30683915	30588874	30783414	0.84	cps
Iron	56-2	567978792	561489338	563312632	564260254	0.59	cps
Iron	57-2	14263323	14186256	14270597	14240059	0.33	cps
Krypton	83-1	720	747	717	728	2.26	cps
Lead	206-1	1547325	1562102	1571713	1560380	0.79	cps

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-06	Instrumnet Name :	P8
Client Sample ID :	MYD4Z0	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 20:02:16	DataFile Name :	067AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1373856	1371021	1391567	1378815	0.81	cps
Lead	208-1	6340608	6312501	6339306	6330805	0.25	cps
Lithium	6-1	24313028	24803922	24364433	24493794	1.10	cps
Magnesium	24-2	6597610	6585707	6572746	6585354	0.19	cps
Manganese	55-2	5489942	5461378	5432056	5461125	0.53	cps
Molybdenum	94-1	188565	188372	185311	187416	0.97	cps
Molybdenum	95-1	21617	20789	21206	21204	1.95	cps
Molybdenum	96-1	56464	56380	56568	56471	0.17	cps
Molybdenum	97-1	13290	13297	12429	13005	3.84	cps
Molybdenum	98-1	34476	33851	34236	34188	0.92	cps
Neodymium	150-1	380845	380523	375528	378965	0.79	cps
Neodymium	150-2	110235	108467	110003	109568	0.88	cps
Nickel	60-2	124654	122720	122249	123208	1.03	cps
Phosphorus	31-2	20828	20571	20208	20536	1.52	cps
Potassium	39-2	2794339	2834353	2850491	2826394	1.02	cps
Rhodium	103-1	45648041	47189566	45720529	46186045	1.88	cps
Rhodium	103-2	18918852	18852586	18866133	18879191	0.19	cps
Scandium	45-1	33443410	34173344	33671011	33762589	1.11	cps
Scandium	45-2	885472	873746	879558	879592	0.67	cps
Selenium	82-1	427	450	493	457	7.41	cps
Selenium	77-2	473	493	500	489	2.84	cps
Selenium	78-2	413	360	313	362	13.81	cps
Silicon	28-1	101736275	101078948	99653292	100822838	1.06	cps
Silver	107-1	13505	13423	13531	13486	0.42	cps
Silver	109-1	9877	9590	9230	9566	3.39	cps
Sodium	23-2	203261	198696	199488	200482	1.22	cps
Strontium	86-1	618619	617881	613558	616686	0.44	cps
Strontium	88-1	5621331	5684210	5686796	5664112	0.65	cps
Sulfur	34-1	673179	666917	666496	668864	0.56	cps
Terbium	159-1	67488912	70600899	67766449	68618753	2.51	cps
Terbium	159-2	25762244	25388514	25231576	25460778	1.07	cps
Thallium	203-1	9267	9570	9444	9427	1.62	cps
Thallium	205-1	22727	22767	22470	22654	0.71	cps
Tin	118-1	61919	62418	62210	62182	0.40	cps
Titanium	47-1	8202839	8117488	8117153	8145827	0.61	cps
Uranium	238-1	110942	110028	110814	110595	0.45	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-06	Instrumnet Name :	P8
Client Sample ID :	MYD4Z0	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 20:02:16	DataFile Name :	067AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	993315	988678	997317	993103	0.44	cps
Ytterbium	172-1	68268	66674	67611	67518	1.19	cps
Ytterbium	172-2	30395	29496	29783	29892	1.54	cps
Ytterbium	176-1	58981	61174	60645	60267	1.90	cps
Ytterbium	176-2	104385	103901	106754	105013	1.45	cps
Yttrium	89-1	77273719	78873059	75998136	77381638	1.86	cps
Yttrium	89-2	7277258	7173401	7140957	7197205	0.99	cps
Zinc	66-2	263433	260034	261056	261508	0.67	cps
Zirconium	90-1	490221	490255	485787	488755	0.53	cps
Zirconium	91-1	107144	107487	108004	107545	0.40	cps

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On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-07	Instrumnet Name :	P8
Client Sample ID :	MYD4Z1	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 20:05:25	DataFile Name :	068AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	10651459	10665394	10561112	10625988	0.53	cps
Antimony	121-1	60701	61307	61233	61080	0.54	cps
Arsenic	75-2	62953	62980	61631	62521	1.23	cps
Barium	135-1	3563130	3547820	3500672	3537207	0.92	cps
Barium	137-1	6130587	6090781	6044172	6088514	0.71	cps
Beryllium	9-1	16468	16328	16229	16342	0.73	cps
Bismuth	209-1	41780651	40298368	39742968	40607329	2.59	cps
Bismuth	209-2	17421851	17236898	17284718	17314489	0.55	cps
Bromine	81-1	30540	30069	30520	30376	0.88	cps
Cadmium	108-1	2527	2570	2410	2502	3.31	cps
Cadmium	106-1	50713	49151	48171	49345	2.60	cps
Cadmium	111-1	9126	9214	9344	9228	1.19	cps
Calcium	43-1	2121861	2076813	2120045	2106240	1.21	cps
Calcium	44-1	33380479	33502945	33950524	33611316	0.89	cps
Carbon	12-1	9239360	9285803	9274372	9266512	0.26	cps
Carbon	12-2	80968	81866	81095	81310	0.60	cps
Chlorine	35-1	168960491	172625211	173535317	171707006	1.41	cps
Chlorine	35-2	906186	907299	900156	904547	0.42	cps
Chromium	52-2	625486	619994	621957	622479	0.45	cps
Cobalt	59-2	706423	707230	700856	704836	0.49	cps
Copper	63-2	1451461	1445320	1451552	1449444	0.25	cps
Dysprosium	156-1	525406	528878	527025	527103	0.33	cps
Dysprosium	156-2	194033	196359	197042	195811	0.81	cps
Erbium	164-1	403786	405180	406895	405287	0.38	cps
Erbium	164-2	149338	150744	151061	150381	0.61	cps
Gadolinium	160-1	439745	448193	444193	444044	0.95	cps
Gadolinium	160-2	190518	194811	192019	192450	1.13	cps
Holmium	165-1	69260471	66402476	66083987	67248978	2.60	cps
Holmium	165-2	25634159	25427666	25730489	25597438	0.60	cps
Indium	115-1	51652652	49071031	48982264	49901982	3.04	cps
Indium	115-2	6701722	6691366	6726127	6706405	0.27	cps
Iron	54-2	48936588	47716074	48487803	48380155	1.28	cps
Iron	56-2	894875133	885706920	879645747	886742600	0.86	cps
Iron	57-2	22520076	22440306	22340048	22433476	0.40	cps
Krypton	83-1	1063	1047	950	1020	6.00	cps
Lead	206-1	1880761	1938329	1917579	1912223	1.52	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-07	Instrumnet Name :	P8
Client Sample ID :	MYD4Z1	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 20:05:25	DataFile Name :	068AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1569525	1609582	1600988	1593365	1.32	cps
Lead	208-1	7357348	7516528	7468032	7447303	1.10	cps
Lithium	6-1	24504586	24166730	23417534	24029617	2.32	cps
Magnesium	24-2	11183883	11073733	11096979	11118198	0.52	cps
Manganese	55-2	8984659	8906614	8955779	8949017	0.44	cps
Molybdenum	94-1	395281	395347	395010	395212	0.05	cps
Molybdenum	95-1	43665	44892	43822	44126	1.51	cps
Molybdenum	96-1	116775	118349	118022	117715	0.71	cps
Molybdenum	97-1	27090	27671	27173	27311	1.15	cps
Molybdenum	98-1	70578	70103	70371	70351	0.34	cps
Neodymium	150-1	735408	748892	743979	742760	0.92	cps
Neodymium	150-2	216713	214804	213685	215067	0.71	cps
Nickel	60-2	227172	228635	227009	227605	0.39	cps
Phosphorus	31-2	35714	36466	36660	36280	1.38	cps
Potassium	39-2	5636689	5580927	5563607	5593741	0.68	cps
Rhodium	103-1	46907523	44666678	44520106	45364769	2.95	cps
Rhodium	103-2	18635744	18606094	18710953	18650931	0.29	cps
Scandium	45-1	34995636	32933330	33336871	33755279	3.24	cps
Scandium	45-2	897379	890244	888404	892009	0.53	cps
Selenium	82-1	613	703	990	769	25.58	cps
Selenium	77-2	913	960	943	939	2.52	cps
Selenium	78-2	737	797	727	753	5.03	cps
Silicon	28-1	88223729	86619702	86386355	87076595	1.15	cps
Silver	107-1	17318	17397	17778	17498	1.40	cps
Silver	109-1	11085	11622	11085	11264	2.75	cps
Sodium	23-2	281413	281090	281129	281211	0.06	cps
Strontium	86-1	948503	956030	963138	955890	0.77	cps
Strontium	88-1	8743671	8741318	8808803	8764598	0.44	cps
Sulfur	34-1	819394	825791	821116	822101	0.40	cps
Terbium	159-1	70531252	67967121	67541194	68679856	2.36	cps
Terbium	159-2	25997176	25890368	26002706	25963417	0.24	cps
Thallium	203-1	14738	15339	14995	15024	2.01	cps
Thallium	205-1	35652	36147	35395	35731	1.07	cps
Tin	118-1	74240	76361	74714	75105	1.48	cps
Titanium	47-1	12274838	12009082	12385234	12223051	1.58	cps
Uranium	238-1	197950	197764	198455	198056	0.18	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-07	Instrumnet Name :	P8
Client Sample ID :	MYD4Z1	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 20:05:25	DataFile Name :	068AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1759723	1778908	1764055	1767562	0.57	cps
Ytterbium	172-1	125784	127692	126821	126765	0.75	cps
Ytterbium	172-2	55978	56406	56014	56133	0.42	cps
Ytterbium	176-1	97990	98941	96271	97734	1.38	cps
Ytterbium	176-2	121563	124624	124641	123609	1.43	cps
Yttrium	89-1	81008875	78892617	77890936	79264143	2.01	cps
Yttrium	89-2	7324084	7468325	7496890	7429766	1.25	cps
Zinc	66-2	343658	345231	342210	343700	0.44	cps
Zirconium	90-1	1033086	1029816	1034159	1032354	0.22	cps
Zirconium	91-1	223576	228567	227505	226549	1.16	cps

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On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-08	Instrumnet Name :	P8
Client Sample ID :	MYD4Z2	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 20:08:29	DataFile Name :	069AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	11656662	11619941	11679177	11651927	0.26	cps
Antimony	121-1	76663	76965	77513	77047	0.56	cps
Arsenic	75-2	83874	83958	83314	83716	0.42	cps
Barium	135-1	3556963	3512002	3526057	3531674	0.65	cps
Barium	137-1	6192988	6020690	6024118	6079265	1.62	cps
Beryllium	9-1	17085	16854	17040	16993	0.72	cps
Bismuth	209-1	41385185	41235233	40510251	41043556	1.14	cps
Bismuth	209-2	17632486	17274035	17428277	17444933	1.03	cps
Bromine	81-1	35255	35418	35515	35396	0.37	cps
Cadmium	108-1	2244	2434	2350	2342	4.07	cps
Cadmium	106-1	48110	47381	47582	47691	0.79	cps
Cadmium	111-1	15947	15564	15866	15792	1.28	cps
Calcium	43-1	1953193	1907894	1891691	1917593	1.66	cps
Calcium	44-1	30692893	30652584	30263779	30536418	0.78	cps
Carbon	12-1	10191275	10255277	10242401	10229651	0.33	cps
Carbon	12-2	89859	89386	89128	89458	0.41	cps
Chlorine	35-1	260373229	265376036	265969683	263906316	1.16	cps
Chlorine	35-2	1498315	1466838	1481068	1482074	1.06	cps
Chromium	52-2	404316	404091	403885	404098	0.05	cps
Cobalt	59-2	796045	778580	783714	786113	1.14	cps
Copper	63-2	3213629	3188417	3182214	3194754	0.52	cps
Dysprosium	156-1	426301	426386	428883	427190	0.34	cps
Dysprosium	156-2	158920	160866	159948	159911	0.61	cps
Erbium	164-1	353287	352858	352764	352969	0.08	cps
Erbium	164-2	132920	131011	130257	131396	1.04	cps
Gadolinium	160-1	368192	369238	369441	368957	0.18	cps
Gadolinium	160-2	161586	157485	161053	160041	1.39	cps
Holmium	165-1	67821197	68110942	67676966	67869702	0.33	cps
Holmium	165-2	26098370	25814645	25881938	25931651	0.57	cps
Indium	115-1	50290914	50578796	50877951	50582554	0.58	cps
Indium	115-2	6708547	6615260	6589812	6637873	0.94	cps
Iron	54-2	47495699	47004791	47182204	47227565	0.53	cps
Iron	56-2	872588974	870874414	869577987	871013791	0.17	cps
Iron	57-2	22221206	21873511	21846716	21980478	0.95	cps
Krypton	83-1	897	983	1017	966	6.42	cps
Lead	206-1	2977451	2949929	2943869	2957083	0.61	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-08	Instrumnet Name :	P8
Client Sample ID :	MYD4Z2	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 20:08:29	DataFile Name :	069AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	2531282	2603701	2616053	2583679	1.77	cps
Lead	208-1	11609949	11739180	11709049	11686059	0.58	cps
Lithium	6-1	24052817	24120374	23992564	24055252	0.27	cps
Magnesium	24-2	12139842	12153823	11957507	12083724	0.91	cps
Manganese	55-2	10134272	10026414	10091189	10083958	0.54	cps
Molybdenum	94-1	261707	267343	263285	264112	1.10	cps
Molybdenum	95-1	25867	25811	26482	26053	1.43	cps
Molybdenum	96-1	77508	78141	78292	77981	0.53	cps
Molybdenum	97-1	16039	16450	16009	16166	1.52	cps
Molybdenum	98-1	41188	41679	41348	41405	0.61	cps
Neodymium	150-1	591834	587135	596343	591771	0.78	cps
Neodymium	150-2	170701	171138	173675	171838	0.93	cps
Nickel	60-2	195781	193767	192924	194157	0.76	cps
Phosphorus	31-2	29280	28789	28885	28985	0.90	cps
Potassium	39-2	4588718	4564367	4546097	4566394	0.47	cps
Rhodium	103-1	46647208	45849969	45756331	46084503	1.06	cps
Rhodium	103-2	18892686	18490733	18672430	18685283	1.08	cps
Scandium	45-1	34528083	34116292	34024236	34222870	0.78	cps
Scandium	45-2	902646	894214	894631	897164	0.53	cps
Selenium	82-1	983	770	777	843	14.38	cps
Selenium	77-2	680	740	627	682	8.31	cps
Selenium	78-2	650	607	543	600	8.94	cps
Silicon	28-1	101882112	100769205	99416565	100689294	1.23	cps
Silver	107-1	30969	30671	30682	30774	0.55	cps
Silver	109-1	23921	24395	24108	24141	0.99	cps
Sodium	23-2	363155	364244	363142	363514	0.17	cps
Strontium	86-1	989189	994338	986474	990000	0.40	cps
Strontium	88-1	9114420	9032184	9094345	9080317	0.47	cps
Sulfur	34-1	674747	674270	664006	671008	0.90	cps
Terbium	159-1	69464409	70248384	68636502	69449765	1.16	cps
Terbium	159-2	26122435	25287874	25528353	25646220	1.68	cps
Thallium	203-1	14445	14772	14405	14540	1.39	cps
Thallium	205-1	34225	35144	34322	34564	1.46	cps
Tin	118-1	81869	82252	82255	82125	0.27	cps
Titanium	47-1	12307741	12134847	12046034	12162874	1.09	cps
Uranium	238-1	169130	171629	167735	169498	1.16	cps

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-08	Instrumnet Name :	P8
Client Sample ID :	MYD4Z2	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 20:08:29	DataFile Name :	069AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1527108	1510408	1517307	1518275	0.55	cps
Ytterbium	172-1	114191	116800	113901	114964	1.39	cps
Ytterbium	172-2	50419	50352	50704	50491	0.37	cps
Ytterbium	176-1	89980	88665	89303	89316	0.74	cps
Ytterbium	176-2	118436	119020	118657	118704	0.25	cps
Yttrium	89-1	80222607	78624449	78627451	79158169	1.16	cps
Yttrium	89-2	7320655	7299663	7409247	7343188	0.79	cps
Zinc	66-2	385460	383290	382213	383654	0.43	cps
Zirconium	90-1	687435	688774	697950	691386	0.83	cps
Zirconium	91-1	152153	153151	154762	153355	0.86	cps

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-09	Instrumnet Name :	P8
Client Sample ID :	MYD4Z3	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 20:11:33	DataFile Name :	070AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	13866134	13782216	13803737	13817362	0.32	cps
Antimony	121-1	72042	71027	72186	71751	0.88	cps
Arsenic	75-2	68191	68308	68623	68374	0.33	cps
Barium	135-1	4177179	4143100	4069152	4129811	1.34	cps
Barium	137-1	7025311	7069327	6935343	7009993	0.97	cps
Beryllium	9-1	18447	18546	18035	18342	1.48	cps
Bismuth	209-1	40301100	40447024	40317152	40355092	0.20	cps
Bismuth	209-2	17383808	17604437	17422265	17470170	0.67	cps
Bromine	81-1	35742	35121	35348	35404	0.89	cps
Cadmium	108-1	2294	2150	2120	2188	4.23	cps
Cadmium	106-1	47873	48689	46545	47702	2.27	cps
Cadmium	111-1	10789	11200	10860	10950	2.01	cps
Calcium	43-1	2135355	2163263	2091745	2130121	1.69	cps
Calcium	44-1	34227355	34152322	33754150	34044609	0.75	cps
Carbon	12-1	14362811	14685159	14675464	14574478	1.26	cps
Carbon	12-2	126532	127735	126983	127083	0.48	cps
Chlorine	35-1	236218550	237472290	234899497	236196779	0.54	cps
Chlorine	35-2	1338129	1329238	1324184	1330517	0.53	cps
Chromium	52-2	545896	544713	545275	545295	0.11	cps
Cobalt	59-2	827068	822216	817002	822095	0.61	cps
Copper	63-2	1843506	1839803	1863577	1848962	0.69	cps
Dysprosium	156-1	520004	515094	520427	518508	0.57	cps
Dysprosium	156-2	190330	190193	191147	190557	0.27	cps
Erbium	164-1	404339	408512	408906	407252	0.62	cps
Erbium	164-2	150646	149975	149799	150140	0.30	cps
Gadolinium	160-1	433347	434783	435034	434388	0.21	cps
Gadolinium	160-2	188915	188047	187722	188228	0.33	cps
Holmium	165-1	69287804	67477002	67140089	67968298	1.70	cps
Holmium	165-2	25857389	25449573	25862025	25722996	0.92	cps
Indium	115-1	51314713	50124468	49758416	50399199	1.61	cps
Indium	115-2	6709825	6595498	6601051	6635458	0.97	cps
Iron	54-2	51908794	50568443	51001953	51159730	1.34	cps
Iron	56-2	971651719	951569426	956505506	959908883	1.09	cps
Iron	57-2	23926334	24043455	23721364	23897051	0.68	cps
Krypton	83-1	1060	887	980	976	8.89	cps
Lead	206-1	2594304	2623361	2578822	2598829	0.87	cps

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-09	Instrumnet Name :	P8
Client Sample ID :	MYD4Z3	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 20:11:33	DataFile Name :	070AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	2206872	2252478	2182351	2213900	1.61	cps
Lead	208-1	10002674	10268705	10002641	10091340	1.52	cps
Lithium	6-1	23843272	23633893	23561308	23679491	0.62	cps
Magnesium	24-2	12228505	12272397	12429459	12310120	0.86	cps
Manganese	55-2	12362386	12147492	12114046	12207975	1.10	cps
Molybdenum	94-1	322432	333169	317897	324499	2.42	cps
Molybdenum	95-1	39533	39834	39235	39534	0.76	cps
Molybdenum	96-1	101017	101494	101639	101383	0.32	cps
Molybdenum	97-1	23831	24842	24455	24376	2.09	cps
Molybdenum	98-1	62972	62922	62409	62768	0.50	cps
Neodymium	150-1	730055	735246	738367	734556	0.57	cps
Neodymium	150-2	209250	210794	209526	209857	0.39	cps
Nickel	60-2	228052	226945	228587	227861	0.37	cps
Phosphorus	31-2	37365	36830	36539	36911	1.13	cps
Potassium	39-2	5183458	5243659	5187046	5204721	0.65	cps
Rhodium	103-1	45773693	45765351	44902813	45480619	1.10	cps
Rhodium	103-2	18678696	18777657	18598183	18684845	0.48	cps
Scandium	45-1	34095239	34287459	34142692	34175130	0.29	cps
Scandium	45-2	895400	900437	893990	896609	0.38	cps
Selenium	82-1	897	987	877	920	6.37	cps
Selenium	77-2	860	843	920	874	4.61	cps
Selenium	78-2	707	730	690	709	2.83	cps
Silicon	28-1	99355979	99521445	98185322	99020915	0.74	cps
Silver	107-1	20394	20631	20235	20420	0.98	cps
Silver	109-1	13640	13747	13930	13773	1.07	cps
Sodium	23-2	287457	283467	286224	285716	0.72	cps
Strontium	86-1	1120012	1121018	1124310	1121780	0.20	cps
Strontium	88-1	10391075	10358417	10219426	10322972	0.88	cps
Sulfur	34-1	776544	771869	763714	770709	0.84	cps
Terbium	159-1	69046134	67712616	68183182	68313977	0.99	cps
Terbium	159-2	25548389	25387127	25754470	25563329	0.72	cps
Thallium	203-1	16504	16571	16250	16442	1.03	cps
Thallium	205-1	38995	39667	39299	39321	0.86	cps
Tin	118-1	86058	84357	84945	85120	1.01	cps
Titanium	47-1	12185815	12187630	12066694	12146713	0.57	cps
Uranium	238-1	209215	211653	209771	210213	0.61	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-09	Instrumnet Name :	P8
Client Sample ID :	MYD4Z3	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 20:11:33	DataFile Name :	070AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1837341	1825074	1848212	1836876	0.63	cps
Ytterbium	172-1	127837	127914	128352	128034	0.22	cps
Ytterbium	172-2	56356	56225	57179	56587	0.91	cps
Ytterbium	176-1	96799	98097	98319	97738	0.84	cps
Ytterbium	176-2	120056	122182	123420	121886	1.40	cps
Yttrium	89-1	78881717	79625449	79066724	79191297	0.49	cps
Yttrium	89-2	7424661	7448982	7363736	7412459	0.59	cps
Zinc	66-2	400941	399756	398039	399579	0.37	cps
Zirconium	90-1	836476	830051	832957	833161	0.39	cps
Zirconium	91-1	183893	186612	183791	184765	0.87	cps

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On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-10	Instrumnet Name :	P8
Client Sample ID :	MYD4Z4	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 20:14:36	DataFile Name :	071AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	10475580	10232904	10152268	10286917	1.64	cps
Antimony	121-1	64233	64984	64903	64707	0.64	cps
Arsenic	75-2	70854	70860	69393	70369	1.20	cps
Barium	135-1	2938396	2984450	2954171	2959006	0.79	cps
Barium	137-1	5081116	5060618	5018361	5053365	0.63	cps
Beryllium	9-1	12406	12279	12321	12335	0.53	cps
Bismuth	209-1	39437350	40016441	39789637	39747809	0.73	cps
Bismuth	209-2	17178986	17485617	17208179	17290928	0.98	cps
Bromine	81-1	31328	31014	31298	31214	0.55	cps
Cadmium	108-1	2544	2257	2107	2302	9.64	cps
Cadmium	106-1	45552	45746	45552	45616	0.25	cps
Cadmium	111-1	13887	14421	14169	14159	1.89	cps
Calcium	43-1	2155203	2108396	2102571	2122057	1.36	cps
Calcium	44-1	34183919	33585255	33939335	33902836	0.89	cps
Carbon	12-1	14410707	14636843	14668436	14571995	0.96	cps
Carbon	12-2	127289	126898	126132	126773	0.46	cps
Chlorine	35-1	229098977	234288350	234534690	232640672	1.32	cps
Chlorine	35-2	1320078	1314172	1316323	1316857	0.23	cps
Chromium	52-2	378818	372173	374536	375176	0.90	cps
Cobalt	59-2	594767	588324	593456	592182	0.58	cps
Copper	63-2	1858860	1847991	1829315	1845389	0.81	cps
Dysprosium	156-1	393429	401533	397407	397456	1.02	cps
Dysprosium	156-2	147251	152203	151521	150325	1.79	cps
Erbium	164-1	325338	330324	331091	328918	0.95	cps
Erbium	164-2	123813	123813	122757	123461	0.49	cps
Gadolinium	160-1	338751	347770	348260	344927	1.55	cps
Gadolinium	160-2	151999	151692	149922	151204	0.74	cps
Holmium	165-1	66460087	66072619	65863997	66132235	0.46	cps
Holmium	165-2	25159494	25462890	25476836	25366407	0.71	cps
Indium	115-1	47706112	48056513	48108180	47956935	0.46	cps
Indium	115-2	6621771	6691262	6519346	6610793	1.31	cps
Iron	54-2	39789973	39194501	39759469	39581314	0.85	cps
Iron	56-2	724273163	734607989	724159963	727680371	0.82	cps
Iron	57-2	18561306	18426016	18224893	18404072	0.92	cps
Krypton	83-1	840	903	943	896	5.82	cps
Lead	206-1	3047840	3048548	3107212	3067867	1.11	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-10	Instrumnet Name :	P8
Client Sample ID :	MYD4Z4	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 20:14:36	DataFile Name :	071AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	2681196	2769468	2718718	2723127	1.63	cps
Lead	208-1	12141829	12272545	12303200	12239191	0.70	cps
Lithium	6-1	22791131	22716334	23003701	22837055	0.65	cps
Magnesium	24-2	11179460	11289228	11261203	11243297	0.51	cps
Manganese	55-2	8881509	8715733	8746541	8781261	1.00	cps
Molybdenum	94-1	279872	280734	284365	281657	0.85	cps
Molybdenum	95-1	22508	23637	23053	23066	2.45	cps
Molybdenum	96-1	74485	77796	76110	76130	2.17	cps
Molybdenum	97-1	14364	14571	14381	14439	0.80	cps
Molybdenum	98-1	36555	36866	36712	36711	0.42	cps
Neodymium	150-1	550439	556642	551181	552754	0.61	cps
Neodymium	150-2	160383	160349	158349	159694	0.73	cps
Nickel	60-2	169122	167433	166377	167644	0.83	cps
Phosphorus	31-2	31163	30362	31294	30940	1.63	cps
Potassium	39-2	4809145	4681526	4747403	4746024	1.34	cps
Rhodium	103-1	44052801	44135766	44042511	44077026	0.12	cps
Rhodium	103-2	18512192	18637967	18373815	18507991	0.71	cps
Scandium	45-1	32842699	32693530	33079081	32871770	0.59	cps
Scandium	45-2	870162	871119	869325	870202	0.10	cps
Selenium	82-1	757	717	690	721	4.65	cps
Selenium	77-2	697	703	637	679	5.41	cps
Selenium	78-2	607	517	553	559	8.10	cps
Silicon	28-1	106961655	108580518	105876858	107139677	1.27	cps
Silver	107-1	24075	23853	24559	24162	1.49	cps
Silver	109-1	18623	18442	18292	18452	0.90	cps
Sodium	23-2	363649	360414	360248	361437	0.53	cps
Strontium	86-1	913131	921392	916906	917143	0.45	cps
Strontium	88-1	8420448	8324978	8507407	8417611	1.08	cps
Sulfur	34-1	748914	752044	748791	749916	0.25	cps
Terbium	159-1	66640857	67274702	67671151	67195570	0.77	cps
Terbium	159-2	25345776	25257106	25153838	25252240	0.38	cps
Thallium	203-1	13280	13304	12937	13173	1.56	cps
Thallium	205-1	30556	31144	30937	30879	0.97	cps
Tin	118-1	71639	72789	71157	71862	1.17	cps
Titanium	47-1	13035601	13032627	12818062	12962097	0.96	cps
Uranium	238-1	150837	151528	151231	151199	0.23	cps

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On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-10	Instrumnet Name :	P8
Client Sample ID :	MYD4Z4	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 20:14:36	DataFile Name :	071AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1188609	1190771	1197240	1192206	0.38	cps
Ytterbium	172-1	105634	107270	105728	106211	0.87	cps
Ytterbium	172-2	47829	47073	47428	47444	0.80	cps
Ytterbium	176-1	82355	84418	82546	83106	1.37	cps
Ytterbium	176-2	115248	114414	116155	115272	0.76	cps
Yttrium	89-1	75671442	76729009	76932992	76444481	0.89	cps
Yttrium	89-2	7334821	7311333	7148931	7265028	1.39	cps
Zinc	66-2	476116	472244	469113	472491	0.74	cps
Zirconium	90-1	743631	753079	744657	747123	0.69	cps
Zirconium	91-1	163811	165726	165722	165086	0.67	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-11	Instrumnet Name :	P8
Client Sample ID :	MYD4Z5	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 20:17:41	DataFile Name :	072AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	12893052	12763577	12835241	12830624	0.51	cps
Antimony	121-1	61946	62700	62951	62532	0.84	cps
Arsenic	75-2	84129	84843	85118	84697	0.60	cps
Barium	135-1	2977942	3034197	2991943	3001361	0.98	cps
Barium	137-1	5181866	5304037	5257446	5247783	1.17	cps
Beryllium	9-1	14733	14542	14892	14722	1.19	cps
Bismuth	209-1	38909019	39520886	39701224	39377043	1.05	cps
Bismuth	209-2	17064779	17111278	17119025	17098361	0.17	cps
Bromine	81-1	32264	33002	32645	32637	1.13	cps
Cadmium	108-1	2820	2930	2907	2886	2.01	cps
Cadmium	106-1	47846	48043	47655	47848	0.41	cps
Cadmium	111-1	16287	15616	16064	15989	2.14	cps
Calcium	43-1	2272593	2309400	2263905	2281966	1.06	cps
Calcium	44-1	36758398	36510689	36426050	36565046	0.47	cps
Carbon	12-1	12339220	12498271	12565594	12467695	0.93	cps
Carbon	12-2	106515	108503	108742	107920	1.13	cps
Chlorine	35-1	229462890	233806857	235924043	233064597	1.41	cps
Chlorine	35-2	1288105	1312636	1300365	1300368	0.94	cps
Chromium	52-2	450194	449743	449843	449927	0.05	cps
Cobalt	59-2	699510	704280	702243	702011	0.34	cps
Copper	63-2	2053816	2059449	2058275	2057180	0.14	cps
Dysprosium	156-1	457083	461043	460460	459529	0.47	cps
Dysprosium	156-2	172461	171999	171165	171875	0.38	cps
Erbium	164-1	376498	379691	382528	379572	0.79	cps
Erbium	164-2	140628	139897	138907	139811	0.62	cps
Gadolinium	160-1	394569	400552	399097	398073	0.78	cps
Gadolinium	160-2	175013	172193	170721	172642	1.26	cps
Holmium	165-1	65625957	65963872	65227464	65605765	0.56	cps
Holmium	165-2	25233326	25146140	25330801	25236756	0.37	cps
Indium	115-1	47838110	48676854	49202988	48572651	1.42	cps
Indium	115-2	6439944	6437210	6481321	6452825	0.38	cps
Iron	54-2	46151444	45775969	45126444	45684619	1.14	cps
Iron	56-2	844366094	828920654	843995161	839093970	1.05	cps
Iron	57-2	21026773	21313010	21261594	21200459	0.72	cps
Krypton	83-1	973	1030	893	966	7.11	cps
Lead	206-1	3318517	3275670	3370257	3321481	1.43	cps

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-11	Instrumnet Name :	P8
Client Sample ID :	MYD4Z5	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 20:17:41	DataFile Name :	072AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	2974974	2957857	2985692	2972841	0.47	cps
Lead	208-1	13375840	13334028	13348474	13352781	0.16	cps
Lithium	6-1	22232586	22781532	22958275	22657464	1.67	cps
Magnesium	24-2	13401247	13371807	13511690	13428248	0.55	cps
Manganese	55-2	8912886	9010569	8902759	8942071	0.67	cps
Molybdenum	94-1	362617	363509	366334	364153	0.53	cps
Molybdenum	95-1	23043	23450	22639	23044	1.76	cps
Molybdenum	96-1	91908	89392	90613	90638	1.39	cps
Molybdenum	97-1	14254	14277	14821	14451	2.22	cps
Molybdenum	98-1	36879	36277	36685	36614	0.84	cps
Neodymium	150-1	654947	668035	659057	660680	1.01	cps
Neodymium	150-2	189555	188294	186829	188226	0.72	cps
Nickel	60-2	194237	194544	193029	193937	0.41	cps
Phosphorus	31-2	33552	33529	33729	33603	0.33	cps
Potassium	39-2	4944660	4872429	4865599	4894229	0.90	cps
Rhodium	103-1	44084616	43768096	44496294	44116335	0.83	cps
Rhodium	103-2	18231745	18191856	18128022	18183874	0.29	cps
Scandium	45-1	33438937	32925629	33044390	33136319	0.81	cps
Scandium	45-2	872420	864345	867705	868156	0.47	cps
Selenium	82-1	1043	770	1070	961	17.28	cps
Selenium	77-2	800	793	840	811	3.11	cps
Selenium	78-2	533	643	677	618	12.14	cps
Silicon	28-1	138713021	137618765	136764755	137698847	0.71	cps
Silver	107-1	27701	28407	28585	28231	1.65	cps
Silver	109-1	21951	21313	21383	21549	1.62	cps
Sodium	23-2	302377	299192	298954	300174	0.64	cps
Strontium	86-1	1025390	1021368	1028484	1025081	0.35	cps
Strontium	88-1	9163949	9493897	9521065	9392970	2.12	cps
Sulfur	34-1	737574	735392	734718	735895	0.20	cps
Terbium	159-1	66670142	68120196	67641604	67477314	1.09	cps
Terbium	159-2	25369115	25219350	24878210	25155559	1.00	cps
Thallium	203-1	14485	14772	14061	14439	2.48	cps
Thallium	205-1	34773	35826	35144	35248	1.51	cps
Tin	118-1	79100	80696	79747	79848	1.01	cps
Titanium	47-1	12613423	12816234	12768351	12732669	0.83	cps
Uranium	238-1	165485	167732	168469	167229	0.93	cps

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-11	Instrumnet Name :	P8
Client Sample ID :	MYD4Z5	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 20:17:41	DataFile Name :	072AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1431429	1424070	1420863	1425454	0.38	cps
Ytterbium	172-1	117011	121364	117890	118755	1.94	cps
Ytterbium	172-2	52982	52219	52068	52423	0.93	cps
Ytterbium	176-1	93928	93562	93185	93558	0.40	cps
Ytterbium	176-2	118338	120228	119794	119453	0.83	cps
Yttrium	89-1	77092444	77361767	77269704	77241305	0.18	cps
Yttrium	89-2	7184254	7173900	7174666	7177607	0.08	cps
Zinc	66-2	566408	571174	567836	568472	0.43	cps
Zirconium	90-1	967464	969352	981167	972661	0.76	cps
Zirconium	91-1	212743	216278	217098	215373	1.07	cps

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-12	Instrumnet Name :	P8
Client Sample ID :	MYD4Z6	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 20:20:43	DataFile Name :	073AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	10818569	10775312	10570756	10721546	1.23	cps
Antimony	121-1	73771	74662	74451	74295	0.63	cps
Arsenic	75-2	84709	83951	81826	83495	1.79	cps
Barium	135-1	2837700	2812029	2863945	2837892	0.91	cps
Barium	137-1	4946315	4913650	4966618	4942194	0.54	cps
Beryllium	9-1	14144	14304	14080	14176	0.81	cps
Bismuth	209-1	38669696	39910210	40119068	39566325	1.98	cps
Bismuth	209-2	17050291	17129255	17076034	17085193	0.24	cps
Bromine	81-1	32568	31569	32658	32265	1.87	cps
Cadmium	108-1	2514	2574	2554	2547	1.20	cps
Cadmium	106-1	47936	46749	46776	47154	1.44	cps
Cadmium	111-1	14614	14537	14472	14541	0.49	cps
Calcium	43-1	2092653	2126806	2098841	2106100	0.86	cps
Calcium	44-1	33421987	33680232	33492271	33531497	0.40	cps
Carbon	12-1	10470055	10506306	10660839	10545733	0.96	cps
Carbon	12-2	91894	91103	91613	91537	0.44	cps
Chlorine	35-1	284233689	291138536	294066436	289812887	1.74	cps
Chlorine	35-2	1608951	1628370	1611004	1616108	0.66	cps
Chromium	52-2	363795	360969	358088	360951	0.79	cps
Cobalt	59-2	914269	908677	913439	912128	0.33	cps
Copper	63-2	2360107	2390047	2364336	2371496	0.68	cps
Dysprosium	156-1	421250	425168	423601	423340	0.47	cps
Dysprosium	156-2	156016	154892	153326	154745	0.87	cps
Erbium	164-1	343715	347865	350213	347264	0.95	cps
Erbium	164-2	129221	127814	126377	127804	1.11	cps
Gadolinium	160-1	361218	365071	366381	364223	0.74	cps
Gadolinium	160-2	158638	156776	154668	156694	1.27	cps
Holmium	165-1	66298062	65461649	65890476	65883396	0.63	cps
Holmium	165-2	25292213	24902259	24974650	25056374	0.83	cps
Indium	115-1	47868092	48158336	48790186	48272204	0.98	cps
Indium	115-2	6426564	6460098	6391181	6425947	0.54	cps
Iron	54-2	46851989	46394501	46244644	46497045	0.68	cps
Iron	56-2	859251401	868256387	852768707	860092165	0.90	cps
Iron	57-2	21838976	21688754	21710606	21746112	0.37	cps
Krypton	83-1	1010	930	850	930	8.60	cps
Lead	206-1	3196959	3178841	3247066	3207622	1.10	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-12	Instrumnet Name :	P8
Client Sample ID :	MYD4Z6	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 20:20:43	DataFile Name :	073AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	2860151	2841594	2911115	2870953	1.25	cps
Lead	208-1	12826255	12989436	13102815	12972835	1.07	cps
Lithium	6-1	22315115	22404258	22587668	22435680	0.62	cps
Magnesium	24-2	12042003	12026582	11866181	11978255	0.81	cps
Manganese	55-2	8410848	8173867	8324129	8302948	1.44	cps
Molybdenum	94-1	315201	317095	316358	316218	0.30	cps
Molybdenum	95-1	29708	30189	30136	30011	0.88	cps
Molybdenum	96-1	89986	89593	89603	89727	0.25	cps
Molybdenum	97-1	18646	18219	18542	18469	1.21	cps
Molybdenum	98-1	47213	48535	48294	48014	1.47	cps
Neodymium	150-1	584601	585598	575419	581873	0.96	cps
Neodymium	150-2	166854	165982	163018	165285	1.22	cps
Nickel	60-2	184530	184615	184422	184522	0.05	cps
Phosphorus	31-2	33018	33602	32750	33123	1.32	cps
Potassium	39-2	3944714	3960838	3935953	3947168	0.32	cps
Rhodium	103-1	44297044	44292928	44573043	44387672	0.36	cps
Rhodium	103-2	18383476	17855083	18153437	18130665	1.46	cps
Scandium	45-1	32379634	32758096	32750322	32629351	0.66	cps
Scandium	45-2	863569	849435	844540	852515	1.16	cps
Selenium	82-1	780	817	857	818	4.69	cps
Selenium	77-2	747	720	727	731	1.90	cps
Selenium	78-2	643	527	600	590	10.00	cps
Silicon	28-1	122640225	123112775	123078788	122943929	0.21	cps
Silver	107-1	26217	26480	26504	26400	0.60	cps
Silver	109-1	19714	20402	20595	20237	2.29	cps
Sodium	23-2	289751	289790	289018	289520	0.15	cps
Strontium	86-1	886471	897527	897017	893671	0.70	cps
Strontium	88-1	8217493	8384186	8211068	8270916	1.19	cps
Sulfur	34-1	695691	688282	688087	690687	0.63	cps
Terbium	159-1	67915536	66976932	67861536	67584668	0.78	cps
Terbium	159-2	24866349	24938760	24622147	24809085	0.67	cps
Thallium	203-1	13874	14351	15176	14467	4.55	cps
Thallium	205-1	34599	34777	34733	34703	0.27	cps
Tin	118-1	76298	76925	75842	76355	0.71	cps
Titanium	47-1	11566369	11574452	11597486	11579436	0.14	cps
Uranium	238-1	127455	130674	130963	129697	1.50	cps

Reviewed By:mohan
On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	P2813-12	Instrumnet Name :	P8
Client Sample ID :	MYD4Z6	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 20:20:43	DataFile Name :	073AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1570627	1583434	1562705	1572255	0.67	cps
Ytterbium	172-1	107596	107959	110315	108623	1.36	cps
Ytterbium	172-2	48512	48559	47475	48182	1.27	cps
Ytterbium	176-1	85119	85078	86061	85419	0.65	cps
Ytterbium	176-2	115873	116458	115785	116039	0.32	cps
Yttrium	89-1	75143944	76267051	76267646	75892880	0.85	cps
Yttrium	89-2	7161615	7055628	6940651	7052632	1.57	cps
Zinc	66-2	472699	475265	465398	471121	1.09	cps
Zirconium	90-1	826750	838248	832433	832477	0.69	cps
Zirconium	91-1	185390	187220	185585	186065	0.54	cps

500

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	CCV003	Instrumnet Name :	P8
Client Sample ID :	CCV003	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 20:23:47	DataFile Name :	074CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	13872873	13924026	14066521	13954473	0.72	cps
Antimony	121-1	16240404	16388661	16349122	16326062	0.47	cps
Arsenic	75-2	356040	356326	354761	355709	0.23	cps
Barium	135-1	24337898	24159328	24588104	24361777	0.88	cps
Barium	137-1	42145396	42211384	42583707	42313496	0.56	cps
Beryllium	9-1	4984927	4966896	5109431	5020418	1.55	cps
Bismuth	209-1	32534309	32080504	32554679	32389830	0.83	cps
Bismuth	209-2	13995440	13813169	13774771	13861127	0.85	cps
Bromine	81-1	23844	21660	22375	22626	4.92	cps
Cadmium	108-1	388201	386945	383912	386352	0.57	cps
Cadmium	106-1	580968	573452	570510	574977	0.94	cps
Cadmium	111-1	4235106	4252960	4226018	4238028	0.32	cps
Calcium	43-1	33505135	34032160	33299330	33612208	1.12	cps
Calcium	44-1	526403872	530069712	531698605	529390730	0.51	cps
Carbon	12-1	6720047	6821646	6976056	6839249	1.88	cps
Carbon	12-2	69895	69985	69908	69929	0.07	cps
Chlorine	35-1	8755344	8132430	7414075	8100616	8.29	cps
Chlorine	35-2	36864	35500	33973	35446	4.08	cps
Chromium	52-2	5009914	5045844	5044538	5033432	0.40	cps
Cobalt	59-2	8699314	8660875	8703014	8687734	0.27	cps
Copper	63-2	65297784	65052002	65396437	65248741	0.27	cps
Dysprosium	156-1	1640	1667	1643	1650	0.88	cps
Dysprosium	156-2	637	593	700	643	8.34	cps
Erbium	164-1	1137	1040	1120	1099	4.70	cps
Erbium	164-2	390	377	390	386	2.00	cps
Gadolinium	160-1	1703	1513	1600	1606	5.93	cps
Gadolinium	160-2	1263	1310	1417	1330	5.91	cps
Holmium	165-1	59250477	60042497	58657602	59316859	1.17	cps
Holmium	165-2	23162787	22667989	22652694	22827823	1.27	cps
Indium	115-1	41692316	41929039	40861996	41494450	1.35	cps
Indium	115-2	5855961	5836559	5823473	5838665	0.28	cps
Iron	54-2	55578113	55750148	55315209	55547823	0.39	cps
Iron	56-2	1011659265	1020586385	1020549958	1017598536	0.51	cps
Iron	57-2	25921949	25604910	25800385	25775748	0.62	cps
Krypton	83-1	337	407	477	407	17.21	cps
Lead	206-1	81670929	83530005	82933169	82711368	1.15	cps

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Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	CCV003	Instrumnet Name :	P8
Client Sample ID :	CCV003	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 20:23:47	DataFile Name :	074CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	70143857	72224464	71078684	71149002	1.46	cps
Lead	208-1	323568950	329033980	329308990	327303973	0.99	cps
Lithium	6-1	20346311	20477168	20152364	20325281	0.80	cps
Magnesium	24-2	181539391	183878257	185002924	183473524	0.96	cps
Manganese	55-2	25897043	25976825	25783859	25885909	0.37	cps
Molybdenum	94-1	72707602	73657079	73028614	73131098	0.66	cps
Molybdenum	95-1	105774395	106494262	105793242	106020633	0.39	cps
Molybdenum	96-1	116007548	114469288	116337395	115604744	0.86	cps
Molybdenum	97-1	64555297	64944014	66217047	65238786	1.33	cps
Molybdenum	98-1	171697817	172588171	172258041	172181343	0.26	cps
Neodymium	150-1	3801	3527	3571	3633	4.05	cps
Neodymium	150-2	237	247	233	239	2.90	cps
Nickel	60-2	2341209	2314098	2306433	2320580	0.79	cps
Phosphorus	31-2	114245	115965	114520	114910	0.80	cps
Potassium	39-2	69906596	69843006	71667684	70472428	1.47	cps
Rhodium	103-1	37049404	36292373	35814866	36385548	1.71	cps
Rhodium	103-2	15147365	14945470	14982069	15024968	0.72	cps
Scandium	45-1	28522487	28617898	27933763	28358049	1.31	cps
Scandium	45-2	788431	801000	796280	795237	0.80	cps
Selenium	82-1	264450	264889	263796	264379	0.21	cps
Selenium	77-2	7609	7345	7912	7622	3.72	cps
Selenium	78-2	25670	25426	25106	25401	1.11	cps
Silicon	28-1	43752006	44020274	44180936	43984405	0.49	cps
Silver	107-1	23775108	24035112	23801980	23870733	0.60	cps
Silver	109-1	21983643	21848279	21761149	21864357	0.51	cps
Sodium	23-2	381372768	380668408	384083328	382041501	0.47	cps
Strontium	86-1	160509528	163180884	163455904	162382105	1.00	cps
Strontium	88-1	1418031979	1432142112	1421071979	1423748690	0.52	cps
Sulfur	34-1	2462713	2505573	2473625	2480637	0.90	cps
Terbium	159-1	61471914	60190197	59877102	60513071	1.40	cps
Terbium	159-2	22593946	22437575	22500570	22510697	0.35	cps
Thallium	203-1	20183928	20347939	20742942	20424936	1.41	cps
Thallium	205-1	48705536	48407989	49397276	48836934	1.04	cps
Tin	118-1	16367831	16449166	16269726	16362241	0.55	cps
Titanium	47-1	30467742	30997760	30946235	30803912	0.95	cps
Uranium	238-1	71734692	72078476	73252006	72355058	1.10	cps

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On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	CCV003	Instrumnet Name :	P8
Client Sample ID :	CCV003	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 20:23:47	DataFile Name :	074CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	4051140	4086973	4010648	4049587	0.94	cps
Ytterbium	172-1	1487	1527	1490	1501	1.48	cps
Ytterbium	172-2	527	673	567	589	12.88	cps
Ytterbium	176-1	110837	111428	111166	111144	0.27	cps
Ytterbium	176-2	114780	115100	117198	115692	1.14	cps
Yttrium	89-1	65452197	63375271	64780022	64535830	1.64	cps
Yttrium	89-2	6465381	6302929	6390806	6386372	1.27	cps
Zinc	66-2	6432931	6372820	6509015	6438256	1.06	cps
Zirconium	90-1	35580672	35581701	35745937	35636103	0.27	cps
Zirconium	91-1	7900937	7877218	7884812	7887656	0.15	cps

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On:10/7/2024 11:35:57 PM
Inst Id :P8

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	CCB003	Instrumnet Name :	P8
Client Sample ID :	CCB003	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 20:26:39	DataFile Name :	075CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1347	1407	1327	1360	3.06	cps
Antimony	121-1	4608	6472	9397	6825	35.37	cps
Arsenic	75-2	13	17	10	13	25.01	cps
Barium	135-1	830	673	533	679	21.86	cps
Barium	137-1	1594	1097	877	1189	30.88	cps
Beryllium	9-1	882	689	740	770	13.03	cps
Bismuth	209-1	43124714	43281419	43227573	43211235	0.18	cps
Bismuth	209-2	18582221	18463873	18552594	18532896	0.33	cps
Bromine	81-1	24832	25173	26098	25368	2.58	cps
Cadmium	108-1	123	137	93	118	18.85	cps
Cadmium	106-1	42679	42358	41425	42154	1.54	cps
Cadmium	111-1	2314	2232	2163	2236	3.39	cps
Calcium	43-1	1873	1747	1660	1760	6.09	cps
Calcium	44-1	35600	29489	29507	31532	11.17	cps
Carbon	12-1	5839006	5772823	5737415	5783081	0.89	cps
Carbon	12-2	49045	48560	48446	48684	0.65	cps
Chlorine	35-1	4493126	4159209	4041716	4231350	5.53	cps
Chlorine	35-2	18876	18786	18535	18732	0.94	cps
Chromium	52-2	2140	2154	2237	2177	2.41	cps
Cobalt	59-2	323	370	353	349	6.78	cps
Copper	63-2	12763	12869	12442	12691	1.75	cps
Dysprosium	156-1	97	120	103	107	11.26	cps
Dysprosium	156-2	13	17	30	20	44.10	cps
Erbium	164-1	500	497	430	476	8.30	cps
Erbium	164-2	140	117	230	162	36.89	cps
Gadolinium	160-1	1000	957	940	966	3.21	cps
Gadolinium	160-2	1027	1193	1087	1102	7.66	cps
Holmium	165-1	68279306	66606921	65812127	66899451	1.88	cps
Holmium	165-2	26069720	25747372	25815015	25877369	0.66	cps
Indium	115-1	51189610	50379011	50571204	50713275	0.84	cps
Indium	115-2	6974081	6997944	7027272	6999765	0.38	cps
Iron	54-2	2214	2374	2240	2276	3.77	cps
Iron	56-2	30328	32747	33195	32090	4.81	cps
Iron	57-2	813	810	850	824	2.69	cps
Krypton	83-1	300	263	347	303	13.77	cps
Lead	206-1	5565	4327	3774	4555	20.13	cps

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	CCB003	Instrumnet Name :	P8
Client Sample ID :	CCB003	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 20:26:39	DataFile Name :	075CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	4721	3921	3250	3964	18.57	cps
Lead	208-1	21368	17829	15568	18255	16.01	cps
Lithium	6-1	24211155	23658120	23202626	23690634	2.13	cps
Magnesium	24-2	3014	3180	3210	3135	3.38	cps
Manganese	55-2	1007	1097	1060	1054	4.29	cps
Molybdenum	94-1	4181	3917	4698	4265	9.31	cps
Molybdenum	95-1	4631	3954	4001	4195	9.01	cps
Molybdenum	96-1	5118	4348	5321	4929	10.42	cps
Molybdenum	97-1	2700	2330	2697	2576	8.26	cps
Molybdenum	98-1	6649	5861	6298	6269	6.29	cps
Neodymium	150-1	40	63	50	51	22.90	cps
Neodymium	150-2	17	10	3	10	66.70	cps
Nickel	60-2	740	777	723	747	3.65	cps
Phosphorus	31-2	777	777	843	799	4.82	cps
Potassium	39-2	22344	21747	21466	21852	2.05	cps
Rhodium	103-1	47924158	47213844	46635448	47257817	1.37	cps
Rhodium	103-2	19976896	19837242	19744109	19852749	0.59	cps
Scandium	45-1	33541711	32609078	32553810	32901533	1.69	cps
Scandium	45-2	891257	872108	886182	883182	1.12	cps
Selenium	82-1	37	-17	-37	-6	-681.77	cps
Selenium	77-2	3	3	0	2	86.60	cps
Selenium	78-2	13	43	3	20	104.10	cps
Silicon	28-1	922624	878833	899190	900216	2.43	cps
Silver	107-1	1891	1608	1639	1713	9.09	cps
Silver	109-1	1400	1123	843	1122	24.80	cps
Sodium	23-2	53682	52407	51484	52524	2.10	cps
Strontium	86-1	4205	2240	2127	2857	40.88	cps
Strontium	88-1	29103	21940	16969	22671	26.91	cps
Sulfur	34-1	720785	724789	725937	723837	0.37	cps
Terbium	159-1	69329154	68999281	67730042	68686159	1.23	cps
Terbium	159-2	25957778	25955588	25622935	25845434	0.75	cps
Thallium	203-1	4664	4257	4037	4320	7.36	cps
Thallium	205-1	12022	10605	9293	10640	12.83	cps
Tin	118-1	13654	13226	14128	13669	3.30	cps
Titanium	47-1	1153	960	807	973	17.85	cps
Uranium	238-1	2361	1243	1268	1624	39.31	cps

LB Number :	LB132751	Operator :	Jaswal
Lab Sample ID :	CCB003	Instrumnet Name :	P8
Client Sample ID :	CCB003	Dilution Factor :	1
Date & Time Acquired :	2024-10-02 20:26:39	DataFile Name :	075CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	93	83	63	80	19.09	cps
Ytterbium	172-1	407	373	373	384	5.01	cps
Ytterbium	172-2	157	180	217	184	16.40	cps
Ytterbium	176-1	17131	16744	16657	16844	1.50	cps
Ytterbium	176-2	88601	90269	90930	89933	1.33	cps
Yttrium	89-1	74055597	74263101	73003021	73773906	0.92	cps
Yttrium	89-2	7238888	7168523	7120299	7175903	0.83	cps
Zinc	66-2	3367	3327	3300	3332	1.01	cps
Zirconium	90-1	7289	6275	6999	6854	7.62	cps
Zirconium	91-1	1227	1217	1187	1210	1.72	cps

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Prep Standard - Chemical Standard Summary

Order ID : P2797

Test : Metals CLP MS,Metals CLP MS FULL

Prepbatch ID : PB163702,PB163711,

Sequence ID/Qc Batch ID: LB132751,LB132751,

Standard ID :
MP81119,MP82127,MP82169,MP82170,MP82568,MP82569,MP82570,MP82571,MP82572,MP82573,MP82574,MP825
75,MP82576,MP82577,MP82578,MP82579,MP82580,MP82581,MP82585,MP82586,MP82587,

Chemical ID :
M4888,M5192,M5227,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,M581
7,M5818,M5819,M5820,M5873,M5874,M5935,M5961,M5962,M5965,M5976,M5978,M5981,M5982,M5983,M6021,M60
23,M6025,M6028,M6030,M6033,M6037,M6039,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
3963	CONC.LCSW SPIKE	MP82169	09/04/2024	09/27/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 09/04/2024

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 M5289 + 0.10000ml of M5658 + 0.10000ml of M5697 + 0.20000ml of M5802 + 0.25000ml of M4888 + 0.25000ml of M5192 + 0.25000ml of M5227 + 0.25000ml of M5799 + 0.25000ml of M5819 + 0.25000ml of M5962 + 0.50000ml of M5390 + 0.50000ml of M5818 + 1.00000ml of M5515 + 1.25000ml of M5816 + 1.25000ml of M5820 + 2.50000ml of M5498 + 2.50000ml of M5519 + 2.50000ml of M5769 + 2.50000ml of M5806 + 2.50000ml of M6039 + 225.40000ml of W3112 + 5.00000ml of M6037 = Final Quantity: 250.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3964	CONC.LCSS SPIKE	MP82170	09/04/2024	09/27/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 09/04/2024

FROM 0.25000ml of M5473 + 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 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 M4888 + 1.25000ml of M5192 + 1.25000ml of M5227 + 1.25000ml of M5799 + 1.25000ml of M5819 + 1.25000ml of M5962 + 12.50000ml of M5498 + 12.50000ml of M5519 + 12.50000ml of M5806 + 170.00000ml of W3112 + 2.50000ml of M5390 + 2.50000ml of M5818 + 2.50000ml of M6039 + 5.00000ml of M5515 + 5.00000ml of M6037 + 6.25000ml of M5816 + 6.25000ml of M5820 = 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
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
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

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

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Metals STANDARD PREPARATION LOG

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.	57022 / Ti, 1000 PPM, 125 ml	070721	09/27/2024	08/06/2021 / jaswal	08/05/2021 / jaswal	M4888

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.	57023 / V, 1000 PPM, 125 ml	100121	10/01/2024	07/01/2022 / bin	10/18/2021 / bin	M5227

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

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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	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

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

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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.	58126 / Fe, 10000 PPM, 500 ml	092122	09/21/2025	08/01/2024 / Jaswal	03/17/2023 / bin	M5515

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57119 / Potassium (K) 10,000PPM	120822	12/08/2025	01/08/2024 / bin	03/17/2023 / bin	M5519

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
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

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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.	58029 / Cu, 1000 PPM, 500 ml	102523	10/25/2026	04/03/2024 / jaswal	10/27/2023 / jaswal	M5697

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58025 / Mn, 1000 PPM, 500 ml	102623	10/26/2026	04/18/2024 / jaswal	10/27/2023 / jaswal	M5698

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
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

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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.	57050 / Sn, 1000 PPM, 125 ml	071123	07/11/2026	02/09/2024 / bin	02/09/2024 / bin	M5799

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57027 / CO, 1000 PPM, 125 ml	091923	09/19/2026	05/31/2024 / bin	02/09/2024 / bin	M5800

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57033 / As, 1000 PPM, 125 ml	111323	11/13/2026	02/09/2024 / bin	02/09/2024 / bin	M5801

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57051 / Sb, 1000 PPM, 125 ml	120523	12/05/2026	08/07/2024 / jaswal	01/03/2024 / jaswal	M5802

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58111 / Na, 10000 PPM, 500 ml	122223	12/22/2026	08/01/2024 / Jaswal	01/03/2024 / jaswal	M5806

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57115 / P, 10000 PPM, 125 ml	041723	04/17/2026	05/21/2024 / Jaswal	02/09/2024 / jaswal	M5815

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57016 / S, 1000 PPM, 125 ml	122923	12/29/2026	05/20/2024 / Jaswal	02/09/2024 / jaswal	M5816

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57116 / S, 10000 PPM, 125 ml	071123	07/11/2026	03/01/2024 / jaswal	02/09/2024 / jaswal	M5817

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57014 / Si, 1000 PPM, 125 ml	122023	12/20/2026	03/06/2024 / jaswal	02/09/2024 / jaswal	M5818

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58030 / Zinc, Zn, 500 ml, 1000 PPM	111623	11/16/2026	03/20/2024 / jaswal	02/09/2024 / jaswal	M5819

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57015 / P, 1000 PPM, 125 ml	091123	09/11/2026	05/01/2024 / jaswal	02/09/2024 / jaswal	M5820

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
EPA	PART A / ICSA (ICPMS) STOCK SOLN	CP-MS ICSA-0803	04/30/2025	04/17/2024 / jaswal	07/14/2022 / jaswal	M5873

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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

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 #
Seidler Chemical	BA-9598-34 / Nitric Acid, Instra-Analyzed (cs/4x2.5L)	24B1362001	01/04/2025	07/05/2024 / Jaswal	07/03/2024 / Al-Terek	M5965

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

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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

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

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57082 / Pb, 1000 PPM, 125 ml	061224	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

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	02/01/2025	08/06/2024 / Janvi	08/01/2024 / Janvi	M6039

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9530-33 / Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)	24D1562005	02/08/2025	08/09/2024 / jaswal	08/01/2024 / Janvi	M6040

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	IV-STOCK-12 / ICP-MS TUNING SOLUTION, 125mL	U2-MEB734294	06/21/2028	08/21/2024 / Jaswal	08/19/2024 / Jaswal	M6055

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	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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529

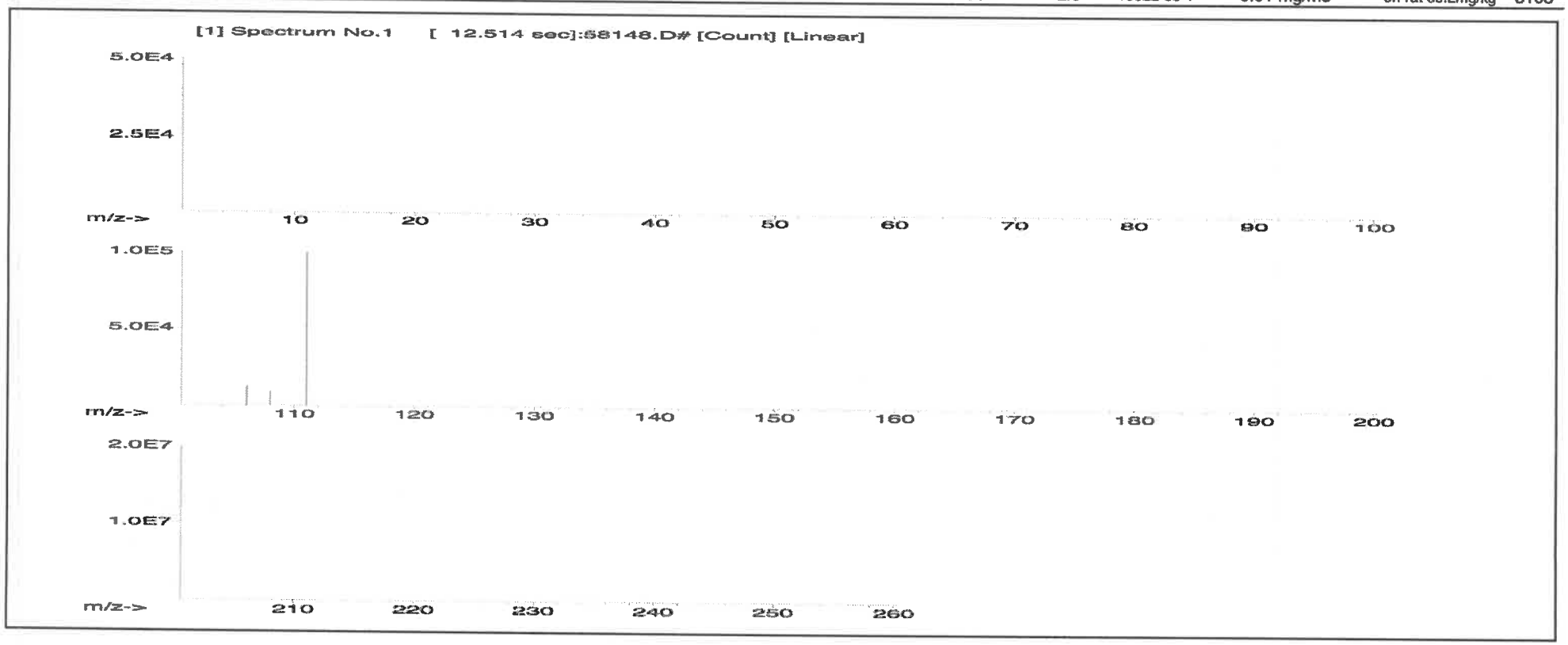
CERTIFIED WEIGHT REPORT:

Part Number:	**57048**		**Lot #**		
Lot Number:	**070124**	**Solvent:**	24002546	Nitric Acid	
Description:	**Cadmium (Cd)**	2%	40.0 (mL)	Nitric Acid	
Expiration Date:	070127				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.07	0.100	Flask Uncertainty		

Aleah O'Brady

Formulated By:	Aleah O'Brady	070124
Reviewed By:	Pedro L. Rentas	070124

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Cadmium nitrate tetrahydrate (Cd)	IN024	CDM092021A1	1000	99.999	0.10	36.5	5.4797	5.4804	**1000.1**	**2.0**	10022-68-1	0.01 mg/m3	orl-rat 60.2mg/kg	3108



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	T	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

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: 57182
Lot Number: 110923
Description: Lead (Pb)

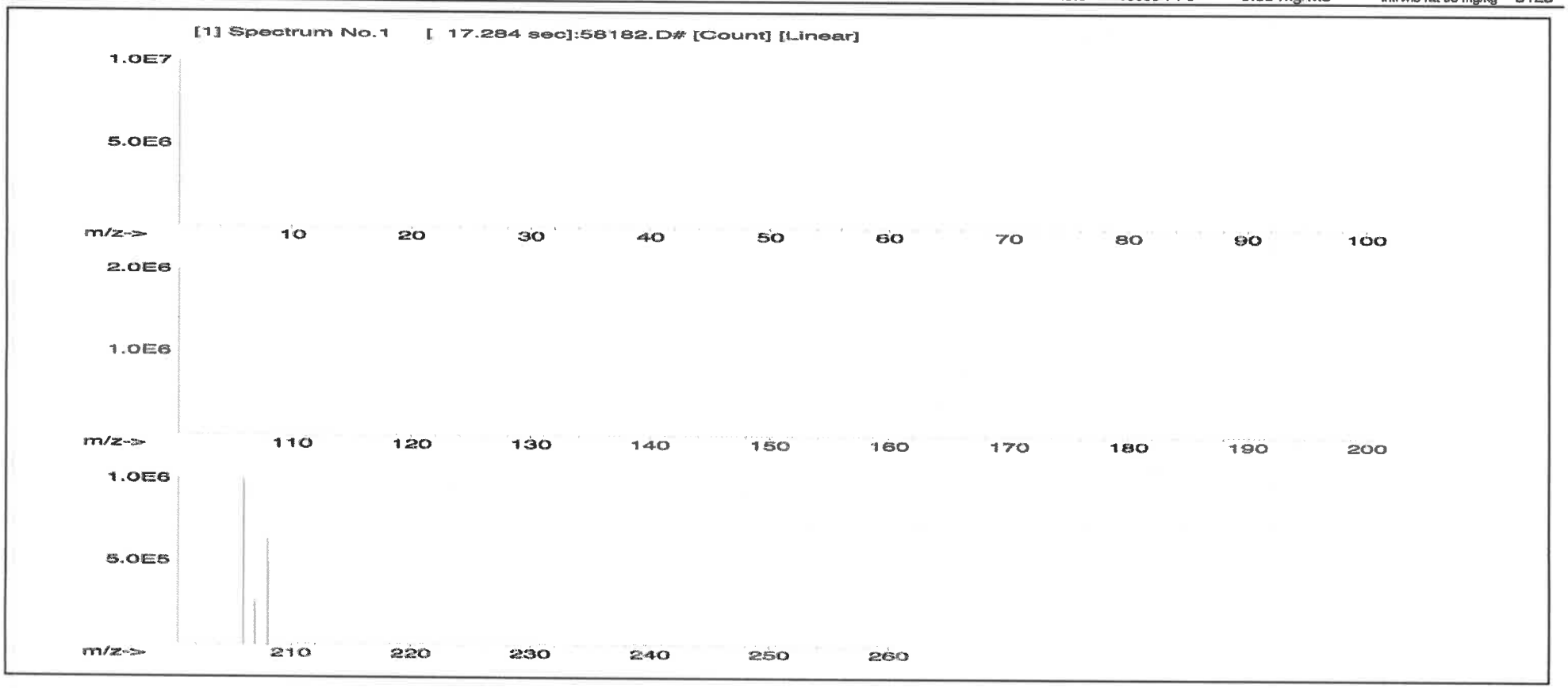
Expiration Date: 110926
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 2000.02

	Lot #		
Solvent:	24002546	Nitric Acid	
2%	40.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

Formulated By:	Lawence Barry	110923
Reviewed By:	Pedro L. Rentas	110923

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Lead(II) nitrate (Pb)	IN029	PBD122016A1	10000	99.999	0.10	62.5	32.0006	32.0040	**10001.1**	**20.0**	10099-74-8	0.05 mg/m3	intrvns-rat 93 mg/kg	3128



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	T	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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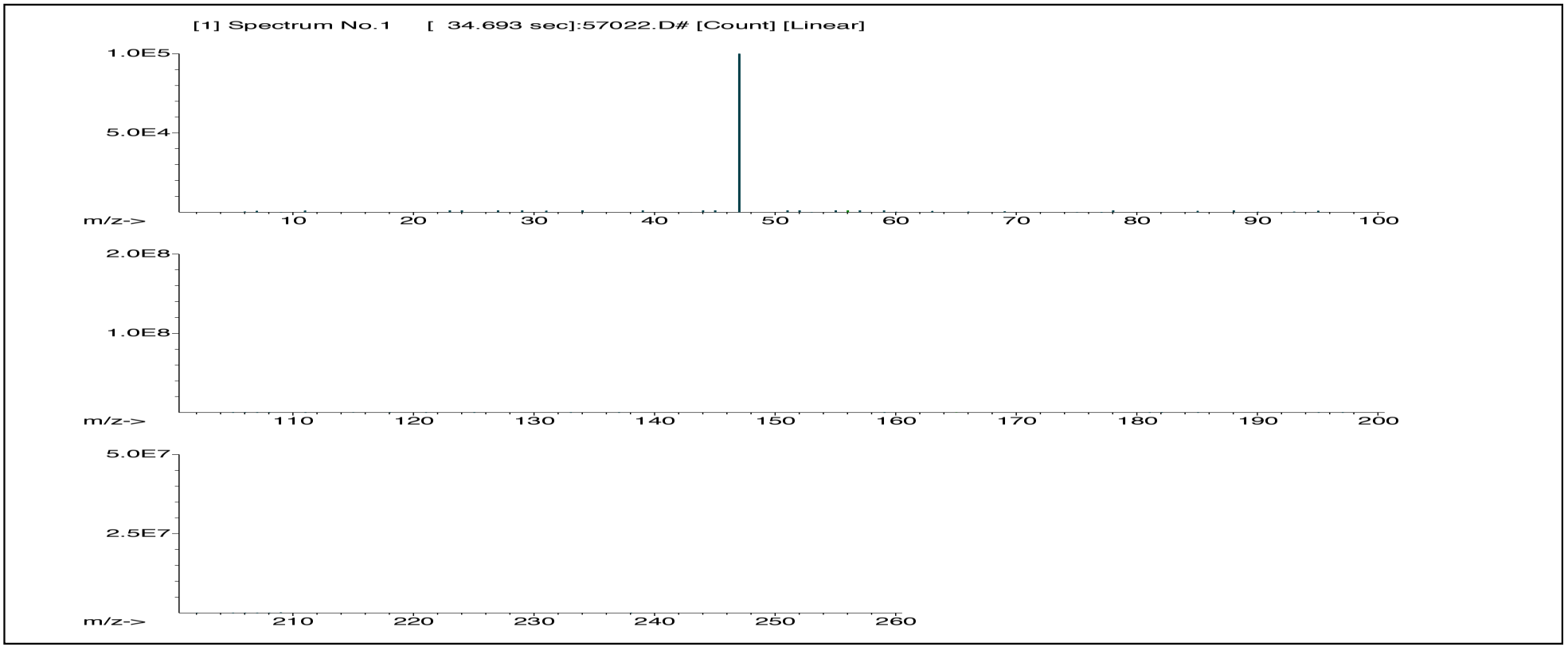
CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:	
Part Number:	**57022**	20370011	Nitric Acid	
Lot Number:	**070721**			
Description:	**Titanium (Ti)**			
		2.0%	40.0	Nitric Acid
Expiration Date:	070724		(mL)	
Recommended Storage:	Ambient (20 ºC)			
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 070721
Reviewed By:	Pedro L. Rentas 070721

533

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette	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 hexafluorotitanate (Ti)	58122	070120	0.1000	200.0	0.084	1000	10000.1	**1000.0**	**2.2**	16962-40-6	2.5 (F) mg/m3	NA	3162a



534

Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	T	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:



* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
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* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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M5192 R: 06/17/22

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535

CERTIFIED WEIGHT REPORT:

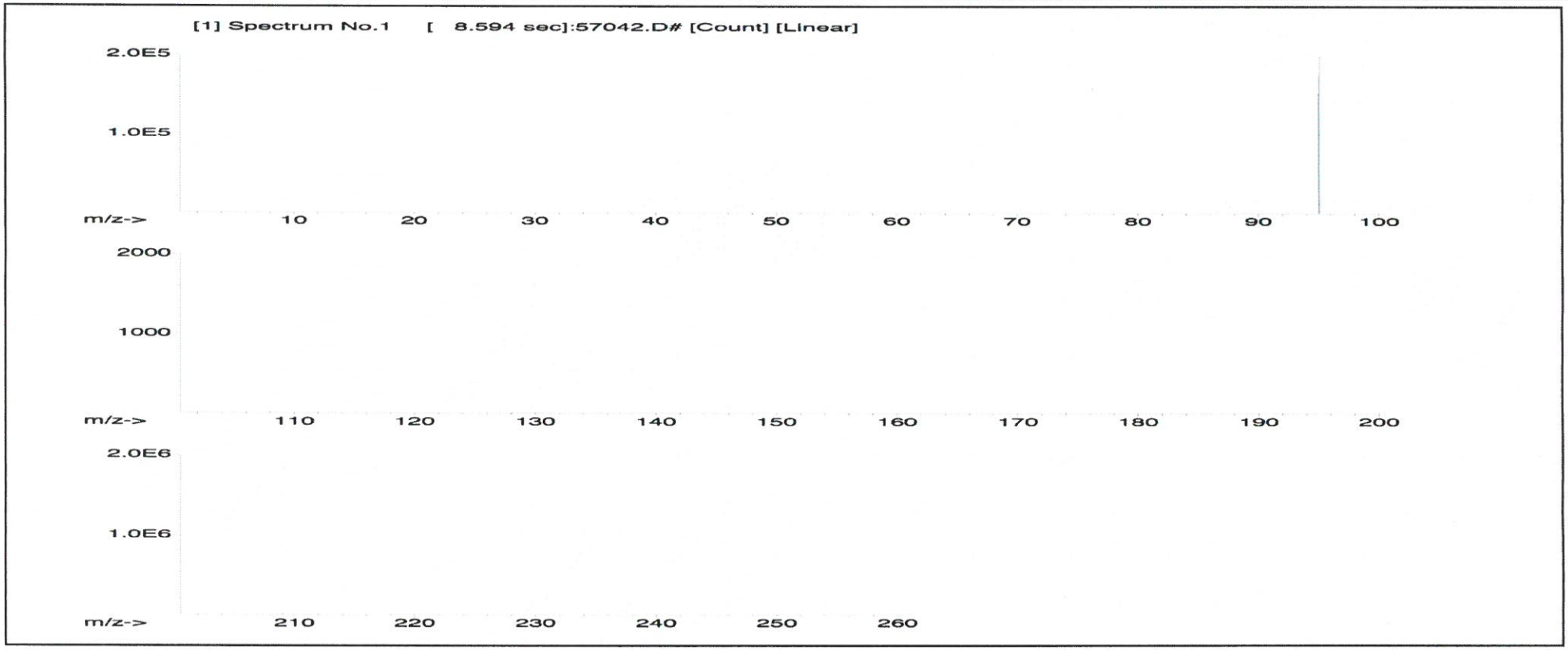
Part Number: 57042
Lot Number: 051722
Description: Molybdenum (Mo)
Expiration Date: 051725
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB
Volume shown below was diluted to (mL): 3000.41

Lot #	Solvent:		
MKBQ8597V	Ammonium hydroxide		
0.5%	15.0 (mL)	Ammonium hydroxide	
	5E-05	Balance Uncertainty	
	0.058	Flask Uncertainty	

Formulated By: Lawrence Barry 051722

Reviewed By: Pedro L. Rentas 051722

	Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1.	Ammonium molybdate (Mo)	58142	022222	0.1000	300.0	0.084	1000	10001.0	**1000.0**	**2.1**	13106-76-8	5 mg(Mo)/m3	orl-rat 333 mg/kg	3134



536

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.

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* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
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* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

M5227 R: 10/18/2021

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CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:	
Part Number:	**57023**	20370011	Nitric Acid	
Lot Number:	**100121**			
Description:	**Vanadium (V)**			
		2.0%	60.0 (mL)	Nitric Acid
Expiration Date:	100124			
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):	3000.4	0.06	Flask Uncertainty	

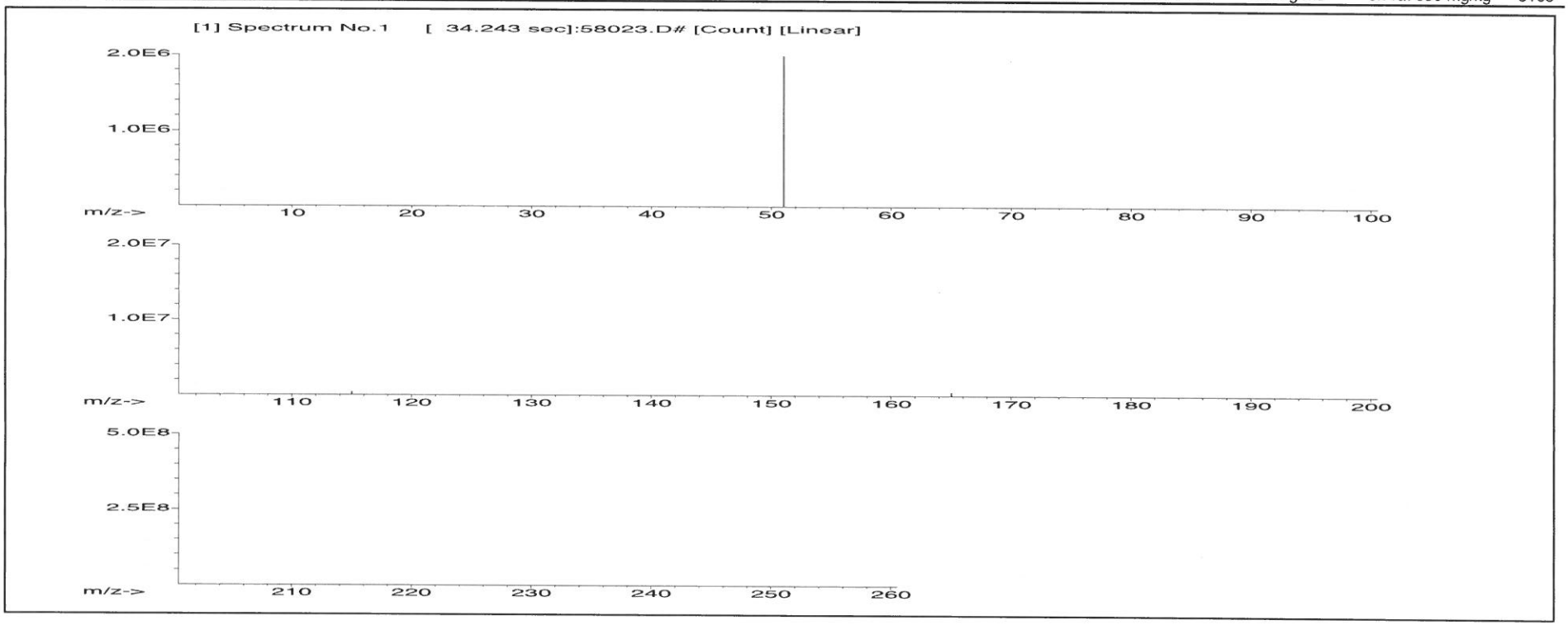
Giovanni Esposito

Formulated By:	Giovanni Esposito	100121

Pedro Rentas

Reviewed By:	Pedro L. Rentas	100121

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	070721	0.1000	300.0	0.084	1000	10000.4	**1000.0**	**2.1**	7803-55-6	1.0 mg/m3	orl-rat 630 mg/kg	3165



537

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	T
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:



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* 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).

538

V15200 R: 04/24/22 (BP)

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539

CERTIFIED WEIGHT REPORT:

Part Number: 58119
Lot Number: 071122
Description: Potassium (K)

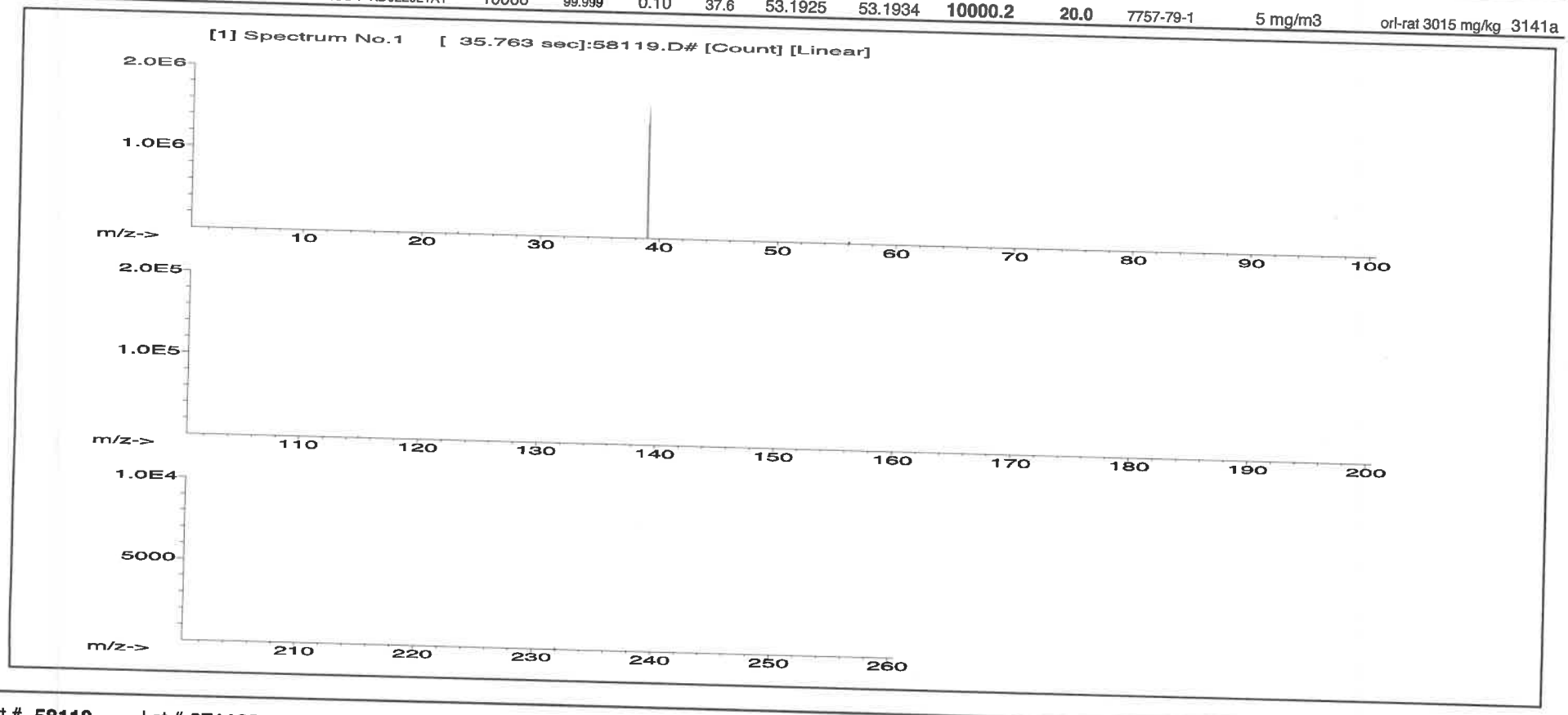
Expiration Date: 071125
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 2000.02

		Lot #	
Solvent:	20510011		Nitric Acid
2%	40.0 (mL)		Nitric Acid
5E-05	Balance Uncertainty		
0.058	Flask Uncertainty		

Formulated By: Lawrence Barry 071122

Reviewed By: Pedro L. Rentas 071122

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Potassium nitrate (K)	IN034	KD022021A1	10000	99.999	0.10	37.6	53.1925	53.1934	**10000.2**	**20.0**	7757-79-1	5 mg/m3	orl-rat 3015 mg/kg	3141a



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	T	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

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M5289 R: 07/12/22 (BH)

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CERTIFIED WEIGHT REPORT:

Part Number: 58113
Lot Number: 070622
Description: Aluminum (Al)

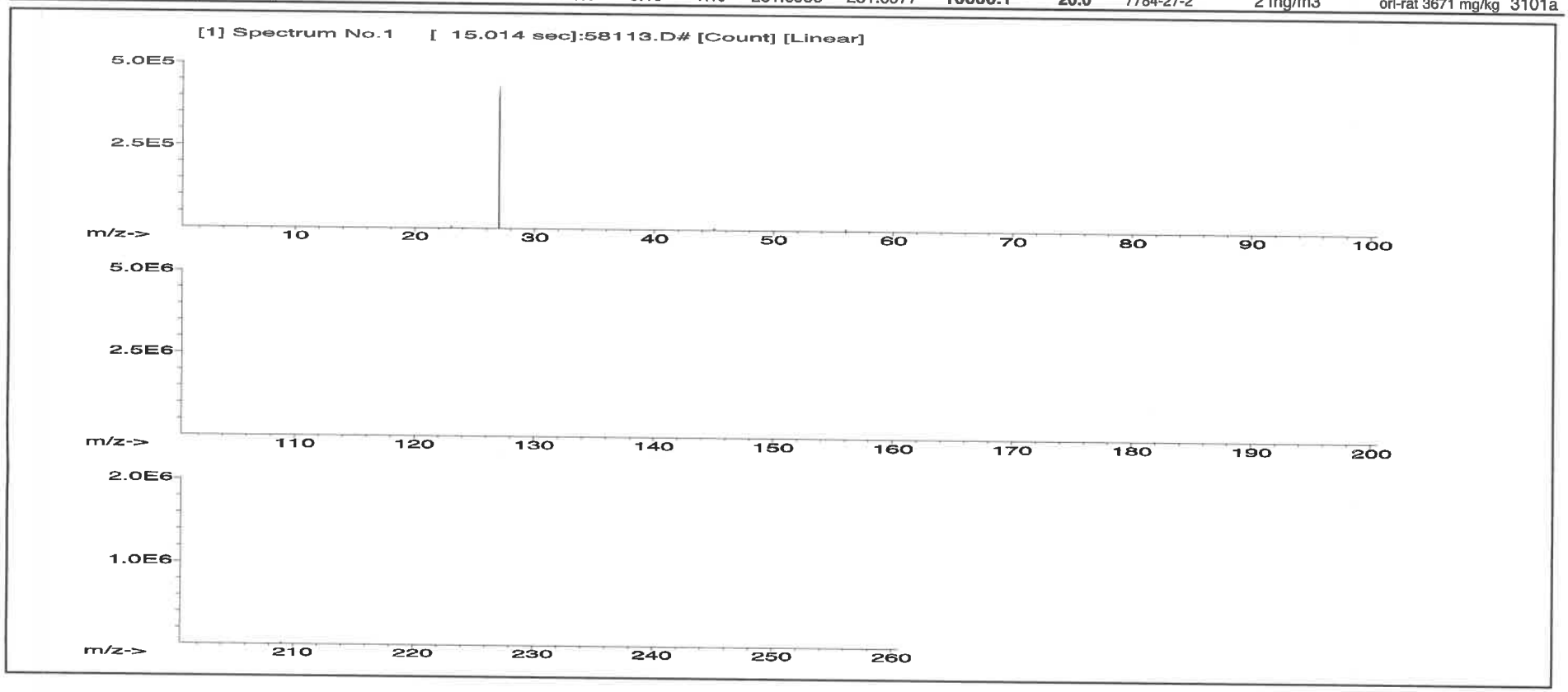
Expiration Date: 070625
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 2000.02

	Lot #		
Solvent:	20370011	Nitric Acid	
2%	40.0 (mL)	Nitric Acid	
	5E-05	Balance Uncertainty	
	0.058	Flask Uncertainty	

Formulated By: Lawrence Barry 070622

Reviewed By: Pedro L. Rentas 070622

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Aluminum nitrate nonahydrate (Al)	IN022	ALD012021A1	10000	99.999	0.10	7.10	281.6956	281.6977	**10000.1**	**20.0**	7784-27-2	2 mg/m3	orl-rat 3671 mg/kg	3101a



Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	T	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

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QATS LABORATORY INORGANIC REFERENCE MATERIAL INITIAL CALIBRATION VERIFICATION SOLUTIONS (ICV1, ICV5, AND ICV6)

NOTE: These instructions are for advisory purposes only. If any apparent conflict exists between these instructions and the analytical protocol or your contract, disregard these instructions.

APPLICATION: For use with the CLP SFAM01.0 SOW and revisions.

CAUTION: Read instructions carefully before opening bottle(s) and proceeding with the analyses.

Contains Metals in Dilute Acidic or Cyanide in Basic Aqueous Solutions
HAZARDOUS MATERIAL

Safety Data Sheets Available Upon Request

M5291
M5292
M5293
M5294
M5295

(A) *SAMPLE DESCRIPTION*

Enclosed is a set of one (1) or more Aqueous Inorganic Reference Materials containing various analyte concentrations. ICV1 and ICV5 are in a matrix of dilute nitric acid. ICV6 is in a matrix of dilute basic solution. **For the reference material source in reporting ICVs use "USEPA". For the reference material lot number for the ICV1, ICV5, and ICV6 solutions use "ICV1-1014", "ICV5-0415", and "ICV6-0400", respectively.**

(B) *BREAKAGE OR MISSING ITEMS*

Check the contents of the shipment carefully for any broken, leaking, or missing items. Check that the seal is intact on each bottle. Refer to the enclosed chain of custody record. Report any problems to Mr. Keith Strout, APTIM Federal Services, LLC, at (702) 895-8722. If requested, return the chain-of-custody record with appropriate annotations and signatures to the address provided below.

QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY
APTIM Federal Services, LLC
2700 Chandler Avenue - Building C
Las Vegas, NV 89120

(C) *ANALYSIS OF SAMPLES*

The Initial Calibration Verification Solutions (ICVs) are to be used to evaluate the accuracy of the initial calibrations of ICP, AA, and Cyanide colorimetric instruments, and are to be used with the CLP SOWs and revisions. The values for each element in the ICVs are listed below in µg/L (ppb) for the resulting solution(s) after the dilution of the concentrate(s) according to the following instructions. Use Class 'A' glassware to prepare the solution(s).

ICV1-1014 For ICP-AES analysis, use a 10-fold dilution by pipetting 10 mL of the ICV1 concentrate into a 100 mL volumetric flask and dilute to volume with 2% (v/v) nitric acid.

ICV1-1014 For ICP-MS analysis, use a 50-fold dilution by pipetting 2 mL of the ICV1 concentrate into a 100 mL volumetric flask and dilute to volume with 1% (v/v) nitric acid.

ICV5-0415 For the cold vapor analysis of mercury by AA, use a 100-fold dilution by pipetting 1 mL of the ICV5 concentrate into a 100 mL volumetric flask and dilute to volume with 2% (v/v) nitric acid. The ICV5 concentrate is prepared in 0.05% (w/v) $K_2Cr_2O_7$ and 5% (v/v) nitric acid.

ICV6-0400 For the analysis of cyanide, use a 100-fold dilution by pipetting 1 mL of the ICV6 concentrate into a 100 mL volumetric flask and dilute to volume with Type II water. Distill this solution along with the samples before analysis. The cyanide concentrate is prepared from $K_3Fe(CN)_6$, Type II water, and 0.1 % sodium hydroxide, and will decompose rapidly if exposed to light.

NOTE: USE TYPE II WATER AND HIGH-PURITY ACIDS FOR ALL DILUTIONS.

(D) *CERTIFIED CONCENTRATIONS OF QATS ICV1, ICV5, AND ICV6 SOLUTIONS*

ICV1-1014		
Element	**Concentration (µg/L) (after 10-fold dilution)**	**Concentration (µg/L) (after 50-fold dilution)**
Al	2500	500
Sb	1000	200
As	1000	200
Ba	520	100
Be	510	100
Cd	510	100
Ca	10000	2000
Cr	520	100
Co	520	100
Cu	510	100
Fe	10000	2000
Pb	1000	200
Mg	6000	1200
Mn	520	100
Ni	530	110
K	9900	2000
Se	1000	200
Ag	250	50
Na	10000	2000
Tl	1000	210
V	500	100
Zn	1000	200

ICV5-0415		ICV6-0400	
Element	**Concentration (µg/L) (after 100-fold dilution)**	**Analyte**	**Concentration (µg/L) (after 100-fold dilution)**
Hg	4.0	**CN^-**	99

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inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	6020CAL-1
Lot Number:	S2-MEB711244
Matrix:	5% (v/v) HNO3 tr. HF
Value / Analyte(s):	20 µg/mL ea:

Silver,	Aluminum,
Arsenic,	Barium,
Beryllium,	Calcium,
Cadmium,	Cobalt,
Chromium,	Copper,
Iron,	Potassium,
Magnesium,	Manganese,
Sodium,	Nickel,
Lead,	Antimony,
Selenium,	Thallium,
Vanadium,	Zinc

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Aluminum, Al	**20.01 ± 0.08 µg/mL**	**Antimony, Sb**	**20.01 ± 0.12 µg/mL**
Arsenic, As	**20.01 ± 0.18 µg/mL**	**Barium, Ba**	**20.01 ± 0.11 µg/mL**
Beryllium, Be	**20.01 ± 0.14 µg/mL**	**Cadmium, Cd**	**20.01 ± 0.11 µg/mL**
Calcium, Ca	**20.01 ± 0.10 µg/mL**	**Chromium, Cr**	**20.01 ± 0.16 µg/mL**
Cobalt, Co	**20.01 ± 0.11 µg/mL**	**Copper, Cu**	**20.01 ± 0.10 µg/mL**
Iron, Fe	**20.01 ± 0.09 µg/mL**	**Lead, Pb**	**20.01 ± 0.11 µg/mL**
Magnesium, Mg	**19.99 ± 0.10 µg/mL**	**Manganese, Mn**	**20.01 ± 0.10 µg/mL**
Nickel, Ni	**20.01 ± 0.11 µg/mL**	**Potassium, K**	**20.01 ± 0.10 µg/mL**
Selenium, Se	**20.02 ± 0.14 µg/mL**	**Silver, Ag**	**20.02 ± 0.09 µg/mL**
Sodium, Na	**20.01 ± 0.10 µg/mL**	**Thallium, Tl**	**20.01 ± 0.13 µg/mL**
Vanadium, V	**20.01 ± 0.11 µg/mL**	**Zinc, Zn**	**20.01 ± 0.11 µg/mL**

Density: 1.026 g/mL (measured at 20 ± 4 ºC)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	160729
Ag	Volhard	999c	999c
Al	ICP Assay	3101a	140903
Al	EDTA	928	928
As	ICP Assay	3103a	100818
Ba	ICP Assay	3104a	140909
Ba	Gravimetric		See Sec. 4.2
Be	ICP Assay	3105a	090514
Ca	ICP Assay	3109a	130213
Ca	EDTA	928	928
Cd	ICP Assay	3108	130116
Cd	EDTA	928	928
Co	ICP Assay	3113	190630
Co	EDTA	928	928
Cr	ICP Assay	3112a	170630
Cu	ICP Assay	3114	121207
Cu	EDTA	928	928
Fe	ICP Assay	3126a	140812
Fe	EDTA	928	928
Fe	Calculated		See Sec. 4.2
K	ICP Assay	3141a	140813
K	Gravimetric		See Sec. 4.2
Mg	ICP Assay	3131a	140110
Mg	EDTA	928	928
Mn	ICP Assay	3132	050429
Mn	EDTA	928	928
Na	ICP Assay	3152a	120715
Na	Gravimetric		See Sec. 4.2
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
Pb	ICP Assay	3128	101026
Pb	EDTA	928	928
Se	ICP Assay	3149	100901
Se	Calculated		See Sec. 4.2
Tl	ICP Assay	3158	151215
Tl	Calculated		See Sec. 4.2
V	ICP Assay	3165	160906
V	EDTA	928	928
Zn	ICP Assay	3168a	120629
Zn	EDTA	928	928

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

HF Note: This standard should not be prepared or stored in glass.

Low Silver Note: This solution contains “LOW” levels of Silver. Please store this entire bottle inside a sealed glass jar.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

October 20, 2021

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **October 20, 2026**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Michael Booth
Director, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



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R:09/08/22 (BH)

Certified Reference Material CRM

M5387 . M5389 . M5390 . M5391 . M5392

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549

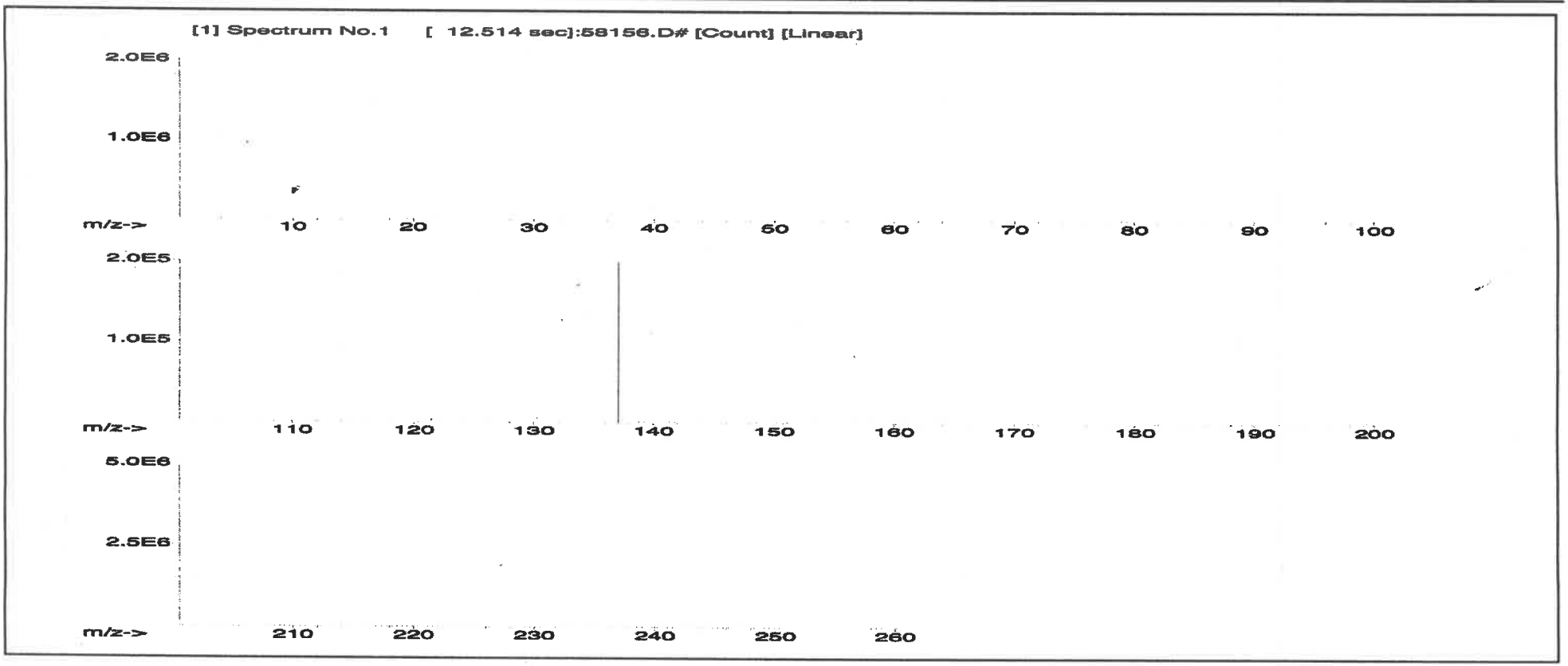
CERTIFIED WEIGHT REPORT:

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).

OCS

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Certified Reference Material CRM

M5497 - M5498 R: 03/17/23 BH

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CERTIFIED WEIGHT REPORT:

Part Number: 58120
Lot Number: 031523
Description: Calcium (Ca)

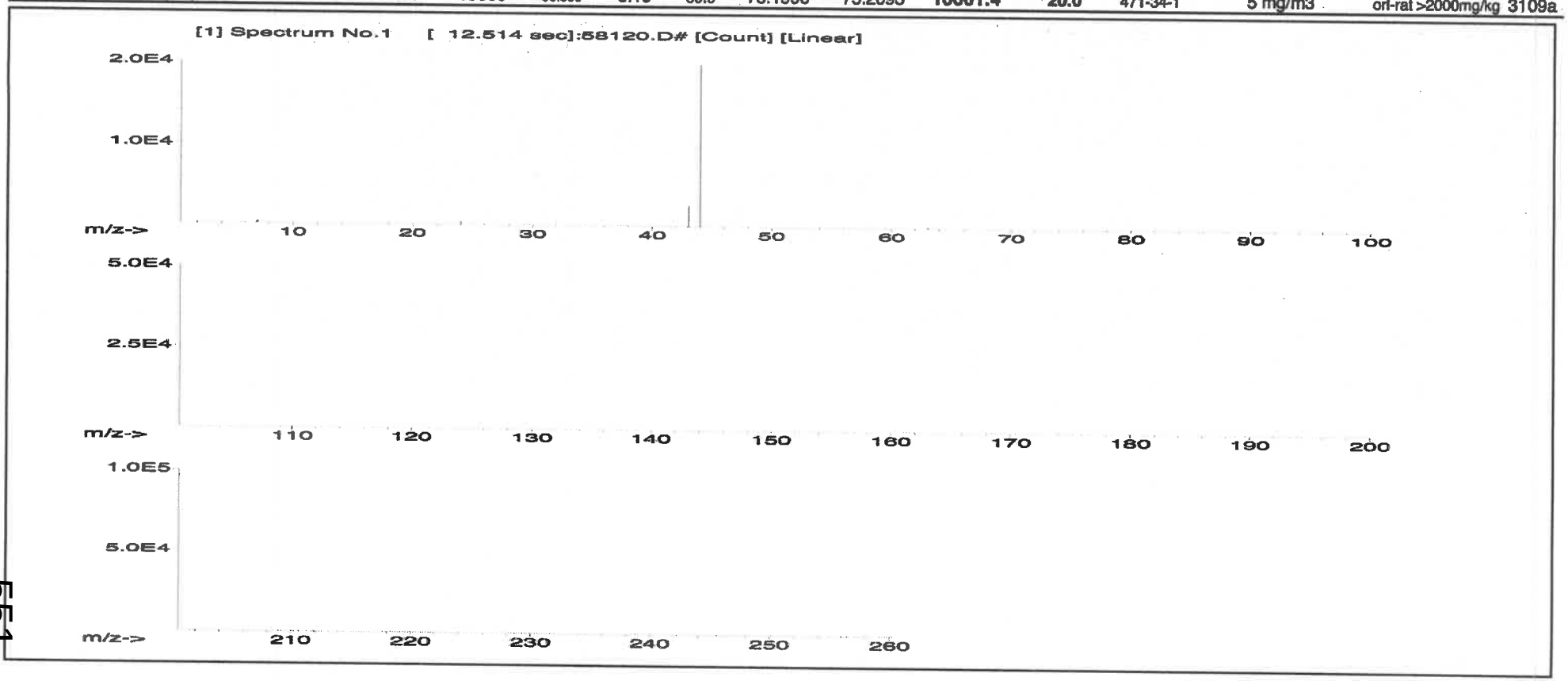
Expiration Date: 031526
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 3000.41

	Lot #		
Solvent:	21110221	Nitric Acid	
2%	60.0 (mL)	Nitric Acid	
	5E-05	Balance Uncertainty	
	0.058	Flask Uncertainty	

Giovanni Esposito
Formulated By: Giovanni Esposito 031523

Pedro Rentas
Reviewed By: Pedro L. Rentas 031523

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Calcium carbonate (Ca)	IN014	CAD072022A1	10000	99.999	0.10	39.9	75.1990	75.2093	**10001.4**	**20.0**	471-34-1	5 mg/m3	orl-rat >2000mg/kg	3109a



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	T	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* 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

MS513 R:03/17/23

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CERTIFIED WEIGHT REPORT:

Part Number: 57182
Lot Number: 061522
Description: Lead (Pb)

Expiration Date: 061525
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 2000.02

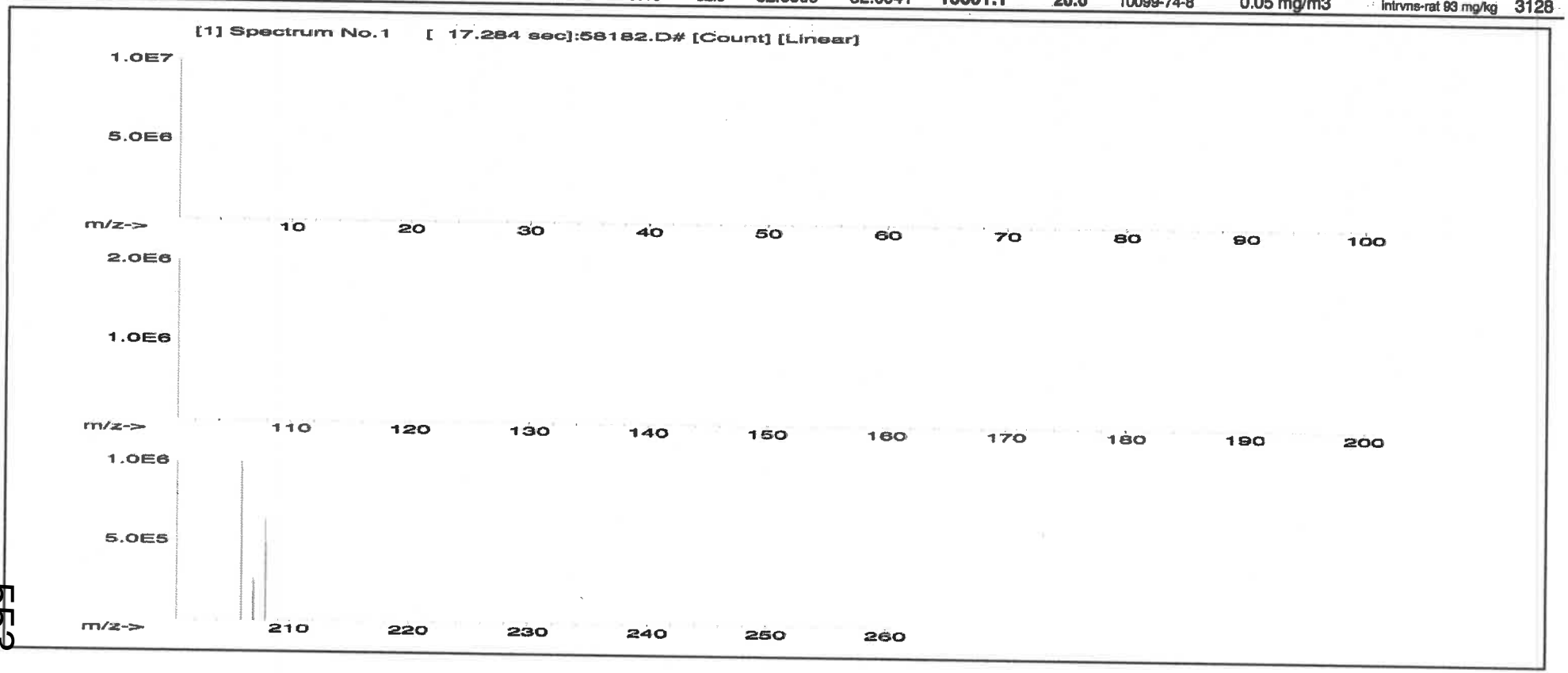
	Lot #		
Solvent:	20510011	Nitric Acid	
2%	40.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

Giovanni Esposito

Formulated By:	Giovanni Esposito	061522
Reviewed By:	Pedro L. Rentas	061522

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Lead(II) nitrate (Pb)	IN029	PBD122016A1	10000	99.999	0.10	62.5	32.0006	32.0041	**10001.1**	**20.0**	10099-74-8	0.05 mg/m3	Intrvns-rat 93 mg/kg	3128



553

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	T	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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Certified Reference Material CRM

M5514 - M5515 R: 03/17/22

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CERTIFIED WEIGHT REPORT:

Part Number: 58126
Lot Number: 092122
Description: Iron (Fe)

Expiration Date: 092125
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 5000.1 ± 0.12 Flask Uncertainty

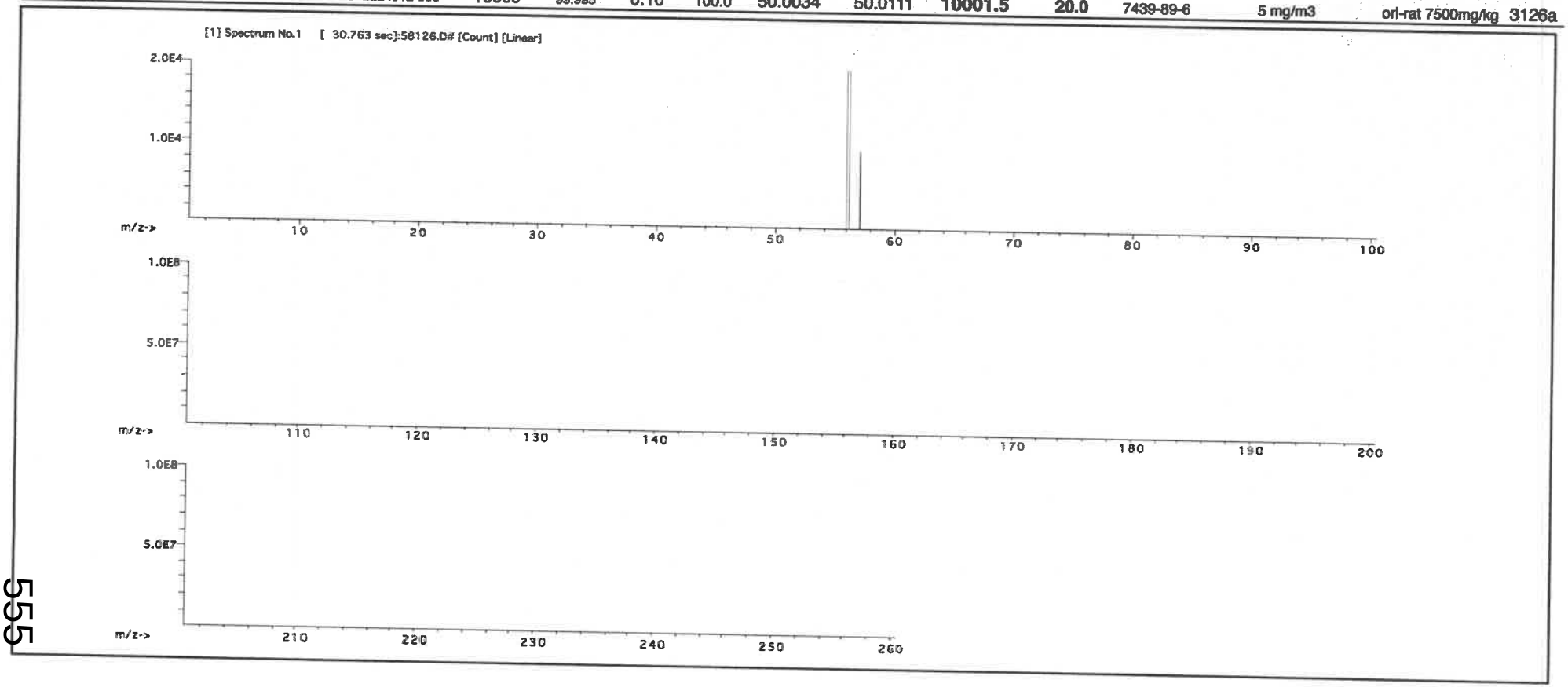
	Lot #		
Solvent:	20510011	Nitric Acid	
7.0%	350.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty

Giovanni Esposito
Formulated By: Giovanni Esposito 092122

Pedro Rentas
Reviewed By: Pedro L. Rentas 092122

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Iron (Fe)	IN346	2224912-500	10000	99.995	0.10	100.0	50.0034	50.0111	**10001.5**	**20.0**	7439-89-6	5 mg/m3	orl-rat 7500mg/kg	3126a



555

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.
* 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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800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M5519. M5520 (BH) R:03/17/23

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

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CERTIFIED WEIGHT REPORT:

Part Number: 58119
Lot Number: 120822
Description: Potassium (K)

Expiration Date: 120825
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 3000.4

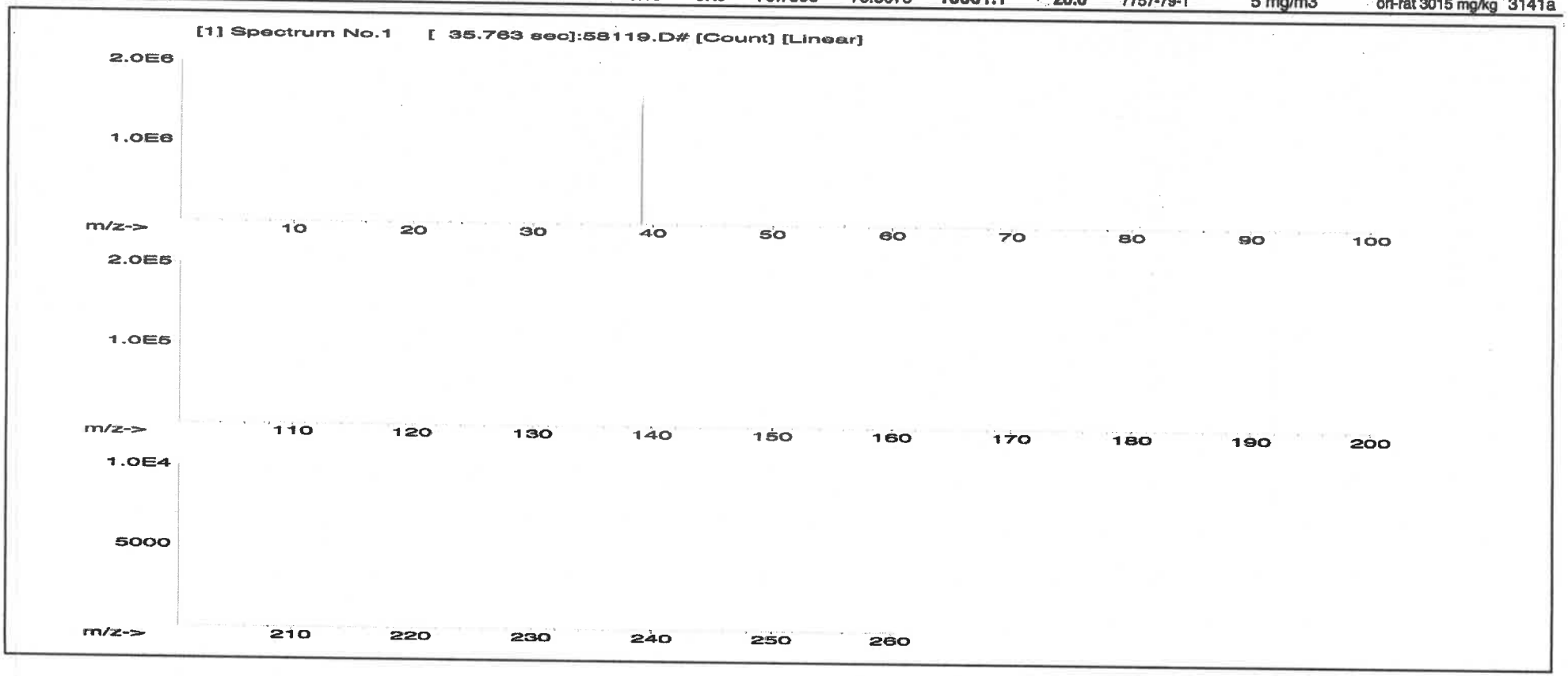
	Lot #		
Solvent:	20510011	Nitric Acid	
2%	60.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty
0.06 Flask Uncertainty

Giovanni Esposito
Formulated By: Giovanni Esposito 120822

Pedro Rentas
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



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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	T	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	CLPP-SPK-1
Lot Number:	T2-MEB721963
Matrix:	7% (v/v) HNO3
Value / Analyte(s):	2 000 µg/mL ea: Aluminum, Barium,
	1 000 µg/mL ea: Iron,
	500 µg/mL ea: Manganese, Nickel, Vanadium, Zinc, Cobalt,
	250 µg/mL ea: Copper,
	200 µg/mL ea: Chromium,
	50 µg/mL ea: Beryllium, Silver

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Aluminum, Al	2 000 ± 7 µg/mL	Barium, Ba	2 000 ± 9 µg/mL
Beryllium, Be	50.00 ± 0.26 µg/mL	Chromium, Cr	200.0 ± 1.1 µg/mL
Cobalt, Co	500.0 ± 2.4 µg/mL	Copper, Cu	250.0 ± 1.0 µg/mL
Iron, Fe	1 000 ± 4 µg/mL	Manganese, Mn	500.0 ± 2.0 µg/mL
Nickel, Ni	500.0 ± 2.2 µg/mL	Silver, Ag	50.00 ± 0.22 µg/mL
Vanadium, V	500.0 ± 2.2 µg/mL	Zinc, Zn	500.0 ± 2.2 µg/mL

Density: 1.070 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	160729
Ag	Volhard	999c	999c
Ag	Calculated		See Sec. 4.2
Al	ICP Assay	3101a	140903
Al	EDTA	928	928
Ba	ICP Assay	3104a	140909
Ba	Gravimetric		See Sec. 4.2
Be	ICP Assay	3105a	090514
Be	Calculated		See Sec. 4.2
Co	ICP Assay	3113	190630
Co	EDTA	928	928
Cr	ICP Assay	3112a	170630
Cu	ICP Assay	3114	121207
Cu	EDTA	928	928
Fe	ICP Assay	3126a	140812
Fe	EDTA	928	928
Mn	ICP Assay	3132	050429
Mn	EDTA	928	928
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
V	IC Assay	3165	160906
V	EDTA	928	928
Zn	ICP Assay	3168a	120629
Zn	EDTA	928	928

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method I with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Note: This solution contains Silver (Ag), please refer to our Sample Preparation Guide for more information.

https://www.inorganicventures.com/sample-preparation-guide/samples-containing-silver

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

July 27, 2022

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- July 27, 2027

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



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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info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	CLPP-SPK-4
Lot Number:	T2-MEB721144
Matrix:	3% (v/v) HNO3
Value / Analyte(s):	100 µg/mL ea: Antimony,
	50 µg/mL ea: Cadmium, Thallium,
	40 µg/mL ea: Arsenic,
	20 µg/mL ea: Lead,
	10 µg/mL ea: Selenium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Antimony, Sb	**99.9 ± 0.8 µg/mL**	**Arsenic, As**	**40.00 ± 0.25 µg/mL**
Cadmium, Cd	**49.96 ± 0.22 µg/mL**	**Lead, Pb**	**19.99 ± 0.10 µg/mL**
Selenium, Se	**10.00 ± 0.06 µg/mL**	**Thallium, Tl**	**49.96 ± 0.32 µg/mL**

Density: 1.014 g/mL (measured at 20 ± 4 °C)

Assay Information:

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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

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u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

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4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- 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: _____

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12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M5658 R ! 8/25/23

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

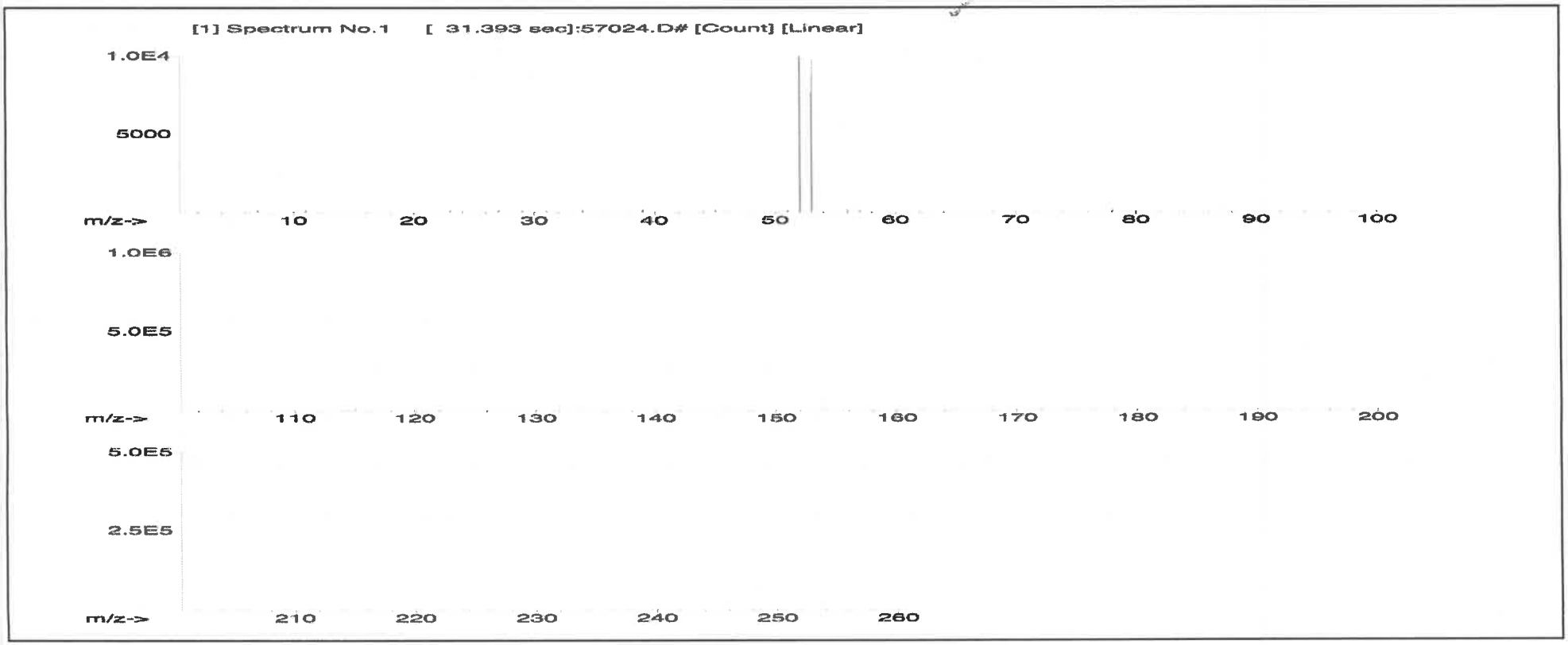
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CERTIFIED WEIGHT REPORT:

		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



569

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	T	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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M5697 R: 10/27/23

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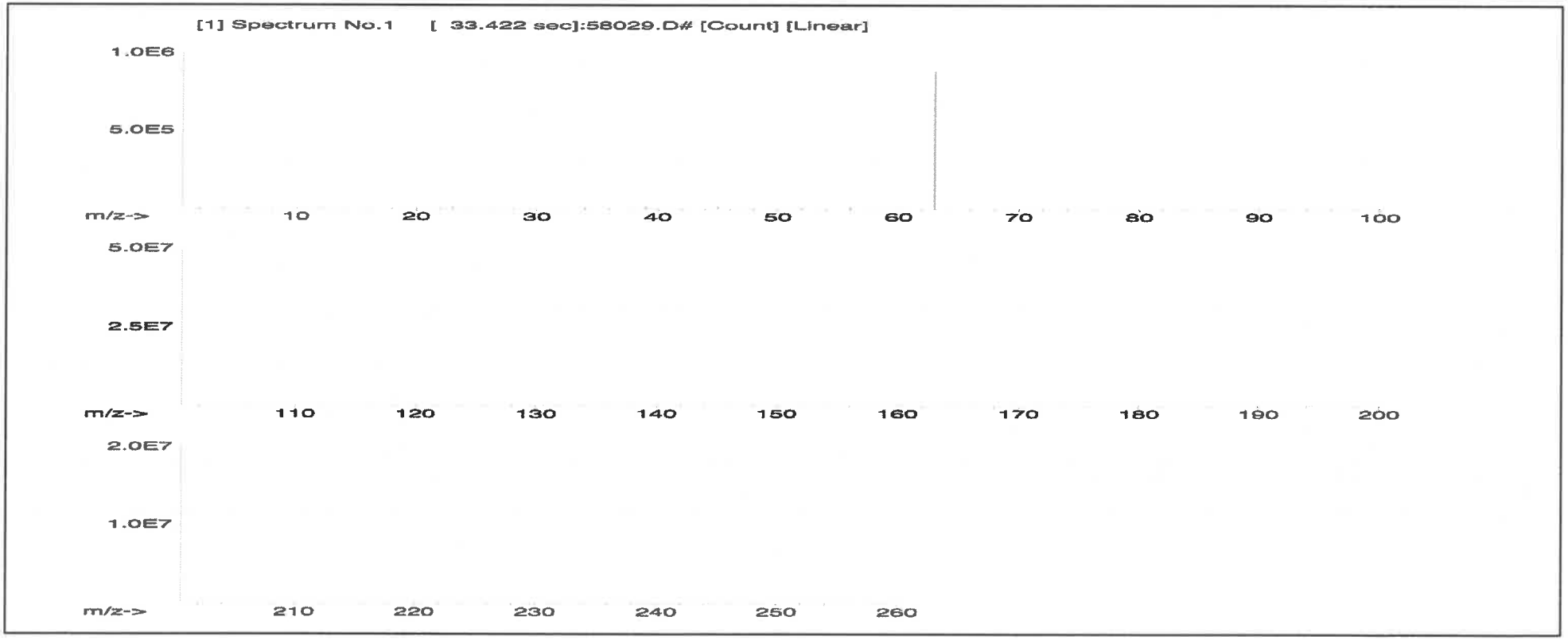
570

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



571

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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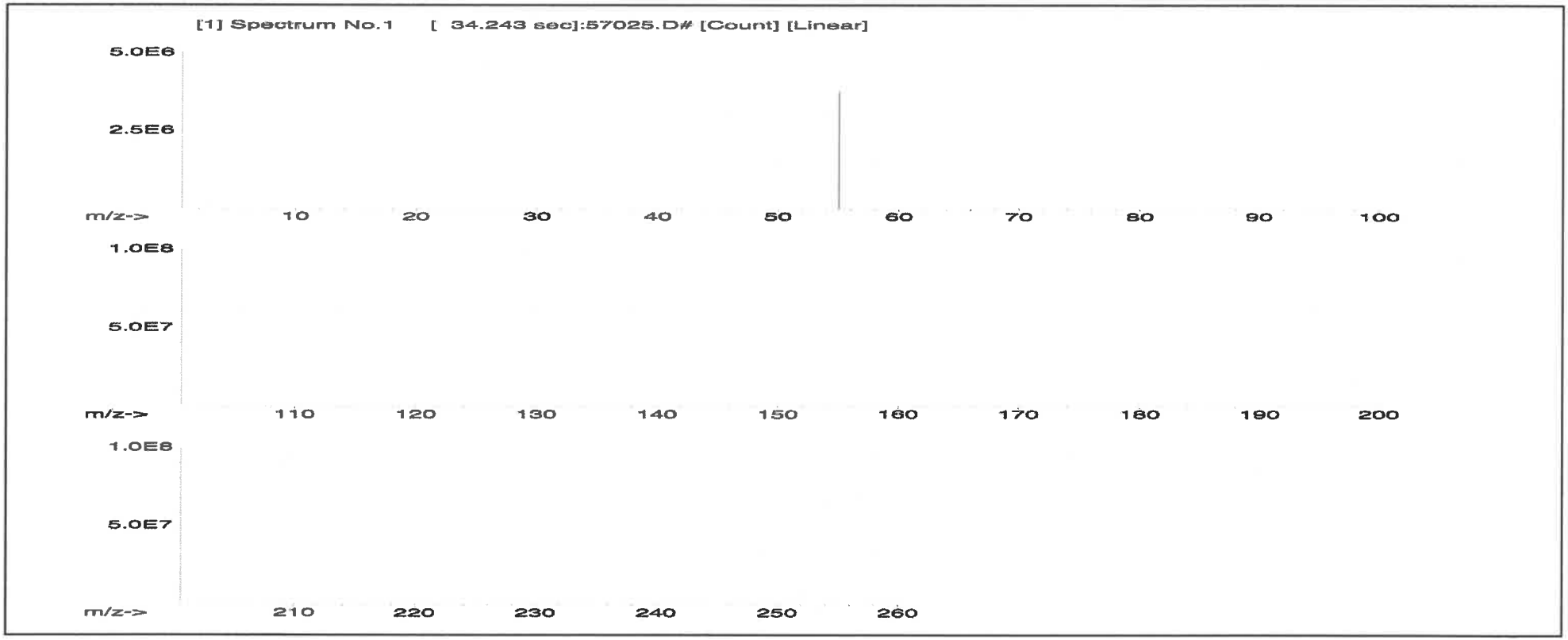
572

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



573

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).
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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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M5768 M5769 (BP) R:1/3/24

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574

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

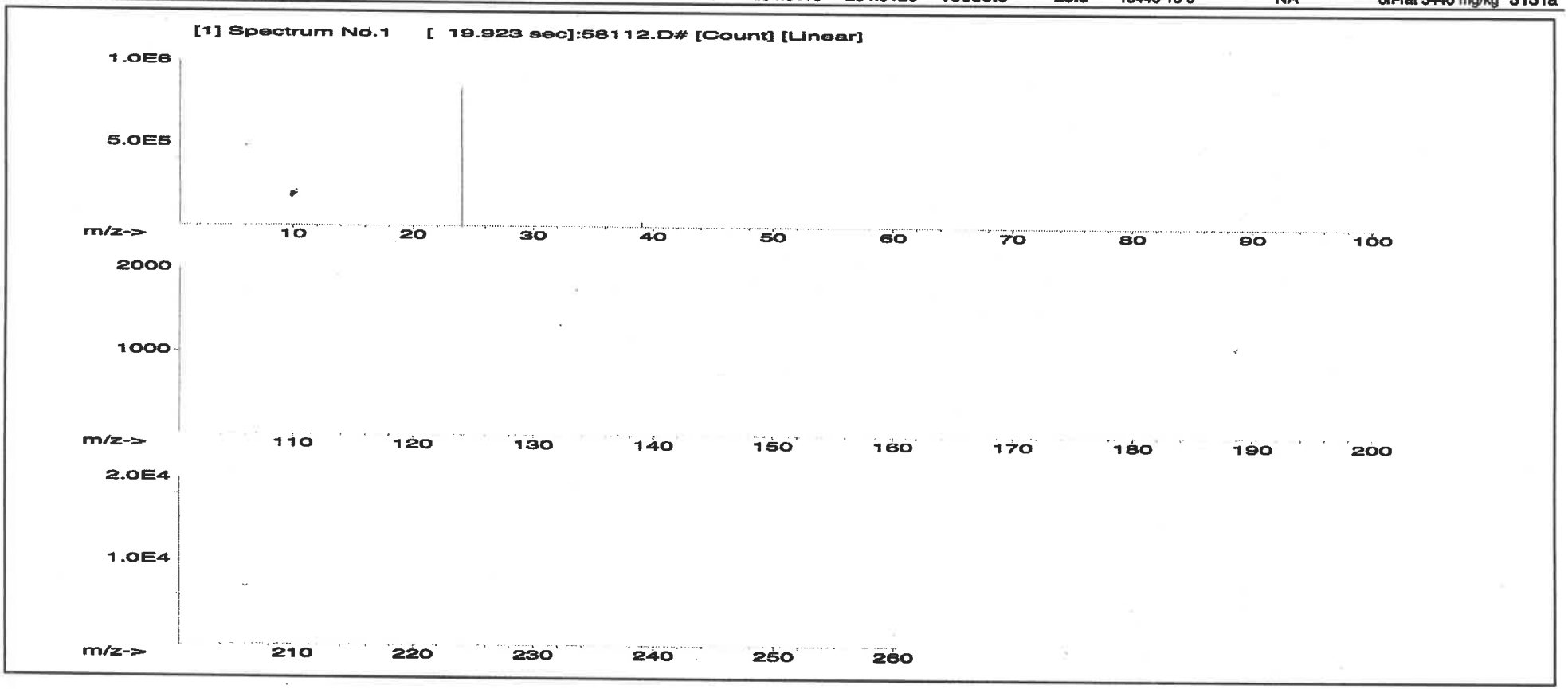
5E-05 Balance Uncertainty

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



575

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	T	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

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* 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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M5768 M5769 (BP) R:1/3/24

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576

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

M5768, M5769 (BP) R: 1/3/24

Weight shown below was diluted to (mL): 2000.02 ± 0.058 Flask Uncertainty

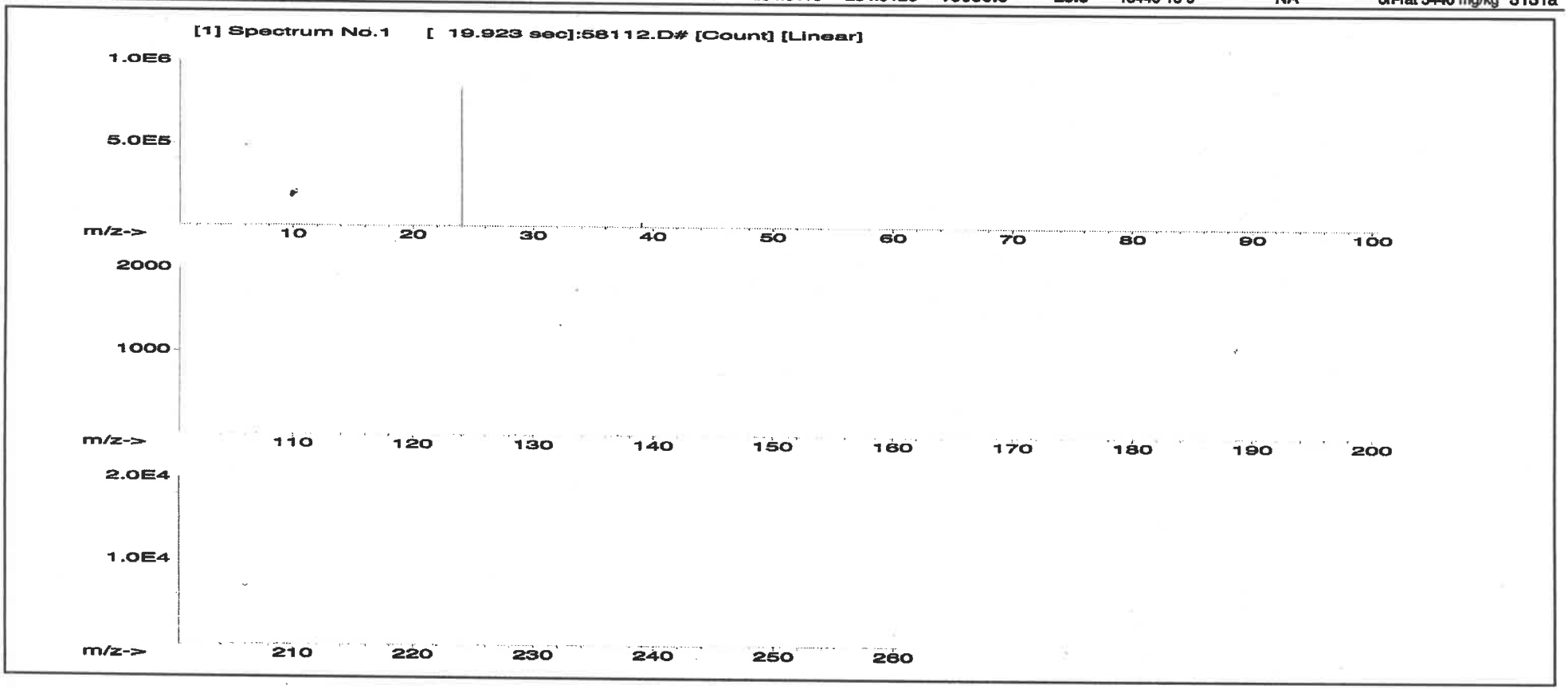
		Lot #	
Solvent:	24002546	Nitric Acid	
	2%	40.0 (mL)	Nitric Acid

5E-05 Balance Uncertainty

Formulated By: 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



577

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.
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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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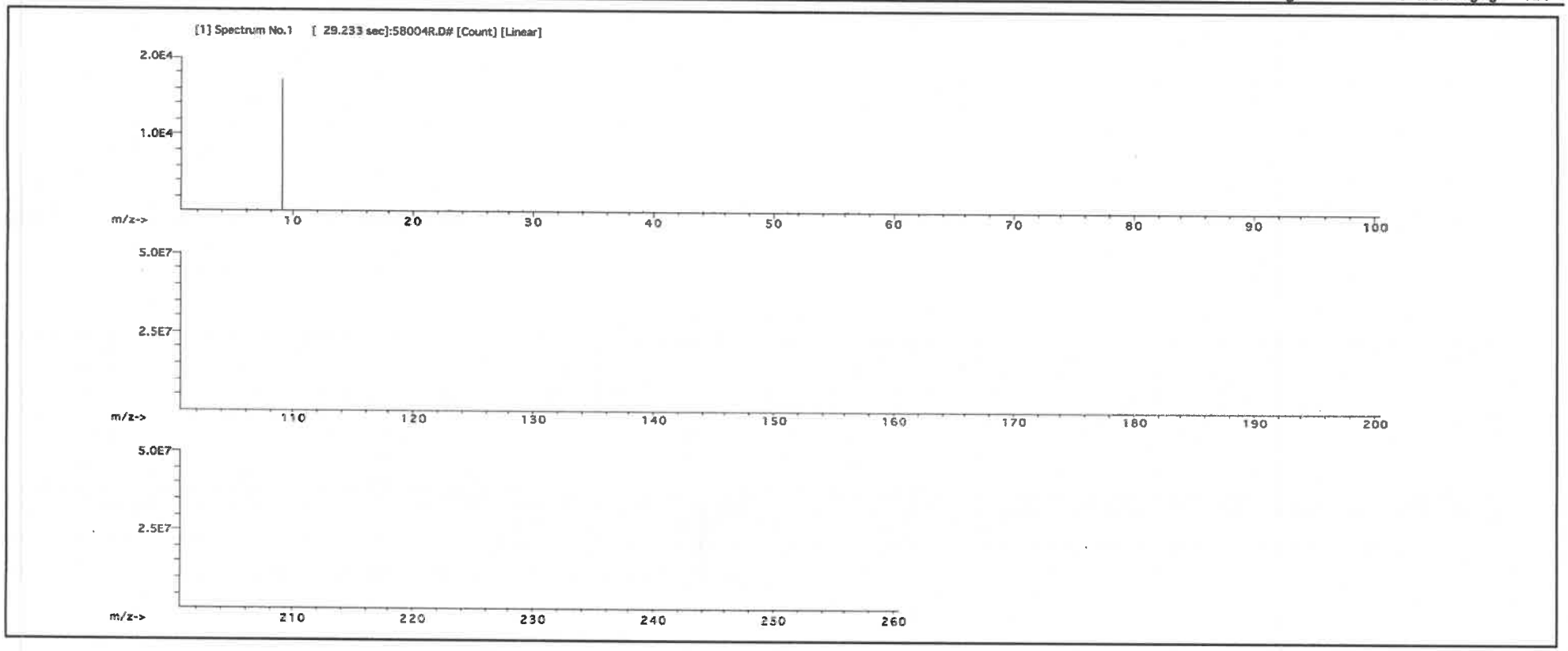
578

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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580

CERTIFIED WEIGHT REPORT:

Part Number: 57050
Lot Number: 071123
Description: Tin (Sn)

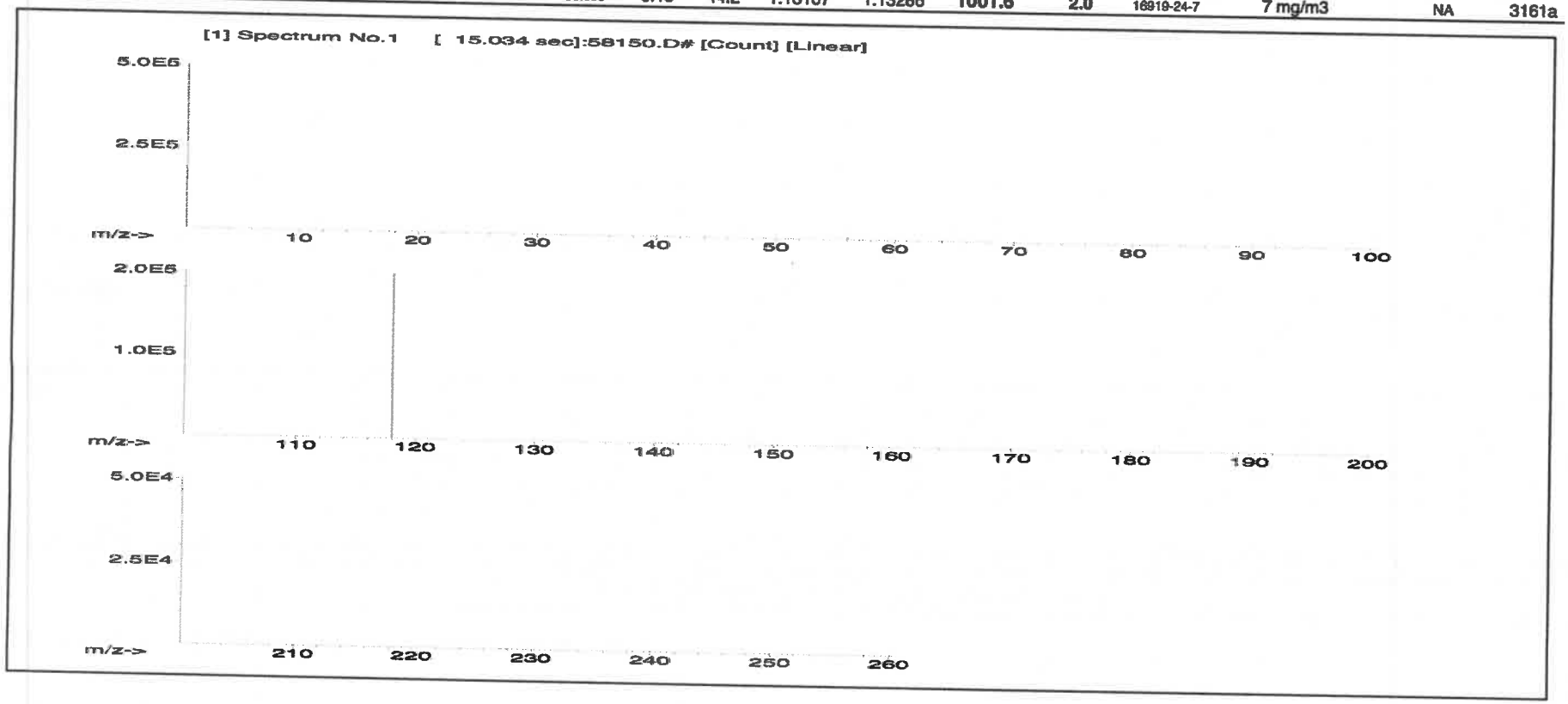
Expiration Date: 071126
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 499.93

	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



581

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<500	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	T	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
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* 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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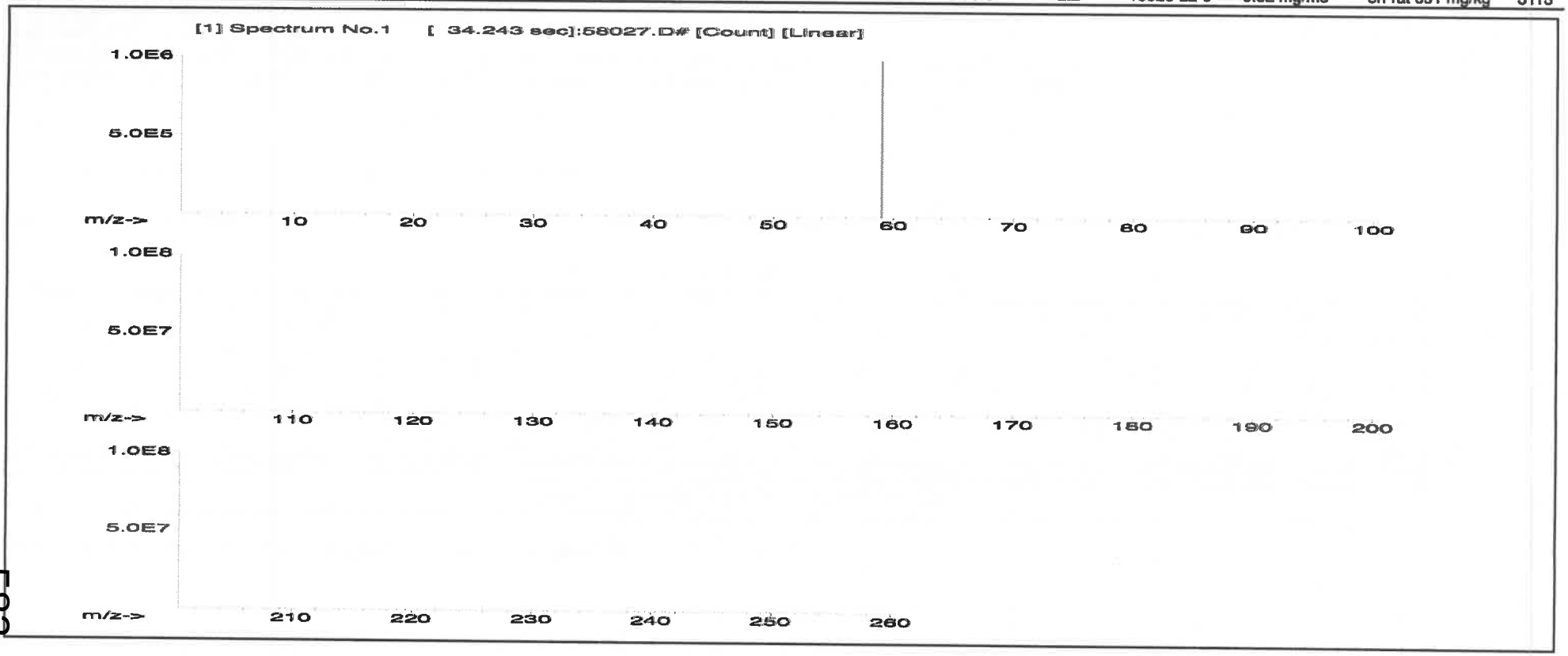
CERTIFIED WEIGHT REPORT:

		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



582

Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	T	Gé	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

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* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

583

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584

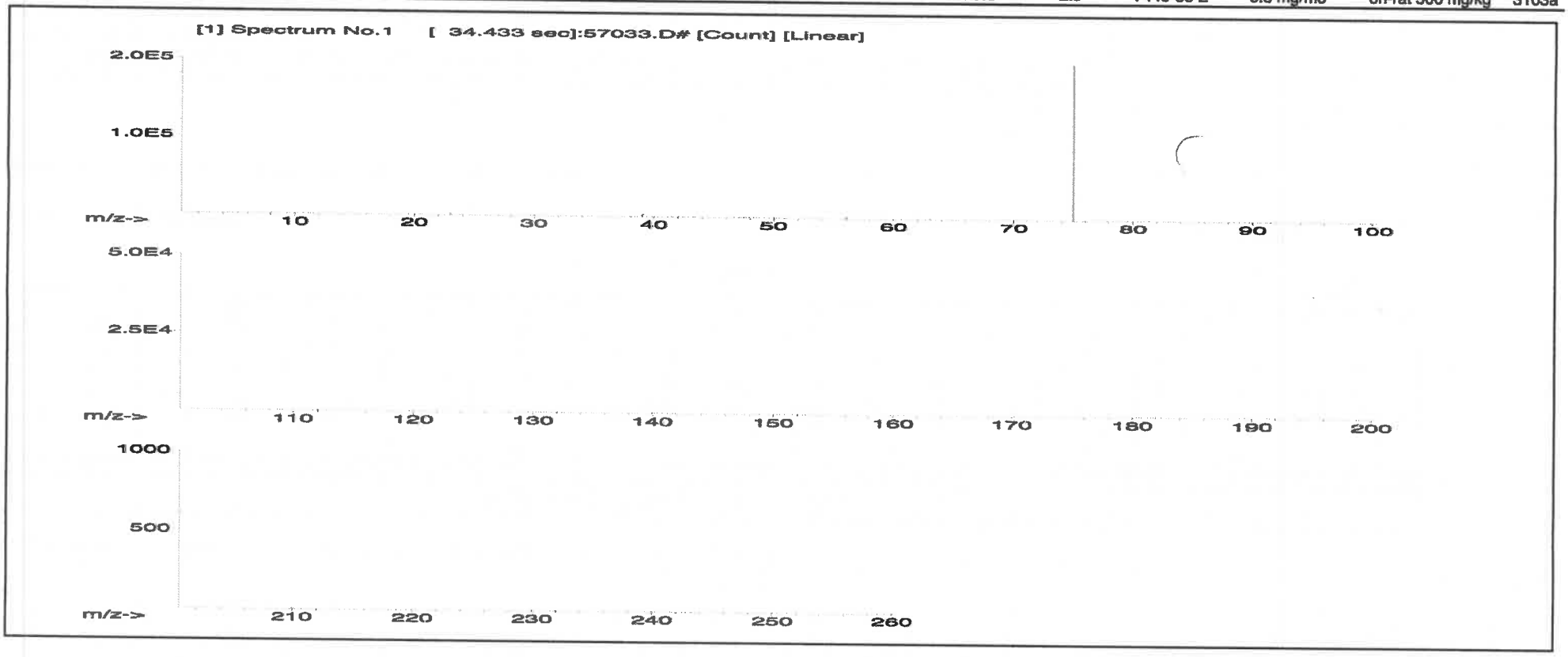
CERTIFIED **WEIGHT** REPORT:

		Lot #	Solvent:		
Part Number:	**57033**				
Lot Number:	**111323**	24002546	Nitric Acid		
Description:	**Arsenic (As)**				
		2.0%	80.0 (mL)	Nitric Acid	
Expiration Date:	111326				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Volume shown below was diluted to (mL):	4000.0	0.06	Flask Uncertainty		

Formulated By: Lawrence Barry 111323

Reviewed By: Pedro L. Rentas 111323

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Arsenic (As)	58133	020522	0.1000	400.0	0.084	1000	10001.0	**1000.0**	**2.0**	7440-38-2	0.5 mg/m3	orl-rat 500 mg/kg	3103a



585

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:

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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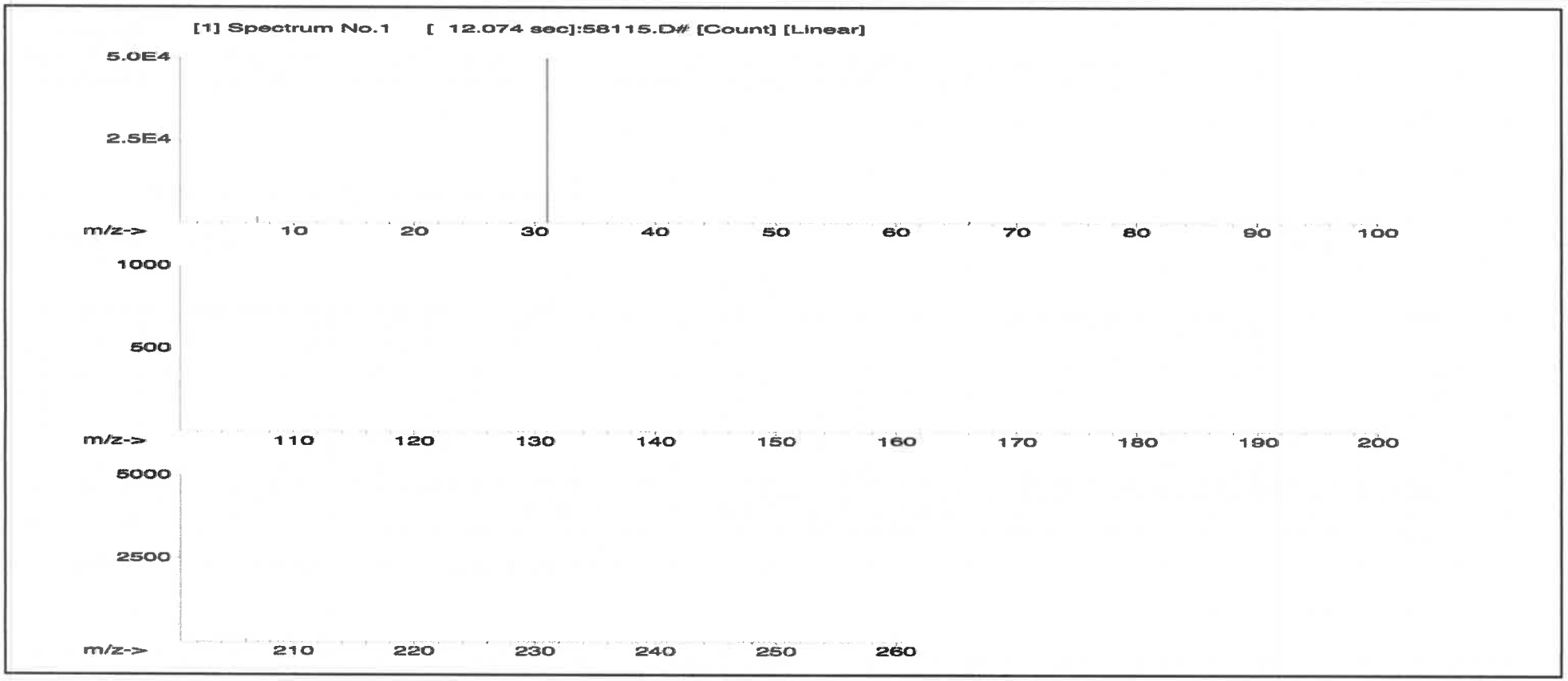
586

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



587

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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* 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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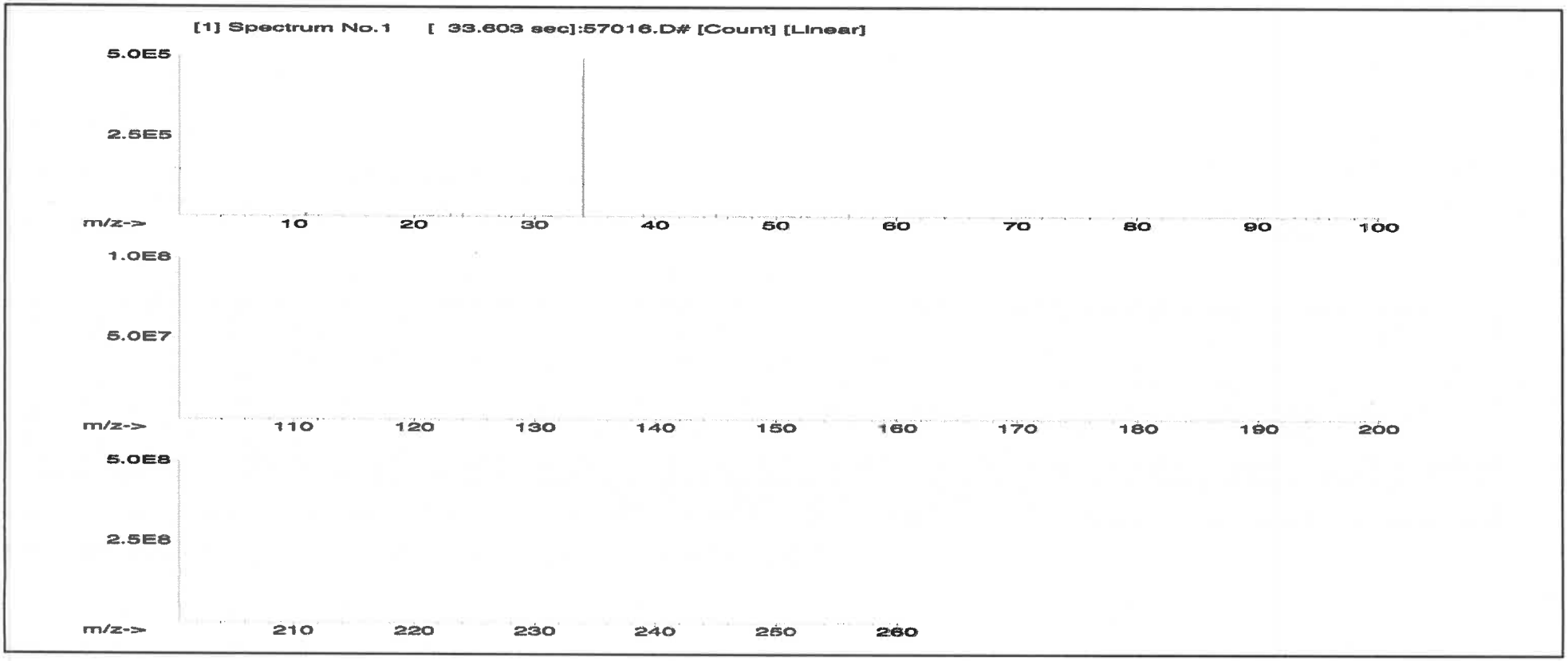
588

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



589

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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590

CERTIFIED WEIGHT REPORT:

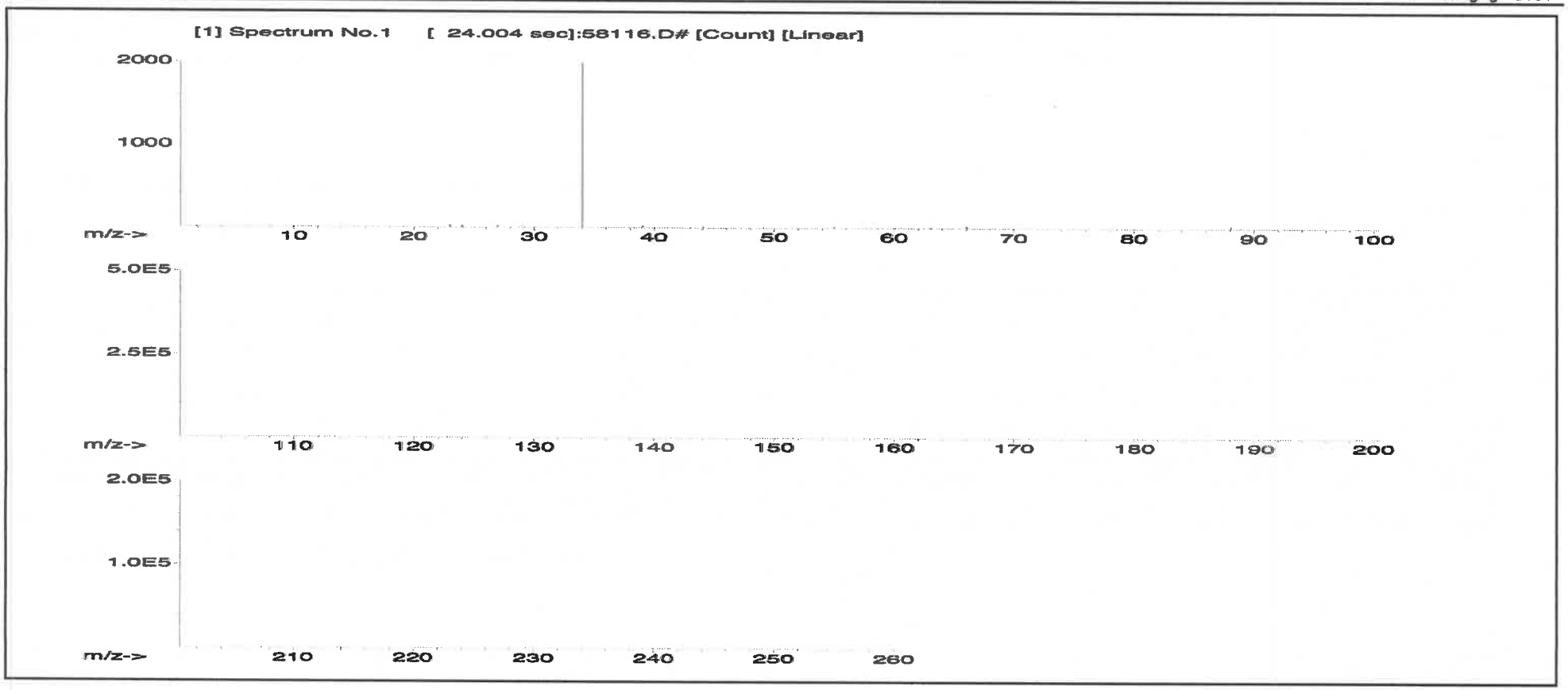
Part Number: 57116
Lot Number: 071123
Description: Sulfur (S)

Lot #
Solvent: 071123 ASTM Type 1 Water

Expiration Date: 071126
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB 5E-05 Balance Uncertainty
Weight shown below was diluted to (mL): 1999.48 0.058 Flask Uncertainty

Formulated By:	Lawrence Barry	071123
Reviewed By:	Pedro L. Rentas	071123

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Ammonium sulfate (S)	IN117	SLBR7225V	10000	99.9	0.10	24.3	82.4675	82.4682	**10000.1**	**20.0**	7783-20-2	NA	ori-rat 4250mg/kg	3181



591

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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* 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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R: 02/09/24 M.5818

Lot #

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592

CERTIFIED WEIGHT REPORT:

Part Number: 57014
Lot Number: 122023
Description: Silicon (Si)

Expiration Date: 122026
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 1999.48

Solvent: 24002546 Nitric Acid

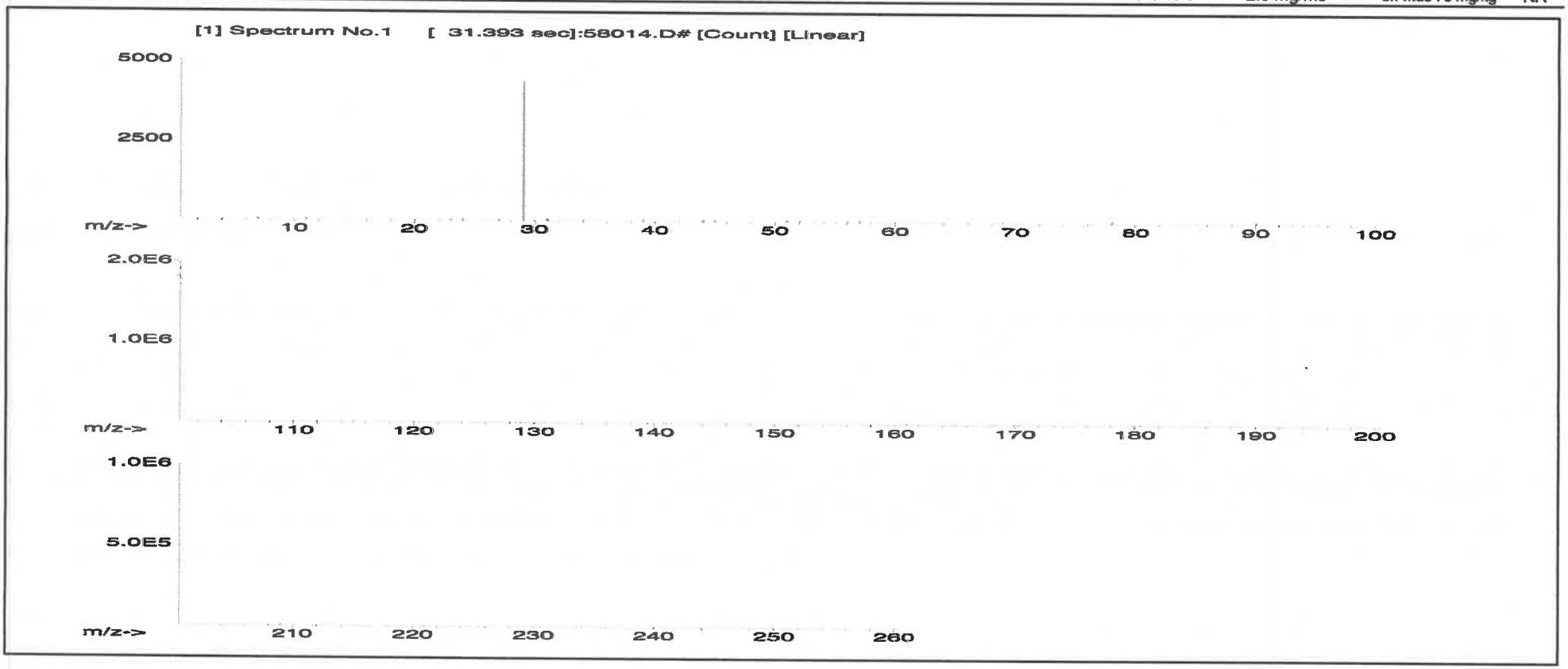
2% 40.0 (mL) Nitric Acid

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

Aleah O'Brady
Formulated By: Aleah O'Brady 122023

Pedro Rentas
Reviewed By: Pedro L. Rentas 122023

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Ammonium hexafluorosilicate (Si)	IN009	SID082022A1	1000	99.999	0.10	14.4	13.8854	13.8855	**1000.0**	**2.0**	16919-19-0	2.5 mg/m3	orl-mus 70 mg/kg	NA



593

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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594

CERTIFIED WEIGHT REPORT:

Part Number: 58030
Lot Number: 111623
Description: Zinc (Zn)

Expiration Date: 111626
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB

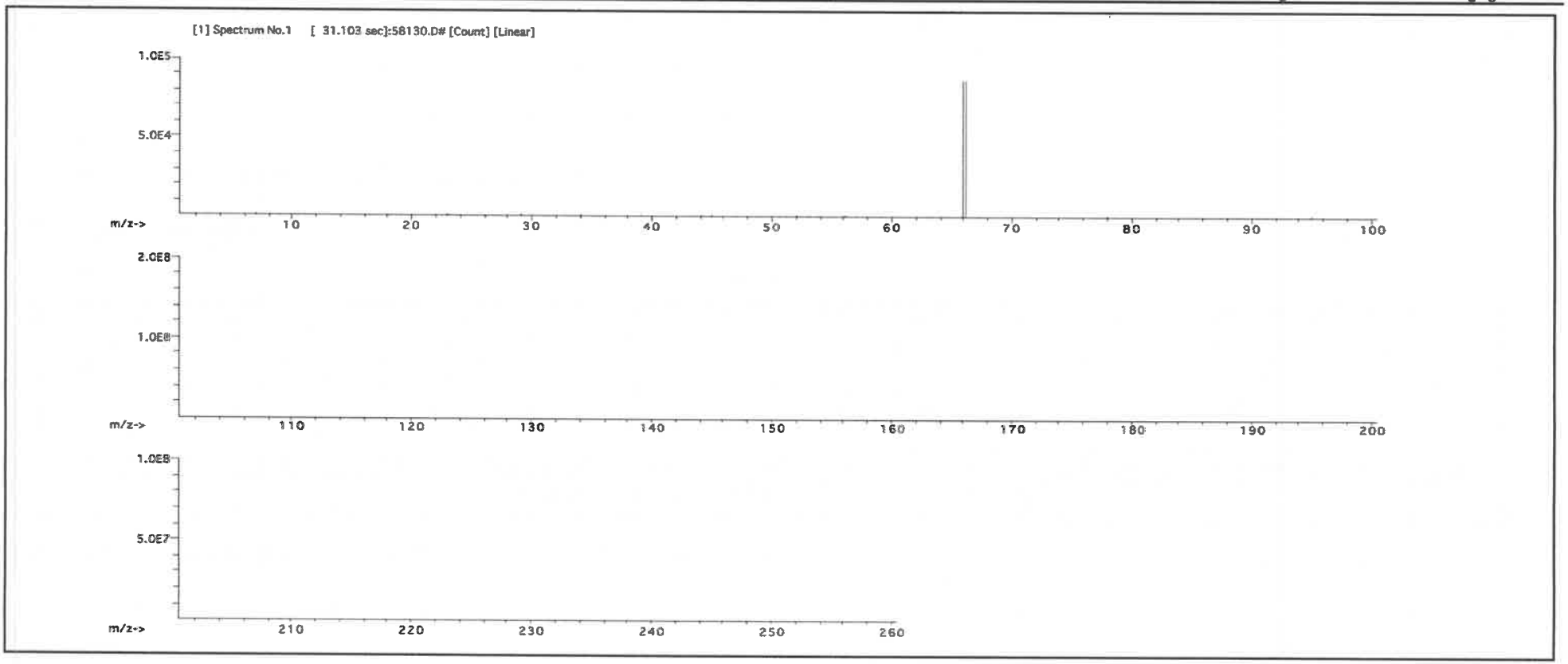
Weight shown below was diluted to (mL): 3000.4 0.06 Flask Uncertainty

	Lot #		
Solvent:	24002546	Nitric Acid	
2%	60.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty

Formulated By:	Benson Chan	111623
Reviewed By:	Pedro L. Rentas	111623

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Zinc nitrate hexahydrate (Zn)	IN016	ZNE032021A1	1000	99.999	0.10	24.3	12.3475	12.3502	**1000.2**	**2.0**	10196-18-6	1 mg/m3	orl-rat 1190mg/kg	3168



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	T
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

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* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
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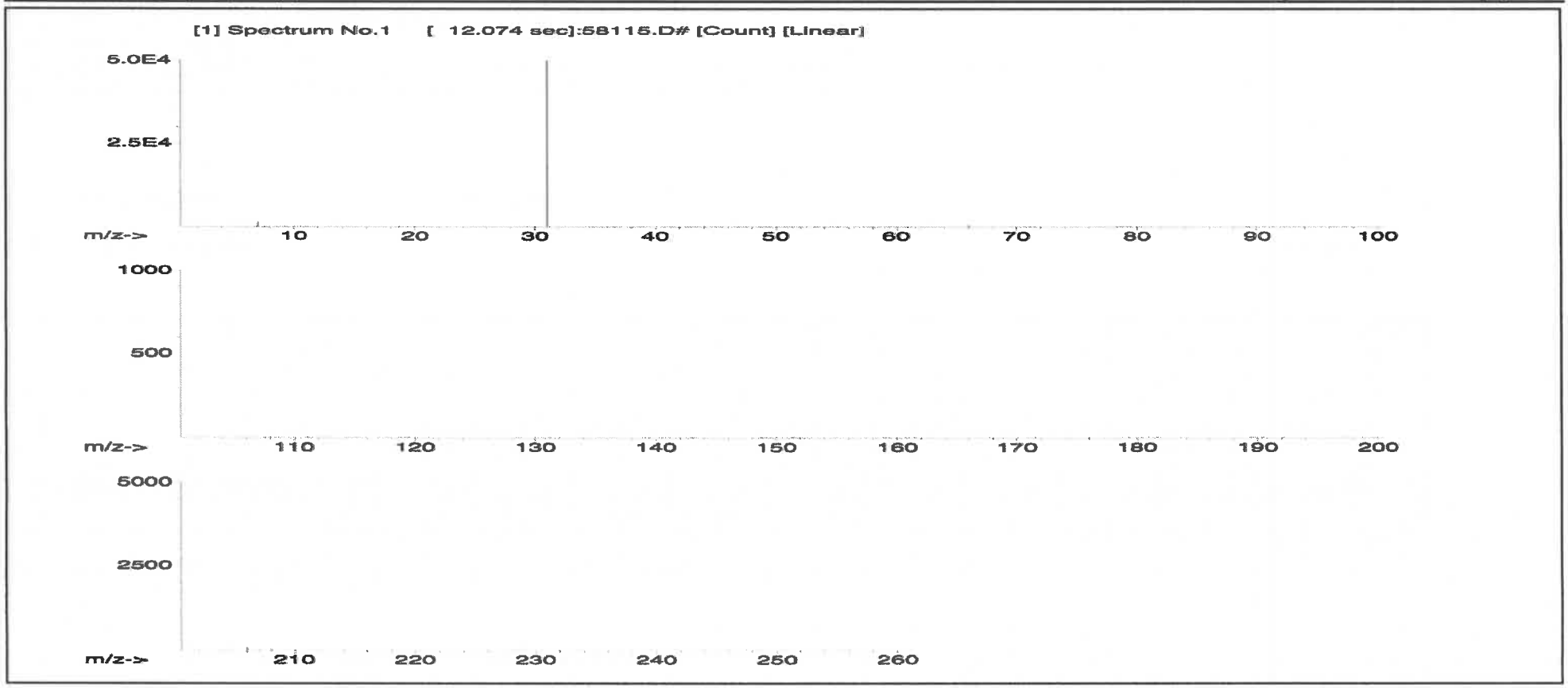
596

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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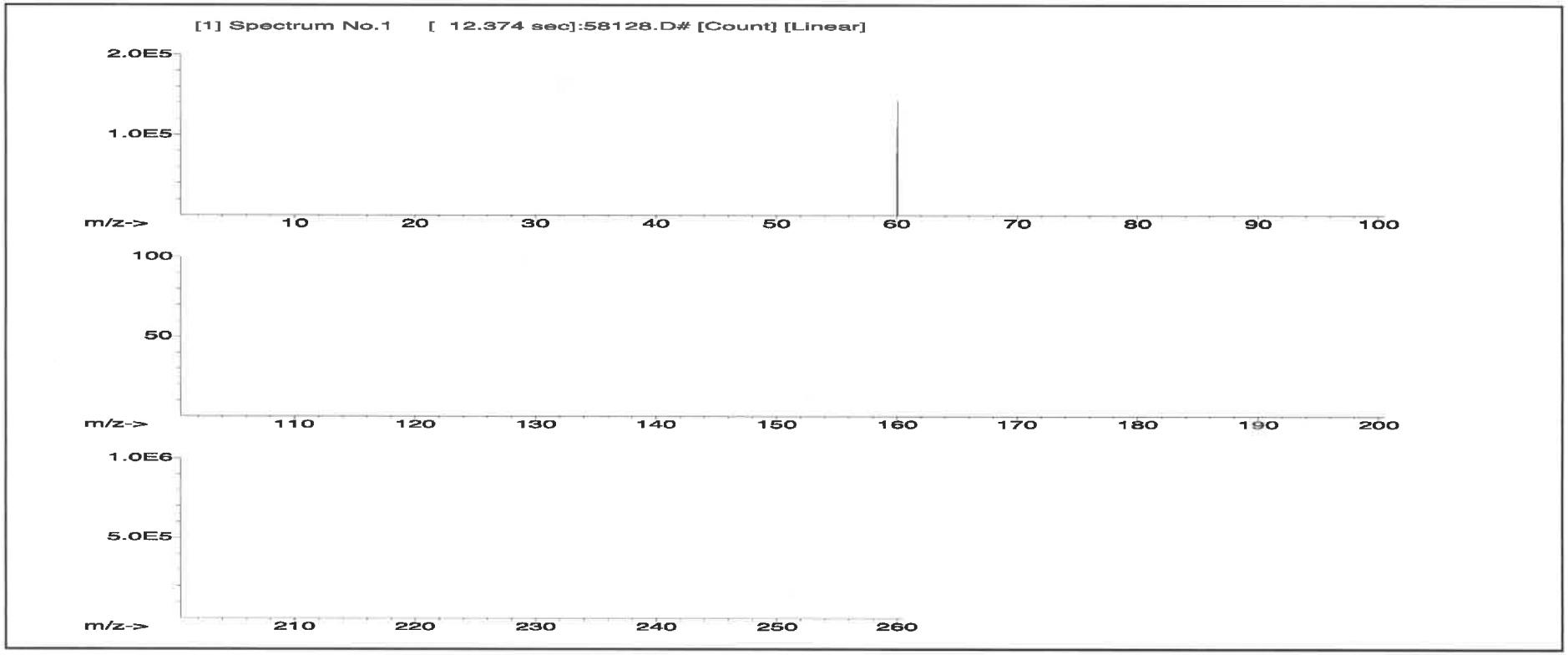
598

CERTIFIED WEIGHT REPORT:

Part Number:	**57028**		**Lot #**		
Lot Number:	**041124**	**Solvent:**	24002546	Nitric Acid	
Description:	**Nickel (Ni)**				
		2%	5.0 (mL)	Nitric Acid	
Expiration Date:	041127				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	249.85	0.002	Flask Uncertainty		

Formulated By:	Brian Geddes	041124
Reviewed By:	Pedro L. Rentas	041124

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Nickel(II) nitrate hexahydrate (Ni)	IN033	NIM052023A1	1000	99.999	0.10	20.2	1.2369	1.2369	**1000.0**	**2.0**	13478-00-7	1 mg/m3	orl-rat 1620 mg/kg	3136



599

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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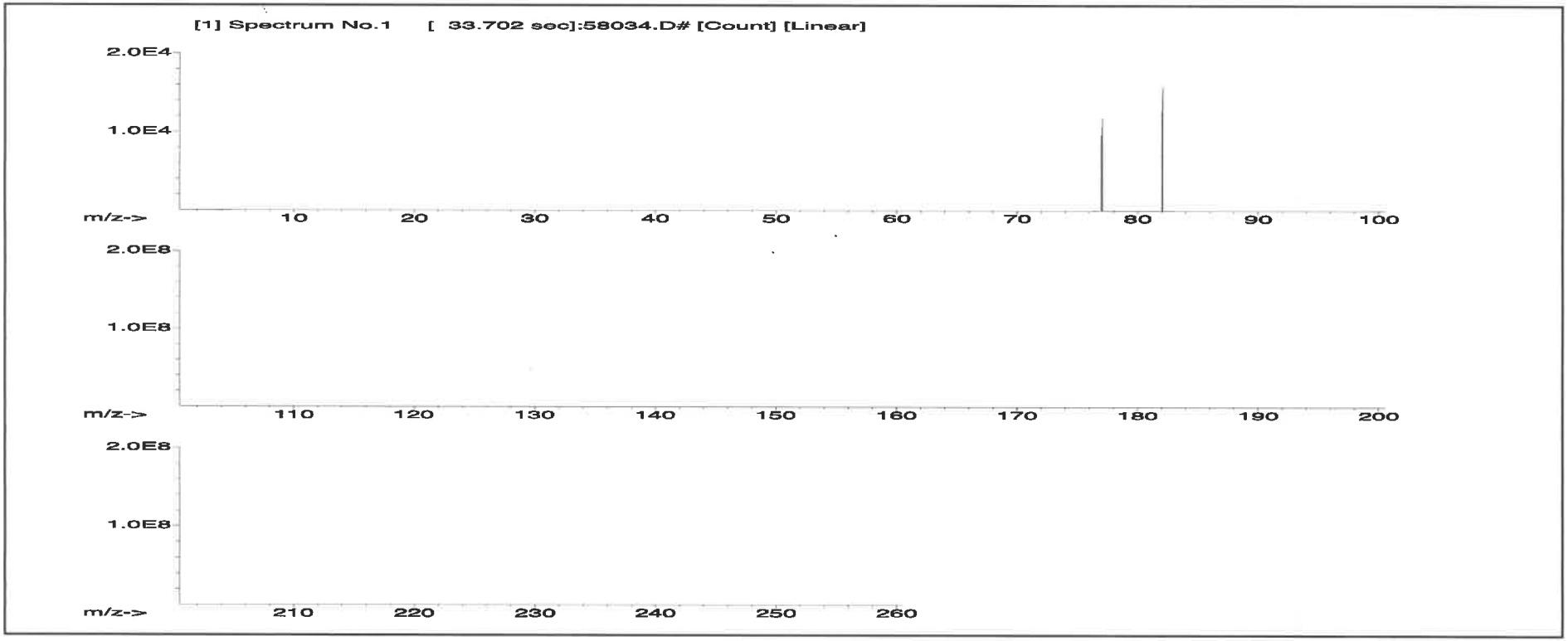
009

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



601

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																		
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	T	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

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Nitric Acid 69%
CMOS

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MS963 MS964 MS965
MS966 MS967 MS968

Material No.: 9606-03
Batch No.: 24B1362001
Manufactured Date: 2024-01-25
Retest Date: 2029-01-23
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (HNO_3)	69.0 - 70.0 %	69.6 %
Appearance	Passes Test	Passes Test
Color (APHA)	≤ 10	5
Residue after Ignition	≤ 2 ppm	< 1 ppm
Chloride (Cl)	≤ 0.08 ppm	< 0.03 ppm
Phosphate (PO_4)	≤ 0.10 ppm	< 0.03 ppm
Sulfate (SO_4)	≤ 0.2 ppm	< 0.2 ppm
Trace Impurities - Aluminum (Al)	≤ 40.0 ppb	< 1.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 2.0 ppb
Trace Impurities - Barium (Ba)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Beryllium (Be)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Bismuth (Bi)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities - Boron (B)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities - Cadmium (Cd)	≤ 50 ppb	< 1 ppb
Trace Impurities - Calcium (Ca)	≤ 50.0 ppb	< 0.2 ppb
Trace Impurities - Chromium (Cr)	≤ 30.0 ppb	< 1.0 ppb
Trace Impurities - Cobalt (Co)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Copper (Cu)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Gallium (Ga)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Germanium (Ge)	≤ 20 ppb	< 10 ppb
Trace Impurities - Gold (Au)	≤ 20 ppb	< 5 ppb
Heavy Metals (as Pb)	≤ 100 ppb	< 50 ppb
Trace Impurities - Iron (Fe)	≤ 40.0 ppb	< 1.0 ppb
Trace Impurities - Lead (Pb)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities - Lithium (Li)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Magnesium (Mg)	≤ 20 ppb	< 1 ppb
Trace Impurities - Manganese (Mn)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Nickel (Ni)	≤ 20.0 ppb	< 5.0 ppb

>>> Continued on page 2 >>>

Nitric Acid 69%
CMOS

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Material No.: 9606-03
Batch No.: 24B1362001

Test	Specification	Result
Trace Impurities – Niobium (Nb)	≤ 50.0 ppb	< 1.0 ppb
Trace Impurities – Potassium (K)	≤ 50 ppb	< 10 ppb
Trace Impurities – Silicon (Si)	≤ 50 ppb	< 10 ppb
Trace Impurities – Silver (Ag)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Sodium (Na)	≤ 150.0 ppb	< 5.0 ppb
Trace Impurities – Strontium (Sr)	≤ 30.0 ppb	< 1.0 ppb
Trace Impurities – Tantalum (Ta)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Thallium (Tl)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Tin (Sn)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Titanium (Ti)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Vanadium (V)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Zinc (Zn)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Zirconium (Zr)	≤ 10.0 ppb	< 1.0 ppb
Particle Count – 0.5 µm and greater	≤ 60 par/ml	3 par/ml
Particle Count – 1.0 µm and greater	≤ 10 par/ml	1 par/ml

>>> Continued on page 3 >>>

Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

Material No.: 9606-03
Batch No.: 24B1362001

Test	Specification	Result

For Microelectronic Use

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Ken Koehnlein
Sr. Manager, Quality Assurance

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Certificate of Analysis

M5976, M5977
R: 02/22/24

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F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Single Analyte Custom Grade Solution
Catalog Number:	CGMO1
Lot Number:	T2-MO720876
Matrix:	H2O tr. NH4OH
Value / Analyte(s):	1 000 µg/mL ea: Molybdenum
Starting Material:	Ammonium Molybdate
Starting Material Lot#:	2361
Starting Material Purity:	99.9893%

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 998 ± 7 µg/mL

Density: 1.000 g/mL (measured at 20 ± 4 °C)

Assay Information:

Assay Method #1 **998 ± 4 µg/mL**
ICP Assay NIST SRM 3134 Lot Number: 130418

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance.

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2 (u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

M	Ag	<	0.000590	M	Eu	<	0.000300	M	Na		0.000879	M	Se	<	0.008000	M	Zn		0.000598
M	Al		0.000563	M	Fe	<	0.006500	M	Nb	<	0.029000	i	Si	<		M	Zr	<	0.001800
M	As	<	0.002100	M	Ga	<	0.000300	i	Nd	<		M	Sm	<	0.000300				
M	Au	<	0.000300	M	Gd	<	0.000300	M	Ni	<	0.008000	M	Sn	<	0.008900				
M	B	<	0.003300	M	Ge	<	0.000300	M	Os	<	0.000590	M	Sr		0.000175				
M	Ba		0.001689	M	Hf	<	0.001800	i	P	<		M	Ta	<	0.004200				
M	Be	<	0.000890	M	Hg	<	0.003300	M	Pb	<	0.000300	M	Tb	<	0.000300				
M	Bi	<	0.000890	M	Ho	<	0.000300	M	Pd	<	0.001800	M	Te	<	0.021000				
O	Ca		0.006334	M	In	<	0.032000	M	Pr	<	0.013000	M	Th	<	0.000300				
O	Cd	<	0.026000	M	Ir	<	0.000300	M	Pt	<	0.000300	O	Tl	<	0.032000				
M	Ce	<	0.008300	M	K		0.130213	M	Rb		0.004575	M	Tl		0.001266				
M	Co		0.000598	M	La	<	0.000300	M	Re	<	0.000300	M	Tm	<	0.000300				
M	Cr		0.000527	O	Li		0.000059	M	Rh	<	0.000300	M	U	<	0.005300				
M	Cs		0.000527	M	Lu	<	0.000300	M	Ru	<	0.079000	M	V	<	0.000890				
M	Cu		0.002252	M	Mg		0.000563	i	S	<		M	W		0.087982				
M	Dy	<	0.000300	M	Mn	<	0.005900	M	Sb		0.001513	M	Y	<	0.000300				
M	Er	<	0.000300	s	Mo	<		M	Sc	<	0.001200	M	Yb	<	0.000300				

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference
n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 95.94 +6 6,7,8,9 [MoO4]-2(chemical form as received)

Chemical Compatibility -Mo is received in a NH4OH matrix giving the operator the option of using HCl or HF to stabilize acidic solutions. The [MoO4]-2 is soluble in concentrated HCl [MoOCl5]-2, dilute HF / HNO3 [MoOF5]-2 and basic media [MoO4]-2. Stable at ppm levels with some metals provided it is fluorinated. Do not mix with Alkaline or Rare Earths when HF is present. Stable with most inorganic anions provided it is in the [MoO4]-2 chemical form.

Stability - 2-100 ppb levels stable (alone or mixed with all other metals that are at comparable levels) as the [MoOF5]-2 for months in 1% HNO3 / LDPE container. 1-10,000 ppm single element solutions as the [MoO4]-2 chemically stable for years in 1% NH4OH in a LDPE container.

Mo Containing Samples (Preparation and Solution) -Metal (Soluble in HF / HNO3 or hot dilute HCl); Oxide (soluble in HF or NH4OH) ; Organic Matrices (Dry ash at 450EC in Pt0 and dissolve oxide with HF or HCl).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	**Estimated D.L.**	**Order**	**Interferences** (underlined indicates severe)
ICP-MS 95 amu	3 ppt	n/a	40Ar39K16O,79Br1 6O,190Os2+,190Pt 2+
ICP-OES 202.030 nm	0.008 / 0.0002 µg/mL	1	Os, Hf
ICP-OES 203.844 nm	0.012 / 0.002 µg/mL	1	
ICP-OES 204.598 nm	0.012 / 0.001 µg/mL	1	Ir, Ta

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

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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



609

M5978, M5979

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1.0 ACCREDITATION / REGISTRATION

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ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Single Analyte Custom Grade Solution
Catalog Number:	CGTI1
Lot Number:	T2-TI719972
Matrix:	2% (v/v) HNO3 tr. HF
Value / Analyte(s):	1 000 µg/mL ea: Titanium
Starting Material:	Ti Metal
Starting Material Lot#:	2094
Starting Material Purity:	99.9975%

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 1002 ± 5 µg/mL

Density: 1.012 g/mL (measured at 20 ± 4 °C)

Assay Information:

Assay Method #1 **1002 ± 4 µg/mL**
ICP Assay NIST SRM 3162a Lot Number: 130925

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$
w_i = the weighting factors for each method calculated using the inverse square of the variance

$w_i = (1/u_{char\ i}^2) / (\Sigma(1/u_{char\ i}^2))$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\ (u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = (\Sigma(w_i)^2\ (u_{char\ i})^2)^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty
u_{lts} = long term stability standard uncertainty (storage)
u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\ (u_{char\ a})$

X_a = mean of Assay Method A with
$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\ (u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization
u_{bb} = bottle to bottle homogeneity standard uncertainty
u_{lts} = long term stability standard uncertainty (storage)
u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

M	Ag	<	0.000536	M	Eu	<	0.000268	O	Na	<	0.032670	M	Se		0.001204	O	Zn	<	0.003267
O	Al		0.000872	O	Fe		0.003225	O	Nb	<	0.043560	O	Si		0.004735	O	Zr	<	0.043560
M	As	<	0.008586	M	Ga	<	0.000268	M	Nd	<	0.000268	M	Sm	<	0.000268				
M	Au	<	0.004577	M	Gd	<	0.000268	O	Ni	<	0.010890	M	Sn		0.000096				
O	B	<	0.008929	M	Ge	<	0.002146	M	Os	<	0.000269	O	Sr		0.000096				
M	Ba	<	0.002683	M	Hf		0.002161	O	P	<	0.054450	M	Ta		0.010560				
M	Be	<	0.005366	M	Hg	<	0.003231	M	Pb	<	0.001073	M	Tb	<	0.000268				
M	Bi	<	0.001609	M	Ho	<	0.000268	M	Pd	<	0.000268	M	Te	<	0.001341				
O	Ca		0.000676	M	In	<	0.002683	M	Pr	<	0.000268	M	Th	<	0.053663				
M	Cd	<	0.000268	M	Ir	<	0.000269	M	Pt	<	0.000536	s	Ti	<					
M	Ce	<	0.000268	M	K		0.001172	M	Rb	<	0.000268	M	Tl	<	0.000268				
M	Co	<	0.004293	M	La	<	0.000268	M	Re	<	0.000268	M	Tm	<	0.000268				
M	Cr		0.000752	O	Li	<	0.027225	M	Rh	<	0.000268	M	U	<	0.000268				
M	Cs	<	0.000268	M	Lu	<	0.000268	M	Ru	<	0.000269	M	V	<	0.019855				
O	Cu	<	0.010890	O	Mg	<	0.005445	i	S	<		M	W		0.000473				
M	Dy	<	0.000268	O	Mn	<	0.003267	M	Sb	<	0.006976	M	Y	<	0.002146				
M	Er	<	0.000268	M	Mo		0.000774	O	Sc	<	0.004900	M	Yb	<	0.000536				

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference
n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 47.87 +4 6 Ti(F)6-2

Chemical Compatibility - Soluble in concentrated HCl, HF, H3PO4 H2SO4 and HNO3. Avoid neutral to basic media. Unstable at ppm levels with metals that would pull F- away (i.e. Do not mix with Alkaline or Rare Earths or high levels of transition elements unless they are fluorinated). Stable with most inorganic anions with a tendency to hydrolyze forming the hydrated oxide in all dilute acids except HF.

Stability - 2-100 ppb levels stable (Alone or mixed with all other metals) as the Ti(F)6-2 for months in 1% HNO3 / LDPE container. 1-10,000 ppm single element solutions as the Ti(F)6-2 chemically stable for years in 2-5% HNO3 / trace HF in an LDPE container.

Ti Containing Samples (Preparation and Solution) - Metal (Soluble in H2O / HF caution -powder reacts violently); Oxide - low temperature history anatase or rutile (Dissolved by heating in 1:1:1 H2O / HF / H2SO4); Oxide - high temperature history (~800EC) brookite (fuse in Pt0 with K2S2O7); Ores (fuse in Pt0 with KF + K2S2O7 - no KF if silica not present); Organic Matrices (Dry ash at 450EC in Pt0 and dissolve by heating with 1:1:1 H2O / HF / H2SO4 or fuse ash with pyrosulfate if oxide is as plastic pigment and likely in brookite crystalline form).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	Estimated D.L.	Order	Interferences (underlined indicates severe)
ICP-MS 48 amu	14 ppt	N/A	32S16O, 32S14N, 14N16O18O, 14N17N2, 36Ar12C, 48Ca, [96X=2 (where X = Zr, Mo, Ru)]
ICP-OES 323.452 nm	0.0054 / 0.00092 µg/mL	1	Ce, Ar, Ni
ICP-OES 334.941 nm	0.0038 / 0.000028 µg/mL	1	Nb, Ta, Cr, U
ICP-OES 336.121 nm	0.0053 / 0.000034 µg/mL	1	W, Mo, Co

HF Note: This standard should not be prepared or stored in glass.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

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11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

June 17, 2022

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- June 17, 2027

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

H5981 R:6/11/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:		
Part Number:	**57092**	24002546	Nitric Acid		
Lot Number:	**060724**				
Description:	**Uranium (U)**	2.0%	40.0 (mL)	Nitric Acid	
Expiration Date:	060727				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Volume shown below was diluted to (mL):	2000.07	0.100	Flask Uncertainty		

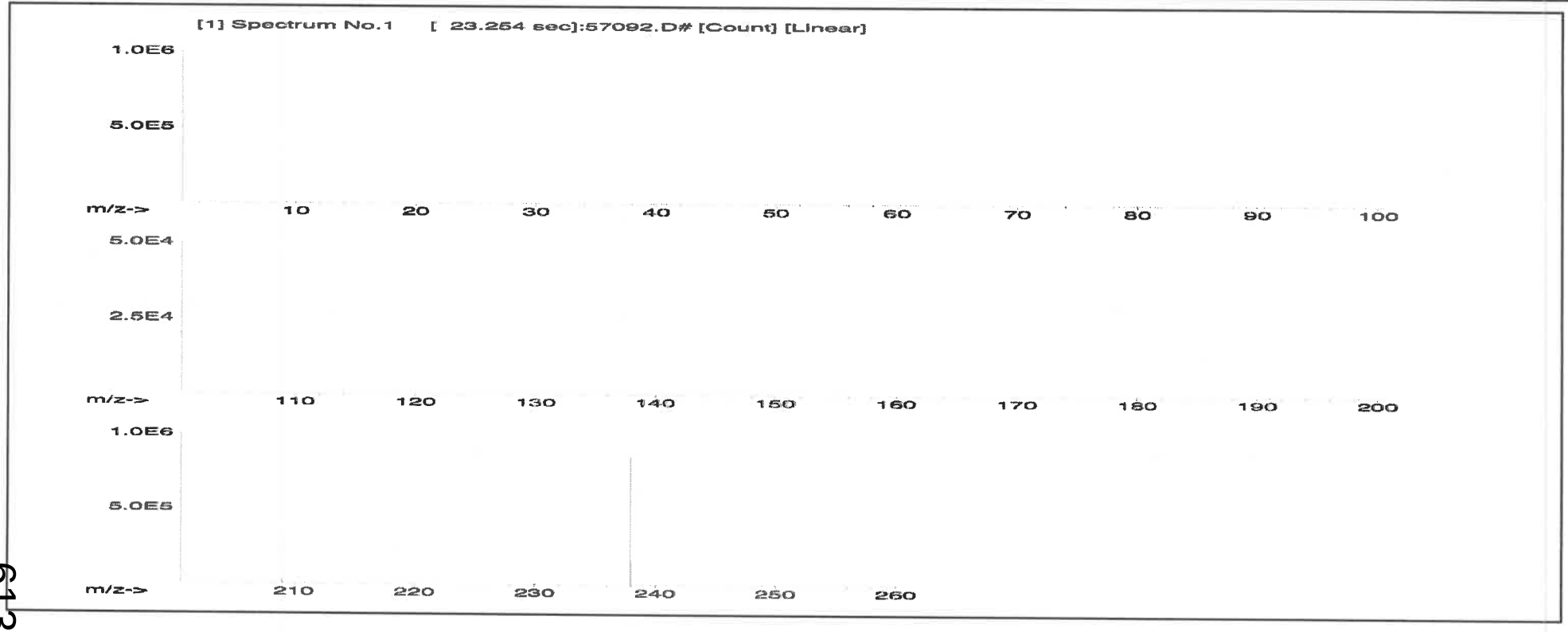
Giovanni Esposito

Formulated By:	Giovanni Esposito	060724

Pedro Rentas

Reviewed By:	Pedro L. Rentas	060724

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Uranyl nitrate hexahydrate (U)	58192	041524	0.1000	200.0	0.084	1000	10001.5	**1000.0**	**2.2**	13520-83-7	0.05 mg/m3	orl-rat 1040 mg/kg	3164



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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	T
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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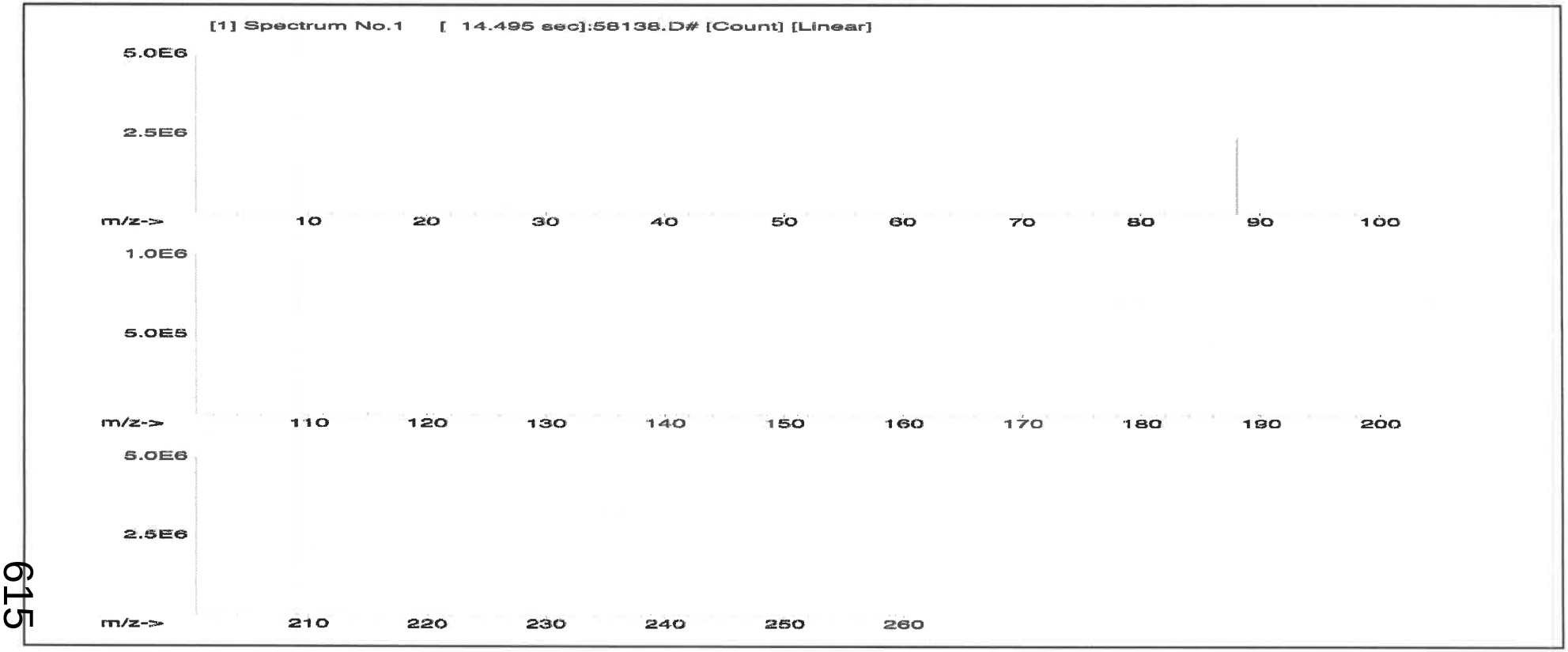
45982 R: 6/11/24

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



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	T	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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M5983 R: 6/11/24

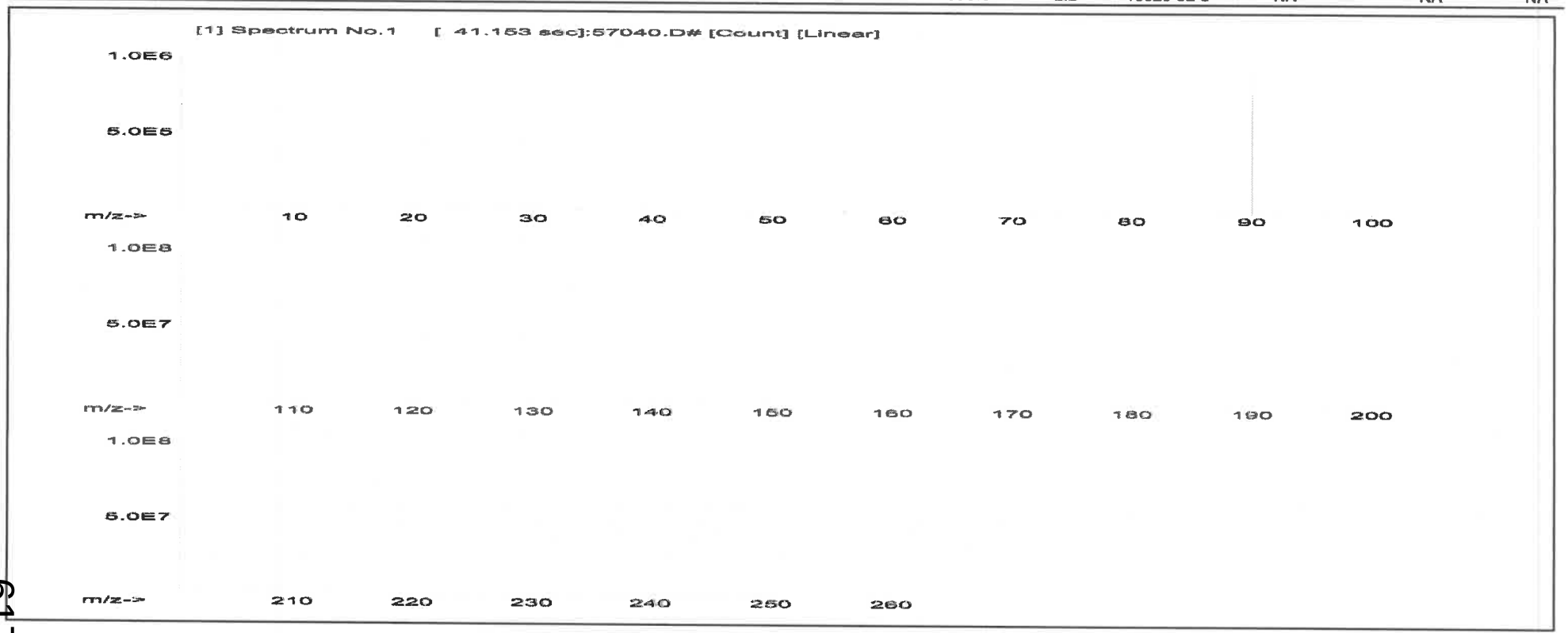
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CERTIFIED WEIGHT REPORT:

		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:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:



* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
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* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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R: 01/03/24 M6033

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CERTIFIED WEIGHT REPORT:

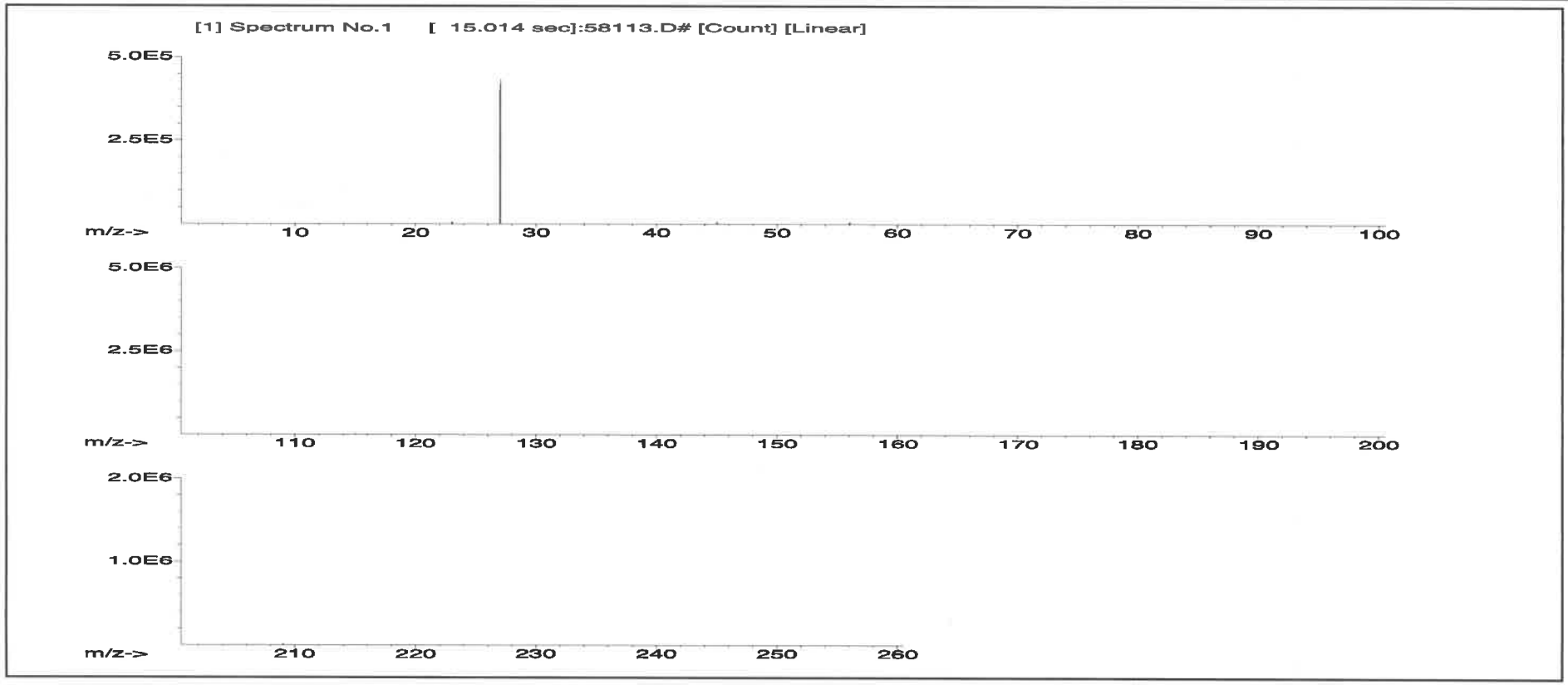
Part Number:	**58113**		**Solvent:**	20510011	Nitric Acid
Lot Number:	**011623**				
Description:	**Aluminum (Al)**				
			2%	40.0 (mL)	Nitric Acid
Expiration Date:	011626				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**10000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty		

Lot #

Giovanni Esposito

Formulated By:	Giovanni Esposito	011623
Reviewed By:	Pedro L. Rentas	011623

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Aluminum nitrate nonahydrate (Al)	IN022	ALM112021A1	10000	99.999	0.10	7.30	273.9779	274.0078	**10001.1**	**20.0**	7784-27-2	2 mg/m3	orl-rat 3671 mg/kg	3101a



Nitric Acid 69%
CMOS

Recv date: 1. 1. – 08/01/2023

M6034, M6037
M6035, M6038,
M6036,

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Material No.: 9606-03
Batch No.: 24D1062002
Manufactured Date: 2024-03-26
Retest Date: 2029-03-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (HNO_3)	69.0 – 70.0 %	69.7 %
Appearance	Passes Test	Passes Test
Color (APHA)	≤ 10	5
Residue after Ignition	≤ 2 ppm	1 ppm
Chloride (Cl)	≤ 0.08 ppm	< 0.03 ppm
Phosphate (PO_4)	≤ 0.10 ppm	< 0.03 ppm
Sulfate (SO_4)	≤ 0.2 ppm	< 0.2 ppm
Trace Impurities – Aluminum (Al)	≤ 40.0 ppb	< 1.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 2.0 ppb
Trace Impurities – Barium (Ba)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Beryllium (Be)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Bismuth (Bi)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Boron (B)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Cadmium (Cd)	≤ 50 ppb	< 1 ppb
Trace Impurities – Calcium (Ca)	≤ 50.0 ppb	2.3 ppb
Trace Impurities – Chromium (Cr)	≤ 30.0 ppb	< 1.0 ppb
Trace Impurities – Cobalt (Co)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Copper (Cu)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Gallium (Ga)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Germanium (Ge)	≤ 20 ppb	< 10 ppb
Trace Impurities – Gold (Au)	≤ 20 ppb	< 5 ppb
Heavy Metals (as Pb)	≤ 100 ppb	100 ppb
Trace Impurities – Iron (Fe)	≤ 40.0 ppb	< 1.0 ppb
Trace Impurities – Lead (Pb)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Lithium (Li)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Magnesium (Mg)	≤ 20 ppb	< 1 ppb
Trace Impurities – Manganese (Mn)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Nickel (Ni)	≤ 20.0 ppb	< 5.0 ppb

>>> Continued on page 2 >>>

Nitric Acid 69%
CMOS

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Material No.: 9606-03
Batch No.: 24D1062002

Test	Specification	Result
Trace Impurities – Niobium (Nb)	≤ 50.0 ppb	< 1.0 ppb
Trace Impurities – Potassium (K)	≤ 50 ppb	16 ppb
Trace Impurities – Silicon (Si)	≤ 50 ppb	< 10 ppb
Trace Impurities – Silver (Ag)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Sodium (Na)	≤ 150.0 ppb	< 5.0 ppb
Trace Impurities – Strontium (Sr)	≤ 30.0 ppb	< 1.0 ppb
Trace Impurities – Tantalum (Ta)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Thallium (Tl)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Tin (Sn)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Titanium (Ti)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Vanadium (V)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Zinc (Zn)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Zirconium (Zr)	≤ 10.0 ppb	< 1.0 ppb
Particle Count – 0.5 µm and greater	≤ 60 par/ml	10 par/ml
Particle Count – 1.0 µm and greater	≤ 10 par/ml	3 par/ml

>>> Continued on page 3 >>>

Nitric Acid 69%
CMOS

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Material No.: 9606-03
Batch No.: 24D1062002

Test	Specification	Result

For Microelectronic Use

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Croak
Director Quality Operations, Bioscience Production

Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

Received — 08/01/2024
paper
M6039
M6040

Material No.: 9530-33
Batch No.: 24D1562005
Manufactured Date: 2024-03-18
Retest Date: 2029-03-17
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS - Assay (as HCl) (by acid-base titrn)	36.5 - 38.0 %	37.6 %
ACS - Color (APHA)	≤ 10	5
ACS - Residue after Ignition	≤ 3 ppm	< 1 ppm
ACS - Specific Gravity at 60°/60°F	1.185 - 1.192	1.192
ACS - Bromide (Br)	≤ 0.005 %	< 0.005 %
ACS - Extractable Organic Substances	≤ 5 ppm	< 1 ppm
ACS - Free Chlorine (as Cl_2)	≤ 0.5 ppm	< 0.5 ppm
Phosphate (PO_4)	≤ 0.05 ppm	0.03 ppm
Sulfate (SO_4)	≤ 0.5 ppm	< 0.3 ppm
Sulfite (SO_3)	≤ 0.8 ppm	0.3 ppm
Ammonium (NH_4)	≤ 3 ppm	< 1 ppm
Trace Impurities - Arsenic (As)	≤ 0.010 ppm	< 0.003 ppm
Trace Impurities - Aluminum (Al)	≤ 10.0 ppb	< 5.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 3.0 ppb
Trace Impurities - Barium (Ba)	≤ 1.0 ppb	< 1.0 ppb
Trace Impurities - Beryllium (Be)	≤ 1.0 ppb	< 1.0 ppb
Trace Impurities - Bismuth (Bi)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities - Boron (B)	≤ 20.0 ppb	2.2 ppb
Trace Impurities - Cadmium (Cd)	≤ 1.0 ppb	< 1.0 ppb
Trace Impurities - Calcium (Ca)	≤ 50.0 ppb	31.0 ppb
Trace Impurities - Chromium (Cr)	≤ 1.0 ppb	0.5 ppb
Trace Impurities - Cobalt (Co)	≤ 1.0 ppb	0.2 ppb
Trace Impurities - Copper (Cu)	≤ 1.0 ppb	< 0.1 ppb
Trace Impurities - Gallium (Ga)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities - Germanium (Ge)	≤ 3.0 ppb	< 2.0 ppb
Trace Impurities - Gold (Au)	≤ 4.0 ppb	< 0.2 ppb
Heavy Metals (as Pb)	≤ 100 ppb	< 50 ppb
Trace Impurities - Iron (Fe)	≤ 15 ppb	3 ppb

>>> Continued on page 2 >>>

For questions on this Certificate of Analysis please contact Technical Services at 855 282 6867 or +1 610 386 1700

Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

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Material No.: 9530-33
Batch No.: 24D1562005

Test	Specification	Result
Trace Impurities – Lead (Pb)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Lithium (Li)	≤ 1.0 ppb	< 0.1 ppb
Trace Impurities – Magnesium (Mg)	≤ 10.0 ppb	2.2 ppb
Trace Impurities – Manganese (Mn)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Mercury (Hg)	≤ 0.5 ppb	< 0.1 ppb
Trace Impurities – Molybdenum (Mo)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Nickel (Ni)	≤ 4.0 ppb	0.2 ppb
Trace Impurities – Niobium (Nb)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Potassium (K)	≤ 9.0 ppb	< 1.0 ppb
Trace Impurities – Selenium (Se), For Information Only		< 1.0 ppb
Trace Impurities – Silicon (Si)	≤ 100.0 ppb	< 10.0 ppb
Trace Impurities – Silver (Ag)	≤ 1.0 ppb	< 0.3 ppb
Trace Impurities – Sodium (Na)	≤ 100.0 ppb	2.0 ppb
Trace Impurities – Strontium (Sr)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Tantalum (Ta)	≤ 1.0 ppb	< 0.9 ppb
Trace Impurities – Thallium (Tl)	≤ 5.0 ppb	< 2.0 ppb
Trace Impurities – Tin (Sn)	≤ 5.0 ppb	< 0.4 ppb
Trace Impurities – Titanium (Ti)	≤ 1.0 ppb	0.2 ppb
Trace Impurities – Vanadium (V)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Zinc (Zn)	≤ 5.0 ppb	< 0.2 ppb
Trace Impurities – Zirconium (Zr)	≤ 1.0 ppb	< 0.1 ppb

>>> Continued on page 3 >>>

Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

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Material No.: 9530-33
Batch No.: 24D1562005

Test	Specification	Result

For Laboratory,Research,or Manufacturing Use
Product Information (not specifications):
Appearance (clear, fuming liquid)
Meets ACS Specifications
Storage Condition: Store below 25 °C.

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Croak
Director Quality Operations, Bioscience Production

Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

Received — 08/01/2024
paper
M6039
M6040

Material No.: 9530-33
Batch No.: 24D1562005
Manufactured Date: 2024-03-18
Retest Date: 2029-03-17
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS - Assay (as HCl) (by acid-base titrn)	36.5 - 38.0 %	37.6 %
ACS - Color (APHA)	≤ 10	5
ACS - Residue after Ignition	≤ 3 ppm	< 1 ppm
ACS - Specific Gravity at 60°/60°F	1.185 - 1.192	1.192
ACS - Bromide (Br)	≤ 0.005 %	< 0.005 %
ACS - Extractable Organic Substances	≤ 5 ppm	< 1 ppm
ACS - Free Chlorine (as Cl_2)	≤ 0.5 ppm	< 0.5 ppm
Phosphate (PO_4)	≤ 0.05 ppm	0.03 ppm
Sulfate (SO_4)	≤ 0.5 ppm	< 0.3 ppm
Sulfite (SO_3)	≤ 0.8 ppm	0.3 ppm
Ammonium (NH_4)	≤ 3 ppm	< 1 ppm
Trace Impurities - Arsenic (As)	≤ 0.010 ppm	< 0.003 ppm
Trace Impurities - Aluminum (Al)	≤ 10.0 ppb	< 5.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 3.0 ppb
Trace Impurities - Barium (Ba)	≤ 1.0 ppb	< 1.0 ppb
Trace Impurities - Beryllium (Be)	≤ 1.0 ppb	< 1.0 ppb
Trace Impurities - Bismuth (Bi)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities - Boron (B)	≤ 20.0 ppb	2.2 ppb
Trace Impurities - Cadmium (Cd)	≤ 1.0 ppb	< 1.0 ppb
Trace Impurities - Calcium (Ca)	≤ 50.0 ppb	31.0 ppb
Trace Impurities - Chromium (Cr)	≤ 1.0 ppb	0.5 ppb
Trace Impurities - Cobalt (Co)	≤ 1.0 ppb	0.2 ppb
Trace Impurities - Copper (Cu)	≤ 1.0 ppb	< 0.1 ppb
Trace Impurities - Gallium (Ga)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities - Germanium (Ge)	≤ 3.0 ppb	< 2.0 ppb
Trace Impurities - Gold (Au)	≤ 4.0 ppb	< 0.2 ppb
Heavy Metals (as Pb)	≤ 100 ppb	< 50 ppb
Trace Impurities - Iron (Fe)	≤ 15 ppb	3 ppb

>>> Continued on page 2 >>>

Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

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Material No.: 9530-33
Batch No.: 24D1562005

Test	Specification	Result
Trace Impurities – Lead (Pb)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Lithium (Li)	≤ 1.0 ppb	< 0.1 ppb
Trace Impurities – Magnesium (Mg)	≤ 10.0 ppb	2.2 ppb
Trace Impurities – Manganese (Mn)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Mercury (Hg)	≤ 0.5 ppb	< 0.1 ppb
Trace Impurities – Molybdenum (Mo)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Nickel (Ni)	≤ 4.0 ppb	0.2 ppb
Trace Impurities – Niobium (Nb)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Potassium (K)	≤ 9.0 ppb	< 1.0 ppb
Trace Impurities – Selenium (Se), For Information Only		< 1.0 ppb
Trace Impurities – Silicon (Si)	≤ 100.0 ppb	< 10.0 ppb
Trace Impurities – Silver (Ag)	≤ 1.0 ppb	< 0.3 ppb
Trace Impurities – Sodium (Na)	≤ 100.0 ppb	2.0 ppb
Trace Impurities – Strontium (Sr)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Tantalum (Ta)	≤ 1.0 ppb	< 0.9 ppb
Trace Impurities – Thallium (Tl)	≤ 5.0 ppb	< 2.0 ppb
Trace Impurities – Tin (Sn)	≤ 5.0 ppb	< 0.4 ppb
Trace Impurities – Titanium (Ti)	≤ 1.0 ppb	0.2 ppb
Trace Impurities – Vanadium (V)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Zinc (Zn)	≤ 5.0 ppb	< 0.2 ppb
Trace Impurities – Zirconium (Zr)	≤ 1.0 ppb	< 0.1 ppb

>>> Continued on page 3 >>>

Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

Material No.: 9530-33
Batch No.: 24D1562005

Test	Specification	Result

For Laboratory,Research,or Manufacturing Use
Product Information (not specifications):
Appearance (clear, fuming liquid)
Meets ACS Specifications
Storage Condition: Store below 25 °C.

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Croak
Director Quality Operations, Bioscience Production

INORGANIC VENTURES™
Refine your results. Redefine your industry.

Certificate of Analysis

R 8/19/24, M60055

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	IV-STOCK-12
Lot Number:	U2-MEB734294
Matrix:	5% (v/v) HNO3
Value / Analyte(s):	10 µg/mL ea:

Barium, Beryllium,
Bismuth, Cerium,
Cobalt, Indium,
Lithium, Nickel,
Lead, Uranium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Barium, Ba	10.01 ± 0.04 µg/mL	Beryllium, Be	10.01 ± 0.05 µg/mL
Bismuth, Bi	10.01 ± 0.06 µg/mL	Cerium, Ce	10.01 ± 0.04 µg/mL
Cobalt, Co	10.01 ± 0.05 µg/mL	Indium, In	10.01 ± 0.04 µg/mL
Lead, Pb	10.00 ± 0.04 µg/mL	Lithium, Li	10.01 ± 0.04 µg/mL
Nickel, Ni	10.01 ± 0.04 µg/mL	Uranium, U	10.01 ± 0.05 µg/mL

Density: 1.025 g/mL (measured at 20 ± 4 °C)

Assay Information:

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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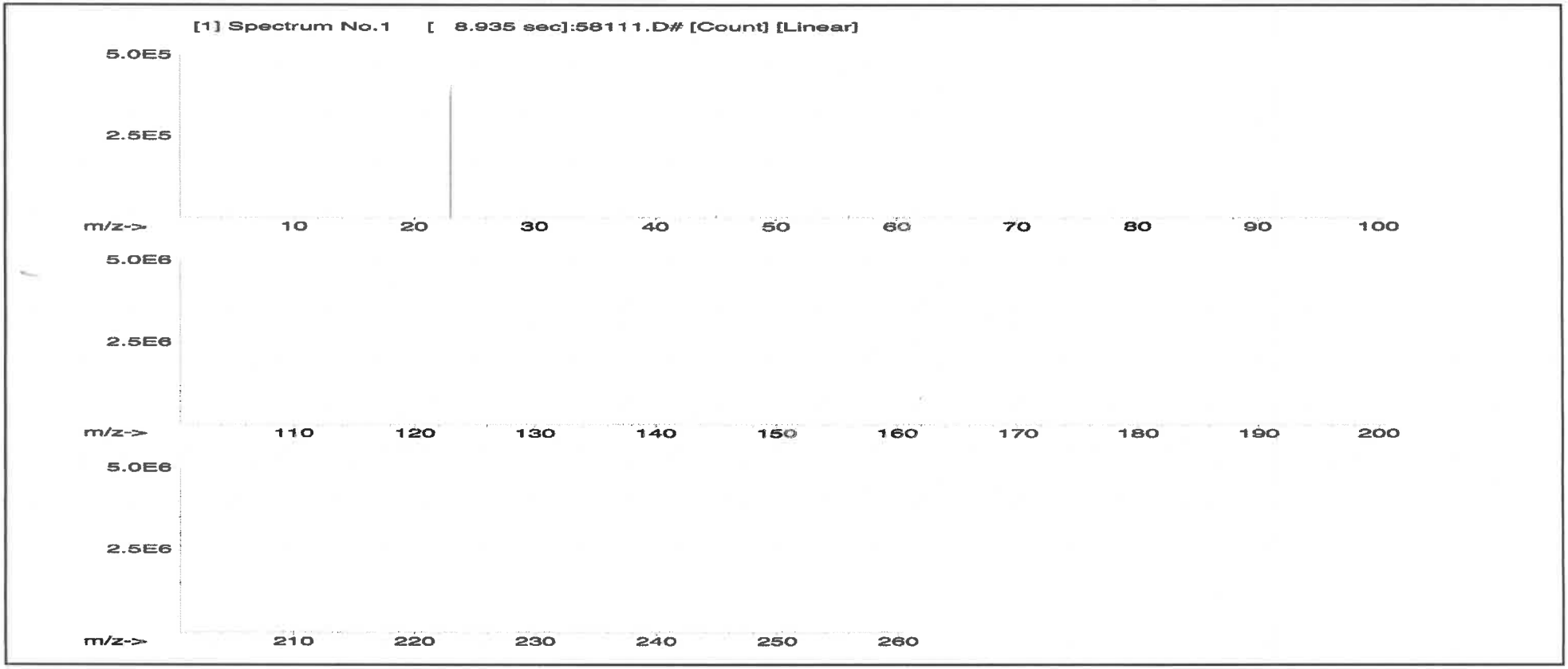
CERTIFIED WEIGHT REPORT:

Part Number:	**58111**		**Lot #**		
Lot Number:	**122223**	**Solvent:**	24002546	Nitric Acid	
Description:	**Sodium (Na)**				
		2%	60.0 (mL)	Nitric Acid	
Expiration Date:	122226				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**10000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	3000.4	0.06	Flask Uncertainty		

Aleah O'Brady

Formulated By:	Aleah O'Brady	122223
Reviewed By:	Pedro L. Rentas	122223

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Sodium nitrate (Na)	IN036	NAV012015I1	10000	99.999	0.10	26.9	111.5406	111.5479	**10000.7**	**20.0**	7631-99-4	5 mg/m3	orl-rat 3430 mg/kg	3152a



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	T	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:



* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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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:

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ANALYTE	METHOD	NIST SRM#	SRM LOT#
Bi	ICP Assay	3106	180815
Bi	Calculated		See Sec. 4.2
Ho	ICP Assay	3123a	090408
Ho	EDTA	928	928
In	ICP Assay	3124a	110516
In	EDTA	928	928
In	Calculated		See Sec. 4.2
Li6	Gravimetric		See Sec. 4.2
Rh	ICP Assay	3144	070619
Sc	ICP Assay	3148a	100701
Sc	EDTA	928	928
Tb	ICP Assay	3157a	100518
Tb	EDTA	928	928
Tb	Calculated		See Sec. 4.2
Y	ICP Assay	3167a	120314
Y	EDTA	928	928
Y	Calculated		See Sec. 4.2

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2 (u_{char\ i})^2)]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Certified Abundance:

IV's Certified Abundance

Isotope	Atom %
Lithium Li6	95.6 ± 0.3
Lithium Li7	4.4 ± 0.1

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

September 03, 2021

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- September 03, 2026

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Michael Booth
Director, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



QATS LABORATORY INORGANIC REFERENCE MATERIAL INTERFERENCE CHECK SAMPLE SET FOR ICP-MS (ICSA WITH ICSB)

NOTE: These instructions are for advisory purposes only. If any apparent conflict exists between these instructions and the analytical protocol or your contract, disregard these instructions.

APPLICATION: For use with the CLP SFAM01.0 SOW and revisions.

CAUTION: Read instructions carefully before opening bottle(s) and proceeding with the analyses.

Contains Heavy Metals
HAZARDOUS MATERIAL

Safety Data Sheets
Available Upon Request

(A) *SAMPLE DESCRIPTION*

Enclosed is a set of one (1) or more bottles of an Aqueous Reference Material, each composed of metals at various concentrations and prepared with nitrate salts and oxy-acids of the respective elements in a 5% nitric acid matrix**. For the reference material source in reporting ICSA and ICSAB mixture use "USEPA". For the reference material lot number for the ICSA use "ICSA-0803" and for the ICSAB mixture use "ICSA-0803+ICSB-0803".**

CAUTION: The bottle(s) should be protected from light during storage to ensure the stability of silver which is contained in the ICSB solution. The bottle(s) should be stored at room temperature. **Do not allow the solution(s) to freeze.**

(B) *BREAKAGE OR MISSING ITEMS*

Check the contents of the shipment carefully for any broken, leaking, or missing items. Check that the seal is intact on each bottle. Refer to the enclosed chain of custody record. Report any problems to the Contracting Officer, Ross Miller at miller.ross@epa.gov. If directed by Ross Miller, return the chain of custody record with appropriate annotations and signatures to the address provided below.

QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY
APTIM Federal Services, LLC
2700 Chandler Avenue - Building C
Las Vegas, NV 89120

(C) *ANALYSIS OF SAMPLES*

This interference check sample set is to be used to verify elemental isobaric correction factors of inductively coupled plasma-mass spectrometers (ICP-MS). This reference material set consists of two (2) concentrated solutions. The ICSA solution contains several interferent elements and species; for a complete listing refer to the CLP SOW. The ICSB solution contains the analytes: Ag, As, Sb, Ba, Be, Cd, Co, Cr, Cu, Mn, Ni, Pb, Tl, Se, V, and Zn. This instruction sheet provides the nominal values for the ICP-MS ICS Part A and Part B target analytes when diluted as directed.

Using Class "A" glassware, preparation and analysis must be performed according to the following instructions:

ICSA-0803, Inferferents: Pipet 10 mL of the ICSA solution into a 100 mL volumetric flask and dilute to volume with 1% v/v HNO_3. Analyze this solution by ICP-MS.

ICSB-0803, Analytes, mixed with ICSA-0803, Interferents: Pipet 10 mL of the ICSA solution and 10 mL of the ICSB solution into a 100 mL volumetric flask and dilute to volume with 1% v/v HNO_3. Analyze this ICSAB solution by ICP-MS.

(D) *"CERTIFIED VALUE" CONCENTRATIONS OF QATS ICP-MS ICS SOLUTION(S)*

The "Certified Value" concentrations of the elements, listed in Table 1 below, were derived from statistically pooled analysis results from the following sources, if available: QATS Laboratory, CLP laboratories, Quarterly Blind (QB)/Proficiency Testing (PT) events, CLP pre-award events, and external referee laboratories.

Table 1. "CERTIFIED VALUES" FOR INTERFERENCE CHECK SAMPLE ICP-MS ICSA-0803, AND ICSA-0803 MIXED WITH ICSB-0803

ICSA: M5873

ICSB: M5874

Element	CRQL	Part A (µg/L)	Lower Limit (µg/L)	Upper Limit (µg/L)	Part A +Part B (µg/L)	Lower Limit (µg/L)	Upper Limit (µg/L)
Al	20.0	[100000]			[100000]		
Sb	2.0	(1.5)	-2.5	5.5	(22.0)	18.0	26.0
As	1.0	(0.1)	-1.9	2.1	19.0	16.2	21.9
Ba	10.0	(1.2)	-18.8	21.2	(22.0)	2.0	42.0
Be	1.0	(0)	-2.0	2.0	19.0	16.2	21.9
Cd	1.0	(0.7)	-1.3	2.7	20.0	17.0	23.0
Ca	500	[100000]			[100000]		
C		[200000]			[200000]		
Cl		[1000000]			[1000000]		
Cr	2.0	(21.0)	17.0	25.0	40.0	34.0	46.0
Co	1.0	(1.0)	-1.0	3.0	20.0	17.0	23.0
Cu	2.0	(8.0)	4.0	12.0	(25.0)	21.0	29.0
Fe	200	[100000]			[100000]		
Pb	1.0	(4.0)	2.0	6.0	25.0	21.3	28.8
Mg	500	[100000]			[100000]		
Mn	1.0	(7.0)	5.0	9.0	27.0	23.0	31.1
Mo		[2000]			[2000]		
Ni	1.0	(6.0)	4.0	8.0	24.0	20.4	27.6
P		[100000]			[100000]		
K	500	[100000]			[100000]		
Se	5.0	(0.3)	-9.7	10.3	(19.0)	9.0	29.0
Ag	1.0	(0)	-2.0	2.0	18.0	15.3	20.7
Na	500	[100000]			[100000]		
S		[100000]			[100000]		
Tl	1.0	(0)	-2.0	2.0	21.0	17.9	24.2
Ti		[2000]			[2000]		
V	5.0	(0.5)	-9.5	10.5	(19.0)	9.0	29.0
Zn	5.0	(11.0)	1.0	21.0	(29.0)	19.0	39.0

[ ] Indicates analytes that do not require ICP-MS determination in the ICS.
The acceptance ranges for all analytes in parentheses in the above table were determined using the listed certified value ± 2 times the associated CLP SOW CRQL. The acceptance ranges for all other analytes were determined using the certified value ± 15 percent of the listed certified value.

QATS LABORATORY INORGANIC REFERENCE MATERIAL INTERFERENCE CHECK SAMPLE SET FOR ICP-MS (ICSA WITH ICSB)

NOTE: These instructions are for advisory purposes only. If any apparent conflict exists between these instructions and the analytical protocol or your contract, disregard these instructions.

APPLICATION: For use with the CLP SFAM01.0 SOW and revisions.

CAUTION: Read instructions carefully before opening bottle(s) and proceeding with the analyses.

Contains Heavy Metals
HAZARDOUS MATERIAL

Safety Data Sheets
Available Upon Request

(A) *SAMPLE DESCRIPTION*

Enclosed is a set of one (1) or more bottles of an Aqueous Reference Material, each composed of metals at various concentrations and prepared with nitrate salts and oxy-acids of the respective elements in a 5% nitric acid matrix**. For the reference material source in reporting ICSA and ICSAB mixture use "USEPA". For the reference material lot number for the ICSA use "ICSA-0803" and for the ICSAB mixture use "ICSA-0803+ICSB-0803".**

CAUTION: The bottle(s) should be protected from light during storage to ensure the stability of silver which is contained in the ICSB solution. The bottle(s) should be stored at room temperature. **Do not allow the solution(s) to freeze.**

(B) *BREAKAGE OR MISSING ITEMS*

Check the contents of the shipment carefully for any broken, leaking, or missing items. Check that the seal is intact on each bottle. Refer to the enclosed chain of custody record. Report any problems to the Contracting Officer, Ross Miller at miller.ross@epa.gov. If directed by Ross Miller, return the chain of custody record with appropriate annotations and signatures to the address provided below.

QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY
APTIM Federal Services, LLC
2700 Chandler Avenue - Building C
Las Vegas, NV 89120

(C) *ANALYSIS OF SAMPLES*

This interference check sample set is to be used to verify elemental isobaric correction factors of inductively coupled plasma-mass spectrometers (ICP-MS). This reference material set consists of two (2) concentrated solutions. The ICSA solution contains several interferent elements and species; for a complete listing refer to the CLP SOW. The ICSB solution contains the analytes: Ag, As, Sb, Ba, Be, Cd, Co, Cr, Cu, Mn, Ni, Pb, Tl, Se, V, and Zn. This instruction sheet provides the nominal values for the ICP-MS ICS Part A and Part B target analytes when diluted as directed.

Using Class "A" glassware, preparation and analysis must be performed according to the following instructions:

ICSA-0803, Inferferents: Pipet 10 mL of the ICSA solution into a 100 mL volumetric flask and dilute to volume with 1% v/v HNO_3. Analyze this solution by ICP-MS.

ICSB-0803, Analytes, mixed with ICSA-0803, Interferents: Pipet 10 mL of the ICSA solution and 10 mL of the ICSB solution into a 100 mL volumetric flask and dilute to volume with 1% v/v HNO_3. Analyze this ICSAB solution by ICP-MS.

(D) *"CERTIFIED VALUE" CONCENTRATIONS OF QATS ICP-MS ICS SOLUTION(S)*

The "Certified Value" concentrations of the elements, listed in Table 1 below, were derived from statistically pooled analysis results from the following sources, if available: QATS Laboratory, CLP laboratories, Quarterly Blind (QB)/Proficiency Testing (PT) events, CLP pre-award events, and external referee laboratories.

Table 1. "CERTIFIED VALUES" FOR INTERFERENCE CHECK SAMPLE ICP-MS ICSA-0803, AND ICSA-0803 MIXED WITH ICSB-0803

ICSA: M5873

ICSB: M5874

Element	CRQL	Part A (µg/L)	Lower Limit (µg/L)	Upper Limit (µg/L)	Part A +Part B (µg/L)	Lower Limit (µg/L)	Upper Limit (µg/L)
Al	20.0	[100000]			[100000]		
Sb	2.0	(1.5)	-2.5	5.5	(22.0)	18.0	26.0
As	1.0	(0.1)	-1.9	2.1	19.0	16.2	21.9
Ba	10.0	(1.2)	-18.8	21.2	(22.0)	2.0	42.0
Be	1.0	(0)	-2.0	2.0	19.0	16.2	21.9
Cd	1.0	(0.7)	-1.3	2.7	20.0	17.0	23.0
Ca	500	[100000]			[100000]		
C		[200000]			[200000]		
Cl		[1000000]			[1000000]		
Cr	2.0	(21.0)	17.0	25.0	40.0	34.0	46.0
Co	1.0	(1.0)	-1.0	3.0	20.0	17.0	23.0
Cu	2.0	(8.0)	4.0	12.0	(25.0)	21.0	29.0
Fe	200	[100000]			[100000]		
Pb	1.0	(4.0)	2.0	6.0	25.0	21.3	28.8
Mg	500	[100000]			[100000]		
Mn	1.0	(7.0)	5.0	9.0	27.0	23.0	31.1
Mo		[2000]			[2000]		
Ni	1.0	(6.0)	4.0	8.0	24.0	20.4	27.6
P		[100000]			[100000]		
K	500	[100000]			[100000]		
Se	5.0	(0.3)	-9.7	10.3	(19.0)	9.0	29.0
Ag	1.0	(0)	-2.0	2.0	18.0	15.3	20.7
Na	500	[100000]			[100000]		
S		[100000]			[100000]		
Tl	1.0	(0)	-2.0	2.0	21.0	17.9	24.2
Ti		[2000]			[2000]		
V	5.0	(0.5)	-9.5	10.5	(19.0)	9.0	29.0
Zn	5.0	(11.0)	1.0	21.0	(29.0)	19.0	39.0

[ ] Indicates analytes that do not require ICP-MS determination in the ICS.
The acceptance ranges for all analytes in parentheses in the above table were determined using the listed certified value ± 2 times the associated CLP SOW CRQL. The acceptance ranges for all other analytes were determined using the certified value ± 15 percent of the listed certified value.

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R: 01/03/24 M5802, M5803

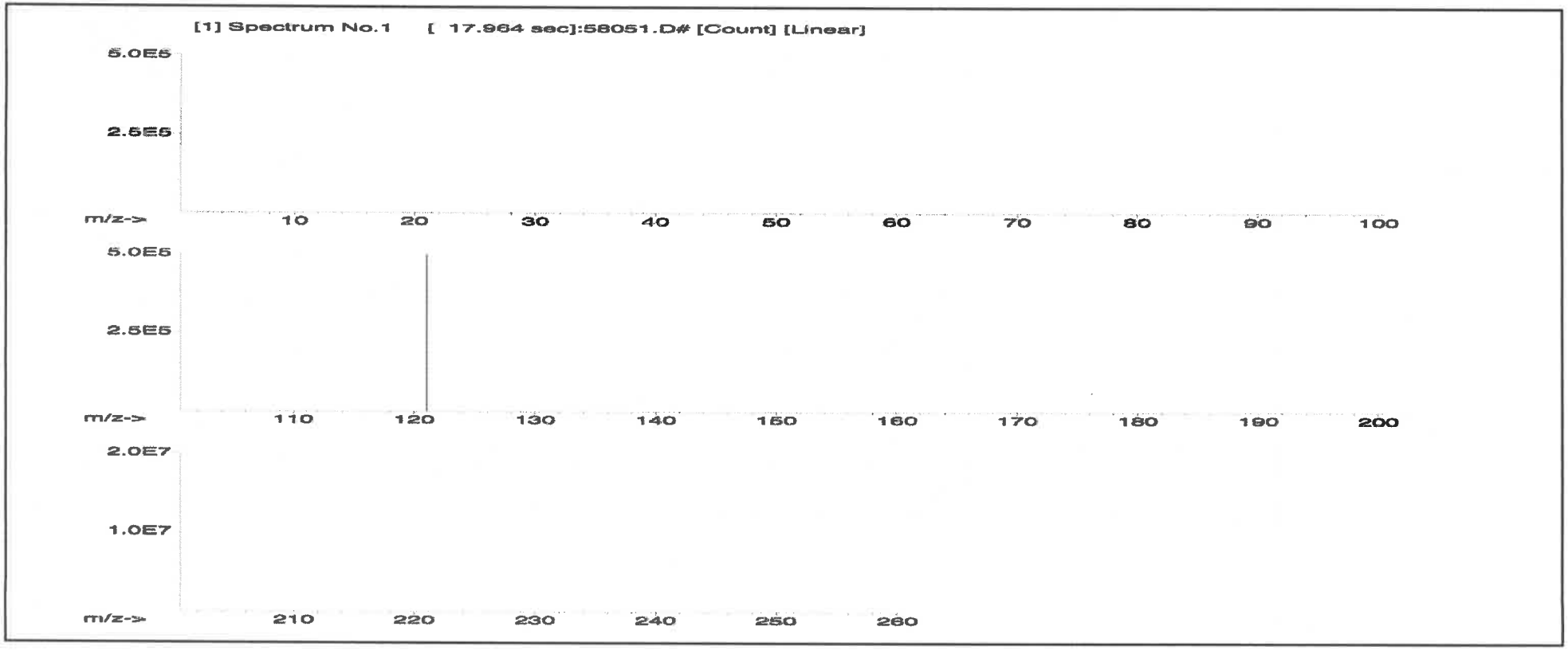
643

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:		
Part Number:	**57051**	24002546	Nitric Acid		
Lot Number:	**120523**				
Description:	**Antimony (Sb)**				
		2.0%	60.0 (mL)	Nitric Acid	
Expiration Date:	120526				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Volume shown below was diluted to (mL):	3000.41	0.058	Flask Uncertainty		

Formulated By:	Lawrence Barry	120523
Reviewed By:	Pedro L. Rentas	120523

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Antimony (Sb)	58151	100923	0.1000	300.0	0.084	1000	10001.4	**1000.0**	2.1	7440-36-0	0.5 mg/m3	orl-rat 7000 mg/kg	3102a



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	T	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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645

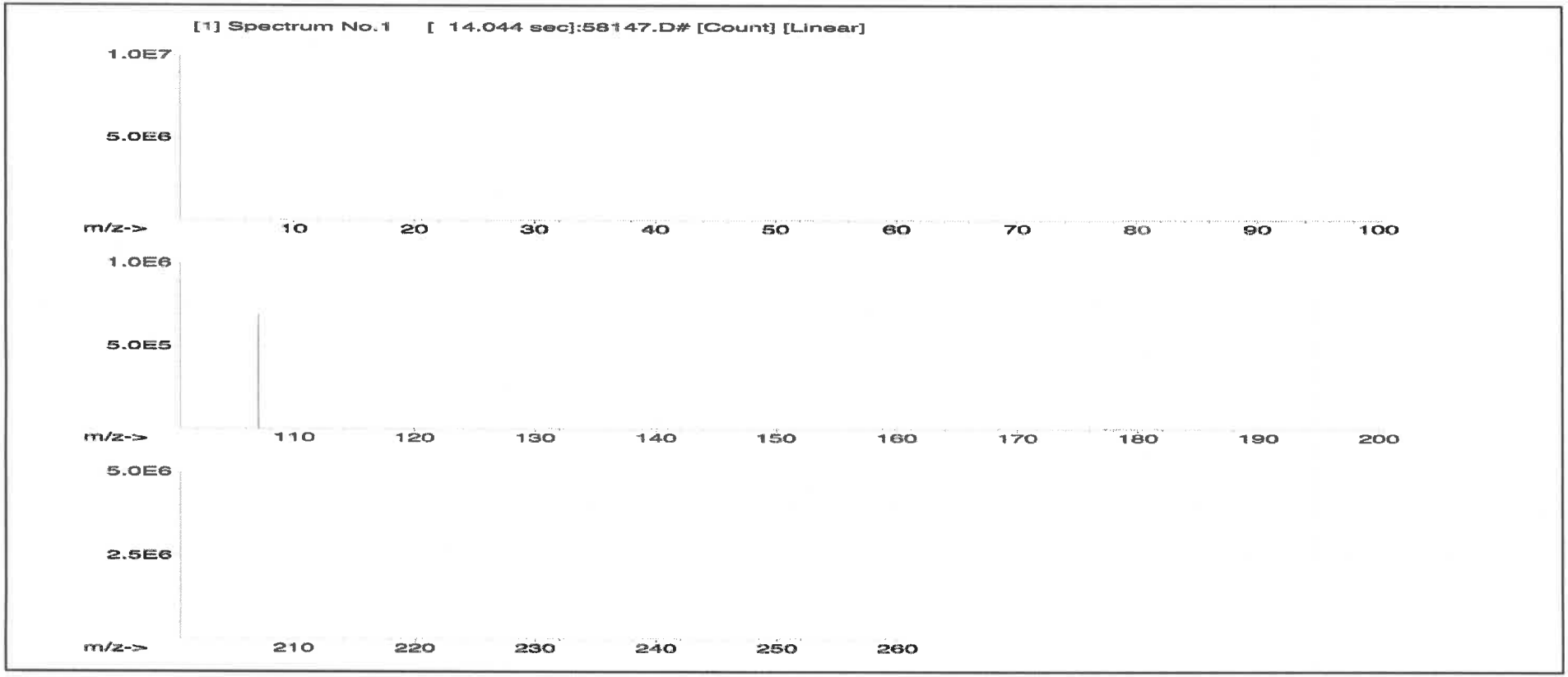
CERTIFIED WEIGHT REPORT:

Part Number:	**57047**		**Solvent:**	24002546	Nitric Acid
Lot Number:	**122823**				
Description:	**Silver (Ag)**		2%	80.0 (mL)	Nitric Acid
Expiration Date:	122826				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	4000.30	0.058	Flask Uncertainty		

Lot #

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



646

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	T	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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R: 03/16/23 M5473, M5474, M5475, M5476

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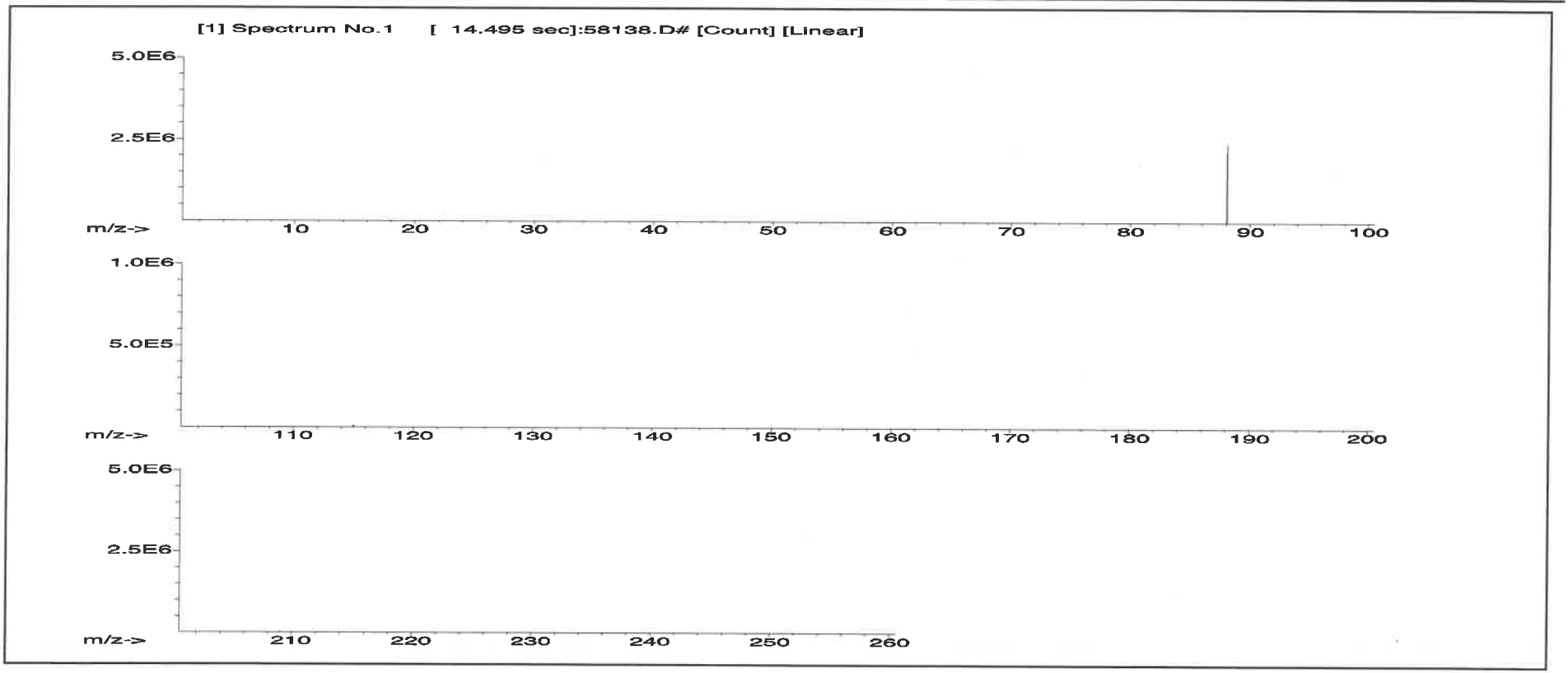
647

CERTIFIED WEIGHT REPORT:

Part Number:	**56138**		**Lot #**		
Lot Number:	**082922**	**Solvent:**	20510011	Nitric Acid	
Description:	**Strontium (Sr)**				
		2%	20.0 (mL)	Nitric Acid	
Expiration Date:	082925				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**10000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	1000.12	0.058	Flask Uncertainty		

Formulated By:	Lawrence Barry	082922
Reviewed By:	Pedro L. Rentas	082922

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	**Actual Conc. (µg/mL)**	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Strontium nitrate (Sr)	IN017	SRZ022018A1	10000	99.997	0.10	41.2	24.2756	24.2758	**10000.1**	**20.0**	10042-76-9	NA	orl-rat >2000mg/kg	3153a



648

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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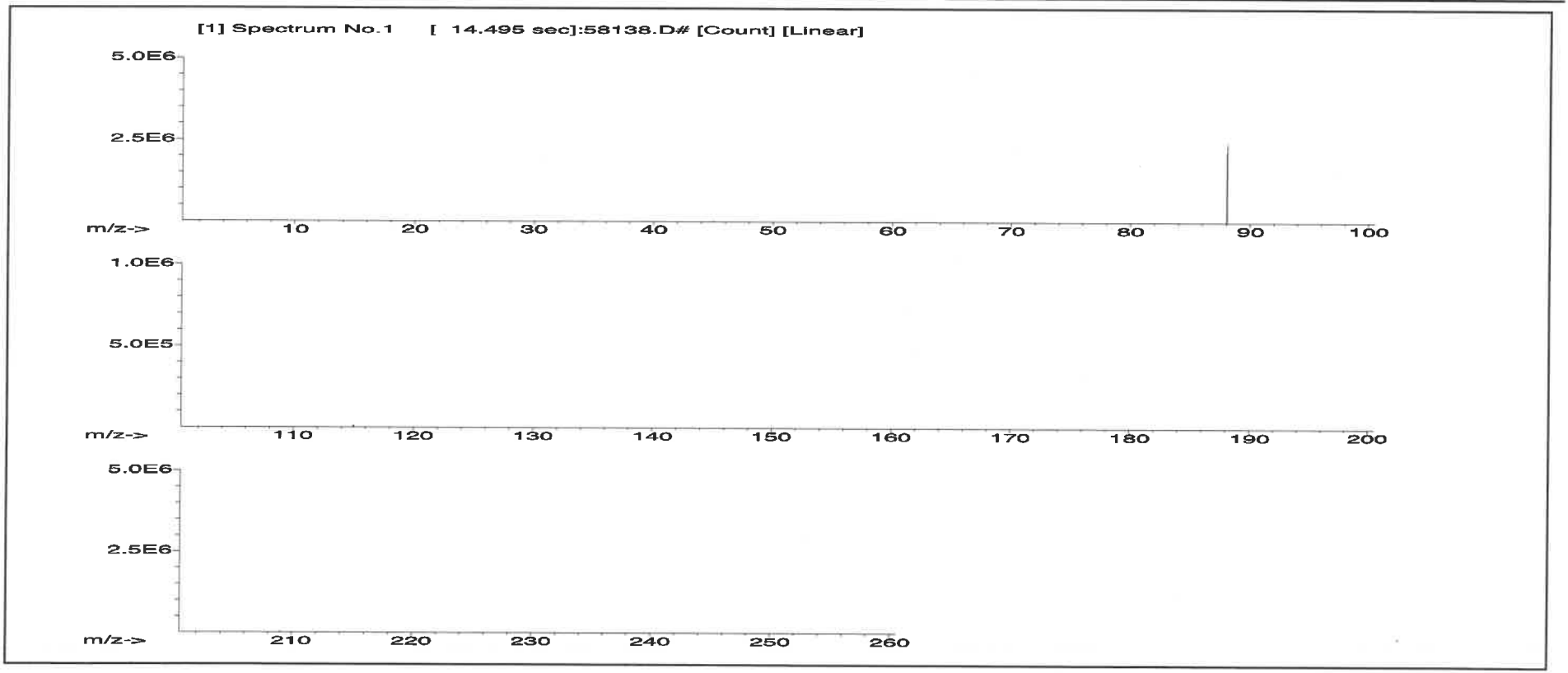
649

CERTIFIED WEIGHT REPORT:

Part Number:	**56138**		**Lot #**		
Lot Number:	**082922**	**Solvent:**	20510011	Nitric Acid	
Description:	**Strontium (Sr)**				
		2%	20.0 (mL)	Nitric Acid	
Expiration Date:	082925				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**10000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	1000.12	0.058	Flask Uncertainty		

Formulated By:	Lawrence Barry	082922
Reviewed By:	Pedro L. Rentas	082922

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	**Actual Conc. (µg/mL)**	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Strontium nitrate (Sr)	IN017	SRZ022018A1	10000	99.997	0.10	41.2	24.2756	24.2758	**10000.1**	**20.0**	10042-76-9	NA	orl-rat >2000mg/kg	3153a



650

Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	T	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Absolute Standards, Inc.
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Certified Reference Material CRM

R ! 8/5/24

M6023

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

651

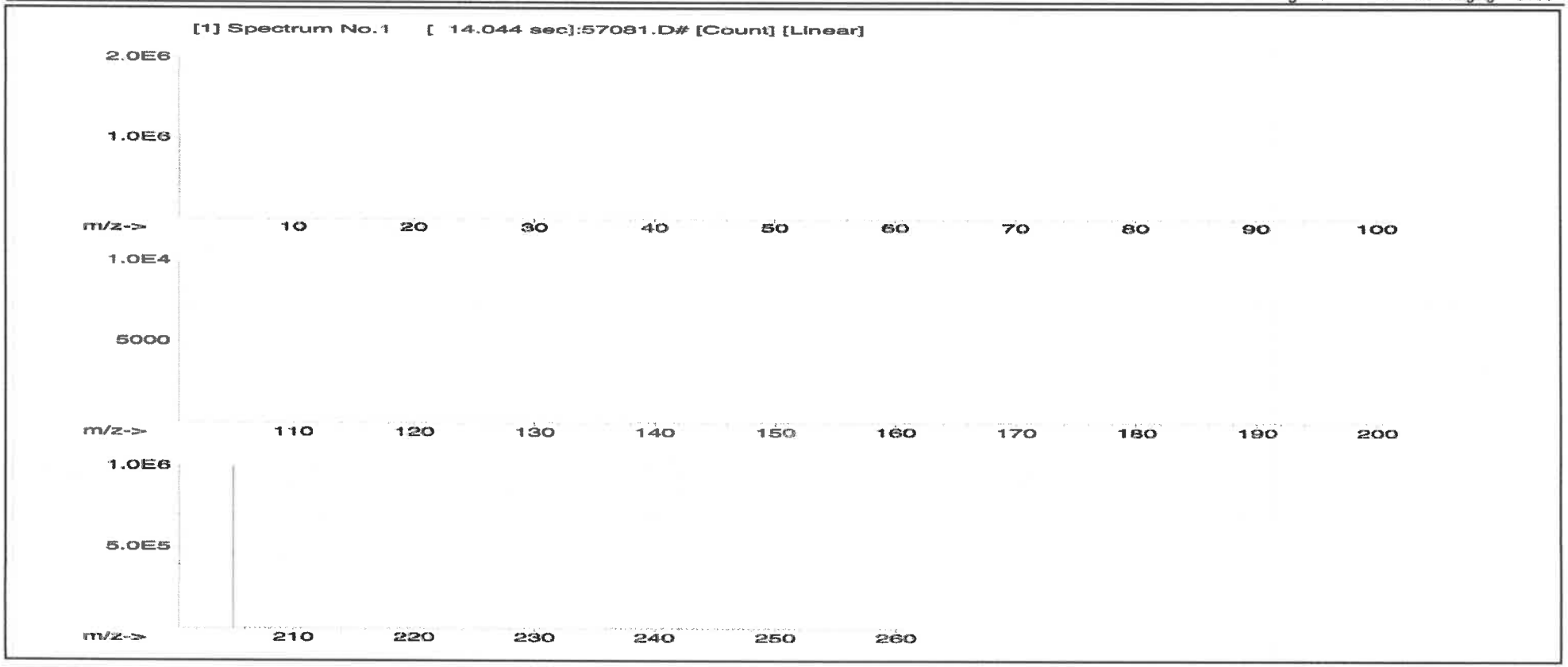
CERTIFIED WEIGHT REPORT:

Part Number:	**57081**		**Lot #**		
Lot Number:	**062724**	**Solvent:**	24002546	Nitric Acid	
Description:	**Thallium (Tl)**	2%	40.0 (mL)	Nitric Acid	
Expiration Date:	062727				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.1	0.10	Flask Uncertainty		

Aleah O'Brady

Formulated By:	Aleah O'Brady	062724
Reviewed By:	Pedro L. Rentas	062724

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Thallium nitrate (Tl)	IN037	BCCF4399	1000	99.999	0.10	77.0	2.5975	2.5977	**1000.1**	**2.0**	10102-45-1	0.1 mg/m3	orl-mus 15mg/kg	3158



652

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	T	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:



* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
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Certified Reference Material CRM

M6021

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

Rc. 8/5/24

653

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:	
Part Number:	**57023**			
Lot Number:	**062424**	24002546	Nitric Acid	
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	

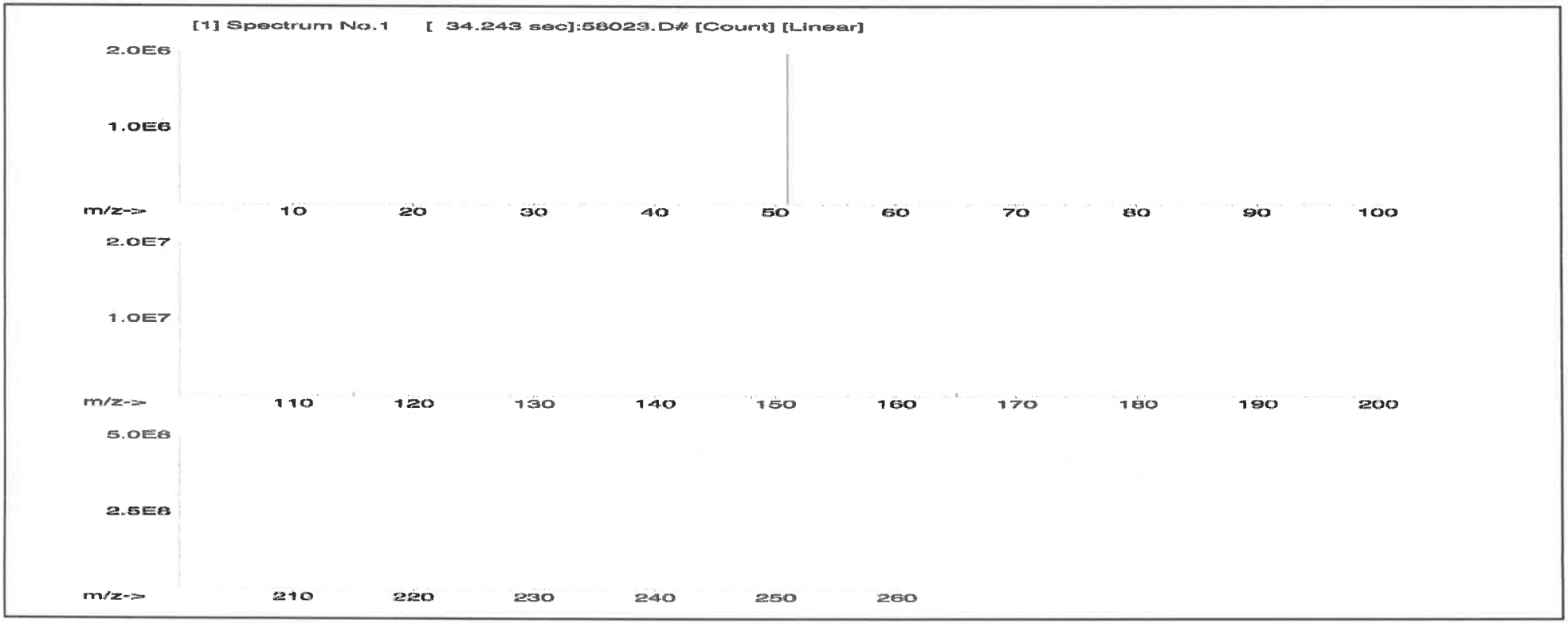
Aleah O'Brady

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



654

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	T
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
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Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB163702

SOP ID : M3050B-Digestion-20, MSFAM01.1-Metals ICPMS-2

SDG No : MYD5W7 **Start Digest Date:** 09/26/2024 **Time :** 10:30 **Temp :** 96 °C

Matrix : SOIL **End Digest Date:** 09/26/2024 **Time :** 13:30 **Temp :** 96 °C

Pippete ID: ICP A **Digestion tube ID:** M6054

Balance ID : M SC-2 **Block thermometer ID:** MET-DIG. #2

Filter paper ID : N/A **Dig Technician Signature:** jepp

pH Strip ID : N/A **Supervisor Signature:**

Hood ID : #3 **Temp :** **1.** 95°C **2.** N/A

Block ID: **1.** HOT BLOCK #2 **2.** N/A

Standared Name	MLS USED	STD REF. # FROM LOG
LCSS	1.00mL	MP82170
LCSSD	0.50ml	MP82170
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	M5965
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 : 95 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
9/26/24 13:35	jepp / Met dig.	(materials lab)
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	pH	Initial Weight (g)	Final Vol (ml)	Color Before	Color After	Texture	Artifact	Comment	Prep Pos
P2797-06	MYD4P3	N/A	1.25	500	Brown	yellow	Medium	N/A	N/A	1
P2797-07	MYD4P4	N/A	1.23	500	Brown	yellow	Medium	N/A	N/A	2
P2797-08	MYD4P5	N/A	1.38	500	Brown	yellow	Medium	N/A	N/A	3
P2797-09	MYD4P6	N/A	1.27	500	Brown	yellow	Medium	N/A	N/A	4
P2797-10	MYD4P7	N/A	1.22	500	Brown	yellow	Medium	N/A	N/A	5
P2797-11	MYD4P8	N/A	1.41	500	Brown	yellow	Medium	N/A	N/A	6
P2797-12	MYD4P9	N/A	1.46	500	Brown	yellow	Medium	N/A	N/A	7
P2797-12MS	MYD4P9SRE	N/A	1.36	500	Brown	yellow	Medium	N/A	M5565,M5657,M5962	8
~~P2797-12MSD~~	~~MYD4P9MSD~~	~~N/A~~	~~N/A~~	~~N/A~~	~~N/A~~	~~N/A~~	~~N/A~~	~~N/A~~	~~N/A~~ JP 10/15/2024	~~N/A~~
P2797-13	MYD4P9D	N/A	1.35	500	Brown	yellow	Medium	N/A	N/A	9
P2797-14	MYD4P9S	N/A	1.39	500	Brown	yellow	Medium	N/A	M5565,M5657,M5962	10
P2797-15	MYD4Q0	N/A	1.26	500	Brown	yellow	Medium	N/A	N/A	11
P2797-16	MYD4Q1	N/A	1.34	500	Brown	yellow	Medium	N/A	N/A	12
P2797-17	MYD4Q2	N/A	1.25	500	Brown	yellow	Medium	N/A	N/A	13
P2797-18	MYD4Q3	N/A	1.38	500	Brown	yellow	Medium	N/A	N/A	14
P2797-19	MYD4Q4	N/A	1.23	500	Brown	yellow	Medium	N/A	N/A	15
P2797-20	MYD4Q5	N/A	1.42	500	Brown	yellow	Medium	N/A	N/A	16
P2797-21	MYD4Q6	N/A	1.23	500	Brown	yellow	Medium	N/A	N/A	17
P2797-22	MYD4Q7	N/A	1.41	500	Brown	yellow	Medium	N/A	N/A	18
PB163702BL	PBS702	N/A	1.00	500	colorless	colorless	fine	N/A	N/A	19
PB163702BS	LCS702	N/A	1.00	500	colorless	colorless	fine	N/A	MP82170	20
PB163702BSD	LCSD702	N/A	1.00	500	colorless	colorless	fine	N/A	MP82170	21

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB163711

SOP ID : M200.8-Trace Elements-22, MSFAM01.1-Metals ICPMS-2

SDG No : MYD5W7 **Start Digest Date:** 09/26/2024 **Time :** 13:15 **Temp :** 95 °C

Matrix : WATER **End Digest Date:** 09/26/2024 **Time :** 15:20 **Temp :** 95 °C

Pippete ID: ICP A **Digestion tube ID:** M5595

Balance ID : N/A **Block thermometer ID:** MET-DIG. #1

Filter paper ID : N/A **Dig Technician Signature:** jepp

pH Strip ID : M6069 **Supervisor Signature:**

Hood ID : #3 **Temp :** **1.** 95°C **2.** N/A

Block ID: **1.** HOT BLOCK #1 **2.** N/A

Standared Name	MLS USED	STD REF. # FROM LOG
LCSW	0.50ml	MP82169
LCSWD	0.25ml	MP82169
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
1:1 HNO3	1.00	MP81119
1:1 HCL	0.50	MP82127
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

HOT BLOCK #1 CELL #45 : 95 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
9/26/24 15:30	jepp / Met dig.	Metals Lab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB163711

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
P2797-01	MYD599	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	1
P2797-02	MYD5W7	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	2
P2797-03	MYD5W8	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	3
P2797-04	MYD5W9	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	4
P2797-05	MYD5Z1	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	5
PB163711BL	PBW711	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	6
PB163711BS	LCS711	<2	50	50	Colorless	Colorless	Clear	Clear	MP82169	7
PB163711BSD	LCSD711	<2	50	50	Colorless	Colorless	Clear	Clear	MP82169	8

JP 10/15/2024

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 # LB132751

Review By	Sarabjit Jaswal	Review On	10/4/2024 12:04:54 PM
Supervise By	Mohan Bera	Supervise On	10/7/2024 11:35:57 PM

STD. NAME	STD REF.#
ICAL Standard	MP82568,MP82577,MP82576,MP82574,MP82573,MP82572,MP82571,MP82570,MP82569
ICV Standard	MP82578
CCV Standard	MP82579
ICSA Standard	MP82580,MP82581
CRI Standard	
LCS Standard	MP82169,MP82170
Chk Standard	MP82587,MP82586

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	TUNE	TUNE001	TUNE	10/02/24 15:49		Jaswal	OK
2	S00	S0	CAL1	10/02/24 16:30		Jaswal	OK
3	S02	S02	CAL3	10/02/24 16:33		Jaswal	OK
4	S03	S03	CAL4	10/02/24 16:37		Jaswal	OK
5	S04	S04	CAL5	10/02/24 16:40		Jaswal	OK
6	S05	S05	CAL6	10/02/24 16:43		Jaswal	OK
7	S06	S06	CAL7	10/02/24 16:46		Jaswal	OK
8	S07	S07	CAL8	10/02/24 16:49		Jaswal	OK
9	S08	S08	CAL9	10/02/24 16:52		Jaswal	OK
10	ICV001	ICV001	ICV	10/02/24 17:07	Inst. paused for calibration review	Jaswal	OK
11	ICB001	ICB001	ICB	10/02/24 17:11		Jaswal	OK
12	ICSA001	ICSA001	ICSA	10/02/24 17:15		Jaswal	OK
13	ICSAB001	ICSAB001	ICSAB	10/02/24 17:18		Jaswal	OK
14	CCV001	CCV001	CCV	10/02/24 17:21		Jaswal	OK
15	CCB001	CCB001	CCB	10/02/24 17:24		Jaswal	OK
16	PB163702BL	PBS702	MB	10/02/24 17:28		Jaswal	OK
17	PB163702BS	LCS702	LCS	10/02/24 17:31		Jaswal	OK
18	PB163702BSD	LCSD702	LCSD	10/02/24 17:34		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 # LB132751

Review By	Sarabjit Jaswal	Review On	10/4/2024 12:04:54 PM
Supervise By	Mohan Bera	Supervise On	10/7/2024 11:35:57 PM

STD. NAME	STD REF.#
ICAL Standard	MP82568,MP82577,MP82576,MP82574,MP82573,MP82572,MP82571,MP82570,MP82569
ICV Standard	MP82578
CCV Standard	MP82579
ICSA Standard	MP82580,MP82581
CRI Standard	
LCS Standard	MP82169,MP82170
Chk Standard	MP82587,MP82586

19	P2797-06	MYD4P3	SAM	10/02/24 17:38		Jaswal	OK
20	P2797-07	MYD4P4	SAM	10/02/24 17:41		Jaswal	OK
21	P2797-08	MYD4P5	SAM	10/02/24 17:44		Jaswal	OK
22	P2797-09	MYD4P6	SAM	10/02/24 17:48		Jaswal	OK
23	P2797-10	MYD4P7	SAM	10/02/24 17:51		Jaswal	OK
24	P2797-11	MYD4P8	SAM	10/02/24 17:54		Jaswal	OK
25	P2797-12	MYD4P9	SAM	10/02/24 17:57	Ba,Co,Ni,V high in MSRE	Jaswal	Dilution
26	P2797-13	MYD4P9D	DUP	10/02/24 18:00	Ba,Co,Ni,V high in MSRE	Jaswal	Dilution
27	P2797-12L	MYD4P9L	SD	10/02/24 18:03	Ba,Co,Ni,V high in MSRE	Jaswal	Dilution
28	P2797-14	MYD4P9S	MS	10/02/24 18:06	Ba,Co,Ni,V high in MSRE	Jaswal	Dilution
29	P2797-12MS	MYD4P9SRE	MS	10/02/24 18:09	Ba,Co,Ni,V high	Jaswal	Dilution
30	P2797-15	MYD4Q0	SAM	10/02/24 18:12		Jaswal	OK
31	P2797-16	MYD4Q1	SAM	10/02/24 18:15		Jaswal	OK
32	P2797-17	MYD4Q2	SAM	10/02/24 18:18		Jaswal	OK
33	P2797-18	MYD4Q3	SAM	10/02/24 18:21		Jaswal	OK
34	P2797-19	MYD4Q4	SAM	10/02/24 18:24		Jaswal	OK
35	P2797-20	MYD4Q5	SAM	10/02/24 18:27		Jaswal	OK
36	P2797-21	MYD4Q6	SAM	10/02/24 18:30		Jaswal	OK
37	P2797-22	MYD4Q7	SAM	10/02/24 18:33		Jaswal	OK
38	PB163711BL	PBW711	MB	10/02/24 18:36		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 # LB132751

Review By	Sarabjit Jaswal	Review On	10/4/2024 12:04:54 PM
Supervise By	Mohan Bera	Supervise On	10/7/2024 11:35:57 PM

STD. NAME	STD REF.#
ICAL Standard	MP82568,MP82577,MP82576,MP82574,MP82573,MP82572,MP82571,MP82570,MP82569
ICV Standard	MP82578
CCV Standard	MP82579
ICSA Standard	MP82580,MP82581
CRI Standard	
LCS Standard	MP82169,MP82170
Chk Standard	MP82587,MP82586

39	PB163711BS	LCS711	LCS	10/02/24 18:46		Jaswal	OK
40	PB163711BSD	LCSD711	LCSD	10/02/24 18:49	NOT USE -	Jaswal	Not Ok
41	P2797-01	MYD599	SAM	10/02/24 18:52		Jaswal	OK
42	CCV002	CCV002	CCV	10/02/24 18:56		Jaswal	OK
43	CCB002	CCB002	CCB	10/02/24 18:59		Jaswal	OK
44	P2797-02	MYD5W7	SAM	10/02/24 19:02		Jaswal	OK
45	P2797-03	MYD5W8	SAM	10/02/24 19:05		Jaswal	OK
46	P2797-04	MYD5W9	SAM	10/02/24 19:08		Jaswal	OK
47	P2797-05	MYD5Z1	SAM	10/02/24 19:12		Jaswal	OK
48	P2797-12DL	MYD4P9	SAM	10/02/24 19:15	4X for Ba,Co,Ni,V	Jaswal	Confirms
49	P2797-13DL	MYD4P9D	DUP	10/02/24 19:18	4X for Ba,Co,Ni,V	Jaswal	Confirms
50	P2797-12LDL	MYD4P9L	SD	10/02/24 19:21	4X for Ba,Co,Ni,V	Jaswal	Confirms
51	P2797-14DL	MYD4P9S	MS	10/02/24 19:25	4X for Ba,Co,Ni,V & MS Fail for V(66.25ppb)	Jaswal	Confirms
52	P2797-12MSDL	MYD4P9SRE	MS	10/02/24 19:28	4X for Ba,Co,Ni,V	Jaswal	Confirms
53	PB163715BL	PBS715	MB	10/02/24 19:31		Jaswal	OK
54	PB163715BS	LCS715	LCS	10/02/24 19:34		Jaswal	OK
55	PB163715BSD	LCSD715	LCSD	10/02/24 19:37		Jaswal	OK
56	P2813-01	MYD4Y4	SAM	10/02/24 19:40	Ba,Co,Ni,V high in MSRE	Jaswal	Dilution
57	P2813-02	MYD4Y4D	DUP	10/02/24 19:44	Ba,Co,Ni,V high in MSRE	Jaswal	Dilution

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 # LB132751

Review By	Sarabjit Jaswal	Review On	10/4/2024 12:04:54 PM
Supervise By	Mohan Bera	Supervise On	10/7/2024 11:35:57 PM

STD. NAME	STD REF.#
ICAL Standard	MP82568,MP82577,MP82576,MP82574,MP82573,MP82572,MP82571,MP82570,MP82569
ICV Standard	MP82578
CCV Standard	MP82579
ICSA Standard	MP82580,MP82581
CRI Standard	
LCS Standard	MP82169,MP82170
Chk Standard	MP82587,MP82586

58	P2813-01L	MYD4Y4L	SD	10/02/24 19:47	Ba,Co,Ni,V high in MSRE	Jaswal	Dilution
59	P2813-03	MYD4Y4S	MS	10/02/24 19:50	Ba,Co,Ni,V high in MSRE	Jaswal	Dilution
60	P2813-01MS	MYD4Y4SRE	MS	10/02/24 19:53	Ba,Co,Ni,V high	Jaswal	Dilution
61	P2813-04	MYD4Y8	SAM	10/02/24 19:56		Jaswal	OK
62	P2813-05	MYD4Y9	SAM	10/02/24 19:59		Jaswal	OK
63	P2813-06	MYD4Z0	SAM	10/02/24 20:02		Jaswal	OK
64	P2813-07	MYD4Z1	SAM	10/02/24 20:05		Jaswal	OK
65	P2813-08	MYD4Z2	SAM	10/02/24 20:08		Jaswal	OK
66	P2813-09	MYD4Z3	SAM	10/02/24 20:11		Jaswal	OK
67	P2813-10	MYD4Z4	SAM	10/02/24 20:14		Jaswal	OK
68	P2813-11	MYD4Z5	SAM	10/02/24 20:17		Jaswal	OK
69	P2813-12	MYD4Z6	SAM	10/02/24 20:20		Jaswal	OK
70	CCV003	CCV003	CCV	10/02/24 20:23		Jaswal	OK
71	CCB003	CCB003	CCB	10/02/24 20:26		Jaswal	OK
72	P2813-13	MYD4Z7	SAM	10/02/24 20:29		Jaswal	OK
73	P2813-14	MYD4Z8	SAM	10/02/24 20:32		Jaswal	OK
74	P2813-15	MYD4Z9	SAM	10/02/24 20:36		Jaswal	OK
75	P2813-16	MYD500	SAM	10/02/24 20:39		Jaswal	OK
76	P2813-17	MYD501	SAM	10/02/24 20:42		Jaswal	OK
77	P2813-18	MYD502	SAM	10/02/24 20:45		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 # LB132751

Review By	Sarabjit Jaswal	Review On	10/4/2024 12:04:54 PM
Supervise By	Mohan Bera	Supervise On	10/7/2024 11:35:57 PM

STD. NAME	STD REF.#
ICAL Standard	MP82568,MP82577,MP82576,MP82574,MP82573,MP82572,MP82571,MP82570,MP82569
ICV Standard	MP82578
CCV Standard	MP82579
ICSA Standard	MP82580,MP82581
CRI Standard	
LCS Standard	MP82169,MP82170
Chk Standard	MP82587,MP82586

78	P2813-19	MYD503	SAM	10/02/24 20:48		Jaswal	OK
79	P2813-20	MYD504	SAM	10/02/24 20:51		Jaswal	OK
80	P2813-21	MYD505	SAM	10/02/24 20:54		Jaswal	OK
81	P2813-22	MYD506	SAM	10/02/24 20:57		Jaswal	OK
82	P2813-01DL	MYD4Y4	SAM	10/02/24 21:00	4X for Ba,Co,Ni,V	Jaswal	Confirms
83	P2813-02DL	MYD4Y4D	DUP	10/02/24 21:03	4X for Ba,Co,Ni,V	Jaswal	Confirms
84	P2813-01LDL	MYD4Y4L	SD	10/02/24 21:06	4X for Ba,Co,Ni,V	Jaswal	Confirms
85	P2813-03DL	MYD4Y4S	MS	10/02/24 21:10	4X for Ba,Co,Ni,V	Jaswal	Confirms
86	P2813-01MSDL	MYD4Y4SRE	MS	10/02/24 21:13	4X for Ba,Co,Ni,V	Jaswal	Confirms
87	CCV004	CCV004	CCV	10/02/24 21:16		Jaswal	OK
88	CCB004	CCB004	CCB	10/02/24 21:19		Jaswal	OK

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: 17x11x15 IN

BILL SENDER

TO **SOHIL JODHANI**
ALLIANCE TECHNICAL GROUP LLC
284 SHEFFIELD ST
MOUNTAINSIDE NJ 07092
(908) 789-8800
INV:
PO:
REF: W3150.1.043.09MX.A.K0P551.0700
DEPT:

583J5/B21D/9AE3

FedEx Express
J24202403260lw

6824 10:35 2-1

MON - 10 JUN 10:30A
PRIORITY OVERNIGHT

TRK# 0201 **7767 6250 0336**

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NJ-US **EWR**

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CAROLINA GUIJARRO
WESTON SOLUTIONS
105 SOUTH ALARCO STREET
APARTMENT #6
PRESCOTT, AZ 85284
UNITED STATES US

SHIP DATE: 07JUN24
ACTWGT: 60.00 LB
CAD: 110553659/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:

583J/6CA9/9AE3

FedEx Express

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Alliance TECHNICAL GROUP 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Login Summary Report

Order ID :	P2797	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 :	6/10/2024 5:02:41 PM				

Sample ID	Client ID	Matrix	Sampling Date	Test	Test Group	Method	TAT Days	Fax Due Date	HC Due Date
P2797-01	MYD599	Water	06/05/2024		RB				
				Metals CLP Full		SFAM_AES	15	07/01/2024	07/01/2024
				Metals CLP MS		SFAM_MS	15	06/28/2024	06/28/2024
P2797-02	MYD5W7	Water	06/03/2024		RB				
				Metals CLP Full		SFAM_AES	15	07/01/2024	07/01/2024
				Metals CLP MS		SFAM_MS	15	06/28/2024	06/28/2024
P2797-03	MYD5W8	Water	06/06/2024		RB				
				Metals CLP Full		SFAM_AES	15	07/01/2024	07/01/2024
				Metals CLP MS		SFAM_MS	15	06/28/2024	06/28/2024
P2797-04	MYD5W9	Water	06/04/2024		RB				
				Metals CLP Full		SFAM_AES	15	07/01/2024	07/01/2024
				Metals CLP MS		SFAM_MS	15	06/28/2024	06/28/2024
P2797-05	MYD5Z1	Water	06/07/2024		RB				
				Metals CLP Full		SFAM_AES	15	07/01/2024	07/01/2024
				Metals CLP MS		SFAM_MS	15	06/28/2024	06/28/2024
P2797-06	MYD4P3	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
P2797-07	MYD4P4	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
P2797-08	MYD4P5	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
P2797-09	MYD4P6	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
P2797-10	MYD4P7	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
P2797-11	MYD4P8	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
P2797-12	MYD4P9	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
P2797-13	MYD4P9D	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
P2797-14	MYD4P9S	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
P2797-15	MYD4Q0	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
P2797-16	MYD4Q1	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
P2797-17	MYD4Q2	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
P2797-18	MYD4Q3	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
P2797-19	MYD4Q4	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

P2797-20	MYD4Q5	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
P2797-21	MYD4Q6	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
P2797-22	MYD4Q7	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

WORKLIST(Hardcopy Internal Chain)

WorkList Name : PB163702 **WorkList ID :** 183856 **Department :** Digestion **Date :** 09-26-2024 09:46:47

699

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P2797-06	MYD4P3	Solid	Metals CLP MS FULL	1:1 HNO3 to pH < 2	USEP01	Q11	06/05/2024	SFAM_MS
P2797-07	MYD4P4	Solid	Metals CLP MS FULL	1:1 HNO3 to pH < 2	USEP01	Q11	06/05/2024	SFAM_MS
P2797-08	MYD4P5	Solid	Metals CLP MS FULL	1:1 HNO3 to pH < 2	USEP01	Q11	06/05/2024	SFAM_MS
P2797-09	MYD4P6	Solid	Metals CLP MS FULL	1:1 HNO3 to pH < 2	USEP01	Q11	06/05/2024	SFAM_MS
P2797-10	MYD4P7	Solid	Metals CLP MS FULL	1:1 HNO3 to pH < 2	USEP01	Q11	06/05/2024	SFAM_MS
P2797-11	MYD4P8	Solid	Metals CLP MS FULL	1:1 HNO3 to pH < 2	USEP01	Q11	06/05/2024	SFAM_MS
P2797-12	MYD4P9	Solid	Metals CLP MS FULL	1:1 HNO3 to pH < 2	USEP01	Q11	06/05/2024	SFAM_MS
P2797-13	MYD4P9D	Solid	Metals CLP MS FULL	1:1 HNO3 to pH < 2	USEP01	Q11	06/05/2024	SFAM_MS
P2797-14	MYD4P9S	Solid	Metals CLP MS FULL	1:1 HNO3 to pH < 2	USEP01	Q11	06/05/2024	SFAM_MS
P2797-15	MYD4Q0	Solid	Metals CLP MS FULL	1:1 HNO3 to pH < 2	USEP01	Q11	06/05/2024	SFAM_MS
P2797-16	MYD4Q1	Solid	Metals CLP MS FULL	1:1 HNO3 to pH < 2	USEP01	Q11	06/05/2024	SFAM_MS
P2797-17	MYD4Q2	Solid	Metals CLP MS FULL	1:1 HNO3 to pH < 2	USEP01	Q11	06/05/2024	SFAM_MS
P2797-18	MYD4Q3	Solid	Metals CLP MS FULL	1:1 HNO3 to pH < 2	USEP01	Q11	06/05/2024	SFAM_MS
P2797-19	MYD4Q4	Solid	Metals CLP MS FULL	1:1 HNO3 to pH < 2	USEP01	Q11	06/05/2024	SFAM_MS
P2797-20	MYD4Q5	Solid	Metals CLP MS FULL	1:1 HNO3 to pH < 2	USEP01	Q11	06/05/2024	SFAM_MS
P2797-21	MYD4Q6	Solid	Metals CLP MS FULL	1:1 HNO3 to pH < 2	USEP01	Q11	06/05/2024	SFAM_MS
P2797-22	MYD4Q7	Solid	Metals CLP MS FULL	1:1 HNO3 to pH < 2	USEP01	Q11	06/05/2024	SFAM_MS

Date/Time 9/26/24 9:50
Raw Sample Received by: jepp (Met dlvd)
Raw Sample Relinquished by: JM (SM)

Date/Time 9/26/24 10:30
Raw Sample Received by: JM (SM)
Raw Sample Relinquished by: jepp (Met dlvd)

WORKLIST(Hardcopy Internal Chain)

WorkList Name : PB163711 **WorkList ID :** 183870 **Department :** Digestion **Date :** 09-26-2024 12:43:31

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P2797-01	MYD599	Water	Metals CLP MS	1:1 HNO3 to pH < 2	USEP01	Q11	06/05/2024	SFAM_MS
P2797-02	MYD5W7	Water	Metals CLP MS	1:1 HNO3 to pH < 2	USEP01	Q11	06/03/2024	SFAM_MS
P2797-03	MYD5W8	Water	Metals CLP MS	1:1 HNO3 to pH < 2	USEP01	Q11	06/06/2024	SFAM_MS
P2797-04	MYD5W9	Water	Metals CLP MS	1:1 HNO3 to pH < 2	USEP01	Q11	06/04/2024	SFAM_MS
P2797-05	MYD5Z1	Water	Metals CLP MS	1:1 HNO3 to pH < 2	USEP01	Q11	06/07/2024	SFAM_MS

079

Date/Time 9/26/24 13:00
Raw Sample Received by: jgp(MetDig)
Raw Sample Relinquished by: JM (SM)

Date/Time 9/26/24 14:30
Raw Sample Received by: JM (SM)
Raw Sample Relinquished by: jgp(MetDig)