SDG COVER PAGE

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

Lab Code: ACE Case No.: 51495 MA No.: 3221.2 SDG No.: MYD5X5

SOW No. : SFAM01.1

EPA Sample No.	Lab Sample Id	Analysis Method ICP-AES	ICP-MS	Mercury	Cyanide
MYD5X4	P2827-01		X		
MYD5X5	P2827-02		X		
MYD5X6	P2827-03		X		
MYD5X7	P2827-04		X		
MYD5X8	P2827-05		X		
MYD5X9	P2827-06		X		
MYD5Y0	P2827-07		X		
MYD5Y1	P2827-08		X		
MYD5Y2	P2827-09		X		
MYD5Y3	P2827-10		X		
MYD5Y3D	P2827-11		X		
MYD5Y3S	P2827-12		X		
MYD5Y4	P2827-13		X		
MYD5Y5	P2827-14		X		
MYD5Y6	P2827-15		X		
MYD5Y7	P2827-16		X		
MYD5Y8	P2827-17		X		
MYD5Y9	P2827-18		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 6243 8256

CHAIN OF CUSTODY RECORD

Case #: 51495
Cooler #: 51495-068

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

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
2393_2-A-004-01	MYD5X4	Soil/ REAC	Grab	ICP-AES 11(21)	9-3958 (None) (1)	2393_2-A-004	06/07/2024 09:18	1
134-A-0006-01	MYD5X5	Soil/ REAC	Grab	ICP-AES 11(21)	9-3959 (None) (1)	134-A-0006	06/07/2024 10:03	2
134-B-S0001-01	MYD5X6	Soil/ REAC	Grab	ICP-AES 11(21)	9-3960 (None) (1)	134-B-S0001	06/07/2024 10:03	3
134-B-S0002-01	MYD5X7	Soil/ REAC	Grab	ICP-AES 11(21)	9-3961 (None) (1)	134-B-S0002	06/07/2024 10:02	4
134-A-0001-01	MYD5X8	Soil/ REAC	Grab	ICP-AES 11(21)	9-3962 (None) (1)	134-A-0001	06/07/2024 10:01	5
134-B-0002-02	MYD5X9	Soil/ REAC	Grab	ICP-AES 11(21)	9-3963 (None) (1)	134-B-0002	06/07/2024 10:01	6
134-A-0003-01	MYD5Y0	Soil/ REAC	Grab	ICP-AES 11(21)	9-3964 (None) (1)	134-A-0003	06/07/2024 10:00	7
134-B-0002-01	MYD5Y1	Soil/ REAC	Grab	ICP-AES 11(21)	9-3965 (None) (1)	134-B-0002	06/07/2024 09:59	8
134-A-0005-01	MYD5Y2	Soil/ REAC	Grab	ICP-AES 11(21)	9-3966 (None) (1)	134-A-0005	06/07/2024 09:57	9
134-B-0003-03	MYD5Y3	Soil/ REAC	Grab	ICP-AES 11(21)	9-3967 (None) (1)	134-B-0003	06/07/2024 09:56	10 - LCS
134-A-0007-02	MYD5Y4	Soil/ REAC	Grab	ICP-AES 11(21)	9-3968 (None) (1)	134-A-0007	06/07/2024 09:54	11
134-B-0001-01	MYD5Y5	Soil/ REAC	Grab	ICP-AES 11(21)	9-3969 (None) (1)	134-B-0001	06/07/2024 09:54	12
134-A-0007-01	MYD5Y6	Soil/ REAC	Grab	ICP-AES 11(21)	9-3970 (None) (1)	134-A-0007	06/07/2024 09:53	13
134-A-0008-01	MYD5Y7	Soil/ REAC	Grab	ICP-AES 11(21)	9-3971 (None) (1)	134-A-0008	06/07/2024 09:53	14
134-A-0004-01	MYD5Y8	Soil/ REAC	Grab	ICP-AES 11(21)	9-3972 (None) (1)	134-A-0004	06/07/2024 09:51	15
134-A-0002-01	MYD5Y9	Soil/ REAC	Grab	ICP-AES 11(21)	9-3973 (None) (1)	134-A-0002	06/07/2024 09:46	16

Sample(s) to be used for Lab QC: 134-B-0003-03 Tag 9-3967 - 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 Cyprus Weston	6/7/2024 15:00	[signature]	8:54 6/10/24	IR Cooler 19.8°C
					Custody Seal Intact
					No Temp Blank

2

FORM DC-1

SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page 1 of 1
Received By (Print Name)		Log-in Date **6/10/2024**
Received By (Signature)		
Case Number 51495	SDG No. MYD5X4 & MYD5X5	MA No. 3208.0 & 3221.2

Remarks:	
1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos.	n/a
3. Traffic Reports/Chain Of Custody Records	Present
4. Airbill	Present
5 Airbill No. and Shipping Container ID No.	776762438256 1
6. Shipping Container Temperature Indicator Bottle	Absent
7. Shipping Container Temperature	19.8 Degree C
8. Sample Condition	Intact
9. Sample Tags Sample Tag Numbers	Absent Listed on Traffic Report
10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ?	Yes
11. Date Received at Lab	06/10/2024
12.Time Received	08:54

	EPA Sample #	Aqueous Water Sample pH	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
1	MYD5X4	N/A	9-3958	P2827-01	Intact
2	MYD5X5	N/A	9-3959	P2827-02	Intact
3	MYD5X6	N/A	9-3960	P2827-03	Intact
4	MYD5X7	N/A	9-3961	P2827-04	Intact
5	MYD5X8	N/A	9-3962	P2827-05	Intact
6	MYD5X9	N/A	9-3963	P2827-06	Intact
7	MYD5Y0	N/A	9-3964	P2827-07	Intact
8	MYD5Y1	N/A	9-3965	P2827-08	Intact
9	MYD5Y2	N/A	9-3966	P2827-09	Intact
10	MYD5Y3	N/A	9-3967	P2827-10	Intact
11	MYD5Y3D	N/A	9-3967	P2827-11	Intact
12	MYD5Y3S	N/A	9-3967	P2827-12	Intact
13	MYD5Y4	N/A	9-3968	P2827-13	Intact
14	MYD5Y5	N/A	9-3969	P2827-14	Intact
15	MYD5Y6	N/A	9-3970	P2827-15	Intact
16	MYD5Y7	N/A	9-3971	P2827-16	Intact
17	MYD5Y8	N/A	9-3972	P2827-17	Intact
18	MYD5Y9	N/A	9-3973	P2827-18	Intact
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.	**MYD5X5**
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	2	✓	
3 . Sample Log-In Sheet (DC-1)	3	3	✓	
4 . CSF Inventory Sheet (DC-2)	4	6	✓	
5 . SDG Narrative	7	11	✓	
6 . Communication Logs	12	15	✓	
7 . Percent Solids Log	16	17	✓	
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	18	33	✓	
18 . Instrument raw data by instrument in analysis order	34	538	✓	
Other Data				
19 . Standard and Reagent Preparation Logs	539	674	✓	
20 . Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	675	676	✓	
21 . Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	677	684	✓	
22 . Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions	NA	NA	✓	

	PAGE NOs: FROM	TO	CHECK LAB	REGION
23. Extraction Logs for TCLP and SPLP	NA	NA	✓	
24. Raw GPC Data	NA	NA	✓	
25. Raw Florisil Data	NA	NA	✓	
Analysis Forms and Data (Mercury)				
26. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable	NA	NA	✓	
27. Instrument raw data by instrument in analysis order	NA	NA	✓	
Other Data				
28. Standard and Reagent Preparation Logs	NA	NA	✓	
29. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	NA	NA	✓	
30. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	NA	NA	✓	
31. Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions	NA	NA	✓	
32. Extraction Logs for TCLP and SPLP	NA	NA	✓	
33. Raw GPC Data	NA	NA	✓	
34. Raw Florisil Data	NA	NA	✓	
Analysis Forms and Data (Cyanide)				
35. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable	NA	NA	✓	
36. Instrument raw data by instrument in analysis order	NA	NA	✓	
Other Data				
37. Standard and Reagent Preparation Logs	NA	NA	✓	
38. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	NA	NA	✓	
39. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	NA	NA	✓	
40. Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions	NA	NA	✓	
41. Extraction Logs for TCLP and SPLP	NA	NA	✓	
42. Raw GPC Data	NA	NA	✓	
43. Raw Florisil Data	NA	NA	✓	

	PAGE NOs: FROM	TO	CHECK LAB	REGION
Additional				
44. EPA Shipping/Receiving Documents				
Airbill (No. of Shipments 1)	685	685	✓	
Sample Tags	NA	NA	✓	
Sample Log-In Sheet (Lab)	686	688	✓	
45. Misc. Shipping/Receiving Records (list all individual records)				
	NA	NA	✓	
46. Internal Lab Sample Transfer Records and Tracking Sheets (describe or list)				
	689	689	✓	
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 # MYD5X5
CASE # 51495
CONTRACT # 68HERH20D0011
SOW# SFAM01.1
LAB NAME: Alliance Technical Group, LLC
LAB CODE: ACE
LAB ORDER ID # P2827
MODIFIED ANALYSIS#3221.2

A. Number of Samples and Date of Receipt

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

B. Parameters

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

C. Cooler Temp

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

Cooler: 19.8^{o}C

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

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

Issue 2: The 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 MYD5X4 For Arsenic:

If C = 35.91 ppb
Vf = 500 ml
W = 1.39 g
S = 0.847(84.7/100)
DF = 1

$$\text{Concentration (mg/kg)} = 35.91 \times \frac{500}{1.39 \times 0.847} \times 1 / 1000$$

$$= 15.2506 \text{ mg/kg}$$

$$= 15 \text{ mg/kg (Reported Result with Signification)}$$

H. QA/ QC

Calibrations met requirements. Interference check met requirements. Blank analyses did not indicate any presence of contamination. Laboratory Control sample was within control limits. Spike sample

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

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

Internal Standard Association for ICP-MS analysis.

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

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

Signature_____ Name: Nimisha Pandya

Date _____ Title: Document Control Officer

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

Summary of Modification

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

I. Analyte Modifications **Not applicable** ☒

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

The Laboratory shall:

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

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

The Laboratory shall:

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

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

The Laboratory shall:

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

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

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

Good afternoon,

Please advise on the issue below.

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

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

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

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

Leave alert: N/A

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

This Message Is From an External Sender

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

Hi Miles,

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

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

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

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

Good afternoon,

Please advise on the issue below.

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

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

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

Leave alert: N/A

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

This Message Is From an External Sender

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

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

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Leave alert: N/A

GENERAL DYNAMICS
information technology

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

This Message Is From an External Sender

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

Good morning ,

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

Thanks & Regards,

CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY

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

CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY

PERCENT SOLID

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

OVENTEMP IN Celsius(°C): 107
Time IN: 13:45
In Date: 06/13/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 07:40
Out Date: 06/14/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB131221

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
P2827-01	MYD5X4	1	1.15	8.44	9.59	8.3	84.7	
P2827-02	MYD5X5	2	1.18	8.34	9.52	9.36	98.1	
P2827-03	MYD5X6	3	1.18	8.59	9.77	9.55	97.4	
P2827-04	MYD5X7	4	1.18	8.52	9.7	9.48	97.4	
P2827-05	MYD5X8	5	1.18	8.48	9.66	9.44	97.4	
P2827-06	MYD5X9	6	1.17	8.43	9.6	9.38	97.4	
P2827-07	MYD5Y0	7	1.19	8.56	9.75	9.65	98.8	
P2827-08	MYD5Y1	8	1.18	8.56	9.74	9.51	97.3	
P2827-09	MYD5Y2	9	1.16	8.55	9.71	9.46	97.1	
P2827-10	MYD5Y3	10	1.17	8.68	9.85	9.45	95.4	
P2827-11	MYD5Y3D	11	1.17	8.68	9.85	9.45	95.4	
P2827-12	MYD5Y3S	12	1.17	8.68	9.85	9.45	95.4	
P2827-13	MYD5Y4	13	1.15	8.49	9.64	9.6	99.5	
P2827-14	MYD5Y5	14	1.17	8.64	9.81	9.51	96.5	
P2827-15	MYD5Y6	15	1.15	8.61	9.76	9.68	99.1	
P2827-16	MYD5Y7	16	1.16	8.58	9.74	9.66	99.1	
P2827-17	MYD5Y8	17	1.16	8.44	9.6	9.55	99.4	
P2827-18	MYD5Y9	18	1.15	8.38	9.53	9.44	98.9	

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

WORKLIST(Hardcopy Internal Chain)

VB 13122

WorkList Name : %1-p2827 **WorkList ID :** 181049 **Department :** Wet-Chemistry **Date :** 06-13-2024 11:45:20

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P2827-01	MYD5X4	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/07/2024	Chemtech -SO
P2827-02	MYD5X5	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/07/2024	Chemtech -SO
P2827-03	MYD5X6	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/07/2024	Chemtech -SO
P2827-04	MYD5X7	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/07/2024	Chemtech -SO
P2827-05	MYD5X8	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/07/2024	Chemtech -SO
P2827-06	MYD5X9	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/07/2024	Chemtech -SO
P2827-07	MYD5Y0	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/07/2024	Chemtech -SO
P2827-08	MYD5Y1	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/07/2024	Chemtech -SO
P2827-09	MYD5Y2	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/07/2024	Chemtech -SO
P2827-10	MYD5Y3	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/07/2024	Chemtech -SO
P2827-11	MYD5Y3D	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/07/2024	Chemtech -SO
P2827-12	MYD5Y3S	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/07/2024	Chemtech -SO
P2827-13	MYD5Y4	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/07/2024	Chemtech -SO
P2827-14	MYD5Y5	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/07/2024	Chemtech -SO
P2827-15	MYD5Y6	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/07/2024	Chemtech -SO
P2827-16	MYD5Y7	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/07/2024	Chemtech -SO
P2827-17	MYD5Y8	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/07/2024	Chemtech -SO
P2827-18	MYD5Y9	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	06/07/2024	Chemtech -SO

17

Date/Time 06-B-24 12:50

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

Date/Time 06-B-24 13:50

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

EPA SAMPLE NO.

MYD5X4

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.: MYD5X5

Matrix: SOIL Lab Sample ID: P2827-01

% Solids: 84.7 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	0.20	J	10/08/2024	1215
7440-38-2	Arsenic	15		10/08/2024	1215
7440-39-3	Barium	150		10/08/2024	1215
7440-41-7	Beryllium	0.56		10/08/2024	1215
7440-43-9	Cadmium	0.22	J	10/08/2024	1215
7440-47-3	Chromium	14		10/08/2024	1215
7440-48-4	Cobalt	12		10/08/2024	1215
7440-50-8	Copper	34		10/08/2024	1215
7439-92-1	Lead	20		10/08/2024	1215
7440-02-0	Nickel	14		10/08/2024	1215
7782-49-2	Selenium	0.53	J	10/08/2024	1215
7440-22-4	Silver	0.12	J	10/08/2024	1215
7440-28-0	Thallium	0.15	J	10/08/2024	1215
7440-62-2	Vanadium	40		10/08/2024	1215
7440-66-6	Zinc	77		10/08/2024	1215

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

Comments:

EPA SAMPLE NO.

MYD5X5

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.: MYD5X5

Matrix: SOIL Lab Sample ID: P2827-02

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

Analytical Method: ICP_MS

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

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7440-36-0	Antimony	0.30	J	10/08/2024	1218
7440-38-2	Arsenic	27		10/08/2024	1218
7440-39-3	Barium	140		10/08/2024	1218
7440-41-7	Beryllium	0.51		10/08/2024	1218
7440-43-9	Cadmium	0.55		10/08/2024	1218
7440-47-3	Chromium	16		10/08/2024	1218
7440-48-4	Cobalt	11		10/08/2024	1218
7440-50-8	Copper	47		10/08/2024	1218
7439-92-1	Lead	40		10/08/2024	1218
7440-02-0	Nickel	18		10/08/2024	1218
7782-49-2	Selenium	0.51	J	10/08/2024	1218
7440-22-4	Silver	0.22	J	10/08/2024	1218
7440-28-0	Thallium	0.13	J	10/08/2024	1218
7440-62-2	Vanadium	34		10/08/2024	1218
7440-66-6	Zinc	160		10/08/2024	1218

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

Comments:

EPA SAMPLE NO.

MYD5X6

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.: MYD5X5

Matrix: SOIL Lab Sample ID: P2827-03

% 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	0.39	J	10/08/2024	1221
7440-38-2	Arsenic	33		10/08/2024	1221
7440-39-3	Barium	130		10/08/2024	1221
7440-41-7	Beryllium	0.46		10/08/2024	1221
7440-43-9	Cadmium	0.80		10/08/2024	1221
7440-47-3	Chromium	16		10/08/2024	1221
7440-48-4	Cobalt	11		10/08/2024	1221
7440-50-8	Copper	33		10/08/2024	1221
7439-92-1	Lead	62		10/08/2024	1221
7440-02-0	Nickel	17		10/08/2024	1221
7782-49-2	Selenium	0.48	J	10/08/2024	1221
7440-22-4	Silver	0.29	J	10/08/2024	1221
7440-28-0	Thallium	0.11	J	10/08/2024	1221
7440-62-2	Vanadium	38		10/08/2024	1221
7440-66-6	Zinc	270		10/08/2024	1221

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

Comments:

EPA SAMPLE NO.

MYD5X7

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.: MYD5X5

Matrix: SOIL Lab Sample ID: P2827-04

% 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	0.28	J	10/08/2024	1224
7440-38-2	Arsenic	21		10/08/2024	1224
7440-39-3	Barium	150		10/08/2024	1224
7440-41-7	Beryllium	0.51		10/08/2024	1224
7440-43-9	Cadmium	0.44		10/08/2024	1224
7440-47-3	Chromium	15		10/08/2024	1224
7440-48-4	Cobalt	10		10/08/2024	1224
7440-50-8	Copper	34		10/08/2024	1224
7439-92-1	Lead	37		10/08/2024	1224
7440-02-0	Nickel	16		10/08/2024	1224
7782-49-2	Selenium	0.54	J	10/08/2024	1224
7440-22-4	Silver	0.18	J	10/08/2024	1224
7440-28-0	Thallium	0.12	J	10/08/2024	1224
7440-62-2	Vanadium	33		10/08/2024	1224
7440-66-6	Zinc	130		10/08/2024	1224

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

Comments:

EPA SAMPLE NO.

MYD5X8

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.: MYD5X5

Matrix: SOIL Lab Sample ID: P2827-05

% 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	0.12	J	10/08/2024	1227
7440-38-2	Arsenic	11		10/08/2024	1227
7440-39-3	Barium	140		10/08/2024	1227
7440-41-7	Beryllium	0.50		10/08/2024	1227
7440-43-9	Cadmium	0.085	J	10/08/2024	1227
7440-47-3	Chromium	17		10/08/2024	1227
7440-48-4	Cobalt	11		10/08/2024	1227
7440-50-8	Copper	24		10/08/2024	1227
7439-92-1	Lead	7.3		10/08/2024	1227
7440-02-0	Nickel	17		10/08/2024	1227
7782-49-2	Selenium	0.31	J	10/08/2024	1227
7440-22-4	Silver	0.035	J	10/08/2024	1227
7440-28-0	Thallium	0.099	J	10/08/2024	1227
7440-62-2	Vanadium	41		10/08/2024	1227
7440-66-6	Zinc	54		10/08/2024	1227

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

Comments:

EPA SAMPLE NO.

MYD5X9

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.: MYD5X5

Matrix: SOIL Lab Sample ID: P2827-06

% 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	0.32	J	10/08/2024	1230
7440-38-2	Arsenic	21		10/08/2024	1230
7440-39-3	Barium	110		10/08/2024	1230
7440-41-7	Beryllium	0.41		10/08/2024	1230
7440-43-9	Cadmium	0.51		10/08/2024	1230
7440-47-3	Chromium	15		10/08/2024	1230
7440-48-4	Cobalt	9.8		10/08/2024	1230
7440-50-8	Copper	45		10/08/2024	1230
7439-92-1	Lead	44		10/08/2024	1230
7440-02-0	Nickel	16		10/08/2024	1230
7782-49-2	Selenium	0.51	J	10/08/2024	1230
7440-22-4	Silver	0.23	J	10/08/2024	1230
7440-28-0	Thallium	0.098	J	10/08/2024	1230
7440-62-2	Vanadium	30		10/08/2024	1230
7440-66-6	Zinc	150		10/08/2024	1230

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

Comments:

EPA SAMPLE NO.

MYD5Y0

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.: MYD5X5

Matrix: SOIL Lab Sample ID: P2827-07

% 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	0.24	J	10/08/2024	1233
7440-38-2	Arsenic	17		10/08/2024	1233
7440-39-3	Barium	110		10/08/2024	1233
7440-41-7	Beryllium	0.38		10/08/2024	1233
7440-43-9	Cadmium	0.22	J	10/08/2024	1233
7440-47-3	Chromium	13		10/08/2024	1233
7440-48-4	Cobalt	9.3		10/08/2024	1233
7440-50-8	Copper	29		10/08/2024	1233
7439-92-1	Lead	17		10/08/2024	1233
7440-02-0	Nickel	14		10/08/2024	1233
7782-49-2	Selenium	0.44	J	10/08/2024	1233
7440-22-4	Silver	0.078	J	10/08/2024	1233
7440-28-0	Thallium	0.096	J	10/08/2024	1233
7440-62-2	Vanadium	33		10/08/2024	1233
7440-66-6	Zinc	70		10/08/2024	1233

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

Comments:

EPA SAMPLE NO.

MYD5Y1

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.: MYD5X5

Matrix: SOIL Lab Sample ID: P2827-08

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

Analytical Method: ICP_MS

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

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7440-36-0	Antimony	0.34	J	10/08/2024	1236
7440-38-2	Arsenic	29		10/08/2024	1236
7440-39-3	Barium	130		10/08/2024	1236
7440-41-7	Beryllium	0.49		10/08/2024	1236
7440-43-9	Cadmium	0.58		10/08/2024	1236
7440-47-3	Chromium	17		10/08/2024	1236
7440-48-4	Cobalt	12		10/08/2024	1236
7440-50-8	Copper	52		10/08/2024	1236
7439-92-1	Lead	47		10/08/2024	1236
7440-02-0	Nickel	18		10/08/2024	1236
7782-49-2	Selenium	0.69	J	10/08/2024	1236
7440-22-4	Silver	0.25	J	10/08/2024	1236
7440-28-0	Thallium	0.11	J	10/08/2024	1236
7440-62-2	Vanadium	34		10/08/2024	1236
7440-66-6	Zinc	170		10/08/2024	1236

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

Comments:

EPA SAMPLE NO.

MYD5Y2

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.: MYD5X5

Matrix: SOIL Lab Sample ID: P2827-09

% Solids: 97.1 Date Received: 06/10/2024

Analytical Method: ICP_MS

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

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7440-36-0	Antimony	0.29	J	10/08/2024	1239
7440-38-2	Arsenic	19		10/08/2024	1239
7440-39-3	Barium	140		10/08/2024	1239
7440-41-7	Beryllium	0.50		10/08/2024	1239
7440-43-9	Cadmium	0.40		10/08/2024	1239
7440-47-3	Chromium	15		10/08/2024	1239
7440-48-4	Cobalt	11		10/08/2024	1239
7440-50-8	Copper	32		10/08/2024	1239
7439-92-1	Lead	47		10/08/2024	1239
7440-02-0	Nickel	18		10/08/2024	1239
7782-49-2	Selenium	0.47	J	10/08/2024	1239
7440-22-4	Silver	0.15	J	10/08/2024	1239
7440-28-0	Thallium	0.11	J	10/08/2024	1239
7440-62-2	Vanadium	35		10/08/2024	1239
7440-66-6	Zinc	140		10/08/2024	1239

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

Comments:

EPA SAMPLE NO.

MYD5Y3

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.: MYD5X5

Matrix: SOIL Lab Sample ID: P2827-10

% Solids: 95.4 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	0.13	J	10/08/2024	1242
7440-38-2	Arsenic	12		10/08/2024	1242
7440-39-3	Barium	210	D	10/18/2024	1423
7440-41-7	Beryllium	0.69		10/08/2024	1242
7440-43-9	Cadmium	0.13	J	10/08/2024	1242
7440-47-3	Chromium	20		10/08/2024	1242
7440-48-4	Cobalt	14	D	10/18/2024	1423
7440-50-8	Copper	32		10/08/2024	1242
7439-92-1	Lead	17		10/08/2024	1242
7440-02-0	Nickel	20	D	10/18/2024	1423
7782-49-2	Selenium	0.50	J	10/08/2024	1242
7440-22-4	Silver	0.066	J	10/08/2024	1242
7440-28-0	Thallium	0.11	J	10/08/2024	1242
7440-62-2	Vanadium	46	D	10/18/2024	1423
7440-66-6	Zinc	68		10/08/2024	1242

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

Comments:

EPA SAMPLE NO.

MYD5Y4

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.: MYD5X5

Matrix: SOIL Lab Sample ID: P2827-13

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

Analytical Method: ICP_MS

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

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7440-36-0	Antimony	0.28	J	10/08/2024	1258
7440-38-2	Arsenic	16		10/08/2024	1258
7440-39-3	Barium	82		10/08/2024	1258
7440-41-7	Beryllium	0.32	J	10/08/2024	1258
7440-43-9	Cadmium	0.24	J	10/08/2024	1258
7440-47-3	Chromium	11		10/08/2024	1258
7440-48-4	Cobalt	8.4		10/08/2024	1258
7440-50-8	Copper	26		10/08/2024	1258
7439-92-1	Lead	21		10/08/2024	1258
7440-02-0	Nickel	13		10/08/2024	1258
7782-49-2	Selenium	1.9	U	10/08/2024	1258
7440-22-4	Silver	0.078	J	10/08/2024	1258
7440-28-0	Thallium	0.081	J	10/08/2024	1258
7440-62-2	Vanadium	28		10/08/2024	1258
7440-66-6	Zinc	78		10/08/2024	1258

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

Comments:

EPA SAMPLE NO.

MYD5Y5

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.: MYD5X5

Matrix: SOIL Lab Sample ID: P2827-14

% 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	0.17	J	10/08/2024	1301
7440-38-2	Arsenic	12		10/08/2024	1301
7440-39-3	Barium	180		10/08/2024	1301
7440-41-7	Beryllium	0.44		10/08/2024	1301
7440-43-9	Cadmium	0.10	J	10/08/2024	1301
7440-47-3	Chromium	15		10/08/2024	1301
7440-48-4	Cobalt	11		10/08/2024	1301
7440-50-8	Copper	24		10/08/2024	1301
7439-92-1	Lead	8.5		10/08/2024	1301
7440-02-0	Nickel	18		10/08/2024	1301
7782-49-2	Selenium	0.34	J	10/08/2024	1301
7440-22-4	Silver	0.032	J	10/08/2024	1301
7440-28-0	Thallium	0.088	J	10/08/2024	1301
7440-62-2	Vanadium	34		10/08/2024	1301
7440-66-6	Zinc	58		10/08/2024	1301

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

Comments:

EPA SAMPLE NO.

MYD5Y6

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.: MYD5X5

Matrix: SOIL Lab Sample ID: P2827-15

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

Analytical Method: ICP_MS

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

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7440-36-0	Antimony	0.27	J	10/08/2024	1304
7440-38-2	Arsenic	16		10/08/2024	1304
7440-39-3	Barium	84		10/08/2024	1304
7440-41-7	Beryllium	0.31	J	10/08/2024	1304
7440-43-9	Cadmium	0.19	J	10/08/2024	1304
7440-47-3	Chromium	9.8		10/08/2024	1304
7440-48-4	Cobalt	8.1		10/08/2024	1304
7440-50-8	Copper	26		10/08/2024	1304
7439-92-1	Lead	19		10/08/2024	1304
7440-02-0	Nickel	12		10/08/2024	1304
7782-49-2	Selenium	2.1	U	10/08/2024	1304
7440-22-4	Silver	0.066	J	10/08/2024	1304
7440-28-0	Thallium	0.070	J	10/08/2024	1304
7440-62-2	Vanadium	28		10/08/2024	1304
7440-66-6	Zinc	73		10/08/2024	1304

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

Comments:

EPA SAMPLE NO.

MYD5Y7

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.: MYD5X5

Matrix: SOIL Lab Sample ID: P2827-16

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

Analytical Method: ICP_MS

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

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7440-36-0	Antimony	0.24	J	10/08/2024	1307
7440-38-2	Arsenic	17		10/08/2024	1307
7440-39-3	Barium	90		10/08/2024	1307
7440-41-7	Beryllium	0.33	J	10/08/2024	1307
7440-43-9	Cadmium	0.21	J	10/08/2024	1307
7440-47-3	Chromium	12		10/08/2024	1307
7440-48-4	Cobalt	8.5		10/08/2024	1307
7440-50-8	Copper	27		10/08/2024	1307
7439-92-1	Lead	19		10/08/2024	1307
7440-02-0	Nickel	13		10/08/2024	1307
7782-49-2	Selenium	0.33	J	10/08/2024	1307
7440-22-4	Silver	0.073	J	10/08/2024	1307
7440-28-0	Thallium	0.073	J	10/08/2024	1307
7440-62-2	Vanadium	30		10/08/2024	1307
7440-66-6	Zinc	70		10/08/2024	1307

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

Comments:

EPA SAMPLE NO.

MYD5Y8

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.: MYD5X5

Matrix: SOIL Lab Sample ID: P2827-17

% Solids: 99.4 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	0.18	J	10/08/2024	1310
7440-38-2	Arsenic	11		10/08/2024	1310
7440-39-3	Barium	78		10/08/2024	1310
7440-41-7	Beryllium	0.28	J	10/08/2024	1310
7440-43-9	Cadmium	0.13	J	10/08/2024	1310
7440-47-3	Chromium	8.9		10/08/2024	1310
7440-48-4	Cobalt	7.2		10/08/2024	1310
7440-50-8	Copper	20		10/08/2024	1310
7439-92-1	Lead	11		10/08/2024	1310
7440-02-0	Nickel	11		10/08/2024	1310
7782-49-2	Selenium	2.0	U	10/08/2024	1310
7440-22-4	Silver	0.040	J	10/08/2024	1310
7440-28-0	Thallium	0.067	J	10/08/2024	1310
7440-62-2	Vanadium	25		10/08/2024	1310
7440-66-6	Zinc	54		10/08/2024	1310

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

Comments:

EPA SAMPLE NO.

MYD5Y9

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.: MYD5X5

Matrix: SOIL Lab Sample ID: P2827-18

% Solids: 98.9 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	0.17	J	10/08/2024	1314
7440-38-2	Arsenic	11		10/08/2024	1314
7440-39-3	Barium	73		10/08/2024	1314
7440-41-7	Beryllium	0.26	J	10/08/2024	1314
7440-43-9	Cadmium	0.20	J	10/08/2024	1314
7440-47-3	Chromium	13		10/08/2024	1314
7440-48-4	Cobalt	7.0		10/08/2024	1314
7440-50-8	Copper	23		10/08/2024	1314
7439-92-1	Lead	16		10/08/2024	1314
7440-02-0	Nickel	13		10/08/2024	1314
7782-49-2	Selenium	1.8	U	10/08/2024	1314
7440-22-4	Silver	0.055	J	10/08/2024	1314
7440-28-0	Thallium	0.062	J	10/08/2024	1314
7440-62-2	Vanadium	22		10/08/2024	1314
7440-66-6	Zinc	70		10/08/2024	1314

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

Comments:

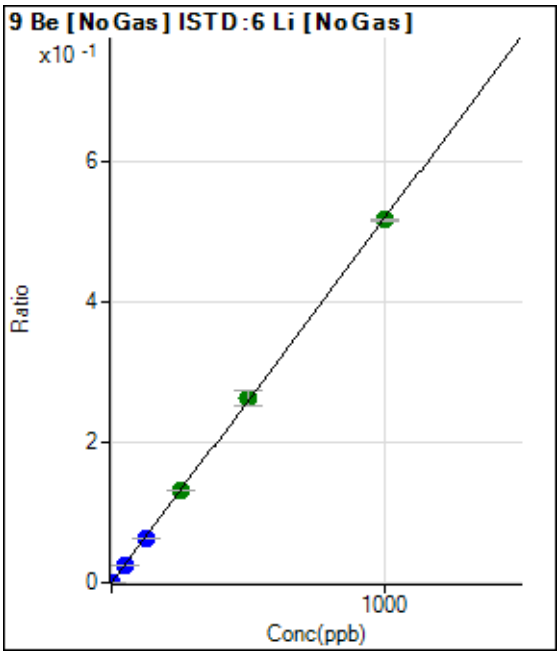
Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

Calibration for 040AREF.d

Batch Folder: D:\Agilent\ICPMH\1\DATA\P100824-MS.b\
Analysis File: P100824-MS.batch.bin
DA Date-Time: 2024-10-11 02:40:12
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	004CALB.d	S00	2024-10-08 10:32:15
2	005CALS.d	S02	2024-10-08 10:35:33
3	006CALS.d	S03	2024-10-08 10:38:54
4	007CALS.d	S04	2024-10-08 10:41:55
5	008CALS.d	S05	2024-10-08 10:44:59
6	009CALS.d	S06	2024-10-08 10:48:01
7	010CALS.d	S07	2024-10-08 10:51:05
8	011CALS.d	S08	2024-10-08 10:54:07

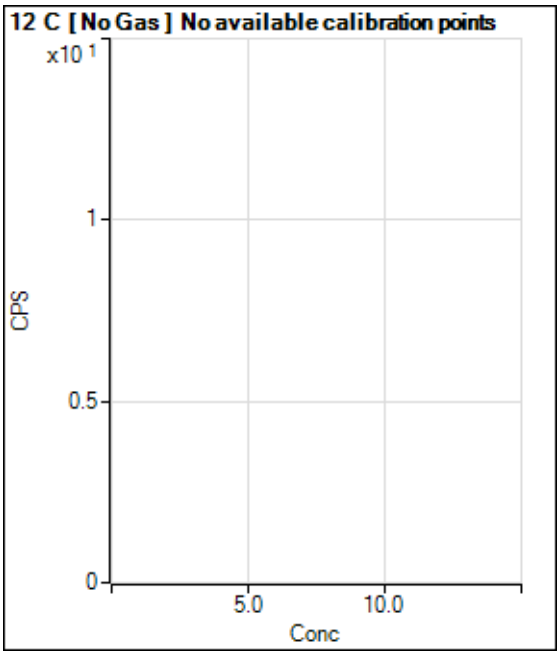
Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	162.06	0.0000	P	6.5
2	☐	1.000	1.006	7161.27	0.0005	P	8.2
3	☐	50.000	49.425	358462.56	0.0256	P	0.8
4	☐	125.000	121.635	895572.03	0.0630	P	1.5
5	☐	250.000	254.912	1848212.21	0.1320	A	0.8
6	☐	500.000	506.342	3602553.49	0.2622	A	8.6
7	☐	1000.000	996.050	7137107.66	0.5158	A	0.7
8	☐			1731.97	0.0002	P	10.3

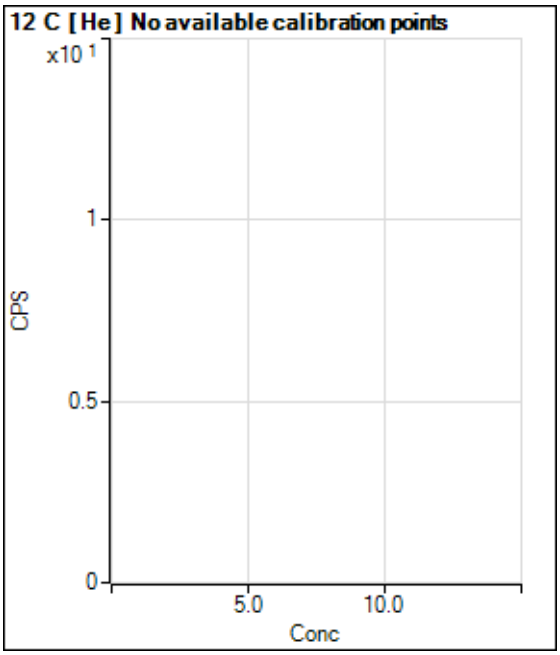
y = 5.1784E-004 * x + 1.1584E-005
R = 0.9999
DL = 0.004389
BEC = 0.02237

Weight: <None>
Min Conc: 0

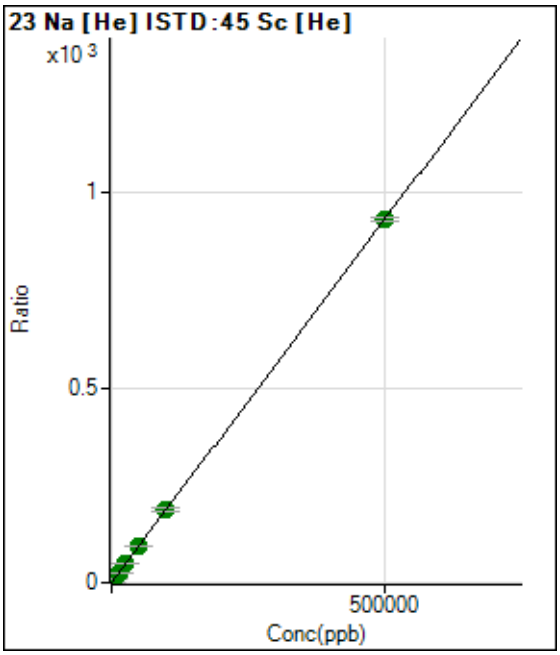


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			4119603.72		A	0.7
2	☐			4282358.41		A	1.2
3	☐			4276304.24		A	0.1
4	☐			4395322.47		A	0.7
5	☐			4544223.34		A	1.2
6	☐			4915784.44		A	1.8
7	☐			5654495.96		A	4.9
8	☐			4584408.23		A	1.1

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On:10/19/2024 6:45:43 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			38735.44		P	0.5
2	☐			40681.64		P	0.7
3	☐			40708.38		P	0.8
4	☐			42922.49		P	1.1
5	☐			44274.14		P	0.8
6	☐			48820.68		P	0.8
7	☐			57259.73		P	1.0
8	☐			56403.17		P	1.4

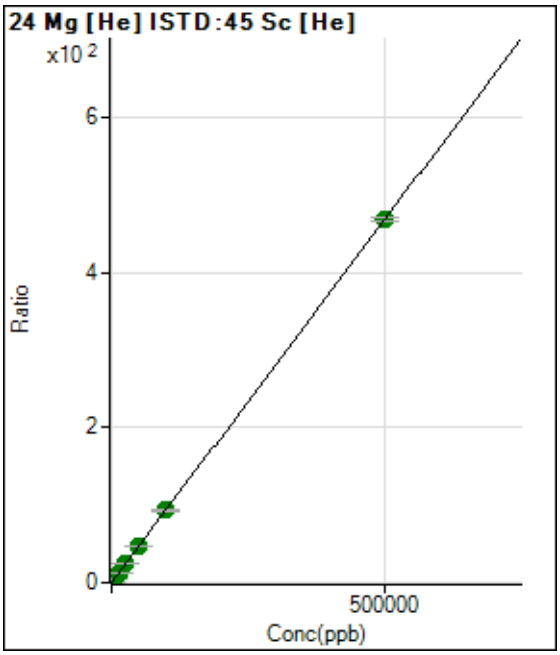


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	23902.98	0.0446	P	1.2
2	☐	500.000	493.385	519218.77	0.9630	P	0.6
3	☐	5000.000	5180.292	5313229.37	9.6869	A	0.6
4	☐	12500.000	12888.770	13320438.97	24.0350	A	1.2
5	☐	25000.000	25613.034	26847139.32	47.7192	A	0.5
6	☐	50000.000	51276.682	53386906.43	95.4880	A	1.0
7	☐	100000.00	100502.82	108579115.05	187.1147	A	4.7
8	☐	500000.00	499729.60	486341770.53	930.2123	A	1.2

y = 0.0019 * x + 0.0446
R = 1.0000
DL = 0.8358
BEC = 23.96

Weight: <None>
Min Conc: 0

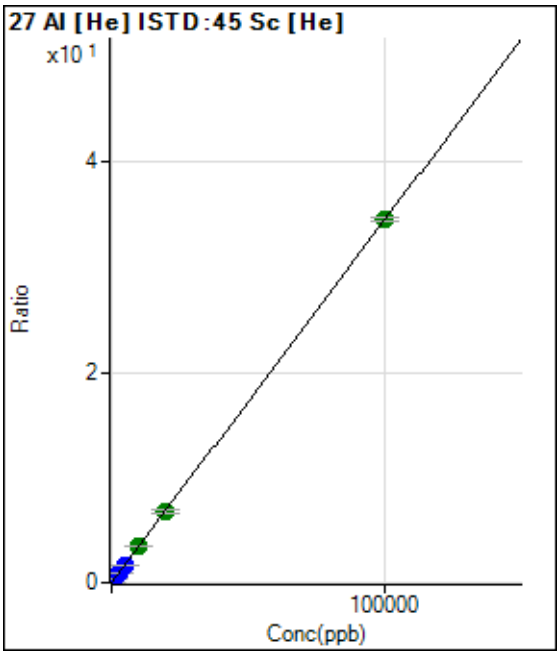
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	852.26	0.0016	P	7.2
2	☐	500.000	520.222	263242.42	0.4882	P	0.4
3	☐	5000.000	5195.192	2666363.10	4.8612	A	1.2
4	☐	12500.000	12759.880	6615805.11	11.9374	A	0.4
5	☐	25000.000	25296.873	13313960.50	23.6646	A	0.2
6	☐	50000.000	50605.705	26466572.11	47.3389	A	1.3
7	☐	100000.00	99417.649	53965627.53	92.9982	A	4.4
8	☐	500000.00	500032.58	244556325.24	467.7390	A	0.9

y = 9.3541E-004 * x + 0.0016
R = 1.0000
DL = 0.3652
BEC = 1.7

Weight: <None>
Min Conc: 0

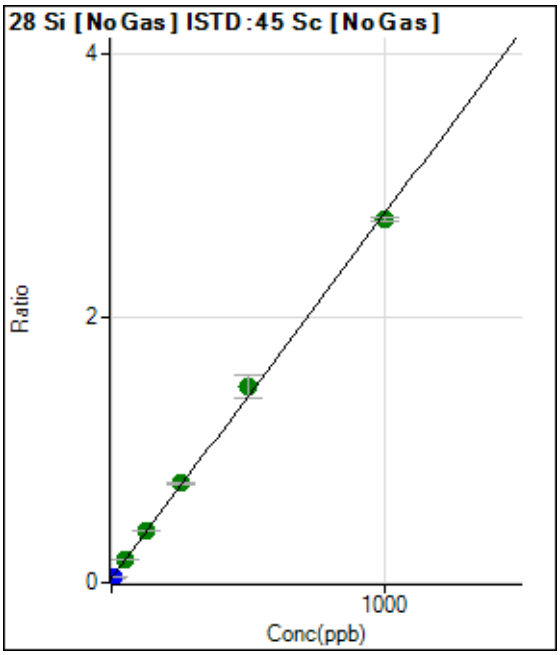


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	225.56	0.0004	P	17.8
2	☐	20.000	20.451	4030.60	0.0075	P	5.3
3	☐	1000.000	995.869	188644.10	0.3439	P	0.7
4	☐	2500.000	2450.890	468751.08	0.8458	P	0.8
5	☐	5000.000	4809.429	933560.45	1.6593	P	0.0
6	☐	10000.000	9943.955	1917891.10	3.4304	A	1.3
7	☐	20000.000	19644.788	3932832.61	6.7765	A	3.9
8	☐	100000.00	100087.44	18050335.70	34.5236	A	1.1

y = 3.4493E-004 * x + 4.2098E-004
R = 1.0000
DL = 0.6527
BEC = 1.22

Weight: <None>
Min Conc: 0

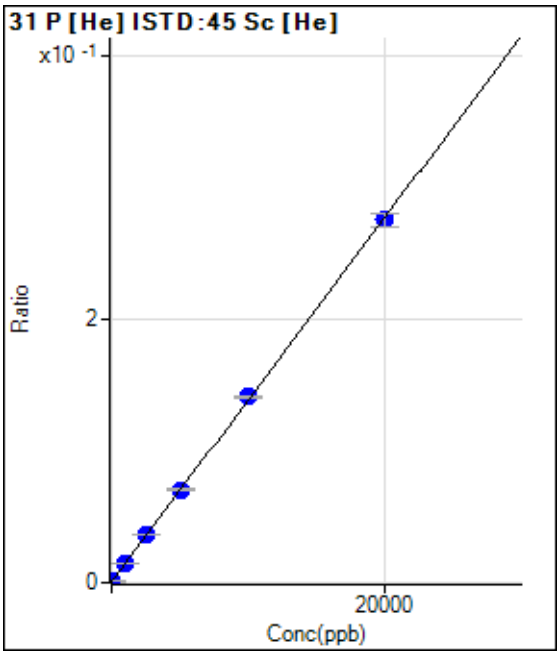
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On:10/19/2024 6:45:43 AM
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	678221.30	0.0320	P	1.9
2	☐	10.000	2.933	823372.55	0.0401	P	8.6
3	☐	50.000	53.841	3750945.91	0.1803	A	0.4
4	☐	125.000	132.396	8453662.31	0.3968	A	0.5
5	☐	250.000	260.219	16147728.09	0.7490	A	0.7
6	☐	500.000	526.741	31195868.43	1.4834	A	11.4
7	☐	1000.000	983.029	60862590.20	2.7407	A	1.1
8	☐			1011232.48	0.0551	A	3.8

y = 0.0028 * x + 0.0320
R = 0.9993
DL = 0.6617
BEC = 11.61

Weight: <None>
Min Conc: 0

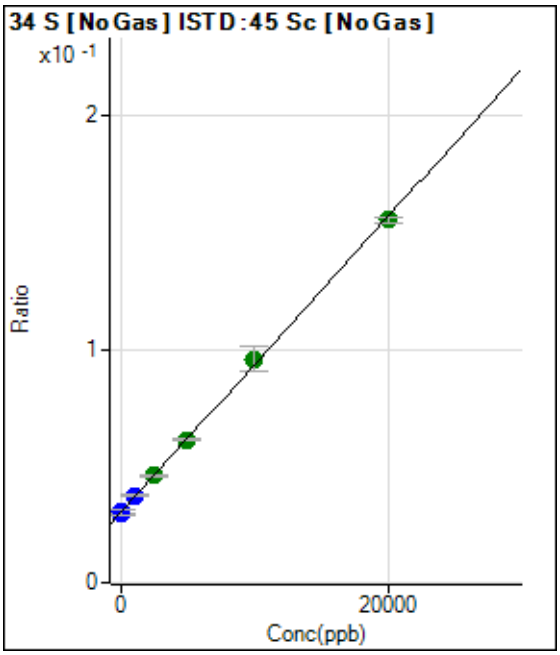


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-18.930	185.56	0.0003	P	7.9
2	☐	0.000	18.930	468.90	0.0009	P	14.7
3	☐	1000.000	1012.488	8013.40	0.0146	P	2.5
4	☐	2500.000	2570.154	20035.03	0.0362	P	0.4
5	☐	5000.000	5057.937	39693.12	0.0706	P	1.7
6	☐	10000.000	10163.544	78920.72	0.1412	P	1.1
7	☐	20000.000	19894.350	160037.96	0.2757	P	3.5
8	☐			223.34	0.0004	P	10.2

y = 1.3829E-005 * x + 6.0789E-004
R = 0.9999
DL = 16.81
BEC = 43.96

Weight: <None>
Min Conc: 0

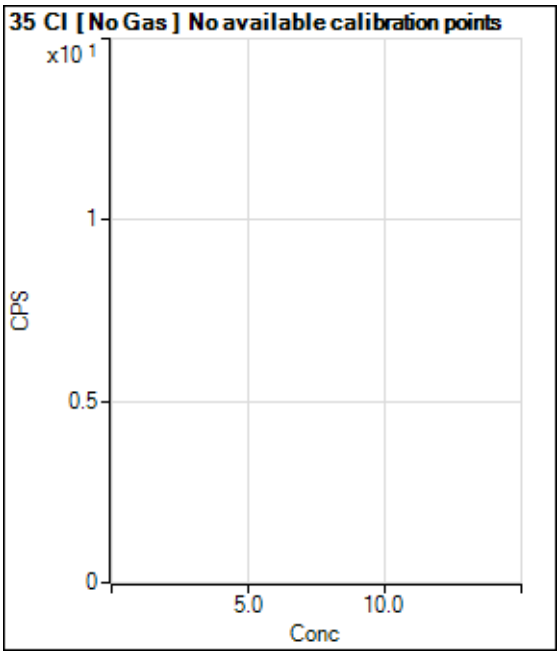
Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-48.918	629605.55	0.0297	P	2.0
2	☐	0.000	48.918	622748.60	0.0303	P	8.9
3	☐	1000.000	1147.707	774908.16	0.0373	P	1.2
4	☐	2500.000	2486.003	974129.42	0.0457	A	2.1
5	☐	5000.000	4949.481	1321726.14	0.0613	A	0.9
6	☐	10000.000	10398.467	2014045.39	0.0958	A	11.7
7	☐	20000.000	19807.761	3449175.06	0.1553	A	1.3
8	☐			576260.82	0.0314	P	1.0

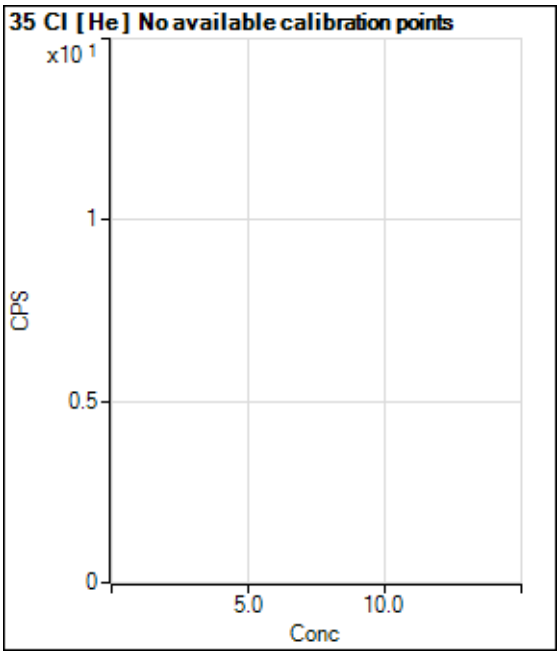
y = 6.3266E-006 * x + 0.0300
R = 0.9997
DL = 778.4
BEC = 4741

Weight: <None>
Min Conc: 0

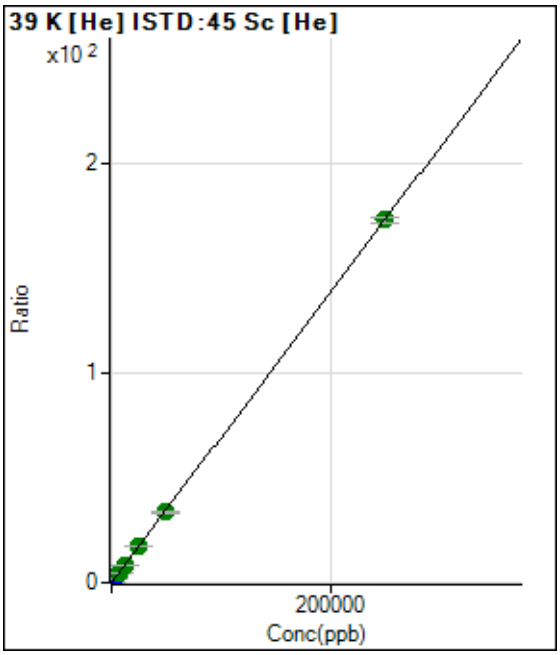


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			192878.88		P	0.4
2	☐			204352.95		P	0.1
3	☐			202191.41		P	0.5
4	☐			206790.33		P	0.3
5	☐			212202.00		P	0.6
6	☐			230252.33		P	0.4
7	☐			269446.07		P	2.1
8	☐			193388.93		P	0.2

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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			907.82		P	8.8
2	☐			1037.83		P	4.2
3	☐			1020.05		P	6.3
4	☐			1004.49		P	6.3
5	☐			1044.49		P	4.9
6	☐			1203.40		P	2.6
7	☐			1383.41		P	8.0
8	☐			1053.38		P	4.4

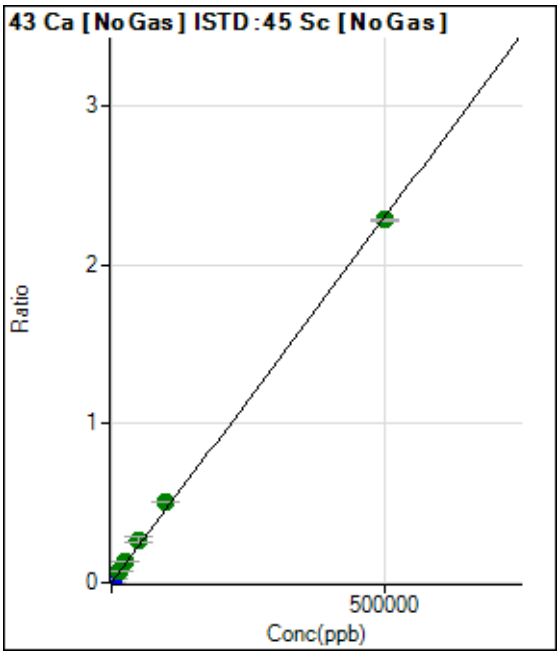


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	16449.47	0.0307	P	2.4
2	☐	500.000	462.687	188727.98	0.3500	P	0.9
3	☐	2500.000	2373.350	915272.43	1.6687	P	0.3
4	☐	6250.000	6194.637	2386381.23	4.3060	A	1.2
5	☐	12500.000	12182.006	4747369.34	8.4383	A	0.8
6	☐	25000.000	24567.305	9497207.36	16.9862	A	0.3
7	☐	50000.000	48567.764	19468466.38	33.5504	A	4.5
8	☐	250000.00	250348.34	90352220.88	172.8121	A	1.7

y = 6.9016E-004 * x + 0.0307
R = 1.0000
DL = 3.258
BEC = 44.47

Weight: <None>
Min Conc: 0

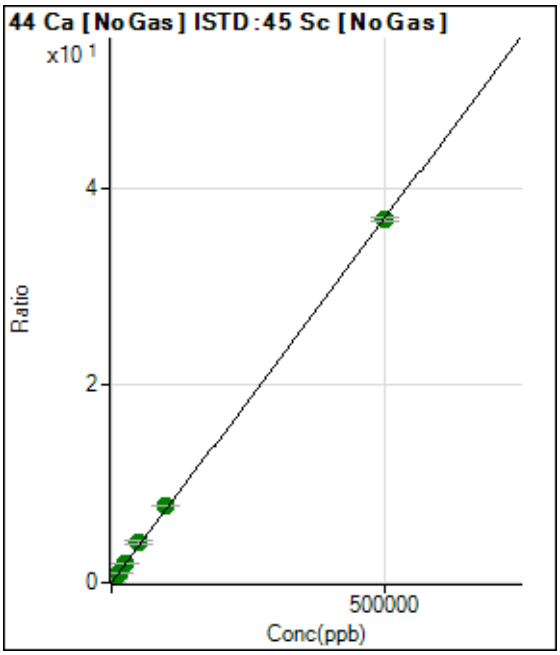
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	881.15	0.0000	P	5.6
2	☐	500.000	475.074	45749.26	0.0022	P	8.5
3	☐	5000.000	5493.611	526237.40	0.0253	P	0.9
4	☐	12500.000	14630.270	1433987.08	0.0673	A	1.2
5	☐	25000.000	28757.140	2851436.90	0.1323	A	1.1
6	☐	50000.000	58982.738	5705862.97	0.2712	A	10.9
7	☐	100000.00	111119.48	11346927.05	0.5110	A	1.0
8	☐	500000.00	496631.80	41887657.99	2.2835	A	0.8

y = 4.5979E-006 * x + 4.1544E-005
R = 0.9996
DL = 1.522
BEC = 9.035

Weight: <None>
Min Conc: 0

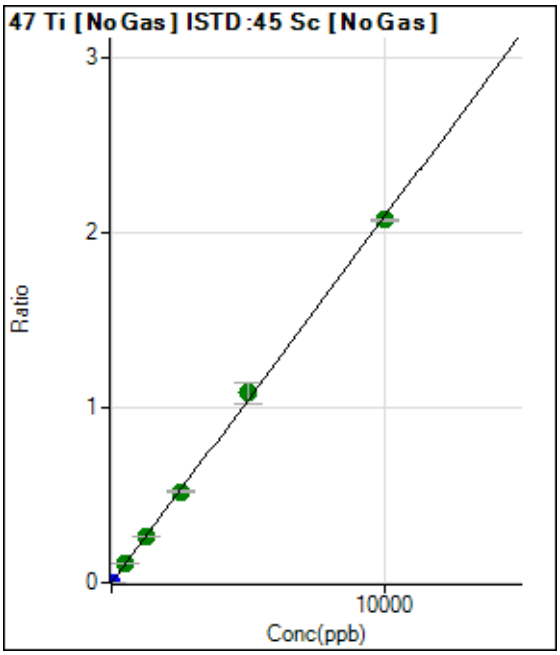


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	18152.65	0.0009	P	1.6
2	☐	500.000	477.708	741453.71	0.0361	P	8.6
3	☐	5000.000	5482.037	8424836.75	0.4050	A	0.4
4	☐	12500.000	13566.378	21327226.77	1.0011	A	0.8
5	☐	25000.000	26893.043	42763477.97	1.9836	A	0.3
6	☐	50000.000	55496.736	86078880.94	4.0925	A	11.1
7	☐	100000.00	105586.16	172904137.42	7.7854	A	0.4
8	☐	500000.00	498206.98	673809612.18	36.7322	A	1.0

y = 7.3727E-005 * x + 8.5564E-004
R = 0.9999
DL = 0.5738
BEC = 11.61

Weight: <None>
Min Conc: 0

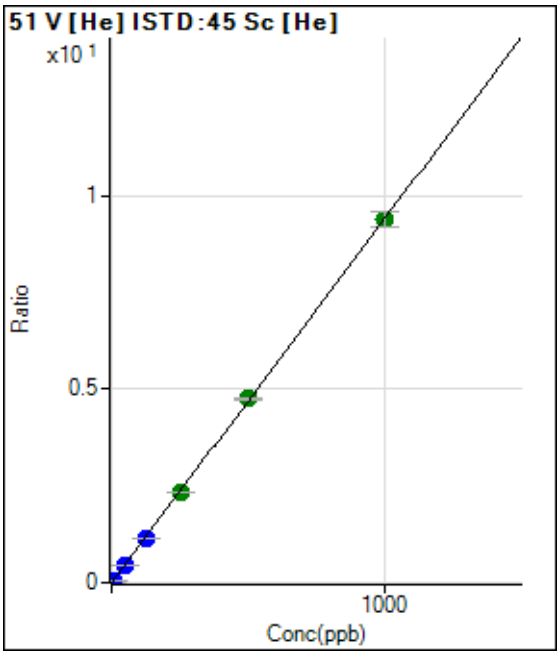
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	281.12	0.0000	P	5.0
2	☐	5.000	4.618	20090.83	0.0010	P	10.4
3	☐	500.000	509.978	2217244.10	0.1066	A	1.6
4	☐	1250.000	1263.255	5625646.44	0.2641	A	0.7
5	☐	2500.000	2492.284	11230617.75	0.5209	A	0.9
6	☐	5000.000	5179.304	22760481.61	1.0826	A	11.8
7	☐	10000.000	9910.121	46006202.09	2.0714	A	0.8
8	☐			14156.00	0.0008	P	2.5

y = 2.0902E-004 * x + 1.3257E-005
R = 0.9998
DL = 0.009471
BEC = 0.06342

Weight: <None>
Min Conc: 0

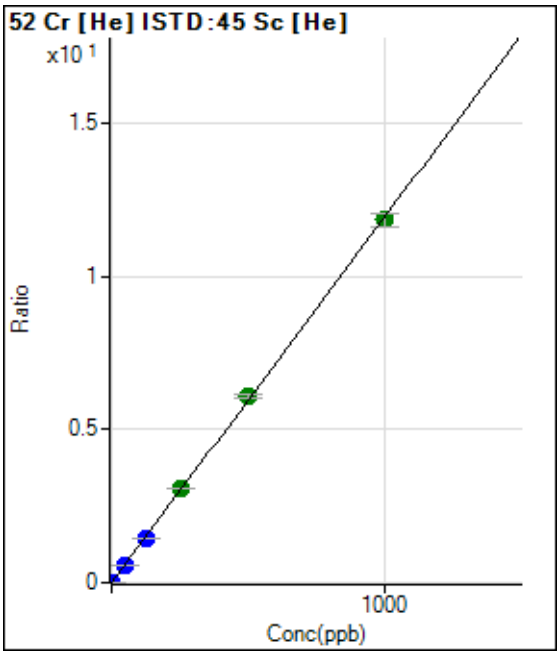


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	16.67	0.0000	P	20.3
2	☐	5.000	4.835	24505.54	0.0454	P	1.9
3	☐	50.000	48.644	250645.67	0.4570	P	0.9
4	☐	125.000	121.996	635127.30	1.1460	P	0.3
5	☐	250.000	249.746	1319884.03	2.3460	A	0.5
6	☐	500.000	505.659	2655781.70	4.7500	A	0.5
7	☐	1000.000	997.678	5439217.14	9.3718	A	4.2
8	☐			1272.29	0.0024	P	7.8

y = 0.0094 * x + 3.1105E-005
R = 1.0000
DL = 0.002013
BEC = 0.003311

Weight: <None>
Min Conc: 0

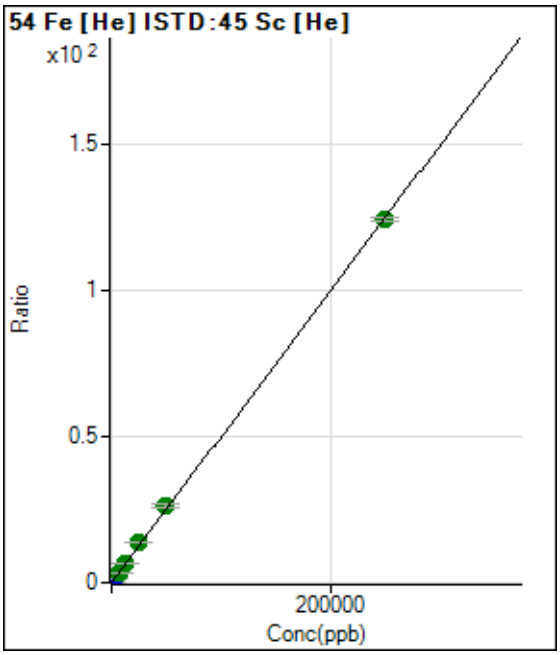
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1027.82	0.0019	P	1.8
2	☐	2.000	1.928	13437.52	0.0249	P	1.6
3	☐	50.000	48.827	320621.91	0.5845	P	0.5
4	☐	125.000	122.238	809450.61	1.4605	P	0.2
5	☐	250.000	257.474	1729529.61	3.0742	A	1.5
6	☐	500.000	510.639	3407689.36	6.0951	A	1.5
7	☐	1000.000	993.216	6879116.15	11.8535	A	4.0
8	☐			21617.23	0.0413	P	1.2

y = 0.0119 * x + 0.0019
R = 0.9999
DL = 0.008811
BEC = 0.1607

Weight: <None>
Min Conc: 0

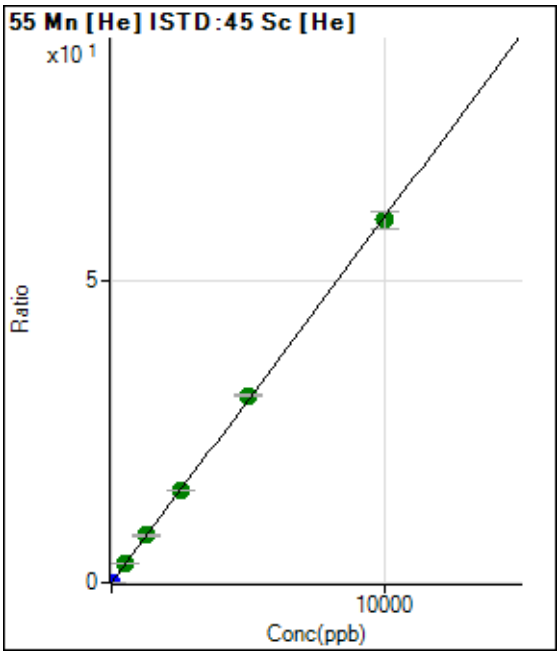


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1030.05	0.0019	P	1.3
2	☐	50.000	53.342	15340.56	0.0285	P	0.5
3	☐	2500.000	2687.296	734115.42	1.3384	P	0.3
4	☐	6250.000	7021.256	1936338.67	3.4938	A	0.3
5	☐	12500.000	13628.572	3814423.80	6.7799	A	0.4
6	☐	25000.000	27144.386	7548954.96	13.5018	A	0.5
7	☐	50000.000	52733.479	15222381.72	26.2282	A	3.9
8	☐	250000.00	249161.28	64791168.48	123.9189	A	1.0

y = 4.9734E-004 * x + 0.0019
R = 0.9999
DL = 0.1504
BEC = 3.864

Weight: <None>
Min Conc: 0

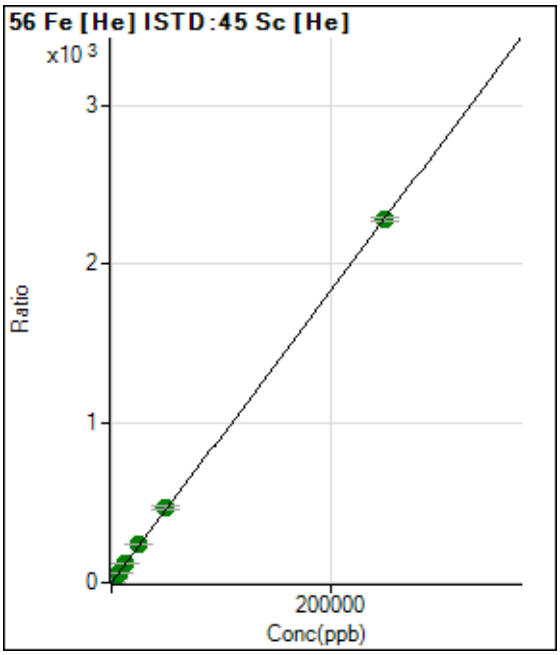
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	457.79	0.0009	P	10.0
2	☐	1.000	1.129	4146.20	0.0077	P	4.2
3	☐	500.000	519.578	1726164.78	3.1470	A	0.9
4	☐	1250.000	1292.621	4338455.11	7.8280	A	0.6
5	☐	2500.000	2535.299	8637507.93	15.3527	A	0.5
6	☐	5000.000	5113.118	17310953.07	30.9621	A	0.9
7	☐	10000.000	9928.310	34884418.09	60.1193	A	4.6
8	☐			16135.87	0.0309	P	1.0

y = 0.0061 * x + 8.5411E-004
R = 0.9999
DL = 0.04252
BEC = 0.1411

Weight: <None>
Min Conc: 0

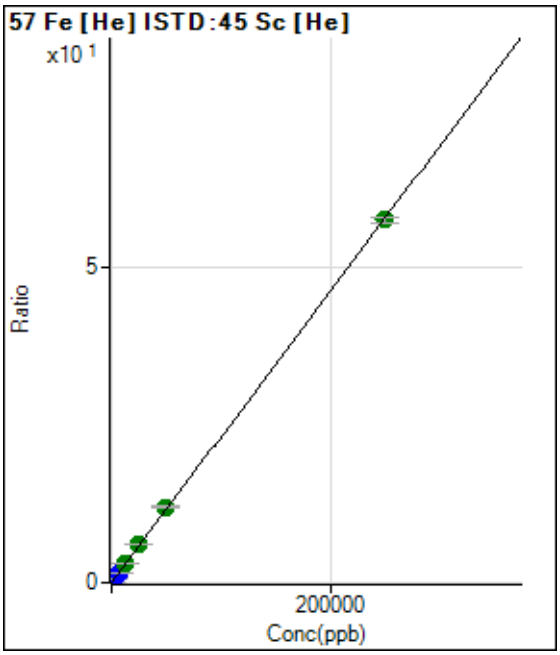


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	11624.81	0.0217	P	2.3
2	☐	50.000	52.270	269109.91	0.4991	P	0.8
3	☐	2500.000	2733.171	13704221.19	24.9850	A	0.3
4	☐	6250.000	6785.046	34358039.21	61.9926	A	0.7
5	☐	12500.000	13395.373	68844222.86	122.3678	A	0.7
6	☐	25000.000	26675.239	136233002.41	243.6589	A	0.1
7	☐	50000.000	51791.457	274491669.24	473.0568	A	4.7
8	☐	250000.00	249413.70	1191046720.0	2,278.031	A	1.1

y = 0.0091 * x + 0.0217
R = 1.0000
DL = 0.1637
BEC = 2.375

Weight: <None>
Min Conc: 0

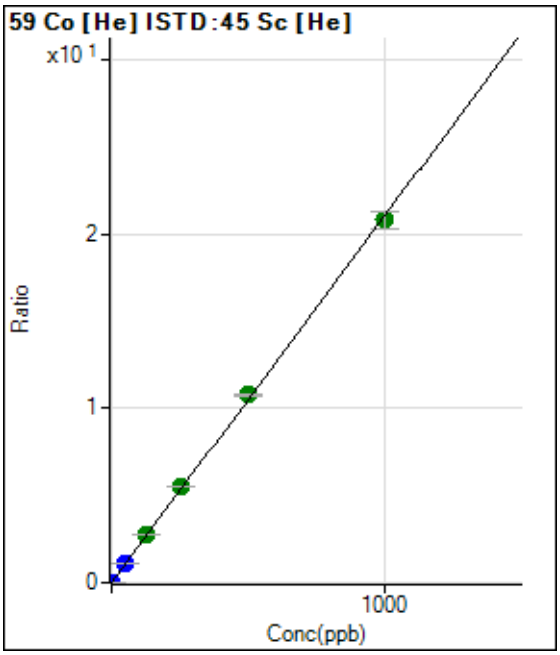
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	378.90	0.0007	P	15.3
2	☐	50.000	53.814	7075.15	0.0131	P	3.4
3	☐	2500.000	2637.280	334097.60	0.6091	P	0.5
4	☐	6250.000	6578.908	841538.54	1.5184	P	0.3
5	☐	12500.000	13561.738	1760538.67	3.1293	A	1.6
6	☐	25000.000	26723.323	3447322.97	6.1656	A	0.6
7	☐	50000.000	51916.430	6952460.94	11.9775	A	3.3
8	☐	250000.00	249381.69	30078438.72	57.5313	A	1.5

y = 2.3069E-004 * x + 7.0711E-004
R = 1.0000
DL = 1.406
BEC = 3.065

Weight: <None>
Min Conc: 0

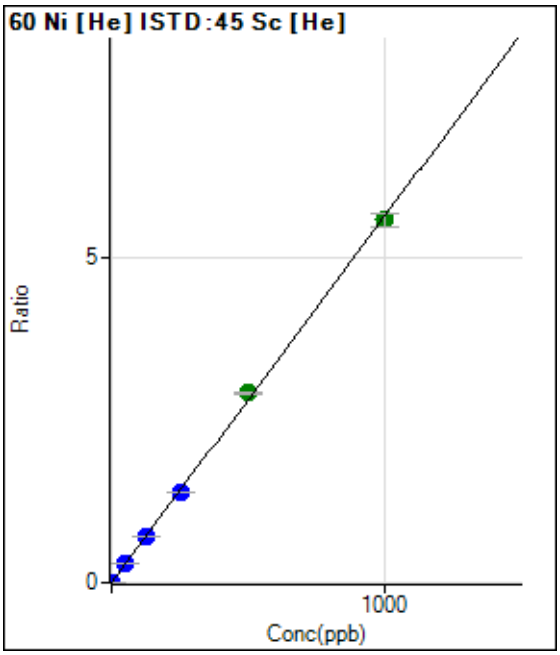


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	172.22	0.0003	P	28.0
2	☐	1.000	1.051	12088.55	0.0224	P	2.0
3	☐	50.000	51.041	588912.36	1.0737	P	0.5
4	☐	125.000	132.094	1539677.16	2.7782	A	0.9
5	☐	250.000	261.667	3096080.93	5.5031	A	0.7
6	☐	500.000	512.448	6025392.41	10.7769	A	0.4
7	☐	1000.000	989.920	12079835.23	20.8179	A	4.5
8	☐			23989.16	0.0459	P	1.7

y = 0.0210 * x + 3.2111E-004
R = 0.9998
DL = 0.01284
BEC = 0.01527

Weight: <None>
Min Conc: 0

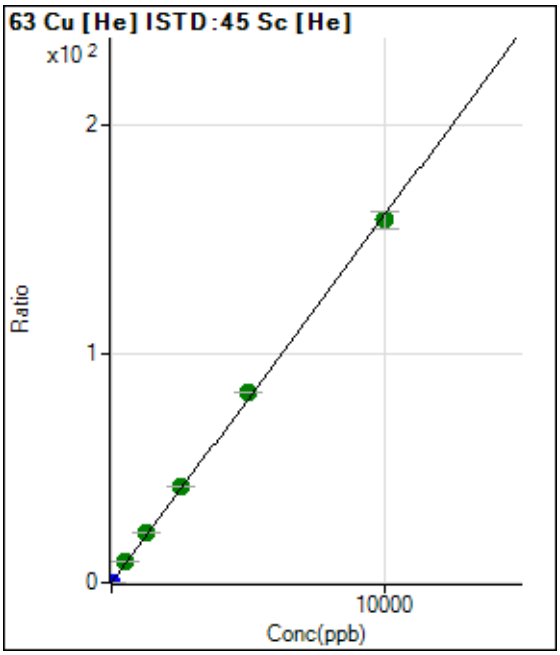
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	545.57	0.0010	P	13.4
2	☐	1.000	0.993	3570.49	0.0066	P	3.4
3	☐	50.000	51.345	159410.56	0.2906	P	0.3
4	☐	125.000	126.330	395484.91	0.7136	P	0.4
5	☐	250.000	247.122	784790.26	1.3949	P	0.5
6	☐	500.000	519.374	1638516.23	2.9306	A	1.0
7	☐	1000.000	990.799	3243898.35	5.5896	A	4.0
8	☐			11495.84	0.0220	P	0.7

y = 0.0056 * x + 0.0010
R = 0.9997
DL = 0.07241
BEC = 0.1805

Weight: <None>
Min Conc: 0

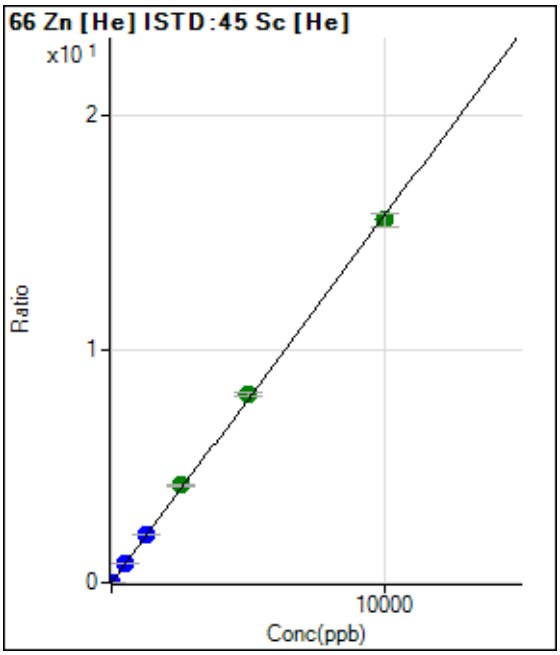


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	4928.67	0.0092	P	4.1
2	☐	2.000	2.079	22981.98	0.0426	P	1.4
3	☐	500.000	553.729	4887644.06	8.9109	A	1.3
4	☐	1250.000	1353.355	12062857.46	21.7655	A	0.1
5	☐	2500.000	2626.755	23762467.42	42.2366	A	0.9
6	☐	5000.000	5164.847	46428380.98	83.0386	A	0.3
7	☐	10000.000	9870.282	92073401.96	158.6825	A	4.8
8	☐			28913.97	0.0553	P	0.2

y = 0.0161 * x + 0.0092
R = 0.9997
DL = 0.0703
BEC = 0.572

Weight: <None>
Min Conc: 0

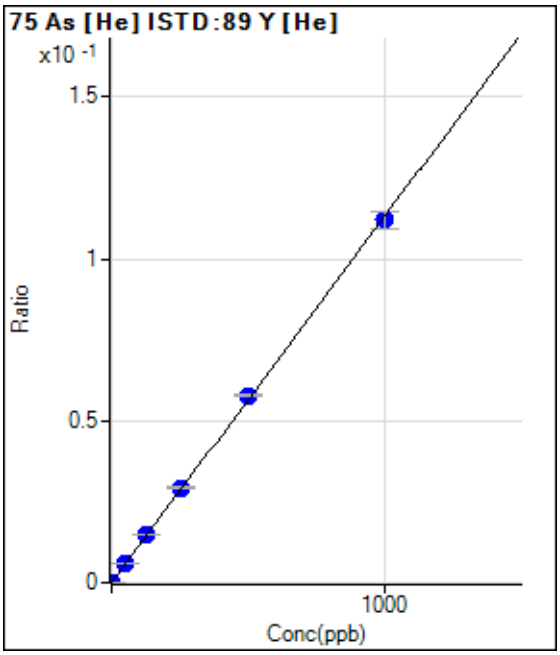
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1687.89	0.0031	P	2.1
2	☐	2.000	5.974	6758.33	0.0125	P	3.9
3	☐	500.000	520.565	450313.29	0.8210	P	0.3
4	☐	1250.000	1296.210	1130360.99	2.0396	P	0.4
5	☐	2500.000	2650.188	2344245.22	4.1668	A	0.9
6	☐	5000.000	5139.736	4516716.98	8.0780	A	1.6
7	☐	10000.000	9885.780	9015702.37	15.5344	A	3.9
8	☐			4262.91	0.0082	P	3.3

y = 0.0016 * x + 0.0031
R = 0.9997
DL = 0.129
BEC = 2.004

Weight: <None>
Min Conc: 0

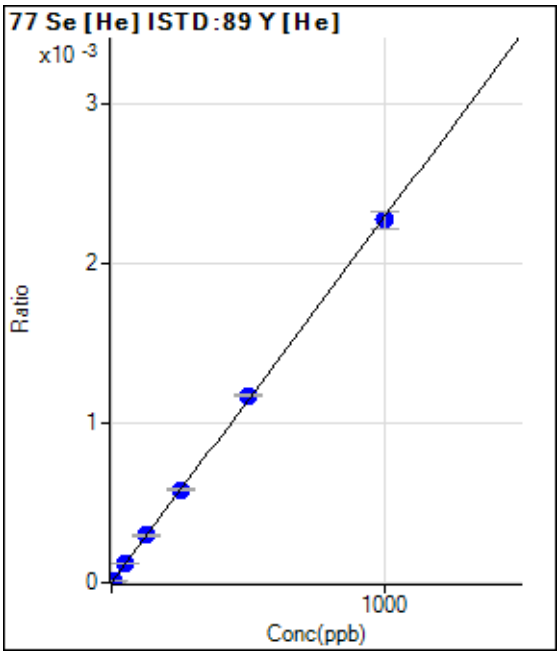


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	8.89	0.0000	P	21.9
2	☐	1.000	1.115	533.35	0.0001	P	7.7
3	☐	50.000	52.773	24823.04	0.0060	P	1.1
4	☐	125.000	130.642	62936.25	0.0148	P	0.4
5	☐	250.000	258.423	127062.14	0.0292	P	1.3
6	☐	500.000	511.703	251517.53	0.0579	P	0.6
7	☐	1000.000	991.199	504726.76	0.1121	P	4.5
8	☐			304.45	0.0001	P	9.7

y = 1.1307E-004 * x + 2.1608E-006
R = 0.9999
DL = 0.01254
BEC = 0.01911

Weight: <None>
Min Conc: 0

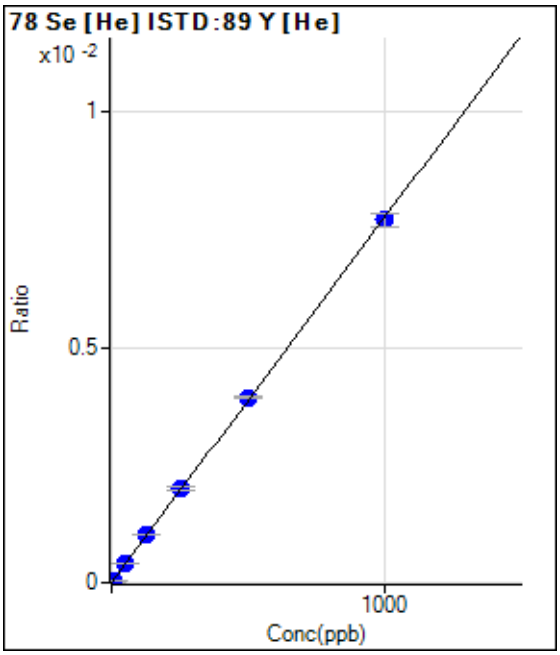
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2.22	0.0000	P	86.6
2	☐	5.000	3.720	37.78	0.0000	P	35.1
3	☐	50.000	50.599	484.46	0.0001	P	3.1
4	☐	125.000	130.956	1281.18	0.0003	P	3.6
5	☐	250.000	254.188	2535.81	0.0006	P	2.2
6	☐	500.000	511.129	5095.40	0.0012	P	1.1
7	☐	1000.000	992.621	10248.27	0.0023	P	4.8
8	☐			6.67	0.0000	P	86.6

y = 2.2922E-006 * x + 5.4026E-007
R = 0.9999
DL = 0.6124
BEC = 0.2357

Weight: <None>
Min Conc: 0

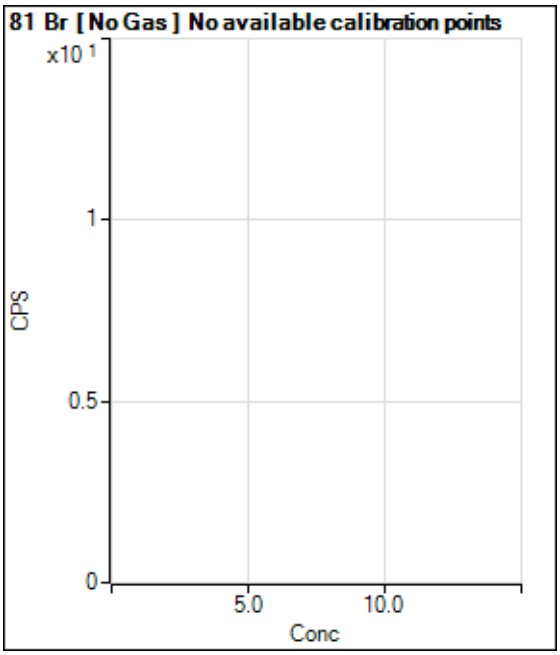


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	13.33	0.0000	P	66.0
2	☐	5.000	4.573	161.11	0.0000	P	10.5
3	☐	50.000	53.746	1746.80	0.0004	P	3.0
4	☐	125.000	130.977	4339.61	0.0010	P	2.1
5	☐	250.000	257.656	8699.44	0.0020	P	2.9
6	☐	500.000	506.429	17082.67	0.0039	P	0.8
7	☐	1000.000	993.939	34723.95	0.0077	P	4.0
8	☐			25.55	0.0000	P	82.8

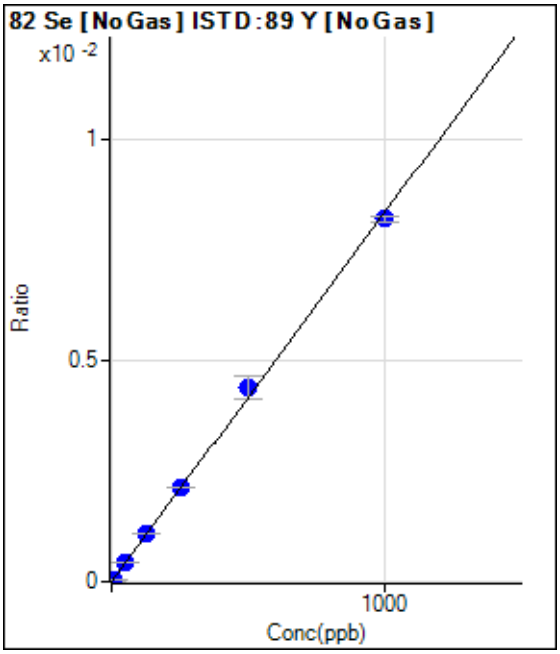
y = 7.7531E-006 * x + 3.2356E-006
R = 0.9999
DL = 0.8267
BEC = 0.4173

Weight: <None>
Min Conc: 0

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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			20298.15		P	1.1
2	☐			19781.86		P	0.3
3	☐			19799.66		P	1.5
4	☐			19593.83		P	2.1
5	☐			20698.75		P	1.9
6	☐			21274.06		P	0.3
7	☐			21481.03		P	1.4
8	☐			20061.11		P	0.8

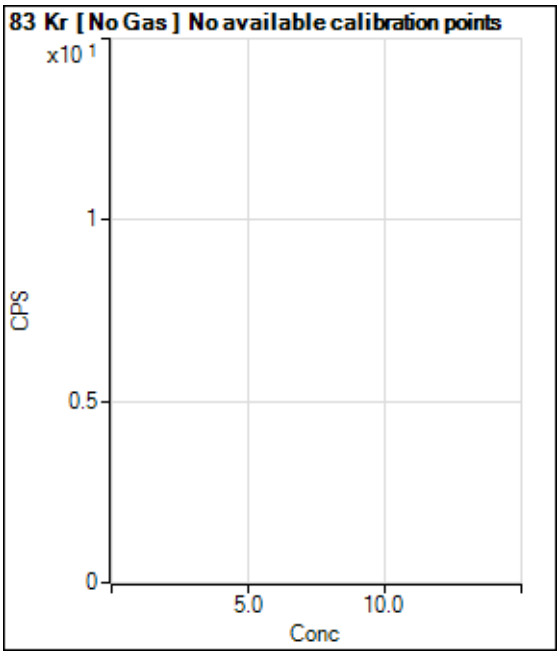


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	-53.34	0.0000	P	-80.
2	☐	5.000	5.556	2094.66	0.0000	P	11.7
3	☐	50.000	52.683	20873.83	0.0004	P	0.7
4	☐	125.000	130.072	52528.83	0.0011	P	1.3
5	☐	250.000	256.258	105465.85	0.0021	P	1.0
6	☐	500.000	527.861	209876.57	0.0044	P	11.4
7	☐	1000.000	983.734	413860.98	0.0082	P	1.5
8	☐			57.78	0.0000	P	111.

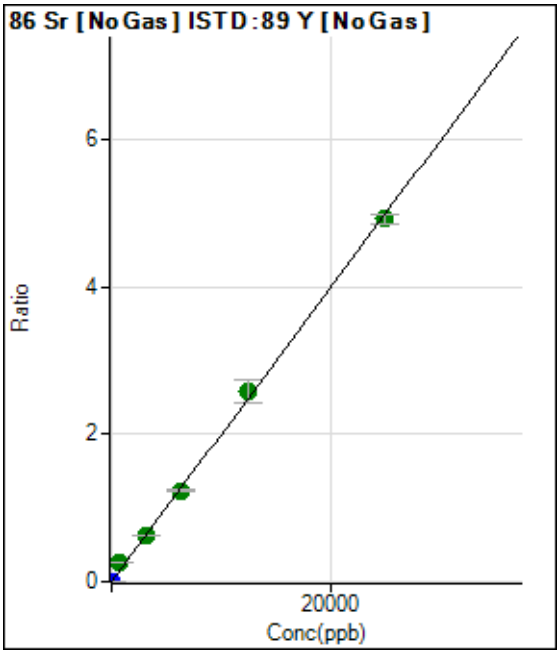
y = 8.3218E-006 * x - 1.1095E-006
R = 0.9994
DL = 0.3226
BEC = -0.1333

Weight: <None>
Min Conc: 0

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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			287.78		P	7.7
2	☐			266.67		P	9.4
3	☐			310.01		P	2.8
4	☐			285.56		P	2.9
5	☐			287.78		P	9.4
6	☐			424.46		P	4.3
7	☐			487.79		P	4.2
8	☐			476.68		P	7.4

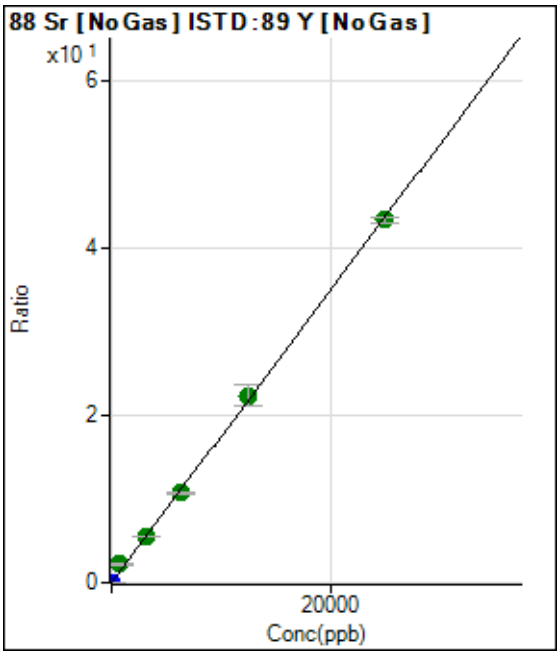


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	505.57	0.0000	P	13.3
2	☐	1.000	0.988	9633.41	0.0002	P	7.9
3	☐	625.000	1269.539	12057899.27	0.2526	A	1.6
4	☐	3125.000	3146.859	30422037.33	0.6262	A	1.0
5	☐	6250.000	6201.734	61072741.31	1.2341	A	1.1
6	☐	12500.000	13009.401	123685780.38	2.5888	A	11.8
7	☐	25000.000	24738.520	248884922.96	4.9229	A	2.8
8	☐			31615.39	0.0008	P	7.5

y = 1.9900E-004 * x + 1.0517E-005
R = 0.9994
DL = 0.02106
BEC = 0.05285

Weight: <None>
Min Conc: 0

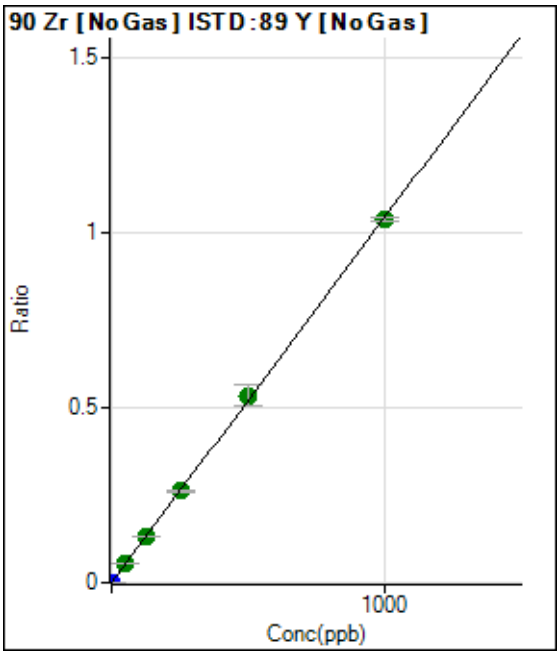
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1450.09	0.0000	P	5.0
2	☐	1.000	0.974	80378.33	0.0017	P	8.1
3	☐	625.000	1256.782	104601955.11	2.1916	A	1.3
4	☐	3125.000	3134.673	265534693.82	5.4663	A	1.5
5	☐	6250.000	6151.335	530786863.20	10.7267	A	0.8
6	☐	12500.000	12801.516	1066900366.3	22.3232	A	11.3
7	☐	25000.000	24856.905	2191602438.4	43.3453	A	1.5
8	☐			275829.56	0.0066	P	3.5

y = 0.0017 * x + 3.0170E-005
R = 0.9996
DL = 0.002584
BEC = 0.0173

Weight: <None>
Min Conc: 0

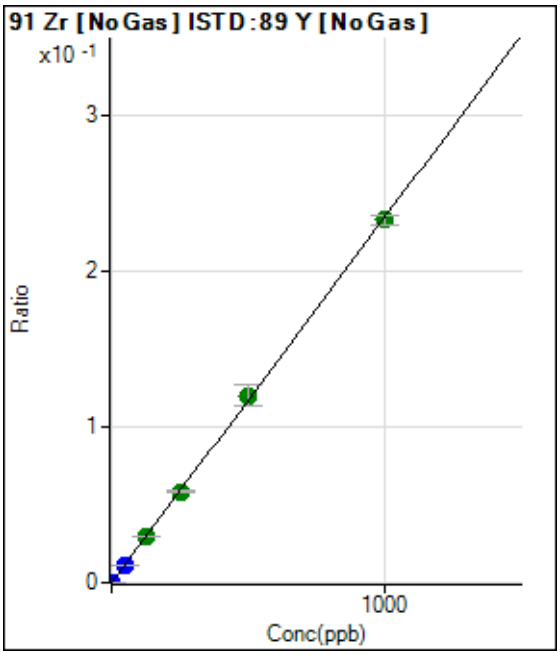


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2460.24	0.0001	P	2.3
2	☐	1.000	0.934	47671.04	0.0010	P	8.9
3	☐	50.000	51.235	2553723.12	0.0535	A	2.0
4	☐	125.000	125.509	6363753.38	0.1310	A	1.3
5	☐	250.000	250.249	12921949.25	0.2611	A	1.1
6	☐	500.000	511.968	25536861.84	0.5342	A	11.0
7	☐	1000.000	993.828	52430819.22	1.0369	A	1.2
8	☐			24888.02	0.0006	P	4.3

y = 0.0010 * x + 5.1203E-005
R = 0.9999
DL = 0.003318
BEC = 0.04908

Weight: <None>
Min Conc: 0

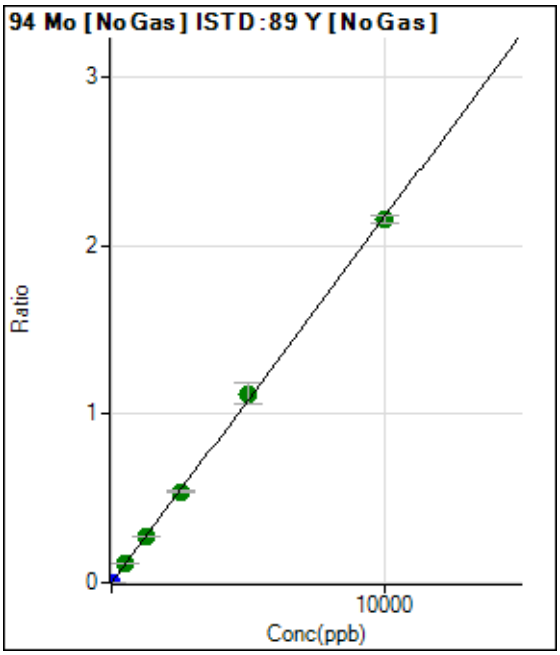
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	376.68	0.0000	P	22.7
2	☐	1.000	0.937	10571.88	0.0002	P	8.9
3	☐	50.000	47.901	536389.30	0.0112	P	0.7
4	☐	125.000	125.157	1425805.03	0.0293	A	0.8
5	☐	250.000	249.074	2889663.47	0.0584	A	1.5
6	☐	500.000	512.601	5745455.75	0.1202	A	10.9
7	☐	1000.000	994.016	11782399.96	0.2330	A	2.4
8	☐			5502.26	0.0001	P	3.2

y = 2.3443E-004 * x + 7.8519E-006
R = 0.9999
DL = 0.02279
BEC = 0.03349

Weight: <None>
Min Conc: 0

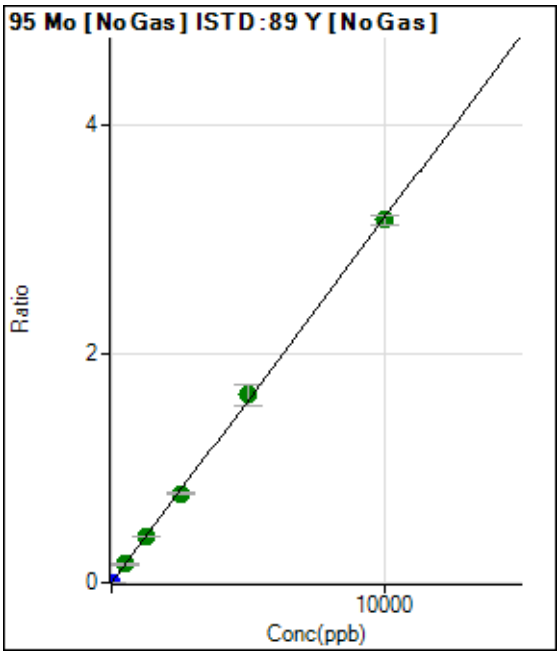


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	711.14	0.0000	P	9.5
2	☐	5.000	5.386	55095.09	0.0012	P	7.2
3	☐	500.000	507.195	5257994.54	0.1102	A	1.1
4	☐	1250.000	1263.494	13330071.05	0.2744	A	0.9
5	☐	2500.000	2483.916	26691974.60	0.5394	A	1.3
6	☐	5000.000	5161.311	53577900.87	1.1209	A	11.1
7	☐	10000.000	9921.319	108933370.60	2.1545	A	2.0
8	☐			26171.66	0.0006	P	7.1

y = 2.1716E-004 * x + 1.4807E-005
R = 0.9998
DL = 0.01938
BEC = 0.06819

Weight: <None>
Min Conc: 0

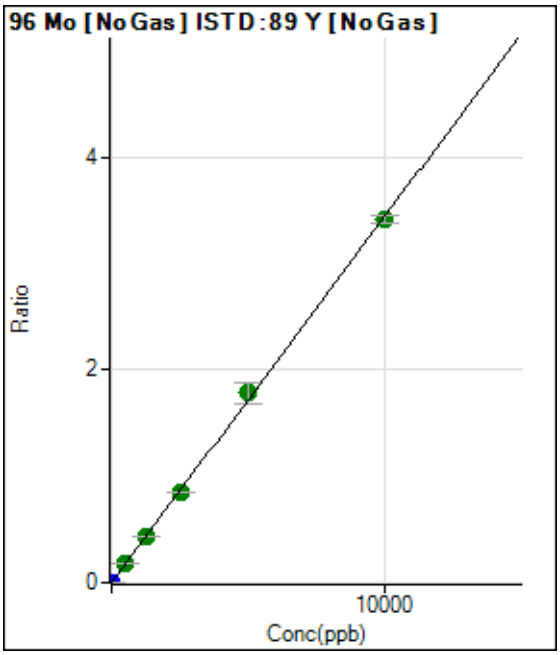
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	160.00	0.0000	P	17.5
2	☐	5.000	4.472	66466.77	0.0014	P	7.8
3	☐	500.000	502.138	7643266.48	0.1601	A	1.2
4	☐	1250.000	1258.757	19500346.23	0.4014	A	1.6
5	☐	2500.000	2441.950	38535512.20	0.7788	A	1.2
6	☐	5000.000	5142.621	78404262.16	1.6400	A	10.9
7	☐	10000.000	9942.000	160300406.50	3.1706	A	2.8
8	☐			30123.33	0.0007	P	3.6

y = 3.1891E-004 * x + 3.3272E-006
R = 0.9998
DL = 0.005481
BEC = 0.01043

Weight: <None>
Min Conc: 0

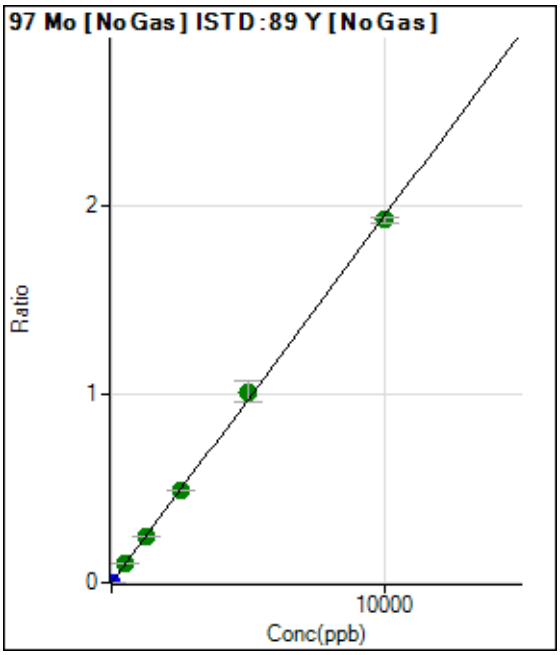


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	343.34	0.0000	P	13.6
2	☐	5.000	4.594	73887.30	0.0016	P	7.8
3	☐	500.000	503.575	8275630.64	0.1734	A	1.3
4	☐	1250.000	1259.624	21069429.55	0.4337	A	0.5
5	☐	2500.000	2472.012	42117250.48	0.8511	A	0.3
6	☐	5000.000	5180.994	85248825.95	1.7838	A	11.4
7	☐	10000.000	9915.118	172599257.43	3.4138	A	2.0
8	☐			39323.86	0.0009	P	4.7

y = 3.4430E-004 * x + 7.1373E-006
R = 0.9998
DL = 0.008459
BEC = 0.02073

Weight: <None>
Min Conc: 0

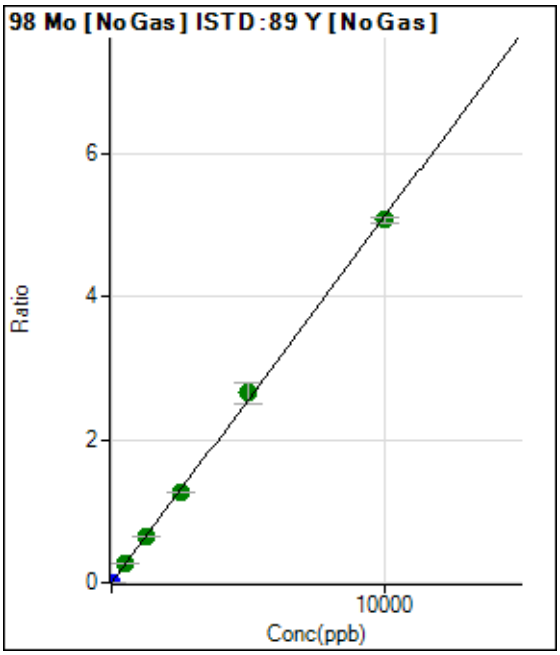
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	100.00	0.0000	P	21.7
2	☐	5.000	4.501	40822.20	0.0009	P	9.3
3	☐	500.000	508.979	4730774.75	0.0991	A	0.4
4	☐	1250.000	1267.596	11991111.49	0.2468	A	0.2
5	☐	2500.000	2514.241	24225336.58	0.4896	A	0.4
6	☐	5000.000	5201.845	48425557.61	1.0129	A	10.8
7	☐	10000.000	9892.869	97396055.22	1.9263	A	1.5
8	☐			16966.43	0.0004	P	3.8

y = 1.9471E-004 * x + 2.0809E-006
R = 0.9997
DL = 0.006946
BEC = 0.01069

Weight: <None>
Min Conc: 0

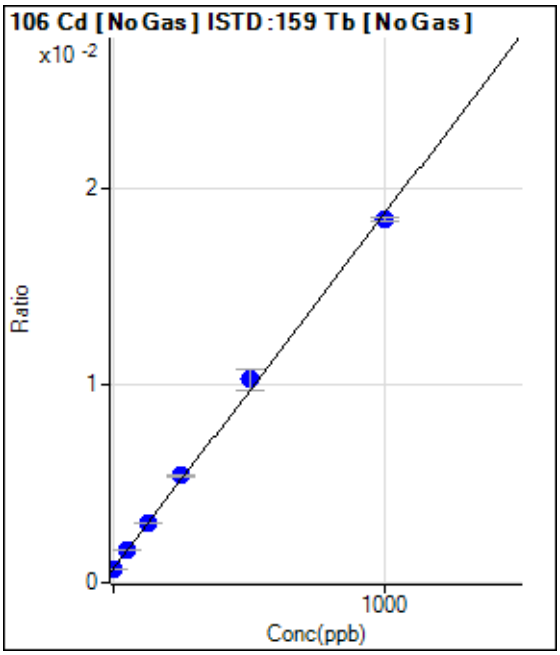


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	263.34	0.0000	P	13.2
2	☐	5.000	4.467	106434.19	0.0023	P	7.4
3	☐	500.000	505.930	12343335.37	0.2586	A	0.3
4	☐	1250.000	1262.694	31351607.87	0.6454	A	0.9
5	☐	2500.000	2470.138	62470828.51	1.2625	A	1.1
6	☐	5000.000	5184.819	126638049.22	2.6499	A	11.4
7	☐	10000.000	9913.173	256170125.07	5.0666	A	1.6
8	☐			42146.11	0.0010	P	3.9

y = 5.1109E-004 * x + 5.4851E-006
R = 0.9997
DL = 0.004251
BEC = 0.01073

Weight: <None>
Min Conc: 0

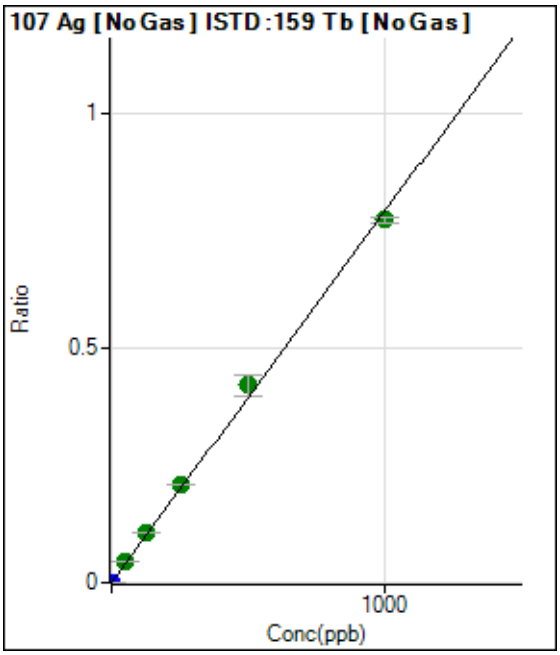
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	31102.85	0.0007	P	1.6
2	☐	1.000	0.467	30565.88	0.0007	P	1.7
3	☐	50.000	53.434	72644.24	0.0017	P	1.9
4	☐	125.000	128.598	135744.38	0.0030	P	1.9
5	☐	250.000	261.232	244998.51	0.0054	P	1.1
6	☐	500.000	532.657	451624.62	0.0103	P	10.2
7	☐	1000.000	980.242	855488.39	0.0184	P	1.1
8	☐			25521.46	0.0007	P	0.7

y = 1.8057E-005 * x + 7.0186E-004
R = 0.9991
DL = 1.822
BEC = 38.87

Weight: <None>
Min Conc: 0

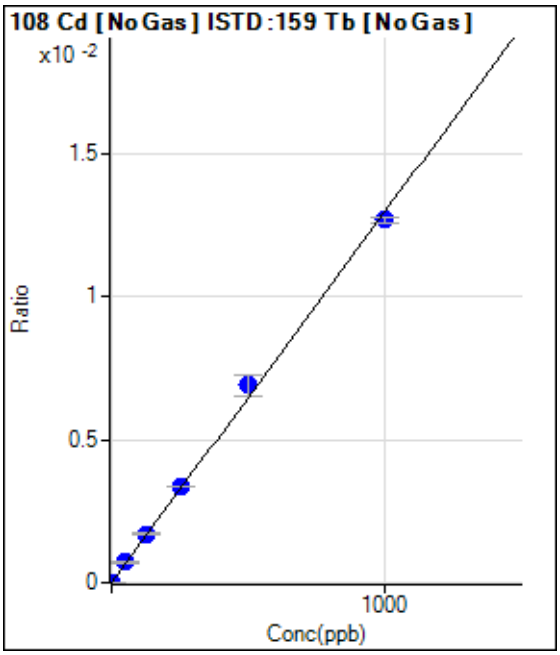


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	383.34	0.0000	P	9.9
2	☐	1.000	1.028	35216.01	0.0008	P	8.1
3	☐	50.000	56.929	1962173.22	0.0450	A	2.0
4	☐	125.000	136.325	4839358.16	0.1078	A	0.9
5	☐	250.000	265.421	9488942.43	0.2099	A	0.4
6	☐	500.000	532.373	18413723.20	0.4209	A	10.7
7	☐	1000.000	978.196	35955574.46	0.7734	A	1.7
8	☐			3014.82	0.0001	P	12.4

y = 7.9064E-004 * x + 8.6370E-006
R = 0.9991
DL = 0.00324
BEC = 0.01092

Weight: <None>
Min Conc: 0

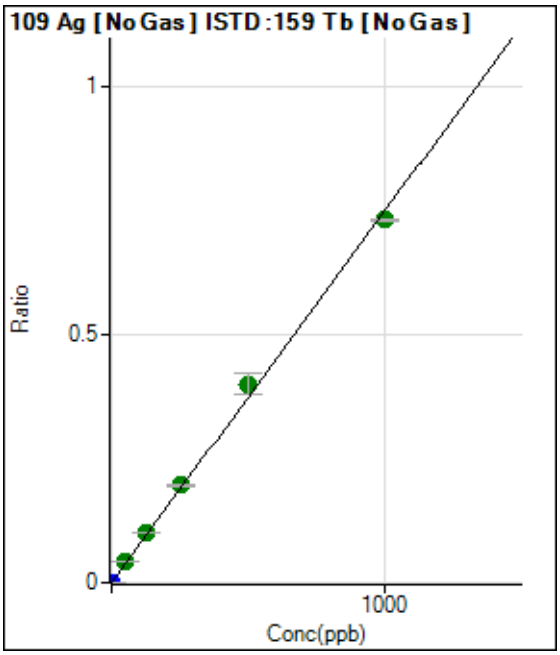
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	62.22	0.0000	P	2.1
2	☐	1.000	0.997	611.13	0.0000	P	14.2
3	☐	50.000	54.677	30874.56	0.0007	P	1.9
4	☐	125.000	132.267	76842.47	0.0017	P	0.3
5	☐	250.000	260.596	152407.54	0.0034	P	1.0
6	☐	500.000	533.049	301568.08	0.0069	P	10.6
7	☐	1000.000	979.684	588901.64	0.0127	P	1.5
8	☐			345.56	0.0000	P	13.5

y = 1.2929E-005 * x + 1.4037E-006
R = 0.9991
DL = 0.006872
BEC = 0.1086

Weight: <None>
Min Conc: 0

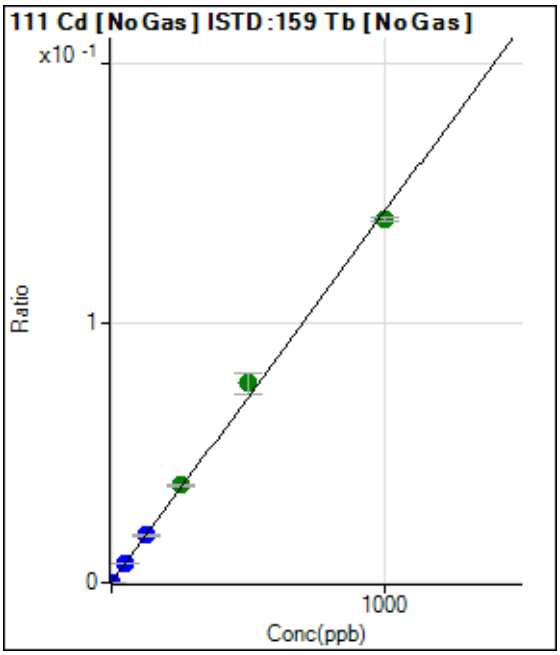


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	113.33	0.0000	P	28.1
2	☐	1.000	1.032	33240.01	0.0008	P	7.8
3	☐	50.000	56.088	1830186.22	0.0420	A	2.2
4	☐	125.000	135.510	4553723.20	0.1014	A	1.7
5	☐	250.000	263.982	8934486.33	0.1976	A	2.0
6	☐	500.000	535.466	17527022.66	0.4008	A	11.4
7	☐	1000.000	977.154	34007779.49	0.7315	A	0.3
8	☐			2742.59	0.0001	P	15.3

y = 7.4857E-004 * x + 2.5532E-006
R = 0.9989
DL = 0.002875
BEC = 0.003411

Weight: <None>
Min Conc: 0

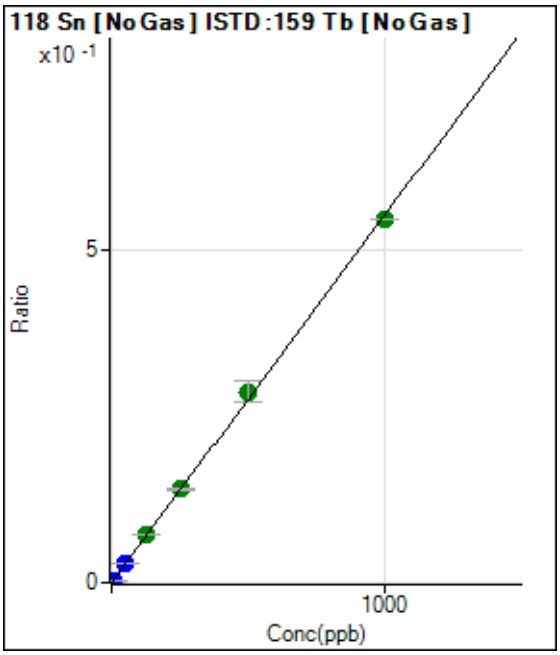
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3081.18	0.0001	P	1.7
2	☐	1.000	1.053	9444.99	0.0002	P	6.7
3	☐	50.000	52.214	328375.49	0.0075	P	1.0
4	☐	125.000	127.145	818987.32	0.0182	P	1.3
5	☐	250.000	261.474	1692918.47	0.0374	A	1.1
6	☐	500.000	537.701	3365906.49	0.0769	A	10.5
7	☐	1000.000	977.902	6501757.24	0.1398	A	1.0
8	☐			3758.12	0.0001	P	3.6

y = 1.4294E-004 * x + 6.9531E-005
R = 0.9988
DL = 0.02537
BEC = 0.4864

Weight: <None>
Min Conc: 0

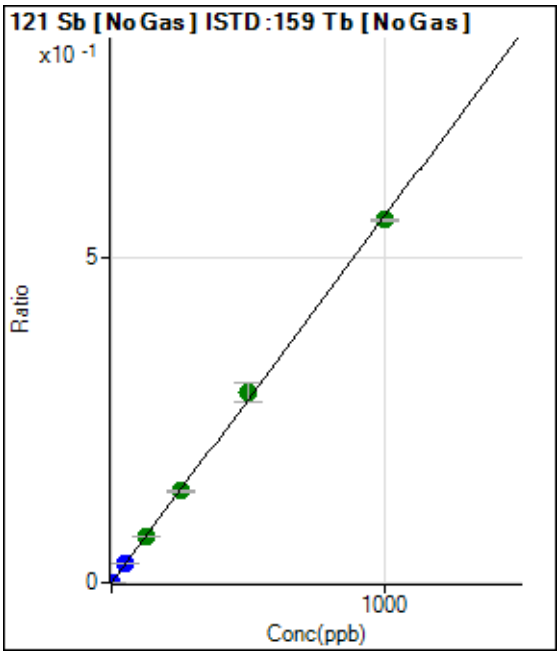


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3851.02	0.0001	P	12.3
2	☐	5.000	4.957	120725.26	0.0028	P	8.3
3	☐	50.000	51.357	1235932.69	0.0284	P	1.2
4	☐	125.000	130.402	3226024.15	0.0719	A	1.0
5	☐	250.000	253.937	6323192.41	0.1399	A	0.5
6	☐	500.000	520.044	12526260.23	0.2863	A	10.6
7	☐	1000.000	988.251	25292633.23	0.5440	A	0.2
8	☐			22287.12	0.0006	P	0.9

y = 5.5039E-004 * x + 8.6914E-005
R = 0.9997
DL = 0.05836
BEC = 0.1579

Weight: <None>
Min Conc: 0

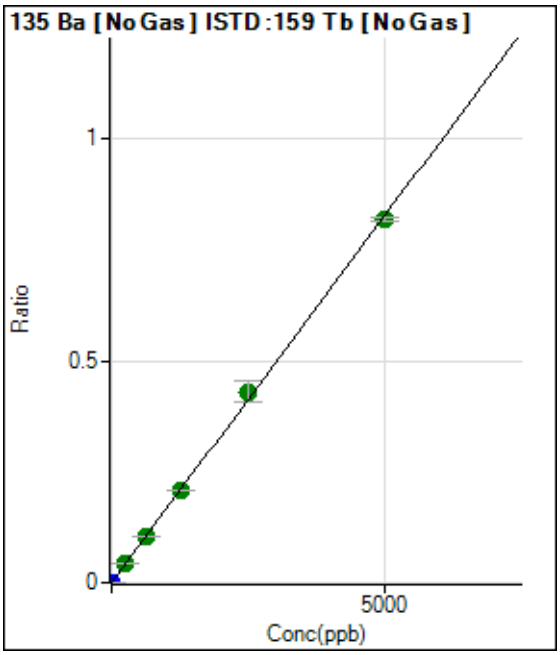
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	132.23	0.0000	P	3.3
2	☐	2.000	1.994	48212.38	0.0011	P	7.7
3	☐	50.000	50.307	1233140.03	0.0283	P	1.2
4	☐	125.000	127.360	3215508.95	0.0716	A	0.4
5	☐	250.000	249.525	6344091.57	0.1403	A	0.7
6	☐	500.000	519.075	12770009.39	0.2919	A	10.5
7	☐	1000.000	990.271	25886859.34	0.5568	A	0.6
8	☐			13387.86	0.0004	P	14.2

y = 5.6228E-004 * x + 2.9832E-006
R = 0.9997
DL = 0.000528
BEC = 0.005306

Weight: <None>
Min Conc: 0

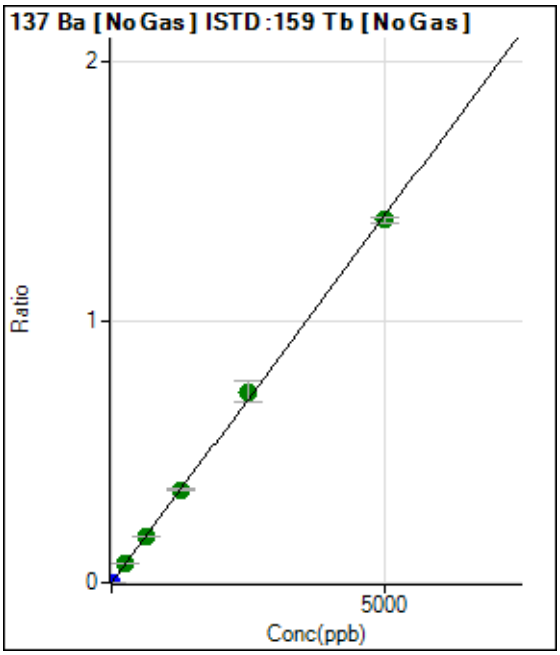


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	443.34	0.0000	P	19.4
2	☐	10.000	9.658	68932.08	0.0016	P	8.1
3	☐	250.000	262.818	1894635.62	0.0435	A	3.2
4	☐	625.000	630.996	4686267.05	0.1044	A	1.5
5	☐	1250.000	1253.551	9373800.83	0.2073	A	1.1
6	☐	2500.000	2600.275	18808128.89	0.4300	A	11.0
7	☐	5000.000	4947.585	38040023.32	0.8182	A	1.1
8	☐			12851.76	0.0003	P	2.3

y = 1.6538E-004 * x + 1.0020E-005
R = 0.9997
DL = 0.03518
BEC = 0.06059

Weight: <None>
Min Conc: 0

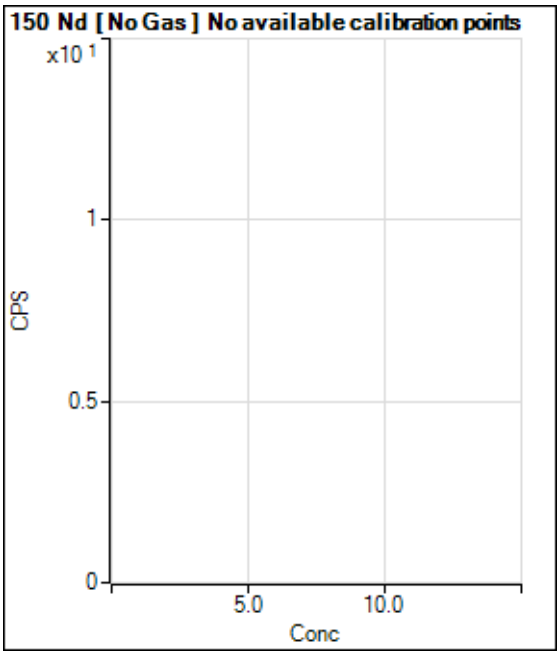
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	732.25	0.0000	P	7.7
2	☐	10.000	9.868	119839.53	0.0028	P	8.5
3	☐	250.000	265.286	3256541.38	0.0747	A	1.4
4	☐	625.000	635.267	8031618.63	0.1789	A	1.9
5	☐	1250.000	1261.639	16060797.95	0.3552	A	1.5
6	☐	2500.000	2600.538	32030634.24	0.7322	A	10.7
7	☐	5000.000	4944.774	64722920.15	1.3923	A	1.4
8	☐			21791.07	0.0006	P	3.8

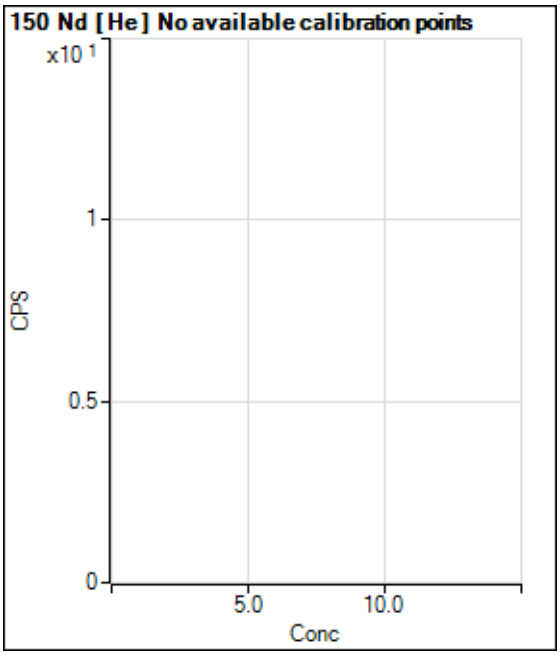
y = 2.8156E-004 * x + 1.6537E-005
R = 0.9997
DL = 0.01363
BEC = 0.05873

Weight: <None>
Min Conc: 0

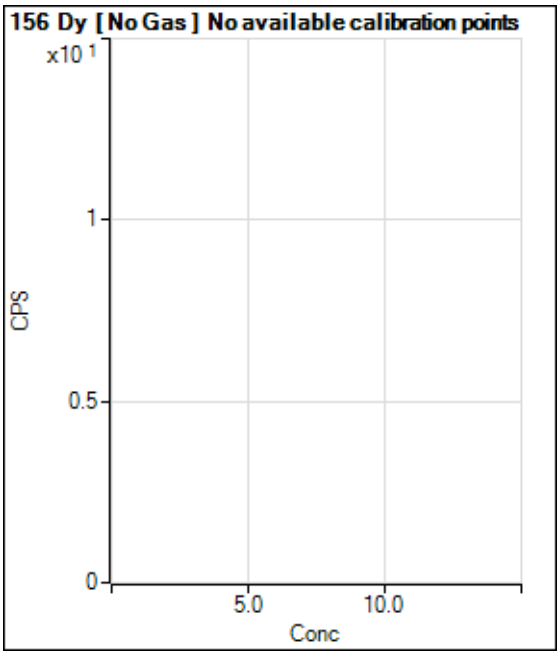


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			32.22		P	29.8
2	☐			50.00		P	23.1
3	☐			292.23		P	5.4
4	☐			711.14		P	13.3
5	☐			1376.75		P	2.6
6	☐			2801.44		P	2.6
7	☐			5689.04		P	1.9
8	☐			576.69		P	10.1

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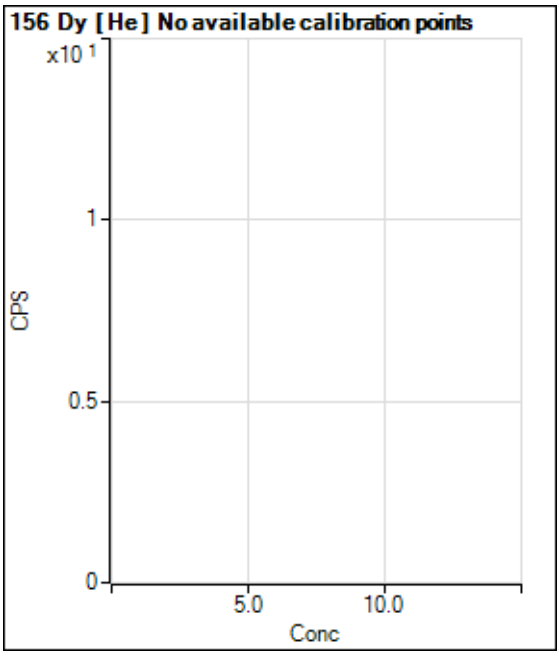


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			11.11		P	62.5
2	☐			11.11		P	45.8
3	☐			21.11		P	65.7
4	☐			54.45		P	41.7
5	☐			66.66		P	17.3
6	☐			123.34		P	19.5
7	☐			247.78		P	14.5
8	☐			156.67		P	18.4

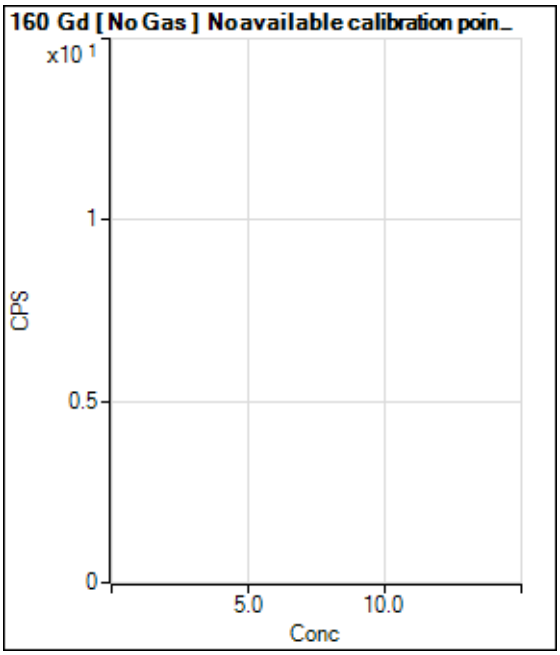


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			2216.87		P	3.7
2	☐			2211.32		P	2.3
3	☐			2077.96		P	7.9
4	☐			1914.61		P	4.4
5	☐			1930.16		P	4.4
6	☐			2278.00		P	1.9
7	☐			2809.21		P	1.9
8	☐			2759.20		P	12.2

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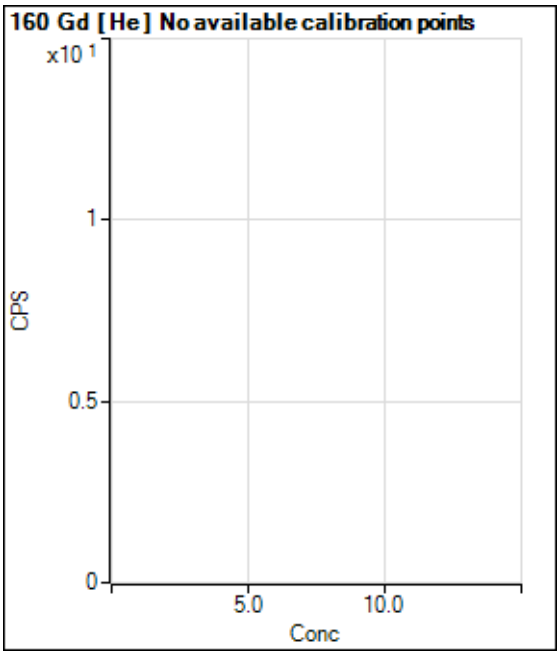


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			93.33		P	7.1
2	☐			108.89		P	20.8
3	☐			115.56		P	8.8
4	☐			141.11		P	17.4
5	☐			172.22		P	9.1
6	☐			323.34		P	10.8
7	☐			534.46		P	4.1
8	☐			504.46		P	5.4

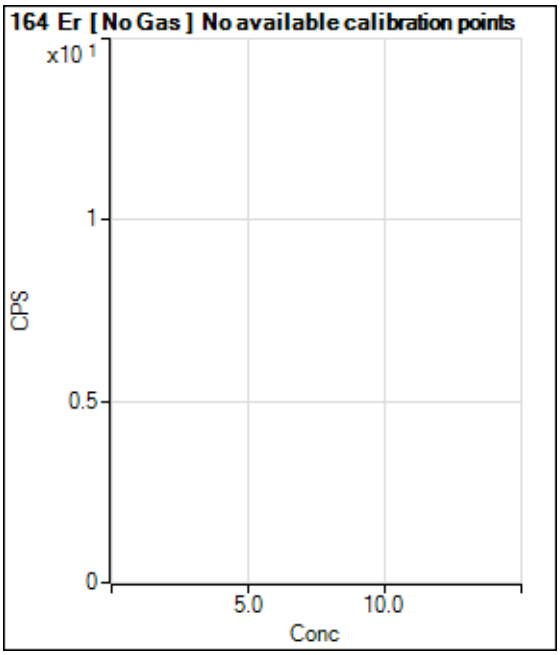


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			592.24		P	12.7
2	☐			586.69		P	12.5
3	☐			607.80		P	6.2
4	☐			562.24		P	8.9
5	☐			678.92		P	5.2
6	☐			700.02		P	8.3
7	☐			862.26		P	0.2
8	☐			1383.42		P	6.5

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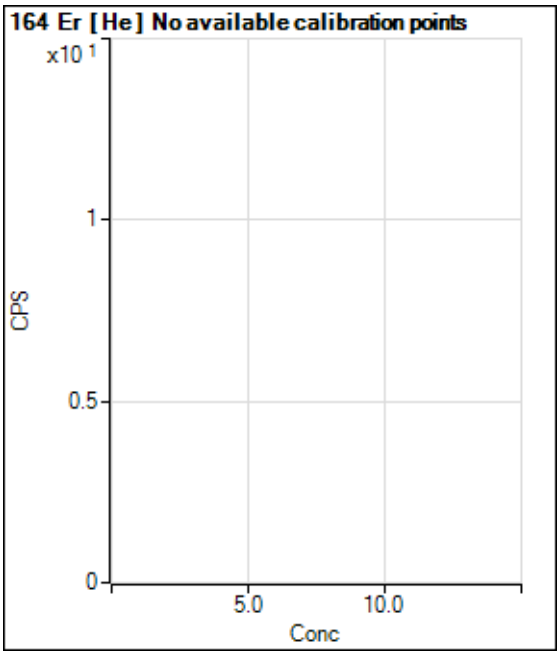


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			624.47		P	4.8
2	☐			595.58		P	14.8
3	☐			675.58		P	8.8
4	☐			642.25		P	2.9
5	☐			686.69		P	6.2
6	☐			697.81		P	5.7
7	☐			785.59		P	9.4
8	☐			1046.72		P	5.1

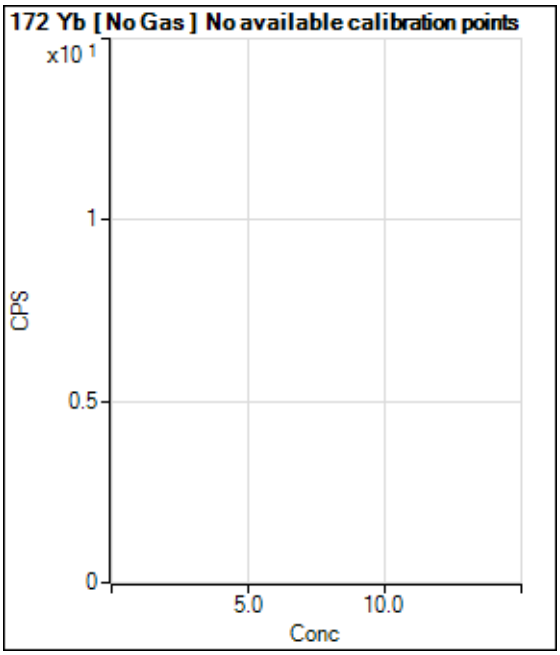


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			313.34		P	2.8
2	☐			315.56		P	21.4
3	☐			311.12		P	10.4
4	☐			358.90		P	8.8
5	☐			372.23		P	2.6
6	☐			461.12		P	13.1
7	☐			647.80		P	5.5
8	☐			1100.06		P	5.6

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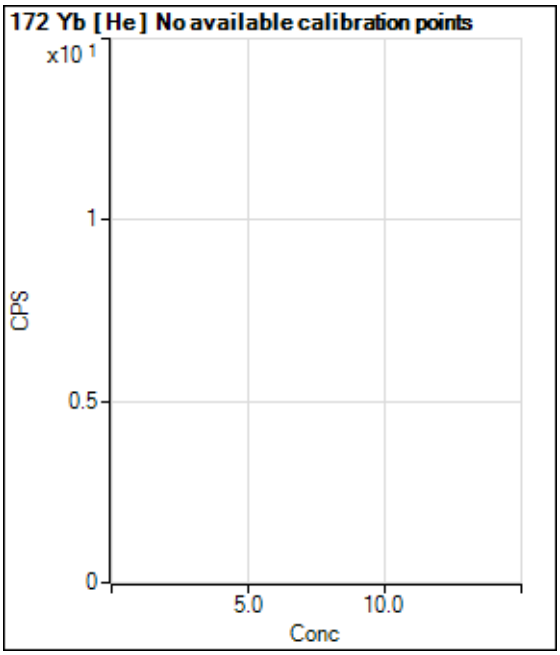


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			101.11		P	13.7
2	☐			117.78		P	3.3
3	☐			94.44		P	14.7
4	☐			123.33		P	12.4
5	☐			141.12		P	16.1
6	☐			163.34		P	5.4
7	☐			190.00		P	16.7
8	☐			405.56		P	9.6

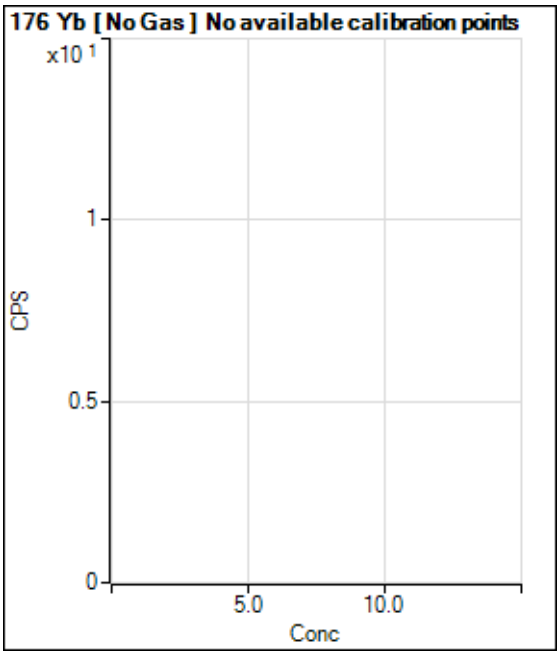


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1	☐			292.23		P	5.7
2	☐			283.34		P	7.3
3	☐			286.67		P	13.2
4	☐			308.89		P	8.7
5	☐			392.23		P	13.6
6	☐			476.68		P	8.2
7	☐			640.02		P	14.3
8	☐			1434.54		P	3.5

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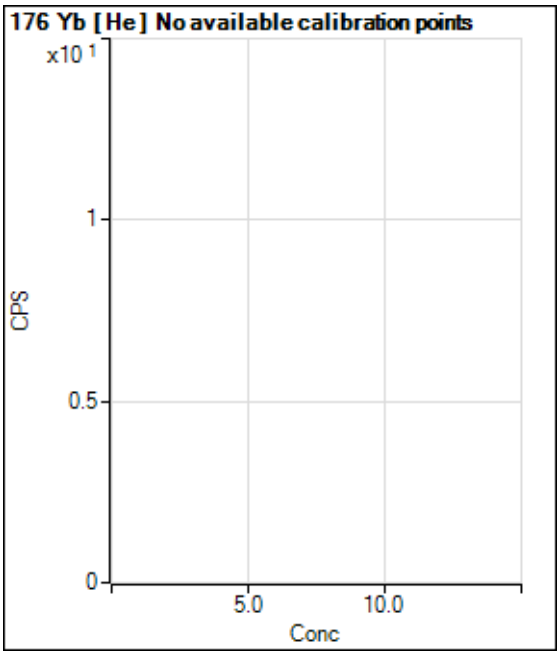


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			133.34		P	9.0
2	☐			100.00		P	11.5
3	☐			125.56		P	17.1
4	☐			135.56		P	13.5
5	☐			163.34		P	10.6
6	☐			205.56		P	6.8
7	☐			242.23		P	10.3
8	☐			642.24		P	18.4

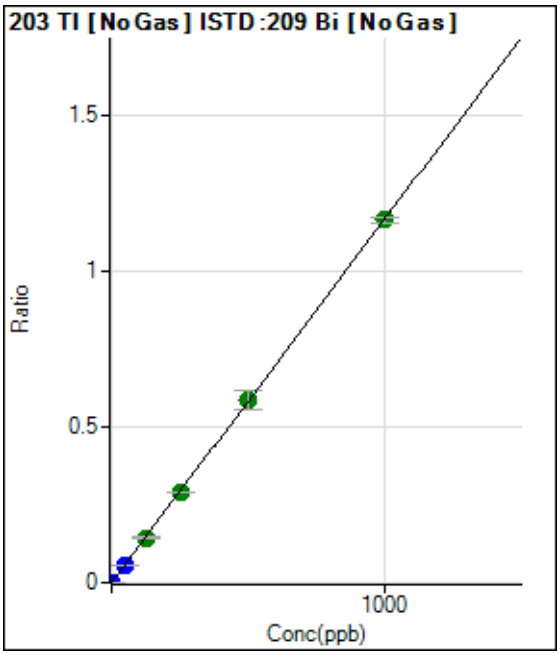


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			12516.03		P	2.4
2	☐			11848.86		P	6.8
3	☐			18831.24		P	1.5
4	☐			29211.18		P	1.0
5	☐			46533.93		P	1.2
6	☐			81212.28		P	2.2
7	☐			150487.04		P	0.3
8	☐			10850.10		P	1.8

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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			53753.30		P	1.8
2	☐			54269.78		P	0.9
3	☐			56925.36		P	0.3
4	☐			60641.75		P	1.4
5	☐			67772.69		P	0.6
6	☐			79869.67		P	1.5
7	☐			106503.50		P	2.5
8	☐			51765.43		P	2.8

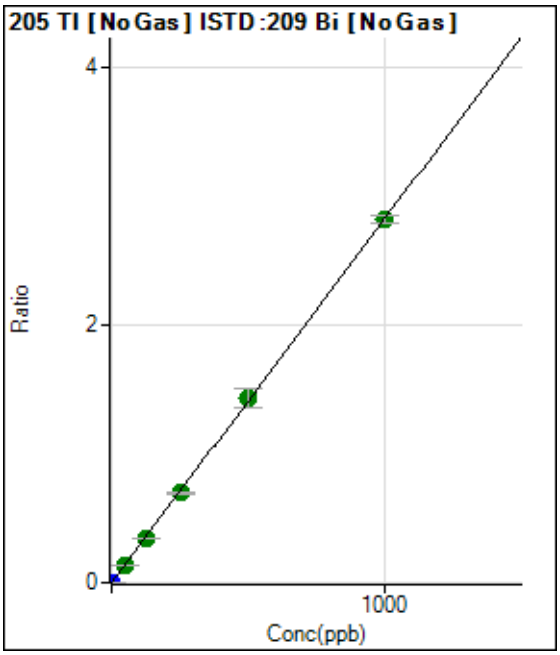


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	196.67	0.0000	P	12.4
2	☐	1.000	0.938	29278.53	0.0011	P	8.8
3	☐	50.000	48.085	1529329.54	0.0562	P	1.5
4	☐	125.000	123.785	3907576.68	0.1447	A	1.0
5	☐	250.000	247.341	7766679.46	0.2890	A	0.5
6	☐	500.000	504.474	15120529.50	0.5895	A	10.2
7	☐	1000.000	998.675	30449972.32	1.1670	A	1.7
8	☐			3364.95	0.0002	P	17.8

y = 0.0012 * x + 7.0917E-006
R = 1.0000
DL = 0.002258
BEC = 0.006069

Weight: <None>
Min Conc: 0

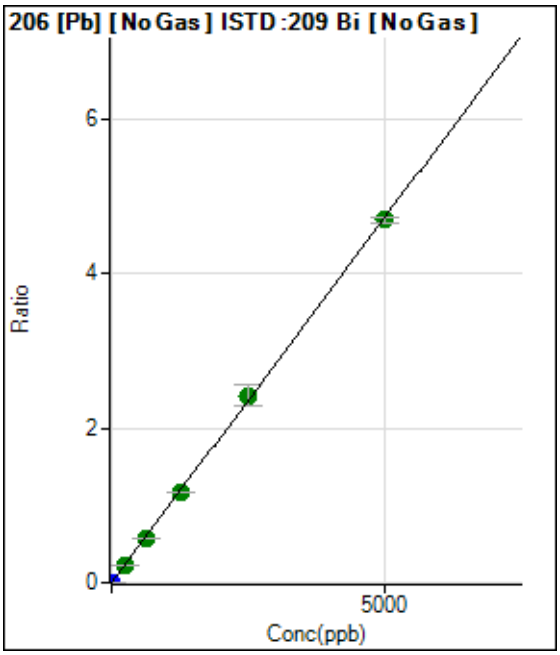
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Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	451.13	0.0000	P	4.6
2	☐	1.000	0.956	71895.39	0.0027	P	9.0
3	☐	50.000	49.405	3789350.22	0.1392	A	1.2
4	☐	125.000	120.449	9168380.90	0.3394	A	1.4
5	☐	250.000	246.091	18633401.11	0.6934	A	0.8
6	☐	500.000	507.534	36677141.68	1.4301	A	10.3
7	☐	1000.000	997.809	73354885.02	2.8115	A	2.1
8	☐			7997.09	0.0004	P	8.3

y = 0.0028 * x + 1.6274E-005
R = 0.9999
DL = 0.0007951
BEC = 0.005776

Weight: <None>
Min Conc: 0

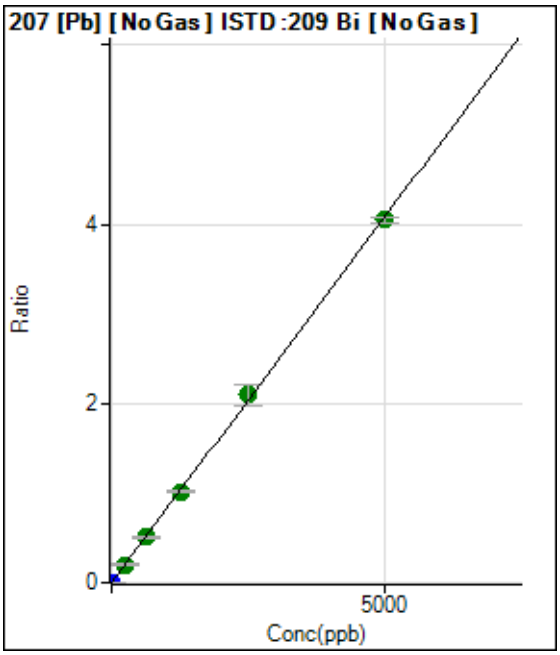


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	796.70	0.0000	P	0.9
2	☐	1.000	0.954	24706.93	0.0009	P	9.1
3	☐	250.000	246.520	6344179.49	0.2331	A	0.8
4	☐	625.000	616.133	15736159.77	0.5825	A	0.8
5	☐	1250.000	1237.070	31427623.14	1.1696	A	0.6
6	☐	2500.000	2562.887	62118186.85	2.4230	A	10.9
7	☐	5000.000	4973.071	122675909.28	4.7016	A	1.7
8	☐			22915.06	0.0012	P	1.9

y = 9.4541E-004 * x + 2.8748E-005
R = 0.9999
DL = 0.0008273
BEC = 0.03041

Weight: <None>
Min Conc: 0

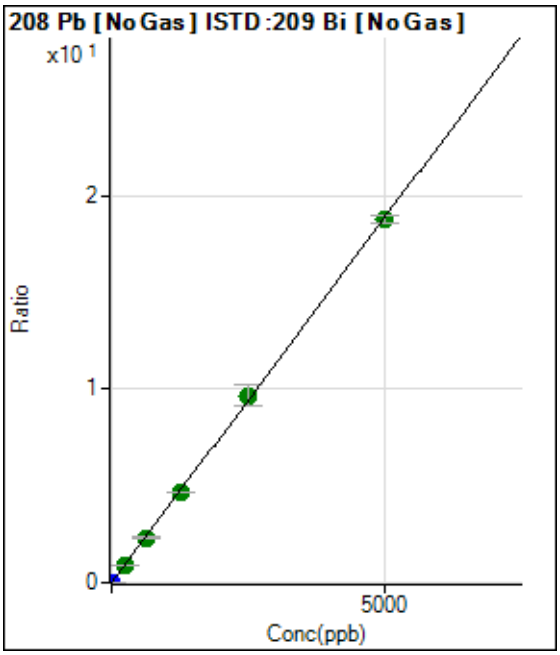
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	627.80	0.0000	P	7.0
2	☐	1.000	0.972	21630.37	0.0008	P	9.9
3	☐	250.000	249.680	5540711.93	0.2037	A	3.0
4	☐	625.000	623.720	13741139.10	0.5087	A	1.7
5	☐	1250.000	1247.617	27343561.82	1.0175	A	2.1
6	☐	2500.000	2571.565	53754094.20	2.0973	A	11.3
7	☐	5000.000	4964.989	105651168.42	4.0492	A	1.9
8	☐			19516.00	0.0010	P	2.2

y = 8.1555E-004 * x + 2.2644E-005
R = 0.9998
DL = 0.005834
BEC = 0.02776

Weight: <None>
Min Conc: 0

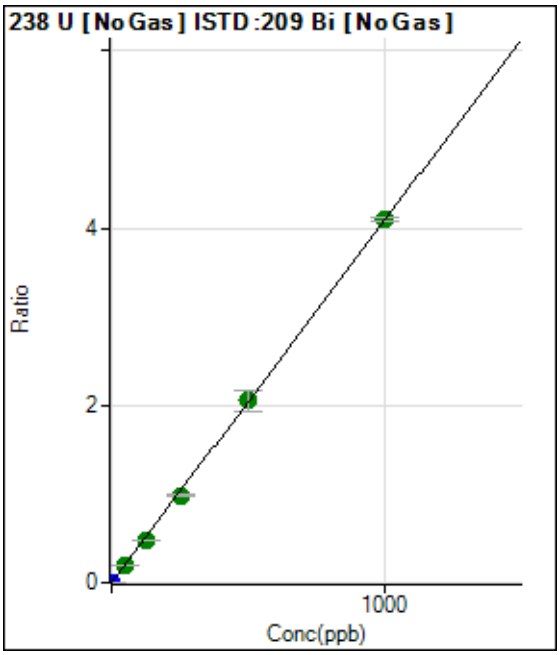


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2997.95	0.0001	P	5.9
2	☐	1.000	0.967	99677.56	0.0038	P	9.1
3	☐	250.000	247.969	25449056.77	0.9351	A	1.6
4	☐	625.000	616.955	62846930.32	2.3265	A	0.9
5	☐	1250.000	1237.551	125404697.30	4.6667	A	0.7
6	☐	2500.000	2564.562	247892692.41	9.6706	A	11.1
7	☐	5000.000	4971.938	489164271.60	18.7483	A	2.0
8	☐			91494.69	0.0047	P	2.3

y = 0.0038 * x + 1.0820E-004
R = 0.9999
DL = 0.005113
BEC = 0.02869

Weight: <None>
Min Conc: 0

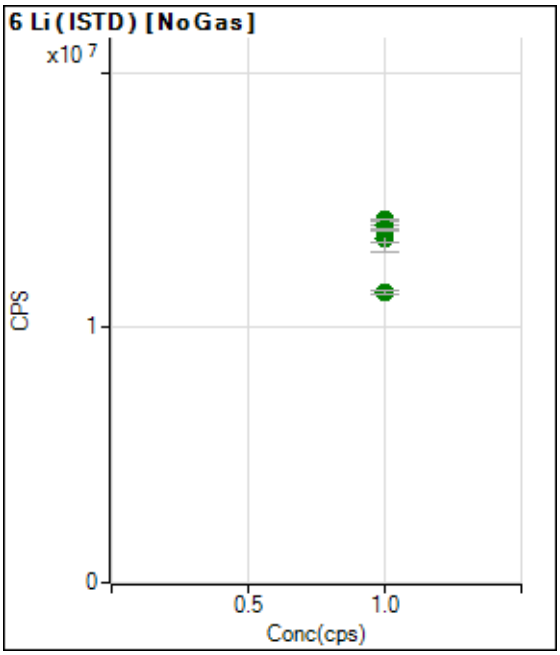
Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	82.22	0.0000	P	15.2
2	☐	1.000	0.905	98132.73	0.0037	P	9.4
3	☐	50.000	47.803	5316857.66	0.1953	A	0.7
4	☐	125.000	118.542	13084226.47	0.4844	A	0.5
5	☐	250.000	240.714	26430702.39	0.9835	A	0.9
6	☐	500.000	502.856	52663626.44	2.0546	A	11.2
7	☐	1000.000	1001.811	106813238.41	4.0933	A	1.2
8	☐			4329.01	0.0002	P	23.3

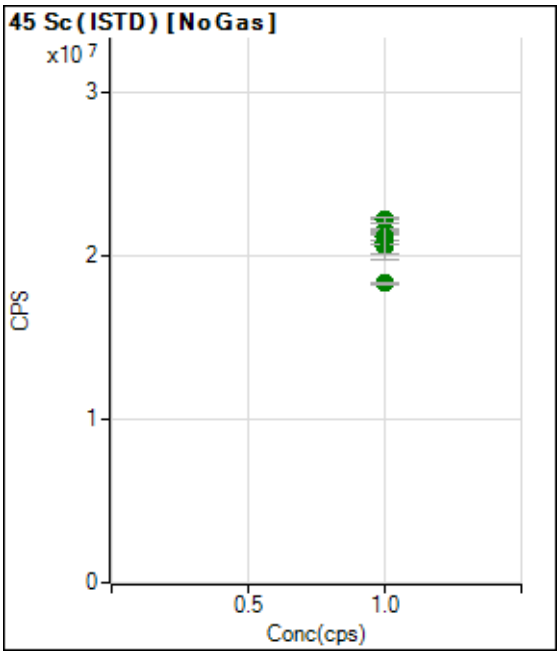
y = 0.0041 * x + 2.9667E-006
R = 0.9999
DL = 0.0003308
BEC = 0.0007261

Weight: <None>
Min Conc: 0

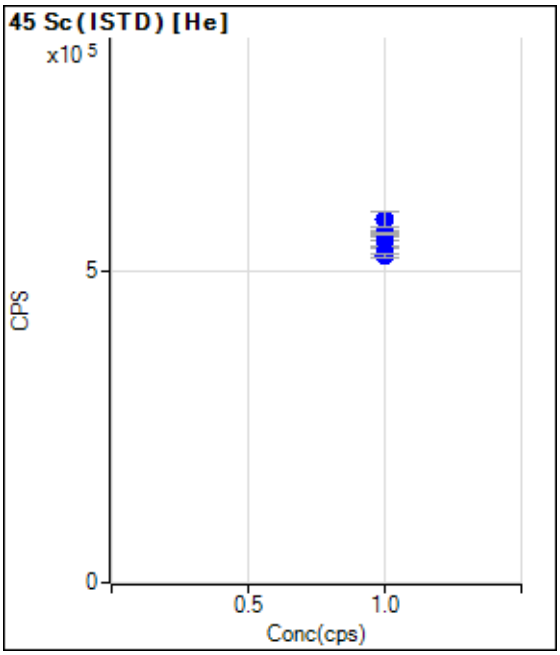


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		13994612.05		A	2.1
2	☐	1.000		13508468.75		A	7.7
3	☐	1.000		13999404.47		A	0.1
4	☐	1.000		14216569.83		A	0.5
5	☐	1.000		14001508.48		A	1.9
6	☐	1.000		13793813.19		A	7.0
7	☐	1.000		13836430.47		A	0.7
8	☐	1.000		11386620.34		A	1.4

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

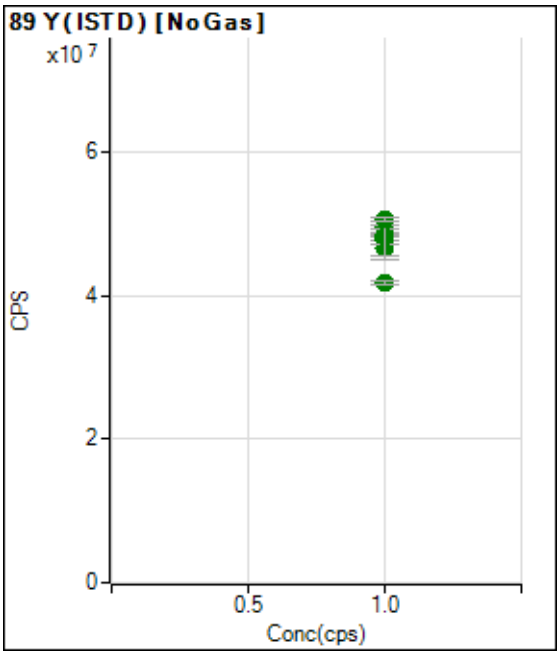


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		21213161.21		A	1.9
2	☐	1.000		20653260.25		A	8.5
3	☐	1.000		20800021.50		A	1.0
4	☐	1.000		21304911.07		A	0.3
5	☐	1.000		21558509.12		A	0.4
6	☐	1.000		21191304.96		A	10.1
7	☐	1.000		22209294.11		A	1.5
8	☐	1.000		18344279.31		A	0.8

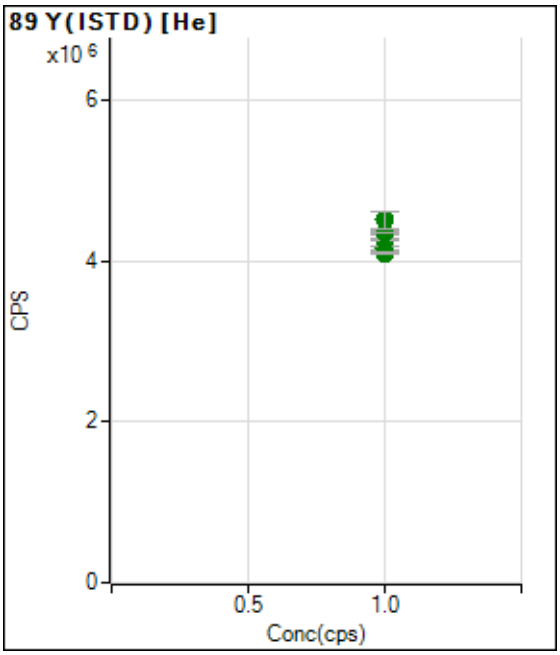


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		536024.57		P	0.4
2	☐	1.000		539195.68		P	0.1
3	☐	1.000		548499.20		P	0.2
4	☐	1.000		554216.82		P	0.5
5	☐	1.000		562611.28		P	0.5
6	☐	1.000		559111.83		P	0.5
7	☐	1.000		580976.16		P	4.1
8	☐	1.000		522874.06		P	1.1

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

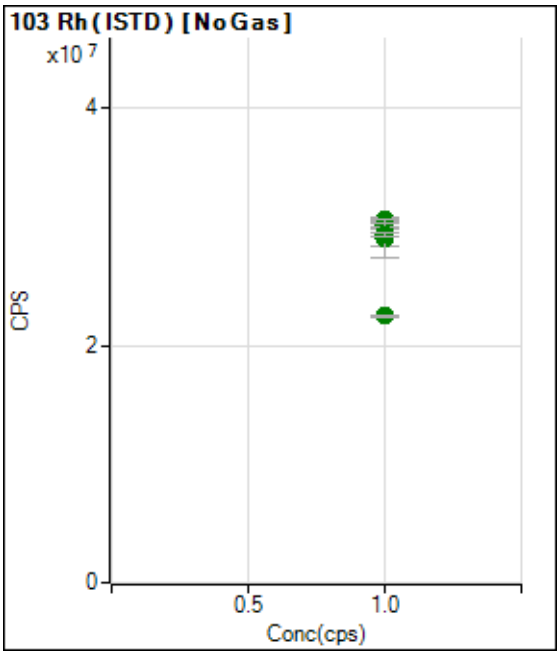


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		48056219.84		A	1.2
2	☐	1.000		46684319.03		A	7.6
3	☐	1.000		47736004.85		A	1.9
4	☐	1.000		48582700.95		A	1.2
5	☐	1.000		49484839.26		A	1.1
6	☐	1.000		48199584.00		A	11.2
7	☐	1.000		50567146.47		A	1.2
8	☐	1.000		41736645.21		A	1.0

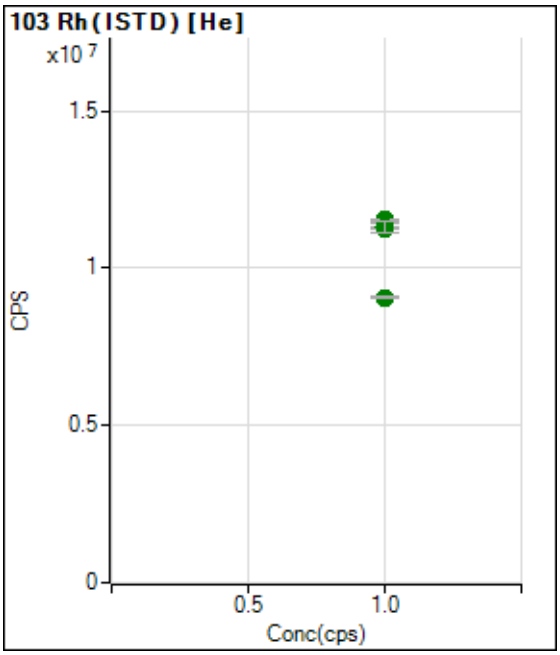


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		4115913.34		A	0.3
2	☐	1.000		4161335.81		A	1.2
3	☐	1.000		4158944.24		A	1.6
4	☐	1.000		4260120.84		A	0.4
5	☐	1.000		4348590.70		A	0.9
6	☐	1.000		4347120.25		A	0.2
7	☐	1.000		4509622.05		A	4.6
8	☐	1.000		4091171.29		A	0.6

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

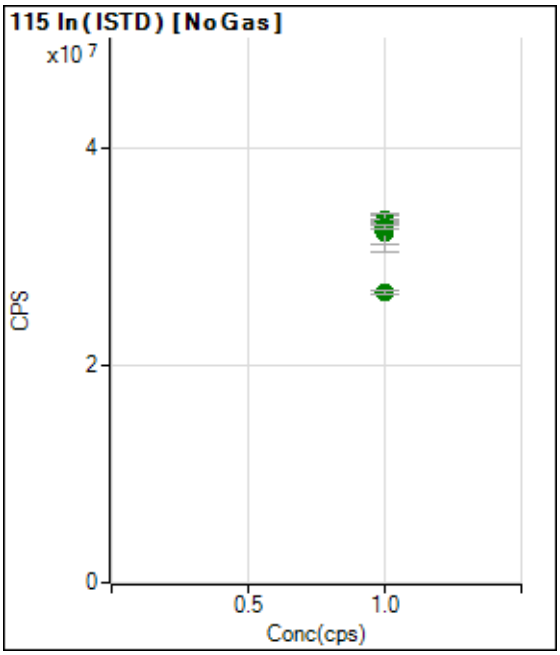


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1	☐	1.000		30585861.77		A	1.0
2	☐	1.000		29581427.06		A	8.6
3	☐	1.000		30235580.38		A	2.0
4	☐	1.000		29972467.33		A	0.5
5	☐	1.000		30198028.99		A	1.0
6	☐	1.000		29064522.07		A	11.2
7	☐	1.000		29378754.01		A	1.0
8	☐	1.000		22465889.67		A	0.5

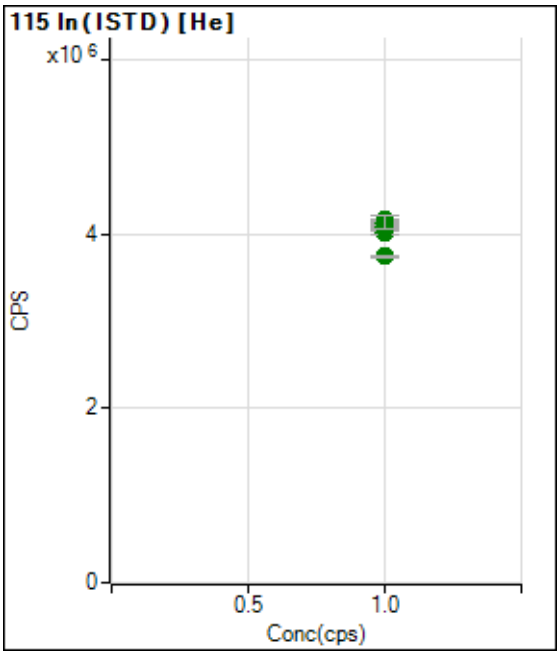


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		11436151.91		A	0.6
2	☐	1.000		11523246.08		A	0.8
3	☐	1.000		11529395.10		A	0.6
4	☐	1.000		11503030.38		A	0.9
5	☐	1.000		11533129.13		A	0.3
6	☐	1.000		11278002.33		A	1.0
7	☐	1.000		11306421.22		A	3.6
8	☐	1.000		9071487.92		A	0.6

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

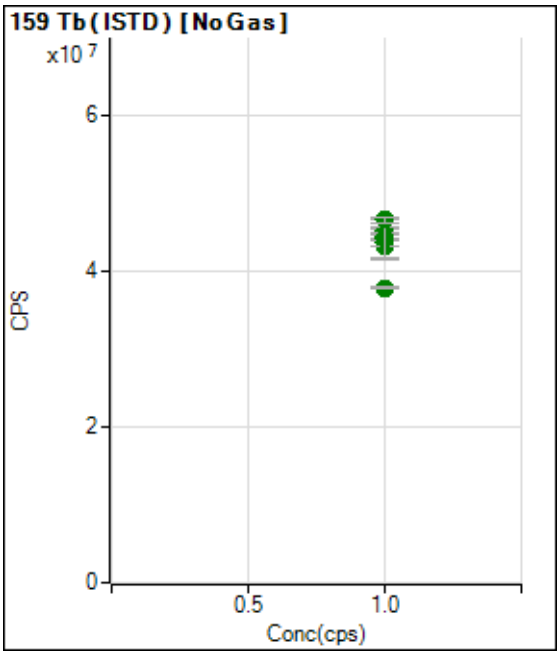


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		33362756.07		A	0.8
2	☐	1.000		32453764.03		A	8.0
3	☐	1.000		32864790.86		A	1.9
4	☐	1.000		33411921.62		A	0.4
5	☐	1.000		33229430.96		A	1.1
6	☐	1.000		32244918.06		A	11.1
7	☐	1.000		32763249.69		A	0.9
8	☐	1.000		26739842.67		A	1.1

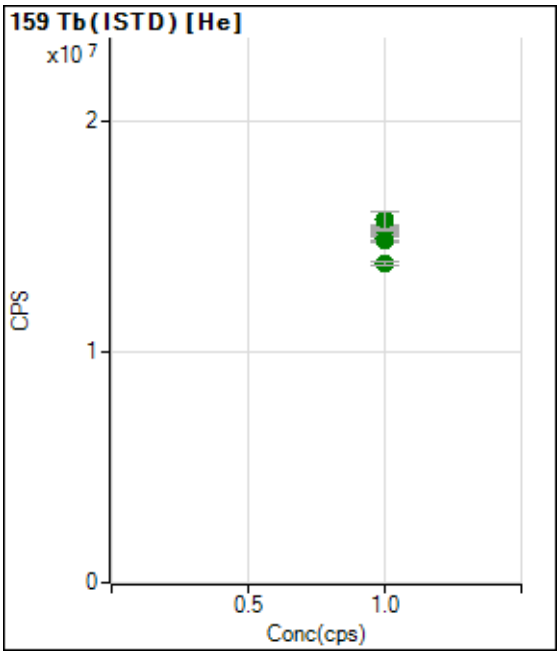


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		4007492.36		A	1.2
2	☐	1.000		4067745.53		A	1.4
3	☐	1.000		4086544.95		A	1.3
4	☐	1.000		4058338.66		A	1.4
5	☐	1.000		4159534.84		A	0.8
6	☐	1.000		4077607.41		A	0.7
7	☐	1.000		4133442.59		A	3.7
8	☐	1.000		3740048.67		A	1.0

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

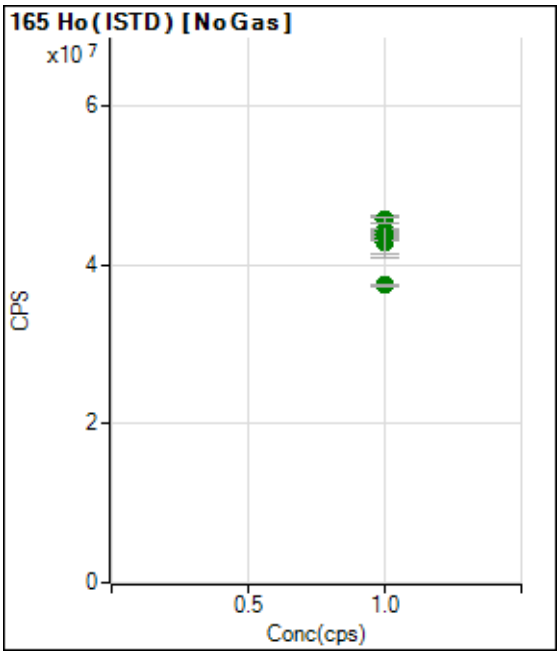


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		44324149.62		A	2.0
2	☐	1.000		43071040.19		A	7.9
3	☐	1.000		43597513.52		A	2.1
4	☐	1.000		44898669.89		A	1.7
5	☐	1.000		45215560.44		A	1.3
6	☐	1.000		44084598.23		A	10.8
7	☐	1.000		46493409.31		A	1.3
8	☐	1.000		37786276.10		A	0.5

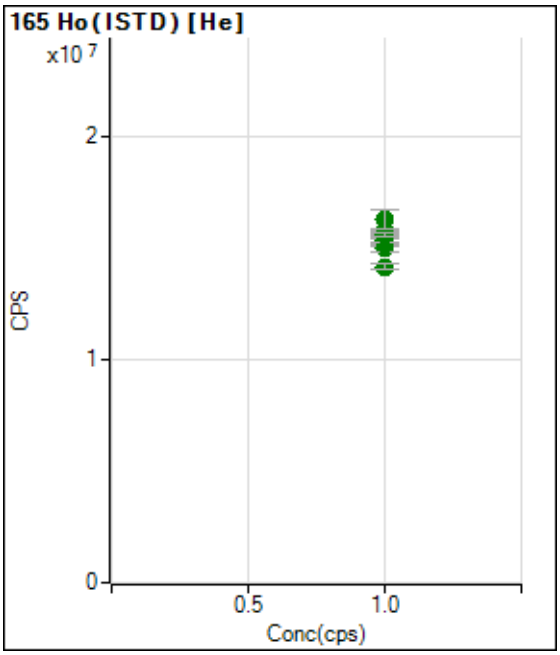


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		14819816.17		A	0.1
2	☐	1.000		14959192.42		A	1.3
3	☐	1.000		15047594.91		A	0.7
4	☐	1.000		15150193.94		A	0.3
5	☐	1.000		15454921.16		A	0.4
6	☐	1.000		15364492.82		A	1.0
7	☐	1.000		15745772.68		A	4.5
8	☐	1.000		13819952.99		A	1.2

Reviewed By:mohan
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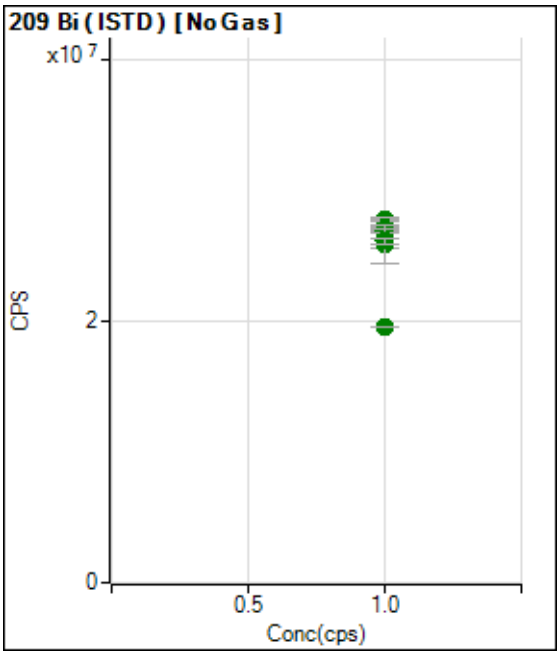


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		43572436.02		A	0.6
2	☐	1.000		42840054.92		A	8.4
3	☐	1.000		43476375.46		A	1.6
4	☐	1.000		44091853.79		A	0.5
5	☐	1.000		44370859.34		A	1.3
6	☐	1.000		43896604.62		A	10.8
7	☐	1.000		45699342.65		A	1.3
8	☐	1.000		37447376.39		A	0.4

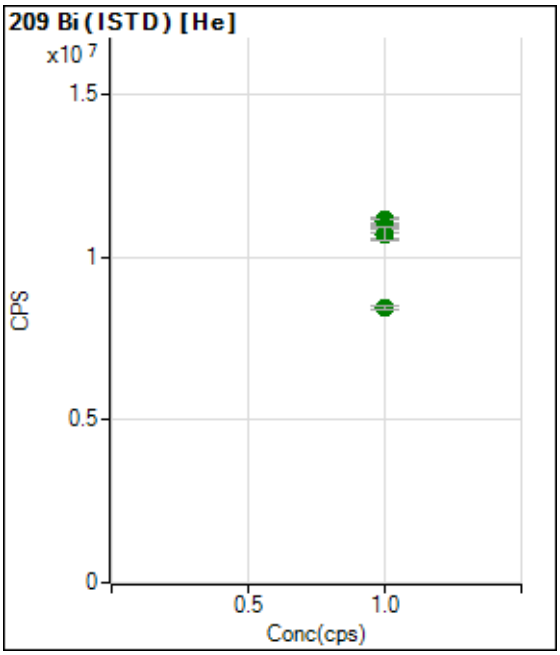


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		14967359.91		A	1.3
2	☐	1.000		15201265.74		A	0.4
3	☐	1.000		15346655.88		A	1.3
4	☐	1.000		15602678.52		A	0.5
5	☐	1.000		15804160.74		A	0.5
6	☐	1.000		15642472.41		A	1.2
7	☐	1.000		16269577.39		A	5.3
8	☐	1.000		14172464.79		A	1.4

Reviewed By:mohan
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		27711443.48		A	1.1
2	☐	1.000		26673500.16		A	8.5
3	☐	1.000		27221407.93		A	2.7
4	☐	1.000		27014254.32		A	0.6
5	☐	1.000		26872047.93		A	1.1
6	☐	1.000		25841389.06		A	11.0
7	☐	1.000		26098061.56		A	2.0
8	☐	1.000		19544447.49		A	0.4



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		11018764.14		A	0.7
2	☐	1.000		11159759.69		A	1.8
3	☐	1.000		11116611.36		A	1.6
4	☐	1.000		10935477.20		A	0.4
5	☐	1.000		10911205.53		A	0.3
6	☐	1.000		10678867.76		A	1.2
7	☐	1.000		10728461.44		A	4.1
8	☐	1.000		8467821.47		A	1.0

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8
ClientSampleId :TUNE001

US EPA Tune Check Report

Operator Name	Jaswal
Acq/Data Batch	D:\Agilent\ICPMH\1\DATA\P100824-MS.b
Acq. Date-Time	2024-10-08 09:30:13
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		17050	170495.11			1.180	5.000
24		725024	7250235.50			1.746	5.000
25		97440	974395.32			2.157	5.000
26		111834	1118335.68			1.623	5.000
59		141290	1412900.49			1.815	5.000
113		10546	105463.91			1.574	5.000
115		246618	2466184.58			2.215	5.000
206		60790	607896.78			1.150	5.000
207		49856	498559.02			1.170	5.000
208		126480	1264795.81			1.156	5.000
220		0	3.00			31.181	

Mass	RSD% (Flag)
9	
24	
25	
26	
59	
113	
115	
206	
207	
208	
220	

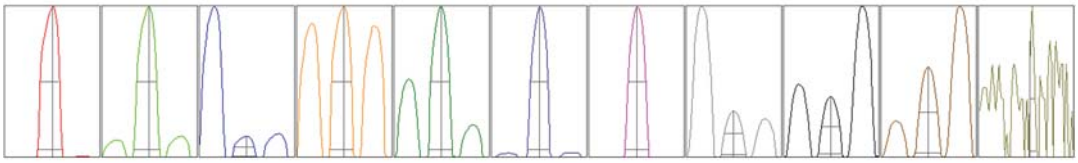
Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	17162	17097	17129	17167	16693
24	740058	733264	721138	723817	706841
25	99648	97740	98310	97516	93984
26	113560	111795	112379	112641	108792
59	143332	143700	141605	140467	137347
113	10699	10655	10541	10563	10273
115	252847	249979	246046	245871	238349
206	61114	61011	61214	61063	59546
207	50315	50288	49788	50002	48887
208	127696	126536	126913	127272	123981

US EPA Tune Check Report

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

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	30278.24	9.05	8.90 - 9.10	
24	1236034.25	24.00	23.90 - 24.10	
25	167052.02	25.00	24.90 - 25.10	
26	188541.88	26.00	25.90 - 26.10	
59	257039.22	59.00	58.90 - 59.10	
113	20565.71	113.05	112.90 - 113.10	
115	474515.70	115.05	114.90 - 115.10	
206	111059.12	206.00	205.90 - 206.10	
207	92068.37	207.00	206.90 - 207.10	
208	229170.61	208.00	207.90 - 208.10	
220	0.50	220.15	-	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.60	0.774	0.900	
24	0.63	0.820	0.900	
25	0.63	0.745	0.900	
26	0.64	0.743	0.900	
59	0.59	0.738	0.900	
113	0.55	0.688	0.900	
115	0.55	0.728	0.900	
206	0.58	0.779	0.900	
207	0.57	0.761	0.900	
208	0.57	0.811	0.900	
220	0.16	0.241		

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

US EPA Tune Check Report

RF Power	1600 W	Option Gas	---	Auxiliary Gas	0.9
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	9.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	-6.0 V	Omega Lens	9.7 V	Deflect	14.4 V
Extract 2	-170.0 V	Cell Entrance	-30 V	Plate Bias	-50 V
Omega Bias	-85 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	200 V		

QP Parameters

Mass Gain	123	Axis Gain	0.9968	QP Bias	-4.0 V
Mass Offset	126	Axis Offset	0.03		

Hardware Settings

Torch

Torch H	1.1 mm	Torch V	-1.3 mm		

EM

Discriminator	4.0 mV	Analog HV	2147 V	Pulse HV	1010 V

[He]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
59		25988	259880.89			0.691	
89		131332	1313316.23			0.380	
205		84915	849153.81			0.779	

Mass	RSD% (Flag)
59	
89	
205	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
59	25833	25799	26010	26241	26057
89	131090	130625	131685	131890	131367
205	84766	84005	85610	85516	84680

Integration Time [sec] 0.1

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.85 L/min	Dilution Gas	0.40 L/min
RF Power	1600 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	9.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	-6.0 V	Omega Lens	9.7 V	Deflect	2.8 V

US EPA Tune Check Report

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8
ClientSampleId :TUNE001

Extract 2	-170.0 V	Cell Entrance	-50 V	Plate Bias	-60
Omega Bias	-85 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	123	Axis Gain	0.9968	QP Bias	-13.0 V
Mass Offset	126	Axis Offset	0.03		

Hardware Settings

Torch

Torch H	1.1 mm	Torch V	-1.3 mm		

EM

Discriminator	4.0 mV	Analog HV	2147 V	Pulse HV	1010 V

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 10:32:15	DataFile Name :	004CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.12	0.14	-0.25	0.00	N/A	ppb
Antimony	121-1	0.00	0.00	0.00	0.00	N/A	ppb
Arsenic	75-2	0.00	0.00	0.00	0.00	N/A	ppb
Barium	135-1	-0.01	-0.01	0.01	0.00	N/A	ppb
Barium	137-1	0.00	0.00	0.00	0.00	N/A	ppb
Beryllium	9-1	0.00	0.00	0.00	0.00	N/A	ppb
Bismuth	209-1				100		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Cadmium	108-1	0.00	0.00	0.00	0.00	N/A	ppb
Cadmium	106-1	-0.70	0.31	0.39	0.00	N/A	ppb
Cadmium	111-1	-0.01	0.00	0.01	0.00	N/A	ppb
Calcium	43-1	-0.04	-0.49	0.53	0.00	N/A	ppb
Calcium	44-1	0.09	0.13	-0.22	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	0.03	-0.01	-0.02	0.00	N/A	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				100		%
Indium	115-1				100		%
Indium	115-2				100		%
Iron	54-2	0.06	-0.01	-0.04	0.00	N/A	ppb
Iron	56-2	-0.03	0.06	-0.03	0.00	N/A	ppb
Iron	57-2	-0.01	0.48	-0.46	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:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 10:32:15	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	-0.08	0.14	-0.06	0.00	N/A	ppb
Manganese	55-2	0.02	-0.01	-0.01	0.00	N/A	ppb
Molybdenum	94-1	-0.01	0.00	0.01	0.00	N/A	ppb
Molybdenum	95-1	0.00	0.00	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	0.03	-0.02	0.00	N/A	ppb
Phosphorus	31-2	-20.09	-20.06	-16.64	-18.93		ppb
Potassium	39-2	-0.40	1.23	-0.83	0.00	N/A	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	82-1	0.11	-0.11	0.00	0.00	N/A	ppb
Selenium	77-2	-0.24	0.12	0.12	0.00	N/A	ppb
Selenium	78-2	0.21	-0.31	0.11	0.00	N/A	ppb
Silicon	28-1	-0.25	0.07	0.17	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	-0.31	0.09	0.22	0.00	N/A	ppb
Strontium	86-1	-0.01	0.01	0.00	0.00	N/A	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	N/A	ppb
Sulfur	34-1	-154.19	-4.51	11.94	-48.92		ppb
Terbium	159-1				100		%
Terbium	159-2				100		%
Thallium	203-1	0.00	0.00	0.00	0.00	N/A	ppb
Thallium	205-1	0.00	0.00	0.00	0.00	N/A	ppb
Tin	118-1	-0.01	0.02	-0.01	0.00	N/A	ppb
Titanium	47-1	0.00	0.00	0.00	0.00	N/A	ppb
Uranium	238-1	0.00	0.00	0.00	0.00	N/A	ppb

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Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 10:32:15	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	-0.02	0.05	0.00	N/A	ppb
Zirconium	90-1	0.00	0.00	0.00	0.00	N/A	ppb
Zirconium	91-1	0.00	-0.01	0.01	0.00	N/A	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 10:35:33	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	21.46	20.69	19.20	20.45	5.62	ppb
Antimony	121-1	2.17	1.87	1.94	1.99	7.77	ppb
Arsenic	75-2	1.01	1.16	1.17	1.11	7.84	ppb
Barium	135-1	10.54	9.04	9.39	9.66	8.14	ppb
Barium	137-1	10.81	9.17	9.62	9.87	8.60	ppb
Beryllium	9-1	1.10	0.94	0.97	1.01	8.40	ppb
Bismuth	209-1				96		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Cadmium	108-1	1.18	0.91	0.91	1.00	15.73	ppb
Cadmium	106-1	1.20	-0.09	0.29	0.47	142.52	ppb
Cadmium	111-1	1.17	0.97	1.03	1.05	9.73	ppb
Calcium	43-1	519.02	437.47	468.74	475.07	8.66	ppb
Calcium	44-1	524.71	443.83	464.58	477.71	8.79	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.95	1.89	1.95	1.93	1.76	ppb
Cobalt	59-2	1.03	1.06	1.07	1.05	2.00	ppb
Copper	63-2	2.10	2.10	2.04	2.08	1.81	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				98		%
Holmium	165-2				102		%
Indium	115-1				97		%
Indium	115-2				102		%
Iron	54-2	53.13	53.25	53.64	53.34	0.49	ppb
Iron	56-2	52.70	51.79	52.31	52.27	0.87	ppb
Iron	57-2	55.90	53.48	52.06	53.81	3.61	ppb
Krypton	83-1						cps
Lead	206-1	1.05	0.88	0.93	0.95	9.40	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 10:35:33	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	1.08	0.89	0.95	0.97	10.16	ppb
Lead	208-1	1.07	0.89	0.95	0.97	9.34	ppb
Lithium	6-1				97		%
Magnesium	24-2	522.37	519.62	518.68	520.22	0.37	ppb
Manganese	55-2	1.14	1.17	1.07	1.13	4.68	ppb
Molybdenum	94-1	5.83	5.06	5.27	5.39	7.31	ppb
Molybdenum	95-1	4.86	4.18	4.38	4.47	7.83	ppb
Molybdenum	96-1	4.98	4.27	4.53	4.59	7.84	ppb
Molybdenum	97-1	4.97	4.18	4.36	4.50	9.30	ppb
Molybdenum	98-1	4.84	4.21	4.36	4.47	7.38	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.04	0.98	0.96	0.99	4.02	ppb
Phosphorus	31-2	28.50	10.09	18.20	18.93	48.72	ppb
Potassium	39-2	466.49	457.46	464.10	462.69	1.01	ppb
Rhodium	103-1				97		%
Rhodium	103-2				101		%
Scandium	45-1				97		%
Scandium	45-2				101		%
Selenium	82-1	6.20	4.94	5.52	5.56	11.37	ppb
Selenium	77-2	2.88	2.95	5.32	3.72	37.30	ppb
Selenium	78-2	4.50	4.09	5.13	4.57	11.45	ppb
Silicon	28-1	4.28	1.83	2.69	2.93	42.39	ppb
Silver	107-1	1.12	0.96	1.01	1.03	8.14	ppb
Silver	109-1	1.12	0.97	1.00	1.03	7.78	ppb
Sodium	23-2	496.63	493.50	490.02	493.39	0.67	ppb
Strontium	86-1	1.08	0.92	0.97	0.99	8.32	ppb
Strontium	88-1	1.06	0.91	0.94	0.97	8.19	ppb
Sulfur	34-1	520.17	-313.69	-59.73	48.92	873.74	ppb
Terbium	159-1				97		%
Terbium	159-2				101		%
Thallium	203-1	1.03	0.86	0.92	0.94	8.87	ppb
Thallium	205-1	1.05	0.89	0.93	0.96	9.07	ppb
Tin	118-1	5.44	4.64	4.79	4.96	8.55	ppb
Titanium	47-1	5.17	4.25	4.44	4.62	10.52	ppb
Uranium	238-1	1.00	0.83	0.89	0.90	9.40	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 10:35:33	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	4.88	4.73	4.90	4.83	1.89	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				97		%
Yttrium	89-2				101		%
Zinc	66-2	6.21	6.09	5.62	5.97	5.20	ppb
Zirconium	90-1	1.04	0.88	0.89	0.93	9.40	ppb
Zirconium	91-1	1.04	0.88	0.90	0.94	9.20	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 10:38:54	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1004.38	991.78	991.45	995.87	0.74	ppb
Antimony	121-1	50.97	50.09	49.86	50.31	1.16	ppb
Arsenic	75-2	52.38	53.42	52.51	52.77	1.07	ppb
Barium	135-1	269.53	265.40	253.52	262.82	3.16	ppb
Barium	137-1	269.61	263.13	263.12	265.29	1.41	ppb
Beryllium	9-1	49.01	49.45	49.82	49.42	0.82	ppb
Bismuth	209-1				98		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Cadmium	108-1	55.81	53.75	54.47	54.68	1.90	ppb
Cadmium	106-1	55.31	53.22	51.77	53.43	3.32	ppb
Cadmium	111-1	52.65	52.34	51.65	52.21	0.99	ppb
Calcium	43-1	5464.69	5550.06	5466.08	5493.61	0.89	ppb
Calcium	44-1	5473.14	5466.59	5506.38	5482.04	0.39	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	48.62	48.76	49.11	48.83	0.52	ppb
Cobalt	59-2	51.03	50.77	51.33	51.04	0.55	ppb
Copper	63-2	550.14	562.14	548.91	553.73	1.32	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				103		%
Indium	115-1				99		%
Indium	115-2				102		%
Iron	54-2	2681.07	2686.06	2694.75	2687.30	0.26	ppb
Iron	56-2	2725.15	2736.51	2737.85	2733.17	0.26	ppb
Iron	57-2	2634.81	2652.09	2624.93	2637.28	0.52	ppb
Krypton	83-1						cps
Lead	206-1	248.38	246.77	244.41	246.52	0.81	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 10:38:54	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	257.78	248.14	243.12	249.68	2.99	ppb
Lead	208-1	252.42	246.64	244.85	247.97	1.59	ppb
Lithium	6-1				100		%
Magnesium	24-2	5216.21	5125.17	5244.19	5195.19	1.20	ppb
Manganese	55-2	521.74	522.99	514.01	519.58	0.94	ppb
Molybdenum	94-1	512.15	501.28	508.16	507.20	1.08	ppb
Molybdenum	95-1	509.05	500.17	497.19	502.14	1.23	ppb
Molybdenum	96-1	510.39	502.78	497.56	503.57	1.28	ppb
Molybdenum	97-1	511.15	507.47	508.31	508.98	0.38	ppb
Molybdenum	98-1	507.55	504.46	505.78	505.93	0.31	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	51.39	51.47	51.17	51.34	0.30	ppb
Phosphorus	31-2	997.85	1042.50	997.11	1012.49	2.57	ppb
Potassium	39-2	2369.94	2369.51	2380.61	2373.35	0.26	ppb
Rhodium	103-1				99		%
Rhodium	103-2				101		%
Scandium	45-1				98		%
Scandium	45-2				102		%
Selenium	82-1	53.02	52.34	52.68	52.68	0.65	ppb
Selenium	77-2	48.89	52.00	50.91	50.60	3.12	ppb
Selenium	78-2	54.83	51.86	54.55	53.75	3.05	ppb
Silicon	28-1	54.14	53.82	53.57	53.84	0.54	ppb
Silver	107-1	58.05	57.01	55.73	56.93	2.04	ppb
Silver	109-1	56.91	56.67	54.69	56.09	2.17	ppb
Sodium	23-2	5195.99	5144.42	5200.47	5180.29	0.60	ppb
Strontium	86-1	1291.86	1253.39	1263.37	1269.54	1.57	ppb
Strontium	88-1	1274.07	1254.05	1242.22	1256.78	1.28	ppb
Sulfur	34-1	1196.13	1179.96	1067.04	1147.71	6.13	ppb
Terbium	159-1				98		%
Terbium	159-2				102		%
Thallium	203-1	48.90	47.88	47.48	48.09	1.52	ppb
Thallium	205-1	50.02	48.91	49.29	49.41	1.15	ppb
Tin	118-1	51.99	51.32	50.77	51.36	1.19	ppb
Titanium	47-1	512.12	516.81	501.01	509.98	1.59	ppb
Uranium	238-1	47.63	48.20	47.58	47.80	0.72	ppb

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On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 10:38:54	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	49.06	48.15	48.72	48.64	0.94	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				99		%
Yttrium	89-2				101		%
Zinc	66-2	518.68	521.61	521.40	520.56	0.31	ppb
Zirconium	90-1	52.00	51.65	50.06	51.23	2.01	ppb
Zirconium	91-1	48.23	47.90	47.58	47.90	0.68	ppb

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On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 10:41:55	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2448.28	2471.65	2432.75	2450.89	0.80	ppb
Antimony	121-1	126.83	127.68	127.57	127.36	0.36	ppb
Arsenic	75-2	130.24	131.18	130.51	130.64	0.37	ppb
Barium	135-1	620.19	638.17	634.64	631.00	1.51	ppb
Barium	137-1	627.31	648.77	629.72	635.27	1.85	ppb
Beryllium	9-1	119.72	121.79	123.39	121.63	1.51	ppb
Bismuth	209-1				97		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Cadmium	108-1	132.72	132.08	132.01	132.27	0.30	ppb
Cadmium	106-1	130.10	130.71	124.98	128.60	2.45	ppb
Cadmium	111-1	128.75	127.14	125.54	127.15	1.26	ppb
Calcium	43-1	14693.10	14767.42	14430.30	14630.27	1.21	ppb
Calcium	44-1	13635.36	13617.72	13446.06	13566.38	0.77	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	122.03	122.21	122.48	122.24	0.18	ppb
Cobalt	59-2	131.28	133.46	131.54	132.09	0.90	ppb
Copper	63-2	1353.60	1352.10	1354.36	1353.35	0.09	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				104		%
Indium	115-1				100		%
Indium	115-2				101		%
Iron	54-2	7022.12	7040.62	7001.03	7021.26	0.28	ppb
Iron	56-2	6831.33	6739.77	6784.04	6785.05	0.67	ppb
Iron	57-2	6589.63	6556.19	6590.90	6578.91	0.30	ppb
Krypton	83-1						cps
Lead	206-1	619.13	618.77	610.50	616.13	0.79	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 10:41:55	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	624.26	634.32	612.58	623.72	1.74	ppb
Lead	208-1	617.22	622.24	611.41	616.96	0.88	ppb
Lithium	6-1				102		%
Magnesium	24-2	12729.90	12821.68	12728.07	12759.88	0.42	ppb
Manganese	55-2	1301.56	1290.27	1286.03	1292.62	0.62	ppb
Molybdenum	94-1	1276.73	1253.38	1260.37	1263.49	0.95	ppb
Molybdenum	95-1	1279.96	1257.08	1239.24	1258.76	1.62	ppb
Molybdenum	96-1	1266.56	1257.45	1254.87	1259.62	0.49	ppb
Molybdenum	97-1	1269.16	1269.30	1264.33	1267.60	0.22	ppb
Molybdenum	98-1	1272.32	1265.82	1249.94	1262.69	0.91	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	126.61	125.80	126.58	126.33	0.36	ppb
Phosphorus	31-2	2575.94	2576.67	2557.85	2570.15	0.41	ppb
Potassium	39-2	6116.69	6260.94	6206.28	6194.64	1.18	ppb
Rhodium	103-1				98		%
Rhodium	103-2				101		%
Scandium	45-1				100		%
Scandium	45-2				103		%
Selenium	82-1	131.95	129.19	129.07	130.07	1.25	ppb
Selenium	77-2	127.75	128.68	136.44	130.96	3.64	ppb
Selenium	78-2	130.06	134.01	128.86	130.98	2.06	ppb
Silicon	28-1	133.09	131.73	132.37	132.40	0.51	ppb
Silver	107-1	136.81	137.24	134.93	136.33	0.90	ppb
Silver	109-1	137.74	135.52	133.27	135.51	1.65	ppb
Sodium	23-2	12954.96	12994.43	12716.92	12888.77	1.16	ppb
Strontium	86-1	3172.32	3112.69	3155.57	3146.86	0.98	ppb
Strontium	88-1	3187.35	3112.50	3104.16	3134.67	1.46	ppb
Sulfur	34-1	2651.71	2444.52	2361.78	2486.00	6.01	ppb
Terbium	159-1				101		%
Terbium	159-2				102		%
Thallium	203-1	122.69	125.13	123.53	123.78	1.00	ppb
Thallium	205-1	118.84	122.26	120.24	120.45	1.43	ppb
Tin	118-1	131.15	131.20	128.86	130.40	1.02	ppb
Titanium	47-1	1260.99	1273.57	1255.20	1263.25	0.74	ppb
Uranium	238-1	118.13	119.19	118.30	118.54	0.48	ppb

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Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 10:41:55	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	121.64	122.42	121.93	122.00	0.33	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				101		%
Yttrium	89-2				104		%
Zinc	66-2	1291.70	1301.83	1295.10	1296.21	0.40	ppb
Zirconium	90-1	126.83	126.06	123.64	125.51	1.33	ppb
Zirconium	91-1	125.63	125.83	124.01	125.16	0.80	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 10:44:59	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4808.63	4811.16	4808.49	4809.43	0.03	ppb
Antimony	121-1	248.33	248.81	251.44	249.53	0.67	ppb
Arsenic	75-2	262.10	255.60	257.57	258.42	1.29	ppb
Barium	135-1	1250.26	1241.93	1268.46	1253.55	1.08	ppb
Barium	137-1	1273.11	1239.46	1272.34	1261.64	1.52	ppb
Beryllium	9-1	256.41	255.73	252.60	254.91	0.80	ppb
Bismuth	209-1				97		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Cadmium	108-1	259.85	258.50	263.44	260.60	0.98	ppb
Cadmium	106-1	263.02	257.47	263.20	261.23	1.25	ppb
Cadmium	111-1	263.54	258.32	262.56	261.47	1.06	ppb
Calcium	43-1	28664.34	28496.29	29110.79	28757.14	1.10	ppb
Calcium	44-1	26874.20	26969.19	26835.74	26893.04	0.26	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	256.55	261.78	254.10	257.47	1.52	ppb
Cobalt	59-2	263.85	260.20	260.95	261.67	0.74	ppb
Copper	63-2	2651.64	2620.50	2608.13	2626.76	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				102		%
Holmium	165-2				106		%
Indium	115-1				100		%
Indium	115-2				104		%
Iron	54-2	13585.72	13692.82	13607.17	13628.57	0.42	ppb
Iron	56-2	13482.17	13417.65	13286.31	13395.37	0.75	ppb
Iron	57-2	13795.60	13512.06	13377.55	13561.74	1.57	ppb
Krypton	83-1						cps
Lead	206-1	1241.67	1229.17	1240.37	1237.07	0.56	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 10:44:59	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	1229.62	1236.06	1277.17	1247.62	2.07	ppb
Lead	208-1	1230.63	1234.90	1247.11	1237.55	0.69	ppb
Lithium	6-1				100		%
Magnesium	24-2	25357.77	25274.34	25258.51	25296.87	0.21	ppb
Manganese	55-2	2530.65	2549.86	2525.38	2535.30	0.51	ppb
Molybdenum	94-1	2458.89	2521.46	2471.40	2483.92	1.33	ppb
Molybdenum	95-1	2416.84	2473.44	2435.57	2441.95	1.18	ppb
Molybdenum	96-1	2467.87	2479.78	2468.38	2472.01	0.27	ppb
Molybdenum	97-1	2506.58	2526.80	2509.34	2514.24	0.44	ppb
Molybdenum	98-1	2447.49	2501.86	2461.06	2470.14	1.15	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	248.39	246.68	246.30	247.12	0.45	ppb
Phosphorus	31-2	4987.42	5155.41	5030.98	5057.94	1.72	ppb
Potassium	39-2	12267.25	12207.39	12071.38	12182.01	0.82	ppb
Rhodium	103-1				99		%
Rhodium	103-2				101		%
Scandium	45-1				102		%
Scandium	45-2				105		%
Selenium	82-1	257.10	258.34	253.34	256.26	1.02	ppb
Selenium	77-2	253.06	249.26	260.24	254.19	2.19	ppb
Selenium	78-2	264.53	249.68	258.75	257.66	2.91	ppb
Silicon	28-1	258.16	261.14	261.35	260.22	0.69	ppb
Silver	107-1	266.07	266.07	264.13	265.42	0.42	ppb
Silver	109-1	264.54	258.51	268.90	263.98	1.98	ppb
Sodium	23-2	25739.79	25596.67	25502.65	25613.03	0.47	ppb
Strontium	86-1	6126.33	6224.01	6254.86	6201.73	1.08	ppb
Strontium	88-1	6120.13	6208.97	6124.91	6151.33	0.81	ppb
Sulfur	34-1	5046.06	4904.89	4897.50	4949.48	1.69	ppb
Terbium	159-1				102		%
Terbium	159-2				104		%
Thallium	203-1	248.67	246.99	246.36	247.34	0.48	ppb
Thallium	205-1	245.47	244.64	248.17	246.09	0.75	ppb
Tin	118-1	254.96	252.65	254.20	253.94	0.46	ppb
Titanium	47-1	2507.98	2501.29	2467.58	2492.28	0.87	ppb
Uranium	238-1	238.43	240.79	242.93	240.71	0.93	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 10:44:59	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	250.78	250.09	248.37	249.75	0.50	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				103		%
Yttrium	89-2				106		%
Zinc	66-2	2675.07	2646.50	2629.00	2650.19	0.88	ppb
Zirconium	90-1	248.54	253.39	248.82	250.25	1.09	ppb
Zirconium	91-1	246.79	253.46	246.97	249.07	1.52	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 10:48:01	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9824.09	10072.75	9935.03	9943.95	1.25	ppb
Antimony	121-1	576.44	512.63	468.16	519.08	10.48	ppb
Arsenic	75-2	512.77	508.45	513.89	511.70	0.56	ppb
Barium	135-1	2902.06	2565.50	2333.26	2600.27	11.00	ppb
Barium	137-1	2881.01	2597.27	2323.34	2600.54	10.72	ppb
Beryllium	9-1	551.59	502.38	465.06	506.34	8.57	ppb
Bismuth	209-1				93		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Cadmium	108-1	589.48	533.48	476.18	533.05	10.63	ppb
Cadmium	106-1	595.05	523.42	479.51	532.66	10.95	ppb
Cadmium	111-1	598.93	526.73	487.44	537.70	10.52	ppb
Calcium	43-1	65871.05	57983.32	53093.84	58982.74	10.93	ppb
Calcium	44-1	62135.74	54467.02	49887.45	55496.74	11.15	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	502.19	517.37	512.36	510.64	1.52	ppb
Cobalt	59-2	510.61	514.89	511.84	512.45	0.43	ppb
Copper	63-2	5184.24	5150.72	5159.58	5164.85	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				101		%
Holmium	165-2				105		%
Indium	115-1				97		%
Indium	115-2				102		%
Iron	54-2	27108.42	27295.03	27029.71	27144.39	0.50	ppb
Iron	56-2	26696.55	26640.07	26689.10	26675.24	0.12	ppb
Iron	57-2	26895.01	26590.76	26684.19	26723.32	0.58	ppb
Krypton	83-1						cps
Lead	206-1	2838.87	2567.81	2281.99	2562.89	10.87	ppb

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 10:48:01	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	2868.36	2556.15	2290.18	2571.56	11.25	ppb
Lead	208-1	2853.17	2554.42	2286.10	2564.56	11.06	ppb
Lithium	6-1				99		%
Magnesium	24-2	49957.26	51297.76	50562.10	50605.71	1.33	ppb
Manganese	55-2	5096.66	5164.13	5078.57	5113.12	0.88	ppb
Molybdenum	94-1	5744.66	5134.95	4604.33	5161.31	11.06	ppb
Molybdenum	95-1	5722.26	5102.38	4603.23	5142.62	10.90	ppb
Molybdenum	96-1	5792.46	5133.26	4617.26	5180.99	11.37	ppb
Molybdenum	97-1	5782.67	5162.05	4660.81	5201.85	10.80	ppb
Molybdenum	98-1	5809.28	5111.64	4633.54	5184.82	11.40	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	522.07	522.71	513.34	519.37	1.01	ppb
Phosphorus	31-2	10033.84	10215.09	10241.70	10163.54	1.11	ppb
Potassium	39-2	24573.95	24480.65	24647.32	24567.31	0.34	ppb
Rhodium	103-1				95		%
Rhodium	103-2				99		%
Scandium	45-1				100		%
Scandium	45-2				104		%
Selenium	82-1	589.81	523.72	470.06	527.86	11.36	ppb
Selenium	77-2	508.93	506.78	517.68	511.13	1.13	ppb
Selenium	78-2	502.30	507.06	509.93	506.43	0.76	ppb
Silicon	28-1	592.10	517.56	470.56	526.74	11.64	ppb
Silver	107-1	591.95	526.64	478.53	532.37	10.69	ppb
Silver	109-1	600.40	526.24	479.76	535.47	11.36	ppb
Sodium	23-2	50692.55	51488.47	51649.02	51276.68	1.00	ppb
Strontium	86-1	14655.51	12749.07	11623.62	13009.40	11.78	ppb
Strontium	88-1	14321.44	12635.71	11447.40	12801.52	11.28	ppb
Sulfur	34-1	12338.36	9984.28	8872.76	10398.47	17.02	ppb
Terbium	159-1				99		%
Terbium	159-2				104		%
Thallium	203-1	554.90	506.12	452.40	504.47	10.16	ppb
Thallium	205-1	560.07	507.35	455.18	507.53	10.33	ppb
Tin	118-1	577.39	514.76	467.98	520.04	10.56	ppb
Titanium	47-1	5834.68	5078.79	4624.44	5179.30	11.80	ppb
Uranium	238-1	559.55	501.62	447.40	502.86	11.15	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 10:48:01	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	506.00	502.85	508.13	505.66	0.53	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				100		%
Yttrium	89-2				106		%
Zinc	66-2	5189.06	5047.38	5182.77	5139.74	1.56	ppb
Zirconium	90-1	569.95	508.27	457.68	511.97	10.98	ppb
Zirconium	91-1	568.73	511.95	457.13	512.60	10.89	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 10:51:05	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	20392.99	18867.67	19673.71	19644.79	3.88	ppb
Antimony	121-1	993.84	993.74	983.22	990.27	0.62	ppb
Arsenic	75-2	1037.56	947.93	988.11	991.20	4.53	ppb
Barium	135-1	4994.24	4885.83	4962.69	4947.59	1.13	ppb
Barium	137-1	5012.44	4948.04	4873.84	4944.77	1.40	ppb
Beryllium	9-1	987.61	1001.14	999.40	996.05	0.74	ppb
Bismuth	209-1				94		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Cadmium	108-1	994.33	978.95	965.77	979.68	1.46	ppb
Cadmium	106-1	988.49	984.45	967.79	980.24	1.12	ppb
Cadmium	111-1	979.65	987.13	966.93	977.90	1.04	ppb
Calcium	43-1	112462.21	110366.90	110529.35	111119.49	1.05	ppb
Calcium	44-1	106044.86	105182.22	105531.42	105586.16	0.41	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1032.42	952.77	994.45	993.22	4.01	ppb
Cobalt	59-2	1034.79	944.95	990.02	989.92	4.54	ppb
Copper	63-2	10366.12	9429.37	9815.35	9870.28	4.77	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				109		%
Indium	115-1				98		%
Indium	115-2				103		%
Iron	54-2	54940.14	50900.07	52360.22	52733.48	3.88	ppb
Iron	56-2	54303.01	49493.48	51577.88	51791.46	4.66	ppb
Iron	57-2	53563.45	50179.67	52006.17	51916.43	3.26	ppb
Krypton	83-1						cps
Lead	206-1	5028.07	5017.61	4873.54	4973.07	1.74	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 10:51:05	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	5012.10	5028.71	4854.15	4964.99	1.94	ppb
Lead	208-1	5036.46	5024.06	4855.30	4971.94	2.04	ppb
Lithium	6-1				99		%
Magnesium	24-2	103473.16	94830.93	99948.85	99417.65	4.37	ppb
Manganese	55-2	10356.95	9451.15	9976.82	9928.31	4.58	ppb
Molybdenum	94-1	9696.05	10057.06	10010.84	9921.32	1.98	ppb
Molybdenum	95-1	9630.80	10048.92	10146.29	9942.00	2.75	ppb
Molybdenum	96-1	9691.15	10077.80	9976.40	9915.12	2.02	ppb
Molybdenum	97-1	9786.89	10066.05	9825.67	9892.87	1.53	ppb
Molybdenum	98-1	9734.23	10044.63	9960.66	9913.17	1.62	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1028.94	949.31	994.15	990.80	4.03	ppb
Phosphorus	31-2	20598.43	19202.63	19881.99	19894.35	3.51	ppb
Potassium	39-2	50496.99	46222.84	48983.46	48567.76	4.46	ppb
Rhodium	103-1				96		%
Rhodium	103-2				99		%
Scandium	45-1				105		%
Scandium	45-2				108		%
Selenium	82-1	968.67	998.52	984.02	983.73	1.52	ppb
Selenium	77-2	1030.20	938.86	1008.80	992.62	4.81	ppb
Selenium	78-2	1027.89	949.68	1004.25	993.94	4.04	ppb
Silicon	28-1	995.07	979.06	974.96	983.03	1.08	ppb
Silver	107-1	982.45	992.28	959.86	978.20	1.70	ppb
Silver	109-1	979.88	978.12	973.45	977.15	0.34	ppb
Sodium	23-2	105870.14	96742.29	98896.04	100502.82	4.75	ppb
Strontium	86-1	23932.02	25162.44	25121.10	24738.52	2.82	ppb
Strontium	88-1	24545.43	25264.00	24761.28	24856.90	1.48	ppb
Sulfur	34-1	19816.05	20118.08	19489.16	19807.76	1.59	ppb
Terbium	159-1				105		%
Terbium	159-2				106		%
Thallium	203-1	1016.21	997.37	982.44	998.68	1.69	ppb
Thallium	205-1	1014.37	1004.87	974.19	997.81	2.10	ppb
Tin	118-1	989.37	986.42	988.96	988.25	0.16	ppb
Titanium	47-1	9839.10	9989.49	9901.77	9910.12	0.76	ppb
Uranium	238-1	1002.70	1013.51	989.22	1001.81	1.21	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 10:51:05	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	1045.70	967.81	979.53	997.68	4.21	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				105		%
Yttrium	89-2				110		%
Zinc	66-2	10294.95	9524.49	9837.89	9885.78	3.92	ppb
Zirconium	90-1	979.81	1000.64	1001.04	993.83	1.22	ppb
Zirconium	91-1	966.79	1002.83	1012.43	994.02	2.42	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 10:54:07	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	99844.28	101276.01	99142.04	100087.44	1.09	ppb
Antimony	121-1	0.55	0.61	0.72	0.62	14.36	ppb
Arsenic	75-2	0.69	0.66	0.57	0.64	9.99	ppb
Barium	135-1	2.04	2.00	1.95	2.00	2.38	ppb
Barium	137-1	2.07	1.98	1.92	1.99	3.96	ppb
Beryllium	9-1	0.31	0.26	0.25	0.27	11.16	ppb
Bismuth	209-1				71		%
Bismuth	209-2				77		%
Bromine	81-1						cps
Cadmium	108-1	0.71	0.54	0.55	0.60	15.99	ppb
Cadmium	106-1	-1.33	-1.28	-1.78	-1.46		ppb
Cadmium	111-1	0.21	0.23	0.18	0.21	11.90	ppb
Calcium	43-1	496750.75	500323.05	492821.61	496631.80	0.76	ppb
Calcium	44-1	495813.13	504037.34	494770.48	498206.98	1.02	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3.34	3.31	3.26	3.30	1.25	ppb
Cobalt	59-2	2.14	2.21	2.15	2.17	1.75	ppb
Copper	63-2	2.87	2.86	2.87	2.87	0.19	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				86		%
Holmium	165-2				95		%
Indium	115-1				80		%
Indium	115-2				93		%
Iron	54-2	251860.29	248276.26	247347.30	249161.28	0.96	ppb
Iron	56-2	248758.30	252481.72	247001.11	249413.71	1.12	ppb
Iron	57-2	250697.42	252189.04	245258.64	249381.70	1.46	ppb
Krypton	83-1						cps
Lead	206-1	1.23	1.21	1.19	1.21	1.95	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 10:54:07	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	1.22	1.20	1.17	1.20	2.29	ppb
Lead	208-1	1.24	1.22	1.18	1.21	2.32	ppb
Lithium	6-1				81		%
Magnesium	24-2	505149.82	499054.48	495893.45	500032.59	0.94	ppb
Manganese	55-2	4.97	5.00	4.90	4.96	1.08	ppb
Molybdenum	94-1	3.04	2.79	2.63	2.82	7.26	ppb
Molybdenum	95-1	2.34	2.18	2.24	2.25	3.61	ppb
Molybdenum	96-1	2.86	2.62	2.67	2.72	4.72	ppb
Molybdenum	97-1	2.17	2.05	2.01	2.08	3.84	ppb
Molybdenum	98-1	2.02	2.00	1.88	1.97	3.89	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	3.69	3.75	3.71	3.72	0.77	ppb
Phosphorus	31-2	-16.60	-10.53	-12.09	-13.08		ppb
Potassium	39-2	248131.37	255286.76	247626.90	250348.34	1.71	ppb
Rhodium	103-1				73		%
Rhodium	103-2				79		%
Scandium	45-1				86		%
Scandium	45-2				98		%
Selenium	82-1	0.35	0.10	0.46	0.30	61.96	ppb
Selenium	77-2	0.84	-0.24	0.82	0.48	129.53	ppb
Selenium	78-2	0.01	1.16	0.00	0.39	171.81	ppb
Silicon	28-1	9.15	8.43	7.64	8.40	9.01	ppb
Silver	107-1	0.10	0.09	0.08	0.09	13.90	ppb
Silver	109-1	0.11	0.09	0.08	0.09	15.85	ppb
Sodium	23-2	504004.55	502306.78	492877.47	499729.60	1.20	ppb
Strontium	86-1	4.09	3.59	3.60	3.76	7.62	ppb
Strontium	88-1	3.87	3.82	3.62	3.77	3.52	ppb
Sulfur	34-1	237.99	267.12	167.41	224.18	22.87	ppb
Terbium	159-1				85		%
Terbium	159-2				93		%
Thallium	203-1	0.17	0.13	0.12	0.14	18.58	ppb
Thallium	205-1	0.15	0.14	0.13	0.14	8.63	ppb
Tin	118-1	0.92	0.91	0.90	0.91	1.04	ppb
Titanium	47-1	3.53	3.71	3.65	3.63	2.55	ppb
Uranium	238-1	0.07	0.05	0.04	0.05	23.59	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 10:54:07	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.26	0.27	0.23	0.26	7.87	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				87		%
Yttrium	89-2				99		%
Zinc	66-2	3.38	3.10	3.08	3.19	5.40	ppb
Zirconium	90-1	0.55	0.51	0.50	0.52	4.70	ppb
Zirconium	91-1	0.55	0.53	0.51	0.53	3.37	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	ICV001	Instrumnet Name :	P8
Client Sample ID :	ICV001	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:15:53	DataFile Name :	012ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	456.63	462.49	473.66	464.26	1.86	ppb
Antimony	121-1	208.25	187.86	196.86	197.66	5.17	ppb
Arsenic	75-2	203.91	211.79	212.05	209.25	2.21	ppb
Barium	135-1	97.49	88.27	93.31	93.02	4.96	ppb
Barium	137-1	98.91	90.52	95.98	95.14	4.48	ppb
Beryllium	9-1	98.24	92.41	96.64	95.76	3.15	ppb
Bismuth	209-1				103		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Cadmium	108-1	80.93	73.53	78.20	77.55	4.82	ppb
Cadmium	106-1	73.36	66.89	69.49	69.91	4.65	ppb
Cadmium	111-1	104.63	94.79	101.18	100.20	4.98	ppb
Calcium	43-1	1788.36	1638.02	1732.52	1719.63	4.42	ppb
Calcium	44-1	1856.17	1714.81	1819.97	1796.98	4.09	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	94.48	97.12	97.85	96.48	1.84	ppb
Cobalt	59-2	97.96	100.89	102.82	100.56	2.43	ppb
Copper	63-2	96.32	97.95	100.74	98.34	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				103		%
Holmium	165-2				104		%
Indium	115-1				105		%
Indium	115-2				106		%
Iron	54-2	2068.25	2106.45	2169.15	2114.62	2.41	ppb
Iron	56-2	2047.10	2097.18	2131.41	2091.90	2.03	ppb
Iron	57-2	1973.98	2013.23	2066.65	2017.95	2.31	ppb
Krypton	83-1						cps
Lead	206-1	203.73	183.26	197.88	194.96	5.41	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	ICV001	Instrumnet Name :	P8
Client Sample ID :	ICV001	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:15:53	DataFile Name :	012ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	200.77	178.09	190.07	189.64	5.98	ppb
Lead	208-1	199.92	180.88	191.38	190.72	5.00	ppb
Lithium	6-1				107		%
Magnesium	24-2	1138.69	1164.53	1186.74	1163.32	2.07	ppb
Manganese	55-2	94.97	98.06	99.66	97.56	2.44	ppb
Molybdenum	94-1	0.19	0.17	0.20	0.19	7.33	ppb
Molybdenum	95-1	0.15	0.13	0.15	0.14	8.26	ppb
Molybdenum	96-1	0.19	0.16	0.18	0.17	8.50	ppb
Molybdenum	97-1	0.14	0.15	0.15	0.15	4.32	ppb
Molybdenum	98-1	0.15	0.13	0.16	0.15	11.53	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	102.59	103.74	106.37	104.23	1.86	ppb
Phosphorus	31-2	-21.09	-23.95	-15.30	-20.11		ppb
Potassium	39-2	1786.86	1816.71	1848.54	1817.37	1.70	ppb
Rhodium	103-1				105		%
Rhodium	103-2				104		%
Scandium	45-1				108		%
Scandium	45-2				106		%
Selenium	82-1	212.64	190.67	200.84	201.38	5.46	ppb
Selenium	77-2	206.44	230.37	204.26	213.69	6.78	ppb
Selenium	78-2	210.41	214.48	222.88	215.92	2.95	ppb
Silicon	28-1	0.64	-0.33	0.27	0.19	257.11	ppb
Silver	107-1	55.72	50.00	52.83	52.85	5.41	ppb
Silver	109-1	55.23	50.70	52.88	52.94	4.28	ppb
Sodium	23-2	1966.95	2015.12	2026.46	2002.84	1.58	ppb
Strontium	86-1	0.23	0.21	0.22	0.22	4.86	ppb
Strontium	88-1	0.24	0.21	0.23	0.23	6.62	ppb
Sulfur	34-1	-150.01	-516.88	-268.50	-311.79		ppb
Terbium	159-1				103		%
Terbium	159-2				104		%
Thallium	203-1	201.29	185.34	191.47	192.70	4.18	ppb
Thallium	205-1	199.10	179.64	188.46	189.07	5.15	ppb
Tin	118-1	0.05	0.06	0.05	0.05	4.08	ppb
Titanium	47-1	0.03	0.03	0.04	0.03	18.45	ppb
Uranium	238-1	0.00	0.00	0.00	0.00	32.77	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	ICV001	Instrumnet Name :	P8
Client Sample ID :	ICV001	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:15:53	DataFile Name :	012ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	90.85	93.56	95.28	93.23	2.40	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				107		%
Yttrium	89-2				106		%
Zinc	66-2	194.51	198.46	206.85	199.94	3.15	ppb
Zirconium	90-1	0.02	0.02	0.03	0.03	15.62	ppb
Zirconium	91-1	0.12	0.11	0.13	0.12	9.97	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	ICB001	Instrumnet Name :	P8
Client Sample ID :	ICB001	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:19:01	DataFile Name :	013CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.18	-0.31	-0.35	-0.28		ppb
Antimony	121-1	0.04	0.06	0.08	0.06	40.45	ppb
Arsenic	75-2	0.01	0.01	-0.01	0.01	293.46	ppb
Barium	135-1	0.03	0.02	0.03	0.03	13.50	ppb
Barium	137-1	0.02	0.02	0.01	0.02	37.06	ppb
Beryllium	9-1	0.06	0.05	0.06	0.06	5.14	ppb
Bismuth	209-1				101		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Cadmium	108-1	-0.03	0.05	0.02	0.01	316.12	ppb
Cadmium	106-1	-2.90	-2.86	-3.91	-3.22		ppb
Cadmium	111-1	-0.02	-0.03	-0.04	-0.03		ppb
Calcium	43-1	0.18	0.70	0.33	0.40	66.60	ppb
Calcium	44-1	-0.96	-0.54	-0.42	-0.64		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.00	-0.01	-0.02	-0.01		ppb
Cobalt	59-2	0.01	0.01	0.01	0.01	26.34	ppb
Copper	63-2	0.07	0.12	0.11	0.10	25.44	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				103		%
Holmium	165-2				107		%
Indium	115-1				103		%
Indium	115-2				109		%
Iron	54-2	0.00	0.23	0.35	0.19	90.72	ppb
Iron	56-2	0.03	0.03	0.05	0.04	32.91	ppb
Iron	57-2	0.16	-0.48	0.25	-0.03		ppb
Krypton	83-1						cps
Lead	206-1	0.04	0.03	0.04	0.04	11.29	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	ICB001	Instrumnet Name :	P8
Client Sample ID :	ICB001	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:19:01	DataFile Name :	013CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.04	0.04	0.04	0.04	3.39	ppb
Lead	208-1	0.04	0.04	0.04	0.04	5.27	ppb
Lithium	6-1				105		%
Magnesium	24-2	0.04	-0.07	-0.15	-0.06		ppb
Manganese	55-2	0.02	0.03	0.01	0.02	55.71	ppb
Molybdenum	94-1	0.02	0.01	0.02	0.02	39.58	ppb
Molybdenum	95-1	0.01	0.00	0.01	0.01	49.47	ppb
Molybdenum	96-1	0.01	0.01	0.01	0.01	37.88	ppb
Molybdenum	97-1	0.01	0.00	0.01	0.00	77.21	ppb
Molybdenum	98-1	0.01	0.01	0.01	0.01	26.85	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.02	-0.02	-0.03	-0.02		ppb
Phosphorus	31-2	-13.30	-14.23	-16.35	-14.63		ppb
Potassium	39-2	2.46	1.54	2.30	2.10	23.26	ppb
Rhodium	103-1				103		%
Rhodium	103-2				107		%
Scandium	45-1				103		%
Scandium	45-2				107		%
Selenium	82-1	0.10	0.05	0.02	0.06	73.37	ppb
Selenium	77-2	-0.24	-0.24	-0.24	-0.24		ppb
Selenium	78-2	0.07	-0.13	-0.32	-0.13		ppb
Silicon	28-1	-0.02	0.09	0.15	0.07	123.82	ppb
Silver	107-1	0.01	0.01	0.01	0.01	24.62	ppb
Silver	109-1	0.01	0.01	0.01	0.01	5.77	ppb
Sodium	23-2	9.73	10.07	9.57	9.79	2.57	ppb
Strontium	86-1	0.00	-0.01	0.00	0.00		ppb
Strontium	88-1	0.00	-0.01	0.00	0.00		ppb
Sulfur	34-1	-272.10	-138.03	-181.85	-197.33		ppb
Terbium	159-1				102		%
Terbium	159-2				105		%
Thallium	203-1	0.03	0.02	0.02	0.02	9.36	ppb
Thallium	205-1	0.02	0.02	0.02	0.02	11.78	ppb
Tin	118-1	-0.01	-0.01	0.00	-0.01		ppb
Titanium	47-1	-0.01	-0.01	0.00	-0.01		ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	ICB001	Instrumnet Name :	P8
Client Sample ID :	ICB001	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:19:01	DataFile Name :	013CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.00	0.00	0.00	0.00	103.07	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				104		%
Yttrium	89-2				108		%
Zinc	66-2	0.01	0.14	-0.25	-0.03		ppb
Zirconium	90-1	0.00	0.00	0.00	0.00	184.91	ppb
Zirconium	91-1	0.01	0.00	0.01	0.01	78.98	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	ICSA001	Instrumnet Name :	P8
Client Sample ID :	ICSA001	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:22:22	DataFile Name :	014ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	89372.79	79250.39	87195.42	85272.87	6.25	ppb
Antimony	121-1	1.12	1.05	1.05	1.07	3.88	ppb
Arsenic	75-2	0.46	0.32	0.36	0.38	18.30	ppb
Barium	135-1	1.42	1.34	1.24	1.33	6.79	ppb
Barium	137-1	1.45	1.34	1.35	1.38	4.34	ppb
Beryllium	9-1	0.33	0.29	0.30	0.31	6.44	ppb
Bismuth	209-1				88		%
Bismuth	209-2				95		%
Bromine	81-1						cps
Cadmium	108-1	23.22	21.61	19.89	21.57	7.72	ppb
Cadmium	106-1	-4.72	-3.98	-4.66	-4.45		ppb
Cadmium	111-1	0.92	0.74	0.91	0.86	11.65	ppb
Calcium	43-1	99296.70	88618.12	90274.86	92729.89	6.20	ppb
Calcium	44-1	99953.00	88933.58	90374.31	93086.96	6.43	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	17.89	16.12	17.74	17.25	5.68	ppb
Cobalt	59-2	1.08	1.01	1.07	1.06	3.50	ppb
Copper	63-2	7.19	6.35	7.05	6.87	6.54	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				110		%
Indium	115-1				97		%
Indium	115-2				108		%
Iron	54-2	98496.81	89494.20	97391.86	95127.62	5.16	ppb
Iron	56-2	98154.22	89293.85	96290.21	94579.43	4.94	ppb
Iron	57-2	98453.84	89462.67	96177.70	94698.07	4.94	ppb
Krypton	83-1						cps
Lead	206-1	4.73	4.32	4.30	4.45	5.44	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	ICSA001	Instrumnet Name :	P8
Client Sample ID :	ICSA001	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:22:22	DataFile Name :	014ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	4.32	4.00	3.92	4.08	5.14	ppb
Lead	208-1	4.43	4.10	4.07	4.20	4.87	ppb
Lithium	6-1				101		%
Magnesium	24-2	94810.08	86279.60	93526.51	91538.73	5.02	ppb
Manganese	55-2	7.19	6.74	6.95	6.96	3.23	ppb
Molybdenum	94-1	1537.69	1440.70	1415.35	1464.58	4.41	ppb
Molybdenum	95-1	1844.38	1752.46	1686.24	1761.02	4.51	ppb
Molybdenum	96-1	1856.01	1736.20	1679.84	1757.35	5.12	ppb
Molybdenum	97-1	1878.99	1751.63	1719.63	1783.42	4.73	ppb
Molybdenum	98-1	1878.07	1745.33	1691.69	1771.70	5.42	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	4.84	4.30	4.74	4.63	6.27	ppb
Phosphorus	31-2	99123.46	89471.50	97708.81	95434.59	5.46	ppb
Potassium	39-2	92151.74	83996.62	91649.63	89266.00	5.12	ppb
Rhodium	103-1				93		%
Rhodium	103-2				102		%
Scandium	45-1				103		%
Scandium	45-2				116		%
Selenium	82-1	0.19	0.22	0.15	0.19	19.45	ppb
Selenium	77-2	0.09	-0.24	0.08	-0.02		ppb
Selenium	78-2	0.16	-0.08	-0.04	0.01	1104.22	ppb
Silicon	28-1	9.72	8.43	8.04	8.73	10.06	ppb
Silver	107-1	0.03	0.03	0.03	0.03	8.22	ppb
Silver	109-1	0.03	0.03	0.03	0.03	2.86	ppb
Sodium	23-2	99150.36	89217.14	95871.02	94746.17	5.34	ppb
Strontium	86-1	33.31	31.25	30.51	31.69	4.59	ppb
Strontium	88-1	35.04	32.30	31.80	33.05	5.28	ppb
Sulfur	34-1	99937.11	90372.63	89100.82	93136.85	6.36	ppb
Terbium	159-1				100		%
Terbium	159-2				108		%
Thallium	203-1	0.09	0.10	0.08	0.09	7.88	ppb
Thallium	205-1	0.10	0.09	0.09	0.09	2.84	ppb
Tin	118-1	0.14	0.12	0.13	0.13	6.88	ppb
Titanium	47-1	2007.91	1836.93	1801.79	1882.21	5.86	ppb
Uranium	238-1	0.02	0.01	0.01	0.02	6.28	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	ICSA001	Instrumnet Name :	P8
Client Sample ID :	ICSA001	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:22:22	DataFile Name :	014ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.16	0.13	0.14	0.14	11.46	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				103		%
Yttrium	89-2				115		%
Zinc	66-2	10.07	9.27	9.80	9.71	4.22	ppb
Zirconium	90-1	0.02	0.02	0.02	0.02	13.26	ppb
Zirconium	91-1	0.03	0.02	0.03	0.03	17.31	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	ICSAB001	Instrumnet Name :	P8
Client Sample ID :	ICSAB001	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:25:27	DataFile Name :	015ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	86944.94	88848.33	89578.37	88457.22	1.54	ppb
Antimony	121-1	19.77	20.12	19.98	19.96	0.88	ppb
Arsenic	75-2	20.26	20.83	19.94	20.34	2.21	ppb
Barium	135-1	19.62	19.81	20.10	19.84	1.22	ppb
Barium	137-1	20.28	20.37	20.09	20.25	0.71	ppb
Beryllium	9-1	19.05	19.64	19.70	19.46	1.86	ppb
Bismuth	209-1				91		%
Bismuth	209-2				93		%
Bromine	81-1						cps
Cadmium	108-1	34.66	35.38	35.13	35.06	1.05	ppb
Cadmium	106-1	8.78	9.51	8.17	8.82	7.62	ppb
Cadmium	111-1	19.57	19.58	19.44	19.53	0.40	ppb
Calcium	43-1	91037.32	87889.49	90062.80	89663.21	1.80	ppb
Calcium	44-1	91292.82	89357.25	91518.58	90722.88	1.31	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	36.29	36.12	36.26	36.22	0.24	ppb
Cobalt	59-2	19.44	19.62	19.45	19.50	0.53	ppb
Copper	63-2	24.78	25.30	25.74	25.27	1.90	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				106		%
Indium	115-1				99		%
Indium	115-2				106		%
Iron	54-2	99115.30	99411.79	99664.38	99397.16	0.28	ppb
Iron	56-2	96869.70	99590.57	98948.66	98469.65	1.44	ppb
Iron	57-2	97104.70	98234.22	98120.85	97819.92	0.64	ppb
Krypton	83-1						cps
Lead	206-1	24.66	25.13	25.27	25.02	1.28	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	ICSAB001	Instrumnet Name :	P8
Client Sample ID :	ICSAB001	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:25:27	DataFile Name :	015ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	24.16	24.80	24.62	24.53	1.33	ppb
Lead	208-1	24.10	24.62	24.67	24.46	1.28	ppb
Lithium	6-1				103		%
Magnesium	24-2	94593.16	96480.88	96226.22	95766.75	1.07	ppb
Manganese	55-2	25.13	25.40	25.16	25.23	0.58	ppb
Molybdenum	94-1	1456.78	1494.85	1457.58	1469.74	1.48	ppb
Molybdenum	95-1	1716.25	1773.60	1748.16	1746.00	1.65	ppb
Molybdenum	96-1	1703.92	1723.43	1741.87	1723.07	1.10	ppb
Molybdenum	97-1	1742.12	1757.77	1753.38	1751.09	0.46	ppb
Molybdenum	98-1	1754.41	1787.87	1760.36	1767.55	1.01	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	22.24	22.70	22.87	22.60	1.43	ppb
Phosphorus	31-2	98527.83	100168.94	100671.22	99789.33	1.12	ppb
Potassium	39-2	91601.53	92368.79	94129.42	92699.91	1.40	ppb
Rhodium	103-1				96		%
Rhodium	103-2				99		%
Scandium	45-1				109		%
Scandium	45-2				113		%
Selenium	82-1	19.77	20.26	20.44	20.16	1.73	ppb
Selenium	77-2	25.70	24.74	19.00	23.15	15.65	ppb
Selenium	78-2	20.53	18.80	19.87	19.73	4.40	ppb
Silicon	28-1	8.82	8.58	8.82	8.74	1.61	ppb
Silver	107-1	17.80	18.00	17.66	17.82	0.95	ppb
Silver	109-1	17.88	18.06	17.98	17.97	0.51	ppb
Sodium	23-2	96167.98	97393.01	99433.40	97664.80	1.69	ppb
Strontium	86-1	30.87	31.52	31.66	31.35	1.35	ppb
Strontium	88-1	32.17	32.70	33.13	32.67	1.47	ppb
Sulfur	34-1	90549.83	90733.30	90044.00	90442.38	0.39	ppb
Terbium	159-1				102		%
Terbium	159-2				106		%
Thallium	203-1	20.51	20.80	20.90	20.73	0.97	ppb
Thallium	205-1	20.63	21.06	21.04	20.91	1.14	ppb
Tin	118-1	0.12	0.13	0.12	0.12	2.30	ppb
Titanium	47-1	1850.13	1846.50	1839.56	1845.40	0.29	ppb
Uranium	238-1	0.02	0.01	0.02	0.02	7.36	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	ICSAB001	Instrumnet Name :	P8
Client Sample ID :	ICSAB001	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:25:27	DataFile Name :	015ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	18.00	18.27	18.30	18.19	0.92	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				106		%
Yttrium	89-2				111		%
Zinc	66-2	28.56	28.73	27.93	28.41	1.48	ppb
Zirconium	90-1	0.01	0.01	0.02	0.01	25.21	ppb
Zirconium	91-1	0.03	0.02	0.03	0.03	14.68	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	CCV001	Instrumnet Name :	P8
Client Sample ID :	CCV001	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:31:52	DataFile Name :	017CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	48559.17	49300.35	49090.60	48983.38	0.78	ppb
Antimony	121-1	527.17	533.42	500.53	520.38	3.36	ppb
Arsenic	75-2	509.64	518.38	514.87	514.30	0.85	ppb
Barium	135-1	2741.55	2729.32	2534.96	2668.61	4.34	ppb
Barium	137-1	2759.34	2752.03	2595.23	2702.20	3.43	ppb
Beryllium	9-1	545.33	551.97	511.67	536.32	4.03	ppb
Bismuth	209-1				79		%
Bismuth	209-2				87		%
Bromine	81-1						cps
Cadmium	108-1	545.24	547.96	520.68	537.96	2.79	ppb
Cadmium	106-1	549.31	548.15	521.05	539.50	2.96	ppb
Cadmium	111-1	537.10	548.85	509.54	531.83	3.79	ppb
Calcium	43-1	268704.76	273752.87	241464.86	261307.49	6.65	ppb
Calcium	44-1	266939.06	273044.70	241561.81	260515.19	6.41	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	480.27	486.14	487.44	484.62	0.79	ppb
Cobalt	59-2	505.43	498.04	500.50	501.32	0.75	ppb
Copper	63-2	4697.77	4742.06	4741.57	4727.13	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				92		%
Holmium	165-2				103		%
Indium	115-1				87		%
Indium	115-2				104		%
Iron	54-2	124048.36	126923.15	124007.54	124993.02	1.34	ppb
Iron	56-2	121973.52	125351.72	124426.03	123917.09	1.41	ppb
Iron	57-2	124983.76	123985.66	123918.71	124296.04	0.48	ppb
Krypton	83-1						cps
Lead	206-1	2709.59	2728.15	2529.18	2655.64	4.14	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	CCV001	Instrumnet Name :	P8
Client Sample ID :	CCV001	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:31:52	DataFile Name :	017CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	2723.99	2741.81	2586.95	2684.25	3.16	ppb
Lead	208-1	2719.40	2738.41	2562.81	2673.54	3.60	ppb
Lithium	6-1				92		%
Magnesium	24-2	254056.17	254098.23	249676.71	252610.37	1.01	ppb
Manganese	55-2	4729.69	4870.42	4888.19	4829.43	1.80	ppb
Molybdenum	94-1	5382.27	5426.04	4966.54	5258.28	4.82	ppb
Molybdenum	95-1	5314.46	5346.70	4940.62	5200.59	4.34	ppb
Molybdenum	96-1	5396.89	5390.24	4978.61	5255.25	4.56	ppb
Molybdenum	97-1	5444.41	5366.27	4951.34	5254.01	5.04	ppb
Molybdenum	98-1	5344.07	5354.68	4985.90	5228.22	4.02	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	487.78	489.04	493.06	489.96	0.56	ppb
Phosphorus	31-2	9862.36	10010.26	9996.63	9956.41	0.82	ppb
Potassium	39-2	118392.42	121806.36	124680.60	121626.46	2.59	ppb
Rhodium	103-1				84		%
Rhodium	103-2				93		%
Scandium	45-1				98		%
Scandium	45-2				112		%
Selenium	82-1	541.75	548.48	503.12	531.12	4.61	ppb
Selenium	77-2	518.39	510.34	528.18	518.97	1.72	ppb
Selenium	78-2	508.78	525.17	510.26	514.74	1.76	ppb
Silicon	28-1	1194.18	1231.09	1081.67	1168.98	6.66	ppb
Silver	107-1	516.50	518.38	482.76	505.88	3.96	ppb
Silver	109-1	505.93	516.40	490.16	504.16	2.62	ppb
Sodium	23-2	244621.68	248995.36	251729.69	248448.91	1.44	ppb
Strontium	86-1	13395.34	13402.21	12504.59	13100.71	3.94	ppb
Strontium	88-1	13335.62	13185.21	12374.82	12965.22	3.99	ppb
Sulfur	34-1	11546.48	11985.47	10117.86	11216.60	8.71	ppb
Terbium	159-1				92		%
Terbium	159-2				102		%
Thallium	203-1	541.87	546.77	504.04	530.89	4.40	ppb
Thallium	205-1	546.17	547.85	506.60	533.54	4.38	ppb
Tin	118-1	533.70	532.52	505.88	524.03	3.00	ppb
Titanium	47-1	5412.68	5526.76	4966.18	5301.87	5.59	ppb
Uranium	238-1	556.85	554.56	517.11	542.84	4.11	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	CCV001	Instrumnet Name :	P8
Client Sample ID :	CCV001	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:31:52	DataFile Name :	017CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	497.80	502.84	485.93	495.52	1.75	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				96		%
Yttrium	89-2				110		%
Zinc	66-2	4776.84	4794.38	4876.70	4815.97	1.11	ppb
Zirconium	90-1	546.47	546.51	509.05	534.01	4.05	ppb
Zirconium	91-1	541.97	544.84	498.05	528.29	4.96	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	CCB001	Instrumnet Name :	P8
Client Sample ID :	CCB001	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:34:46	DataFile Name :	018CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.37	0.28	0.07	0.24	64.00	ppb
Antimony	121-1	0.17	0.23	0.34	0.25	34.05	ppb
Arsenic	75-2	0.01	0.01	0.03	0.02	57.21	ppb
Barium	135-1	0.12	0.10	0.12	0.11	11.98	ppb
Barium	137-1	0.14	0.12	0.12	0.13	11.30	ppb
Beryllium	9-1	0.20	0.18	0.17	0.18	10.77	ppb
Bismuth	209-1				104		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Cadmium	108-1	0.10	0.06	0.08	0.08	22.69	ppb
Cadmium	106-1	-2.39	-3.93	-2.16	-2.83		ppb
Cadmium	111-1	0.01	-0.02	0.00	0.00		ppb
Calcium	43-1	7.17	8.55	4.25	6.66	32.98	ppb
Calcium	44-1	8.17	6.67	4.17	6.34	31.88	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.01	-0.01	-0.02	-0.01		ppb
Cobalt	59-2	0.01	0.01	0.01	0.01	13.27	ppb
Copper	63-2	1.55	1.55	1.46	1.52	3.36	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				106		%
Holmium	165-2				112		%
Indium	115-1				108		%
Indium	115-2				115		%
Iron	54-2	2.06	2.21	1.77	2.01	11.04	ppb
Iron	56-2	2.18	1.45	1.30	1.64	28.65	ppb
Iron	57-2	1.55	1.73	1.78	1.69	7.31	ppb
Krypton	83-1						cps
Lead	206-1	0.16	0.16	0.12	0.15	15.52	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	CCB001	Instrumnet Name :	P8
Client Sample ID :	CCB001	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:34:46	DataFile Name :	018CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.17	0.16	0.14	0.15	8.50	ppb
Lead	208-1	0.17	0.15	0.13	0.15	12.15	ppb
Lithium	6-1				110		%
Magnesium	24-2	1.99	1.76	2.21	1.99	11.40	ppb
Manganese	55-2	0.11	0.04	0.06	0.07	47.33	ppb
Molybdenum	94-1	0.39	0.37	0.36	0.37	4.33	ppb
Molybdenum	95-1	0.27	0.29	0.24	0.27	9.65	ppb
Molybdenum	96-1	0.27	0.25	0.24	0.26	5.83	ppb
Molybdenum	97-1	0.28	0.23	0.24	0.25	11.60	ppb
Molybdenum	98-1	0.26	0.24	0.26	0.25	6.19	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.05	0.01	0.03	0.03	72.45	ppb
Phosphorus	31-2	-16.87	-21.50	-20.01	-19.46		ppb
Potassium	39-2	15.32	15.29	14.10	14.90	4.68	ppb
Rhodium	103-1				109		%
Rhodium	103-2				112		%
Scandium	45-1				112		%
Scandium	45-2				114		%
Selenium	82-1	0.27	0.03	0.26	0.18	74.29	ppb
Selenium	77-2	-0.24	-0.24	0.07	-0.14		ppb
Selenium	78-2	-0.05	-0.06	0.03	-0.03		ppb
Silicon	28-1	1.41	1.03	0.76	1.07	30.50	ppb
Silver	107-1	0.09	0.08	0.07	0.08	9.43	ppb
Silver	109-1	0.09	0.08	0.07	0.08	12.43	ppb
Sodium	23-2	38.82	37.77	35.92	37.50	3.92	ppb
Strontium	86-1	0.39	0.25	0.19	0.28	36.40	ppb
Strontium	88-1	0.31	0.26	0.18	0.25	25.64	ppb
Sulfur	34-1	-198.39	-155.53	-209.89	-187.94		ppb
Terbium	159-1				105		%
Terbium	159-2				110		%
Thallium	203-1	0.08	0.06	0.07	0.07	9.80	ppb
Thallium	205-1	0.08	0.07	0.06	0.07	10.60	ppb
Tin	118-1	0.02	0.02	0.03	0.02	15.04	ppb
Titanium	47-1	0.13	0.16	0.10	0.13	19.77	ppb
Uranium	238-1	0.01	0.01	0.01	0.01	32.77	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	CCB001	Instrumnet Name :	P8
Client Sample ID :	CCB001	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:34:46	DataFile Name :	018CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.01	0.01	0.00	0.00	13.57	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				111		%
Yttrium	89-2				116		%
Zinc	66-2	0.25	0.10	0.15	0.17	45.74	ppb
Zirconium	90-1	0.08	0.08	0.08	0.08	1.17	ppb
Zirconium	91-1	0.09	0.07	0.07	0.08	11.34	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	PB163817BL	Instrumnet Name :	P8
Client Sample ID :	PBS817	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:41:24	DataFile Name :	020CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.21	-0.07	-0.22	-0.17		ppb
Antimony	121-1	0.02	0.03	0.05	0.03	44.31	ppb
Arsenic	75-2	-0.01	0.01	-0.01	0.00		ppb
Barium	135-1	0.03	0.03	0.03	0.03	4.34	ppb
Barium	137-1	0.04	0.03	0.04	0.04	21.62	ppb
Beryllium	9-1	0.08	0.07	0.07	0.07	5.55	ppb
Bismuth	209-1				103		%
Bismuth	209-2				108		%
Bromine	81-1						cps
Cadmium	108-1	0.03	0.09	0.00	0.04	126.59	ppb
Cadmium	106-1	-3.68	-3.37	-4.17	-3.74		ppb
Cadmium	111-1	-0.04	-0.04	-0.04	-0.04		ppb
Calcium	43-1	-0.06	-0.42	0.71	0.08	742.10	ppb
Calcium	44-1	-0.32	-0.44	-0.41	-0.39		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.01	-0.02	-0.01	-0.01		ppb
Cobalt	59-2	0.01	0.01	0.01	0.01	21.68	ppb
Copper	63-2	0.85	0.86	0.84	0.85	1.37	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				111		%
Indium	115-1				108		%
Indium	115-2				113		%
Iron	54-2	0.10	0.38	-0.17	0.10	267.60	ppb
Iron	56-2	0.12	0.05	0.03	0.07	70.42	ppb
Iron	57-2	0.25	0.52	0.48	0.41	35.45	ppb
Krypton	83-1						cps
Lead	206-1	0.05	0.05	0.05	0.05	5.43	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	PB163817BL	Instrumnet Name :	P8
Client Sample ID :	PBS817	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:41:24	DataFile Name :	020CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.06	0.05	0.05	0.05	14.31	ppb
Lead	208-1	0.06	0.05	0.05	0.05	6.12	ppb
Lithium	6-1				109		%
Magnesium	24-2	-0.13	-0.11	0.32	0.03	996.11	ppb
Manganese	55-2	0.03	0.00	0.01	0.01	129.10	ppb
Molybdenum	94-1	0.04	0.04	0.05	0.04	15.52	ppb
Molybdenum	95-1	0.03	0.02	0.02	0.02	14.00	ppb
Molybdenum	96-1	0.02	0.02	0.02	0.02	11.48	ppb
Molybdenum	97-1	0.01	0.02	0.03	0.02	36.64	ppb
Molybdenum	98-1	0.02	0.02	0.02	0.02	8.36	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.03	0.06	0.06	0.05	31.52	ppb
Phosphorus	31-2	-21.86	-16.86	-25.32	-21.34		ppb
Potassium	39-2	6.96	7.34	5.48	6.59	14.94	ppb
Rhodium	103-1				108		%
Rhodium	103-2				112		%
Scandium	45-1				111		%
Scandium	45-2				113		%
Selenium	82-1	0.25	0.26	0.21	0.24	11.94	ppb
Selenium	77-2	-0.24	-0.24	-0.24	-0.24		ppb
Selenium	78-2	-0.23	-0.32	0.05	-0.17		ppb
Silicon	28-1	-0.12	-0.01	-0.01	-0.05		ppb
Silver	107-1	0.02	0.02	0.02	0.02	11.97	ppb
Silver	109-1	0.02	0.02	0.02	0.02	9.48	ppb
Sodium	23-2	20.81	20.24	20.10	20.38	1.84	ppb
Strontium	86-1	0.01	0.00	-0.01	0.00		ppb
Strontium	88-1	0.01	0.00	0.00	0.00	333.74	ppb
Sulfur	34-1	-364.52	-314.41	-321.63	-333.52		ppb
Terbium	159-1				106		%
Terbium	159-2				110		%
Thallium	203-1	0.03	0.02	0.02	0.03	13.54	ppb
Thallium	205-1	0.03	0.02	0.03	0.02	6.21	ppb
Tin	118-1	-0.01	0.00	0.00	0.00		ppb
Titanium	47-1	0.00	-0.01	0.00	0.00		ppb
Uranium	238-1	0.00	0.00	0.00	0.00	53.40	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	PB163817BL	Instrumnet Name :	P8
Client Sample ID :	PBS817	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:41:24	DataFile Name :	020CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.00	0.00	0.00	0.00	57.97	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				110		%
Yttrium	89-2				113		%
Zinc	66-2	-0.13	0.02	-0.01	-0.04		ppb
Zirconium	90-1	0.01	0.01	0.01	0.01	30.23	ppb
Zirconium	91-1	0.00	0.02	0.02	0.01	59.37	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	PB163817BS	Instrumnet Name :	P8
Client Sample ID :	LCS817	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:48:38	DataFile Name :	021LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	41.69	37.06	39.02	39.25	5.92	ppb
Antimony	121-1	3.83	3.95	3.95	3.91	1.90	ppb
Arsenic	75-2	2.46	2.20	2.27	2.31	5.79	ppb
Barium	135-1	18.39	18.66	18.90	18.65	1.38	ppb
Barium	137-1	18.77	19.38	18.85	19.00	1.74	ppb
Beryllium	9-1	1.96	1.98	1.98	1.97	0.51	ppb
Bismuth	209-1				103		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Cadmium	108-1	2.22	2.26	2.05	2.18	5.05	ppb
Cadmium	106-1	-3.33	-3.01	-4.43	-3.59		ppb
Cadmium	111-1	2.02	2.05	1.97	2.01	2.12	ppb
Calcium	43-1	892.28	887.31	869.45	883.01	1.36	ppb
Calcium	44-1	925.34	942.58	928.67	932.20	0.98	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4.74	4.19	4.13	4.36	7.75	ppb
Cobalt	59-2	2.36	2.07	2.03	2.15	8.23	ppb
Copper	63-2	5.63	4.82	4.91	5.12	8.64	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				105		%
Indium	115-1				109		%
Indium	115-2				107		%
Iron	54-2	485.54	416.33	424.16	442.01	8.57	ppb
Iron	56-2	513.82	441.16	443.55	466.18	8.85	ppb
Iron	57-2	470.42	423.82	426.47	440.24	5.95	ppb
Krypton	83-1						cps
Lead	206-1	1.85	1.92	1.93	1.90	2.31	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	PB163817BS	Instrumnet Name :	P8
Client Sample ID :	LCS817	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:48:38	DataFile Name :	021LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	1.93	1.94	1.96	1.94	0.67	ppb
Lead	208-1	1.89	1.93	1.93	1.92	1.16	ppb
Lithium	6-1				108		%
Magnesium	24-2	1199.58	1056.96	1057.88	1104.81	7.43	ppb
Manganese	55-2	2.38	2.14	2.01	2.18	8.54	ppb
Molybdenum	94-1	10.34	10.78	10.58	10.57	2.07	ppb
Molybdenum	95-1	8.60	8.84	8.92	8.79	1.92	ppb
Molybdenum	96-1	8.88	8.92	9.05	8.95	1.00	ppb
Molybdenum	97-1	8.75	8.91	9.00	8.89	1.43	ppb
Molybdenum	98-1	8.73	8.88	8.76	8.79	0.92	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.55	2.05	2.20	2.27	11.30	ppb
Phosphorus	31-2	-15.91	-17.04	-18.50	-17.15		ppb
Potassium	39-2	1084.42	945.41	956.35	995.39	7.77	ppb
Rhodium	103-1				107		%
Rhodium	103-2				106		%
Scandium	45-1				110		%
Scandium	45-2				108		%
Selenium	82-1	10.37	10.60	10.53	10.50	1.16	ppb
Selenium	77-2	10.75	13.63	10.53	11.64	14.87	ppb
Selenium	78-2	12.16	11.60	11.75	11.83	2.45	ppb
Silicon	28-1	5.68	5.93	5.43	5.68	4.39	ppb
Silver	107-1	2.01	2.05	2.06	2.04	1.30	ppb
Silver	109-1	2.01	2.06	2.08	2.05	1.86	ppb
Sodium	23-2	1185.75	1055.46	1048.85	1096.69	7.04	ppb
Strontium	86-1	1.85	1.89	1.91	1.88	1.63	ppb
Strontium	88-1	1.84	1.88	1.90	1.87	1.44	ppb
Sulfur	34-1	-268.33	-240.35	-299.83	-269.50		ppb
Terbium	159-1				107		%
Terbium	159-2				104		%
Thallium	203-1	1.82	1.86	1.86	1.85	1.19	ppb
Thallium	205-1	1.83	1.87	1.86	1.85	1.15	ppb
Tin	118-1	0.05	0.04	0.03	0.04	15.15	ppb
Titanium	47-1	8.97	9.05	8.91	8.98	0.75	ppb
Uranium	238-1	1.70	1.77	1.76	1.75	2.03	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	PB163817BS	Instrumnet Name :	P8
Client Sample ID :	LCS817	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:48:38	DataFile Name :	021LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	10.77	9.52	9.58	9.95	7.06	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				110		%
Yttrium	89-2				107		%
Zinc	66-2	11.99	10.87	10.51	11.12	6.94	ppb
Zirconium	90-1	1.87	1.91	1.89	1.89	0.96	ppb
Zirconium	91-1	1.87	1.87	1.93	1.89	2.03	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	PB163817BSD	Instrumnet Name :	P8
Client Sample ID :	LCSD817	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:51:53	DataFile Name :	022LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19.32	18.61	18.60	18.85	2.19	ppb
Antimony	121-1	1.92	1.93	1.93	1.93	0.19	ppb
Arsenic	75-2	1.05	1.00	1.22	1.09	10.43	ppb
Barium	135-1	9.36	9.27	9.08	9.24	1.55	ppb
Barium	137-1	9.29	9.48	9.45	9.41	1.13	ppb
Beryllium	9-1	0.97	0.97	1.00	0.98	1.45	ppb
Bismuth	209-1				104		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Cadmium	108-1	1.00	1.01	0.97	0.99	1.94	ppb
Cadmium	106-1	-2.70	-2.85	-3.82	-3.12		ppb
Cadmium	111-1	1.05	1.04	0.98	1.03	3.43	ppb
Calcium	43-1	426.53	421.56	446.53	431.54	3.06	ppb
Calcium	44-1	425.41	434.03	441.85	433.76	1.90	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.02	2.06	2.06	2.05	1.23	ppb
Cobalt	59-2	1.00	1.00	0.98	0.99	1.30	ppb
Copper	63-2	2.52	2.58	2.52	2.54	1.37	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				110		%
Indium	115-1				108		%
Indium	115-2				111		%
Iron	54-2	207.43	210.46	206.85	208.25	0.93	ppb
Iron	56-2	201.64	207.04	205.62	204.77	1.37	ppb
Iron	57-2	202.88	203.07	205.21	203.72	0.63	ppb
Krypton	83-1						cps
Lead	206-1	0.94	0.93	0.96	0.95	1.35	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	PB163817BSD	Instrumnet Name :	P8
Client Sample ID :	LCSD817	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:51:53	DataFile Name :	022LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.94	0.96	0.97	0.96	1.60	ppb
Lead	208-1	0.94	0.95	0.97	0.95	1.60	ppb
Lithium	6-1				108		%
Magnesium	24-2	506.86	518.66	507.34	510.96	1.31	ppb
Manganese	55-2	1.07	1.06	0.99	1.04	4.36	ppb
Molybdenum	94-1	5.04	5.14	5.27	5.15	2.20	ppb
Molybdenum	95-1	4.23	4.26	4.21	4.23	0.51	ppb
Molybdenum	96-1	4.23	4.39	4.31	4.31	1.88	ppb
Molybdenum	97-1	4.22	4.38	4.29	4.29	1.88	ppb
Molybdenum	98-1	4.21	4.27	4.34	4.27	1.44	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.00	1.07	1.06	1.05	3.65	ppb
Phosphorus	31-2	-21.06	-11.85	-17.14	-16.68		ppb
Potassium	39-2	456.35	471.39	459.03	462.26	1.74	ppb
Rhodium	103-1				109		%
Rhodium	103-2				111		%
Scandium	45-1				109		%
Scandium	45-2				112		%
Selenium	82-1	4.90	4.90	4.81	4.87	1.07	ppb
Selenium	77-2	3.18	4.82	2.62	3.54	32.28	ppb
Selenium	78-2	5.73	5.94	6.34	6.01	5.17	ppb
Silicon	28-1	2.56	2.59	2.55	2.57	0.76	ppb
Silver	107-1	1.01	1.01	1.02	1.01	0.64	ppb
Silver	109-1	1.01	1.04	1.02	1.02	1.30	ppb
Sodium	23-2	477.74	491.20	484.08	484.34	1.39	ppb
Strontium	86-1	0.93	0.93	0.92	0.93	0.52	ppb
Strontium	88-1	0.91	0.92	0.91	0.92	0.21	ppb
Sulfur	34-1	-301.45	-217.90	-156.44	-225.27		ppb
Terbium	159-1				106		%
Terbium	159-2				109		%
Thallium	203-1	0.91	0.91	0.92	0.91	0.61	ppb
Thallium	205-1	0.89	0.91	0.90	0.90	1.14	ppb
Tin	118-1	0.01	0.02	0.02	0.01	42.18	ppb
Titanium	47-1	4.25	4.40	4.44	4.36	2.38	ppb
Uranium	238-1	0.84	0.86	0.86	0.85	1.41	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	PB163817BSD	Instrumnet Name :	P8
Client Sample ID :	LCSD817	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:51:53	DataFile Name :	022LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	4.61	4.78	4.57	4.65	2.38	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				110		%
Yttrium	89-2				112		%
Zinc	66-2	5.16	5.09	5.10	5.12	0.76	ppb
Zirconium	90-1	0.90	0.93	0.93	0.92	1.73	ppb
Zirconium	91-1	0.90	0.95	0.90	0.91	3.08	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	PB163819BL	Instrumnet Name :	P8
Client Sample ID :	PBS819	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:55:13	DataFile Name :	023CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.17	-0.11	-0.15	-0.03		ppb
Antimony	121-1	0.01	0.01	0.02	0.01	40.56	ppb
Arsenic	75-2	0.01	-0.01	-0.02	-0.01		ppb
Barium	135-1	0.03	0.03	0.04	0.03	12.71	ppb
Barium	137-1	0.03	0.03	0.04	0.03	4.09	ppb
Beryllium	9-1	0.04	0.05	0.05	0.05	10.03	ppb
Bismuth	209-1				102		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Cadmium	108-1	-0.01	0.01	0.00	0.00		ppb
Cadmium	106-1	-4.27	-3.96	-4.48	-4.24		ppb
Cadmium	111-1	-0.05	-0.04	-0.05	-0.05		ppb
Calcium	43-1	-2.71	-2.59	-1.89	-2.40		ppb
Calcium	44-1	-3.15	-3.17	-2.88	-3.07		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.04	-0.04	-0.03	-0.04		ppb
Cobalt	59-2	0.00	0.01	0.00	0.00	40.91	ppb
Copper	63-2	0.40	0.43	0.31	0.38	15.97	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				109		%
Indium	115-1				107		%
Indium	115-2				111		%
Iron	54-2	0.40	0.45	-0.10	0.25	120.51	ppb
Iron	56-2	0.05	0.10	-0.11	0.01	869.46	ppb
Iron	57-2	-0.18	0.32	0.03	0.05	460.86	ppb
Krypton	83-1						cps
Lead	206-1	0.02	0.03	0.03	0.03	8.06	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	PB163819BL	Instrumnet Name :	P8
Client Sample ID :	PBS819	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:55:13	DataFile Name :	023CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.03	0.03	0.03	0.03	3.11	ppb
Lead	208-1	0.03	0.03	0.03	0.03	0.59	ppb
Lithium	6-1				105		%
Magnesium	24-2	0.30	0.54	0.05	0.29	82.56	ppb
Manganese	55-2	0.01	0.02	0.00	0.01	64.94	ppb
Molybdenum	94-1	0.02	0.02	0.03	0.02	39.90	ppb
Molybdenum	95-1	0.01	0.00	0.00	0.00	16.48	ppb
Molybdenum	96-1	0.00	0.00	0.01	0.00	93.57	ppb
Molybdenum	97-1	0.00	0.01	0.01	0.00	89.70	ppb
Molybdenum	98-1	0.00	0.00	0.01	0.00	40.20	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.03	-0.01	-0.03	-0.01		ppb
Phosphorus	31-2	-24.30	-15.51	-19.47	-19.76		ppb
Potassium	39-2	5.86	4.67	0.88	3.80	68.34	ppb
Rhodium	103-1				106		%
Rhodium	103-2				110		%
Scandium	45-1				107		%
Scandium	45-2				111		%
Selenium	82-1	-0.04	-0.02	0.01	-0.02		ppb
Selenium	77-2	0.09	-0.24	-0.24	-0.13		ppb
Selenium	78-2	0.37	-0.02	-0.16	0.06	438.27	ppb
Silicon	28-1	-0.23	-0.19	-0.20	-0.21		ppb
Silver	107-1	0.01	0.01	0.01	0.01	5.73	ppb
Silver	109-1	0.01	0.01	0.01	0.01	3.57	ppb
Sodium	23-2	8.43	8.98	4.72	7.38	31.37	ppb
Strontium	86-1	-0.01	-0.01	-0.01	-0.01		ppb
Strontium	88-1	0.00	0.00	-0.01	-0.01		ppb
Sulfur	34-1	-78.49	-135.86	-98.50	-104.28		ppb
Terbium	159-1				105		%
Terbium	159-2				109		%
Thallium	203-1	0.01	0.01	0.01	0.01	9.54	ppb
Thallium	205-1	0.01	0.02	0.01	0.01	9.29	ppb
Tin	118-1	0.04	0.02	0.03	0.03	37.40	ppb
Titanium	47-1	-0.02	0.00	-0.01	-0.01		ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	PB163819BL	Instrumnet Name :	P8
Client Sample ID :	PBS819	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:55:13	DataFile Name :	023CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.00	0.00	0.00	0.00		ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				108		%
Yttrium	89-2				111		%
Zinc	66-2	-0.02	-0.02	0.15	0.04	245.94	ppb
Zirconium	90-1	0.00	0.00	0.01	0.00	179.00	ppb
Zirconium	91-1	0.01	0.01	0.01	0.01	38.08	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	PB163819BS	Instrumnet Name :	P8
Client Sample ID :	LCS819	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:58:31	DataFile Name :	024LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	39.20	37.91	37.22	38.11	2.65	ppb
Antimony	121-1	3.91	3.92	3.82	3.89	1.39	ppb
Arsenic	75-2	1.95	2.14	2.07	2.05	4.73	ppb
Barium	135-1	18.55	18.62	18.67	18.61	0.32	ppb
Barium	137-1	19.00	19.09	18.91	19.00	0.47	ppb
Beryllium	9-1	1.93	1.97	1.98	1.96	1.34	ppb
Bismuth	209-1				103		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Cadmium	108-1	1.97	2.13	2.19	2.10	5.36	ppb
Cadmium	106-1	-3.14	-2.06	-2.05	-2.42		ppb
Cadmium	111-1	2.09	2.05	2.09	2.07	1.19	ppb
Calcium	43-1	867.73	886.35	866.81	873.63	1.26	ppb
Calcium	44-1	920.35	918.42	918.46	919.08	0.12	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4.15	4.14	4.14	4.14	0.21	ppb
Cobalt	59-2	2.04	2.05	2.06	2.05	0.40	ppb
Copper	63-2	4.64	4.58	4.55	4.59	0.96	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				109		%
Indium	115-1				108		%
Indium	115-2				111		%
Iron	54-2	423.88	418.40	420.38	420.88	0.66	ppb
Iron	56-2	437.47	437.66	437.39	437.51	0.03	ppb
Iron	57-2	417.38	408.57	411.93	412.63	1.08	ppb
Krypton	83-1						cps
Lead	206-1	1.84	1.85	1.90	1.87	1.76	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	PB163819BS	Instrumnet Name :	P8
Client Sample ID :	LCS819	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:58:31	DataFile Name :	024LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	1.89	1.93	1.91	1.91	0.83	ppb
Lead	208-1	1.87	1.87	1.90	1.88	0.70	ppb
Lithium	6-1				106		%
Magnesium	24-2	1047.99	1033.28	1037.80	1039.69	0.72	ppb
Manganese	55-2	2.12	2.00	2.07	2.06	2.83	ppb
Molybdenum	94-1	10.49	10.63	10.60	10.57	0.68	ppb
Molybdenum	95-1	8.55	8.66	8.60	8.60	0.62	ppb
Molybdenum	96-1	8.74	8.81	8.92	8.82	1.00	ppb
Molybdenum	97-1	8.67	8.81	8.89	8.79	1.22	ppb
Molybdenum	98-1	8.53	8.68	8.77	8.66	1.41	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.11	2.07	2.11	2.10	1.01	ppb
Phosphorus	31-2	-15.01	-22.79	-19.54	-19.11		ppb
Potassium	39-2	952.31	942.35	943.75	946.14	0.57	ppb
Rhodium	103-1				107		%
Rhodium	103-2				110		%
Scandium	45-1				108		%
Scandium	45-2				110		%
Selenium	82-1	9.85	10.62	10.54	10.34	4.10	ppb
Selenium	77-2	8.92	8.68	12.48	10.02	21.21	ppb
Selenium	78-2	10.22	11.35	10.01	10.53	6.82	ppb
Silicon	28-1	5.64	5.43	5.49	5.52	1.96	ppb
Silver	107-1	2.00	2.04	2.05	2.03	1.30	ppb
Silver	109-1	2.05	2.02	2.04	2.04	0.59	ppb
Sodium	23-2	1018.30	1013.48	1029.91	1020.56	0.83	ppb
Strontium	86-1	1.84	1.90	1.90	1.88	2.02	ppb
Strontium	88-1	1.82	1.83	1.86	1.84	1.17	ppb
Sulfur	34-1	-175.53	-123.19	-220.22	-172.98		ppb
Terbium	159-1				105		%
Terbium	159-2				107		%
Thallium	203-1	1.82	1.79	1.82	1.81	0.82	ppb
Thallium	205-1	1.81	1.81	1.85	1.82	1.14	ppb
Tin	118-1	0.04	0.04	0.05	0.04	16.60	ppb
Titanium	47-1	8.80	9.04	8.76	8.87	1.71	ppb
Uranium	238-1	1.74	1.72	1.74	1.73	0.77	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	PB163819BS	Instrumnet Name :	P8
Client Sample ID :	LCS819	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:58:31	DataFile Name :	024LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	9.40	9.55	9.52	9.49	0.83	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				108		%
Yttrium	89-2				111		%
Zinc	66-2	10.41	10.49	10.13	10.34	1.85	ppb
Zirconium	90-1	1.86	1.87	1.86	1.87	0.28	ppb
Zirconium	91-1	1.86	1.86	1.87	1.86	0.20	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	PB163819BSD	Instrumnet Name :	P8
Client Sample ID :	LCSD819	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:01:49	DataFile Name :	025LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19.41	22.54	17.81	19.92	12.08	ppb
Antimony	121-1	1.97	1.93	2.00	1.97	1.98	ppb
Arsenic	75-2	1.00	1.10	1.14	1.08	6.44	ppb
Barium	135-1	9.44	9.48	9.63	9.52	1.02	ppb
Barium	137-1	9.52	9.51	9.68	9.57	1.01	ppb
Beryllium	9-1	0.97	1.01	1.00	0.99	2.35	ppb
Bismuth	209-1				103		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Cadmium	108-1	1.00	0.96	0.98	0.98	1.95	ppb
Cadmium	106-1	-3.54	-3.95	-3.85	-3.78		ppb
Cadmium	111-1	1.02	0.99	1.03	1.01	2.00	ppb
Calcium	43-1	445.93	437.93	440.21	441.36	0.93	ppb
Calcium	44-1	445.77	437.78	434.11	439.22	1.36	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.07	2.42	2.05	2.18	9.50	ppb
Cobalt	59-2	1.05	1.18	0.98	1.07	9.50	ppb
Copper	63-2	2.43	2.89	2.31	2.55	12.03	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				105		%
Indium	115-1				107		%
Indium	115-2				108		%
Iron	54-2	212.91	245.83	204.85	221.20	9.82	ppb
Iron	56-2	209.56	244.52	202.44	218.84	10.29	ppb
Iron	57-2	213.52	247.59	202.01	221.04	10.72	ppb
Krypton	83-1						cps
Lead	206-1	0.97	0.96	0.98	0.97	1.22	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	PB163819BSD	Instrumnet Name :	P8
Client Sample ID :	LCSD819	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:01:49	DataFile Name :	025LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.97	0.99	0.99	0.98	0.77	ppb
Lead	208-1	0.97	0.97	0.98	0.97	0.44	ppb
Lithium	6-1				108		%
Magnesium	24-2	529.43	619.70	513.18	554.10	10.36	ppb
Manganese	55-2	1.05	1.24	0.95	1.08	13.55	ppb
Molybdenum	94-1	5.35	5.36	5.43	5.38	0.81	ppb
Molybdenum	95-1	4.38	4.36	4.38	4.37	0.27	ppb
Molybdenum	96-1	4.44	4.49	4.47	4.46	0.51	ppb
Molybdenum	97-1	4.36	4.45	4.40	4.40	1.00	ppb
Molybdenum	98-1	4.35	4.37	4.44	4.39	1.03	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.08	1.24	0.96	1.09	12.94	ppb
Phosphorus	31-2	-13.14	-22.09	-18.05	-17.76		ppb
Potassium	39-2	476.23	550.36	452.05	492.88	10.39	ppb
Rhodium	103-1				107		%
Rhodium	103-2				107		%
Scandium	45-1				110		%
Scandium	45-2				107		%
Selenium	82-1	4.85	4.91	5.78	5.18	10.07	ppb
Selenium	77-2	6.83	7.61	7.29	7.24	5.41	ppb
Selenium	78-2	5.85	6.54	4.87	5.75	14.63	ppb
Silicon	28-1	2.81	3.03	2.98	2.94	4.02	ppb
Silver	107-1	1.00	1.05	1.03	1.03	2.65	ppb
Silver	109-1	1.00	1.07	1.06	1.04	3.23	ppb
Sodium	23-2	499.15	581.20	475.55	518.63	10.69	ppb
Strontium	86-1	0.95	0.96	0.94	0.95	0.89	ppb
Strontium	88-1	0.92	0.93	0.94	0.93	0.77	ppb
Sulfur	34-1	-244.62	-352.99	-420.76	-339.46		ppb
Terbium	159-1				106		%
Terbium	159-2				105		%
Thallium	203-1	0.96	0.92	0.92	0.93	2.67	ppb
Thallium	205-1	0.95	0.92	0.92	0.93	2.15	ppb
Tin	118-1	0.00	0.01	0.00	0.00	9.26	ppb
Titanium	47-1	4.48	4.56	4.31	4.45	2.86	ppb
Uranium	238-1	0.89	0.86	0.87	0.87	1.79	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	PB163819BSD	Instrumnet Name :	P8
Client Sample ID :	LCSD819	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:01:49	DataFile Name :	025LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	4.86	5.66	4.59	5.03	11.01	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				109		%
Yttrium	89-2				107		%
Zinc	66-2	5.43	6.23	5.14	5.60	10.04	ppb
Zirconium	90-1	0.95	0.95	0.95	0.95	0.09	ppb
Zirconium	91-1	0.95	0.95	0.94	0.95	1.14	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	PB163773BL	Instrumnet Name :	P8
Client Sample ID :	PBS773	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:05:07	DataFile Name :	026CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.16	-0.05	0.04	-0.06		ppb
Antimony	121-1	0.00	0.01	0.01	0.01	51.87	ppb
Arsenic	75-2	0.01	-0.02	-0.01	0.00		ppb
Barium	135-1	0.03	0.02	0.03	0.03	23.35	ppb
Barium	137-1	0.03	0.02	0.02	0.03	13.45	ppb
Beryllium	9-1	0.03	0.03	0.03	0.03	5.48	ppb
Bismuth	209-1				104		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Cadmium	108-1	0.06	0.00	-0.03	0.01	444.04	ppb
Cadmium	106-1	-4.88	-5.14	-5.16	-5.06		ppb
Cadmium	111-1	-0.06	-0.06	-0.06	-0.06		ppb
Calcium	43-1	-2.25	-2.93	-2.18	-2.45		ppb
Calcium	44-1	-3.58	-3.77	-3.46	-3.60		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.04	-0.04	-0.04	-0.04		ppb
Cobalt	59-2	0.00	0.01	0.01	0.00	53.57	ppb
Copper	63-2	0.24	0.23	0.28	0.25	11.67	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				110		%
Indium	115-1				108		%
Indium	115-2				112		%
Iron	54-2	-0.18	-0.48	-0.31	-0.32		ppb
Iron	56-2	-0.22	-0.23	-0.16	-0.20		ppb
Iron	57-2	-0.24	-0.29	-0.46	-0.33		ppb
Krypton	83-1						cps
Lead	206-1	0.02	0.02	0.02	0.02	3.73	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	PB163773BL	Instrumnet Name :	P8
Client Sample ID :	PBS773	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:05:07	DataFile Name :	026CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.02	0.02	0.02	0.02	9.35	ppb
Lead	208-1	0.02	0.02	0.02	0.02	5.29	ppb
Lithium	6-1				106		%
Magnesium	24-2	0.22	0.30	0.22	0.25	18.34	ppb
Manganese	55-2	-0.01	-0.03	0.01	-0.01		ppb
Molybdenum	94-1	0.01	0.00	0.02	0.01	67.36	ppb
Molybdenum	95-1	0.00	0.00	0.00	0.00	1016.01	ppb
Molybdenum	96-1	0.00	0.00	0.00	0.00		ppb
Molybdenum	97-1	0.00	0.00	0.00	0.00	256.93	ppb
Molybdenum	98-1	0.00	0.00	0.00	0.00		ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.05	-0.02	-0.03	-0.03		ppb
Phosphorus	31-2	-14.59	-22.86	-16.71	-18.05		ppb
Potassium	39-2	1.82	1.84	2.34	2.00	14.76	ppb
Rhodium	103-1				108		%
Rhodium	103-2				111		%
Scandium	45-1				108		%
Scandium	45-2				111		%
Selenium	82-1	0.00	0.13	0.10	0.07	84.90	ppb
Selenium	77-2	-0.24	-0.24	0.08	-0.13		ppb
Selenium	78-2	0.33	0.32	-0.14	0.17	154.80	ppb
Silicon	28-1	-0.53	-0.73	-0.39	-0.55		ppb
Silver	107-1	0.01	0.01	0.01	0.01	27.42	ppb
Silver	109-1	0.01	0.01	0.01	0.01	17.44	ppb
Sodium	23-2	3.79	3.86	3.75	3.80	1.44	ppb
Strontium	86-1	-0.01	-0.01	-0.01	-0.01		ppb
Strontium	88-1	0.00	-0.01	-0.01	-0.01		ppb
Sulfur	34-1	-344.45	-429.44	-304.76	-359.55		ppb
Terbium	159-1				107		%
Terbium	159-2				109		%
Thallium	203-1	0.01	0.01	0.01	0.01	9.45	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	4.97	ppb
Tin	118-1	0.01	0.01	0.01	0.01	3.73	ppb
Titanium	47-1	-0.01	-0.01	-0.01	-0.01		ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	PB163773BL	Instrumnet Name :	P8
Client Sample ID :	PBS773	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:05:07	DataFile Name :	026CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.00	0.00	0.00	0.00		ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				109		%
Yttrium	89-2				112		%
Zinc	66-2	-0.03	0.02	0.09	0.03	216.67	ppb
Zirconium	90-1	0.00	0.00	0.00	0.00		ppb
Zirconium	91-1	0.01	0.00	0.01	0.01	29.57	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	PB163773BS	Instrumnet Name :	P8
Client Sample ID :	LCS773	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:08:27	DataFile Name :	027LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	37.66	38.04	36.87	37.52	1.60	ppb
Antimony	121-1	3.83	3.94	3.92	3.90	1.57	ppb
Arsenic	75-2	2.28	2.20	2.15	2.21	3.13	ppb
Barium	135-1	18.39	19.16	19.08	18.88	2.24	ppb
Barium	137-1	18.72	19.26	19.12	19.03	1.48	ppb
Beryllium	9-1	1.93	1.91	1.97	1.94	1.42	ppb
Bismuth	209-1				104		%
Bismuth	209-2				108		%
Bromine	81-1						cps
Cadmium	108-1	2.24	2.24	2.21	2.23	0.81	ppb
Cadmium	106-1	-3.71	-3.15	-3.57	-3.48		ppb
Cadmium	111-1	1.92	2.11	2.01	2.01	4.79	ppb
Calcium	43-1	875.83	880.09	885.07	880.33	0.53	ppb
Calcium	44-1	934.97	939.66	937.21	937.28	0.25	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4.17	4.15	4.22	4.18	0.81	ppb
Cobalt	59-2	2.01	2.02	2.02	2.02	0.39	ppb
Copper	63-2	4.47	4.48	4.48	4.47	0.07	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				111		%
Indium	115-1				108		%
Indium	115-2				112		%
Iron	54-2	420.91	416.10	415.14	417.38	0.74	ppb
Iron	56-2	439.01	438.37	430.90	436.09	1.03	ppb
Iron	57-2	417.21	415.93	417.66	416.93	0.21	ppb
Krypton	83-1						cps
Lead	206-1	1.91	1.89	1.94	1.91	1.49	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	PB163773BS	Instrumnet Name :	P8
Client Sample ID :	LCS773	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:08:27	DataFile Name :	027LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	1.92	1.95	1.96	1.94	1.00	ppb
Lead	208-1	1.91	1.91	1.92	1.91	0.45	ppb
Lithium	6-1				108		%
Magnesium	24-2	1044.02	1048.13	1041.98	1044.71	0.30	ppb
Manganese	55-2	1.92	2.05	1.97	1.98	3.42	ppb
Molybdenum	94-1	10.56	10.54	10.70	10.60	0.83	ppb
Molybdenum	95-1	8.61	8.68	8.73	8.67	0.66	ppb
Molybdenum	96-1	8.83	8.87	8.97	8.89	0.84	ppb
Molybdenum	97-1	8.80	8.81	8.96	8.86	1.01	ppb
Molybdenum	98-1	8.71	8.70	8.78	8.73	0.49	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.04	2.07	2.03	2.05	0.90	ppb
Phosphorus	31-2	-21.93	-19.90	-18.58	-20.14		ppb
Potassium	39-2	924.41	944.20	929.71	932.77	1.10	ppb
Rhodium	103-1				109		%
Rhodium	103-2				111		%
Scandium	45-1				109		%
Scandium	45-2				112		%
Selenium	82-1	9.48	10.12	10.70	10.10	6.02	ppb
Selenium	77-2	12.24	7.04	11.60	10.29	27.57	ppb
Selenium	78-2	10.08	10.90	9.32	10.10	7.79	ppb
Silicon	28-1	5.69	5.32	5.38	5.47	3.65	ppb
Silver	107-1	1.99	2.06	2.07	2.04	2.26	ppb
Silver	109-1	1.99	2.09	2.07	2.05	2.61	ppb
Sodium	23-2	1031.60	1031.23	1013.77	1025.53	0.99	ppb
Strontium	86-1	1.85	1.96	1.92	1.91	2.96	ppb
Strontium	88-1	1.85	1.85	1.88	1.86	0.88	ppb
Sulfur	34-1	-376.40	-356.54	-340.47	-357.80		ppb
Terbium	159-1				107		%
Terbium	159-2				109		%
Thallium	203-1	1.82	1.86	1.85	1.84	1.32	ppb
Thallium	205-1	1.86	1.84	1.84	1.85	0.54	ppb
Tin	118-1	0.04	0.05	0.05	0.05	10.31	ppb
Titanium	47-1	8.95	9.04	9.09	9.03	0.78	ppb
Uranium	238-1	1.77	1.75	1.77	1.76	0.64	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	PB163773BS	Instrumnet Name :	P8
Client Sample ID :	LCS773	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:08:27	DataFile Name :	027LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	9.50	9.53	9.54	9.52	0.24	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				110		%
Yttrium	89-2				111		%
Zinc	66-2	10.11	10.53	10.29	10.31	2.05	ppb
Zirconium	90-1	1.88	1.90	1.88	1.89	0.53	ppb
Zirconium	91-1	1.83	1.85	1.88	1.85	1.34	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	PB163773BSD	Instrumnet Name :	P8
Client Sample ID :	LCSD773	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:11:42	DataFile Name :	028LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	22.48	19.22	19.51	20.40	8.85	ppb
Antimony	121-1	1.91	1.91	1.91	1.91	0.25	ppb
Arsenic	75-2	1.05	1.11	1.00	1.06	5.14	ppb
Barium	135-1	9.00	9.11	9.43	9.18	2.44	ppb
Barium	137-1	9.27	9.39	9.47	9.38	1.11	ppb
Beryllium	9-1	0.95	0.97	1.00	0.97	2.27	ppb
Bismuth	209-1				102		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Cadmium	108-1	0.99	1.04	0.97	1.00	3.66	ppb
Cadmium	106-1	-4.06	-4.22	-4.91	-4.40		ppb
Cadmium	111-1	1.00	0.97	0.97	0.98	1.65	ppb
Calcium	43-1	424.36	428.25	440.96	431.19	2.01	ppb
Calcium	44-1	432.35	434.43	443.35	436.71	1.34	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.34	2.07	2.04	2.15	7.49	ppb
Cobalt	59-2	1.14	1.02	1.04	1.07	6.16	ppb
Copper	63-2	2.80	2.44	2.43	2.55	8.33	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				105		%
Indium	115-1				107		%
Indium	115-2				108		%
Iron	54-2	233.55	213.28	209.19	218.67	5.97	ppb
Iron	56-2	233.32	207.05	207.22	215.86	7.00	ppb
Iron	57-2	227.51	207.70	201.92	212.38	6.32	ppb
Krypton	83-1						cps
Lead	206-1	0.92	0.95	1.02	0.96	5.03	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	PB163773BSD	Instrumnet Name :	P8
Client Sample ID :	LCSD773	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:11:42	DataFile Name :	028LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.97	0.95	1.00	0.98	2.58	ppb
Lead	208-1	0.95	0.94	1.00	0.96	3.26	ppb
Lithium	6-1				106		%
Magnesium	24-2	576.76	521.71	516.06	538.18	6.23	ppb
Manganese	55-2	1.16	1.11	1.04	1.10	5.73	ppb
Molybdenum	94-1	5.10	5.30	5.46	5.29	3.34	ppb
Molybdenum	95-1	4.21	4.29	4.48	4.33	3.19	ppb
Molybdenum	96-1	4.33	4.41	4.58	4.44	2.81	ppb
Molybdenum	97-1	4.33	4.38	4.58	4.43	2.96	ppb
Molybdenum	98-1	4.21	4.28	4.48	4.33	3.23	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.15	0.99	0.99	1.04	8.65	ppb
Phosphorus	31-2	-13.48	-19.49	-24.57	-19.18		ppb
Potassium	39-2	518.22	460.73	462.07	480.34	6.83	ppb
Rhodium	103-1				106		%
Rhodium	103-2				105		%
Scandium	45-1				108		%
Scandium	45-2				107		%
Selenium	82-1	5.13	5.34	5.27	5.25	2.04	ppb
Selenium	77-2	6.12	4.83	5.00	5.31	13.17	ppb
Selenium	78-2	6.47	6.13	6.25	6.29	2.69	ppb
Silicon	28-1	2.98	2.35	3.43	2.92	18.59	ppb
Silver	107-1	0.99	1.00	1.02	1.01	1.59	ppb
Silver	109-1	0.98	1.03	1.03	1.01	3.06	ppb
Sodium	23-2	540.99	485.67	481.01	502.56	6.64	ppb
Strontium	86-1	0.90	0.95	0.96	0.94	3.53	ppb
Strontium	88-1	0.93	0.92	0.96	0.94	1.86	ppb
Sulfur	34-1	-394.52	-360.07	-219.21	-324.60		ppb
Terbium	159-1				106		%
Terbium	159-2				104		%
Thallium	203-1	0.91	0.89	0.94	0.91	2.39	ppb
Thallium	205-1	0.92	0.90	0.95	0.92	2.68	ppb
Tin	118-1	-0.01	-0.01	0.01	0.00		ppb
Titanium	47-1	4.33	4.36	4.55	4.41	2.72	ppb
Uranium	238-1	0.86	0.86	0.90	0.87	2.56	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	PB163773BSD	Instrumnet Name :	P8
Client Sample ID :	LCSD773	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:11:42	DataFile Name :	028LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	5.11	4.69	4.69	4.83	5.00	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				107		%
Yttrium	89-2				107		%
Zinc	66-2	5.66	5.18	5.59	5.48	4.72	ppb
Zirconium	90-1	0.92	0.92	0.96	0.93	2.76	ppb
Zirconium	91-1	0.90	0.91	0.99	0.93	5.22	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-01	Instrumnet Name :	P8
Client Sample ID :	MYD5X4	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:15:02	DataFile Name :	029AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	29314.58	29289.88	29169.51	29257.99	0.27	ppb
Antimony	121-1	0.45	0.47	0.49	0.47	4.37	ppb
Arsenic	75-2	35.93	35.76	36.03	35.91	0.38	ppb
Barium	135-1	353.56	350.69	360.78	355.01	1.46	ppb
Barium	137-1	350.54	344.42	354.60	349.85	1.46	ppb
Beryllium	9-1	1.30	1.33	1.32	1.32	1.38	ppb
Bismuth	209-1				102		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Cadmium	108-1	1.30	1.27	1.21	1.26	3.78	ppb
Cadmium	106-1	-1.05	-1.01	-0.45	-0.83		ppb
Cadmium	111-1	0.50	0.53	0.52	0.51	3.52	ppb
Calcium	43-1	12086.11	12005.01	12519.09	12203.40	2.26	ppb
Calcium	44-1	11897.59	12066.41	12170.93	12044.98	1.15	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	32.70	32.85	32.94	32.83	0.37	ppb
Cobalt	59-2	27.50	27.55	27.49	27.51	0.12	ppb
Copper	63-2	80.05	79.14	79.28	79.49	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				108		%
Holmium	165-2				111		%
Indium	115-1				106		%
Indium	115-2				110		%
Iron	54-2	58788.47	58848.35	59139.25	58925.36	0.32	ppb
Iron	56-2	59398.86	58436.85	59204.07	59013.26	0.86	ppb
Iron	57-2	58751.05	58612.84	58407.85	58590.58	0.29	ppb
Krypton	83-1						cps
Lead	206-1	46.10	44.14	46.23	45.49	2.58	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-01	Instrumnet Name :	P8
Client Sample ID :	MYD5X4	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:15:02	DataFile Name :	029AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	46.29	45.93	47.24	46.49	1.45	ppb
Lead	208-1	46.47	46.18	46.74	46.46	0.60	ppb
Lithium	6-1				109		%
Magnesium	24-2	12956.04	12881.01	12722.74	12853.26	0.93	ppb
Manganese	55-2	1475.22	1474.95	1482.21	1477.46	0.28	ppb
Molybdenum	94-1	7.47	7.45	7.58	7.50	0.90	ppb
Molybdenum	95-1	0.49	0.49	0.51	0.50	1.69	ppb
Molybdenum	96-1	1.38	1.38	1.42	1.39	1.80	ppb
Molybdenum	97-1	0.51	0.52	0.48	0.50	3.85	ppb
Molybdenum	98-1	0.49	0.47	0.48	0.48	1.84	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	32.14	32.48	32.52	32.38	0.65	ppb
Phosphorus	31-2	1545.93	1568.98	1577.62	1564.18	1.05	ppb
Potassium	39-2	5489.27	5456.53	5459.09	5468.29	0.33	ppb
Rhodium	103-1				105		%
Rhodium	103-2				109		%
Scandium	45-1				113		%
Scandium	45-2				117		%
Selenium	82-1	1.15	1.03	1.53	1.24	21.33	ppb
Selenium	77-2	35.78	48.51	44.36	42.88	15.13	ppb
Selenium	78-2	8.74	9.66	11.00	9.80	11.60	ppb
Silicon	28-1	2243.50	2251.56	2293.51	2262.86	1.19	ppb
Silver	107-1	0.31	0.28	0.28	0.29	5.07	ppb
Silver	109-1	0.31	0.29	0.28	0.29	4.17	ppb
Sodium	23-2	656.72	658.30	660.52	658.51	0.29	ppb
Strontium	86-1	73.58	73.37	74.76	73.90	1.01	ppb
Strontium	88-1	76.31	76.82	76.58	76.57	0.33	ppb
Sulfur	34-1	-214.36	-148.31	-102.13	-154.93		ppb
Terbium	159-1				106		%
Terbium	159-2				109		%
Thallium	203-1	0.35	0.35	0.37	0.36	2.70	ppb
Thallium	205-1	0.36	0.35	0.37	0.36	3.16	ppb
Tin	118-1	2.69	2.61	2.78	2.70	3.14	ppb
Titanium	47-1	561.33	558.17	570.33	563.28	1.12	ppb
Uranium	238-1	0.75	0.73	0.75	0.74	1.28	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-01	Instrumnet Name :	P8
Client Sample ID :	MYD5X4	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:15:02	DataFile Name :	029AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	93.52	93.23	93.34	93.36	0.16	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				116		%
Yttrium	89-2				118		%
Zinc	66-2	183.22	180.33	182.13	181.89	0.80	ppb
Zirconium	90-1	4.00	4.02	4.09	4.04	1.15	ppb
Zirconium	91-1	3.98	3.99	4.05	4.01	0.95	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-02	Instrumnet Name :	P8
Client Sample ID :	MYD5X5	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:18:08	DataFile Name :	030AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	29953.34	30070.92	30306.45	30110.24	0.60	ppb
Antimony	121-1	0.72	0.82	0.77	0.77	6.37	ppb
Arsenic	75-2	70.10	70.68	70.75	70.51	0.50	ppb
Barium	135-1	333.82	363.93	362.17	353.30	4.78	ppb
Barium	137-1	338.11	374.05	359.45	357.20	5.06	ppb
Beryllium	9-1	1.24	1.37	1.30	1.30	4.86	ppb
Bismuth	209-1				104		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Cadmium	108-1	2.09	2.41	2.38	2.29	7.70	ppb
Cadmium	106-1	0.52	0.71	-0.20	0.34	140.56	ppb
Cadmium	111-1	1.34	1.46	1.39	1.40	4.63	ppb
Calcium	43-1	29290.11	31853.49	30883.88	30675.83	4.22	ppb
Calcium	44-1	28652.59	31779.18	31333.86	30588.54	5.53	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	41.19	41.41	41.78	41.46	0.72	ppb
Cobalt	59-2	28.02	27.83	27.60	27.82	0.76	ppb
Copper	63-2	120.60	121.91	120.84	121.12	0.58	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				111		%
Holmium	165-2				110		%
Indium	115-1				110		%
Indium	115-2				109		%
Iron	54-2	58982.89	58772.53	58865.91	58873.78	0.18	ppb
Iron	56-2	58390.08	58154.04	58502.08	58348.73	0.30	ppb
Iron	57-2	58875.55	57960.80	57565.60	58133.98	1.16	ppb
Krypton	83-1						cps
Lead	206-1	93.86	103.14	106.53	101.17	6.48	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-02	Instrumnet Name :	P8
Client Sample ID :	MYD5X5	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:18:08	DataFile Name :	030AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	98.54	107.98	109.61	105.38	5.67	ppb
Lead	208-1	95.96	105.43	106.11	102.50	5.54	ppb
Lithium	6-1				112		%
Magnesium	24-2	17382.86	17226.17	17657.96	17422.33	1.25	ppb
Manganese	55-2	1635.02	1645.85	1672.23	1651.03	1.16	ppb
Molybdenum	94-1	10.14	11.30	11.24	10.89	6.01	ppb
Molybdenum	95-1	0.48	0.54	0.52	0.51	5.30	ppb
Molybdenum	96-1	1.64	1.79	1.82	1.75	5.43	ppb
Molybdenum	97-1	0.51	0.54	0.54	0.53	3.78	ppb
Molybdenum	98-1	0.49	0.53	0.53	0.52	4.40	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	44.99	44.68	45.00	44.89	0.40	ppb
Phosphorus	31-2	3222.31	3277.34	3250.61	3250.09	0.85	ppb
Potassium	39-2	8825.53	8629.74	8616.34	8690.54	1.35	ppb
Rhodium	103-1				109		%
Rhodium	103-2				107		%
Scandium	45-1				119		%
Scandium	45-2				117		%
Selenium	82-1	1.36	0.94	1.60	1.30	25.47	ppb
Selenium	77-2	42.99	43.44	47.45	44.63	5.51	ppb
Selenium	78-2	8.25	12.76	12.36	11.12	22.45	ppb
Silicon	28-1	2036.30	2237.75	2228.68	2167.58	5.25	ppb
Silver	107-1	0.54	0.58	0.58	0.57	3.82	ppb
Silver	109-1	0.54	0.59	0.59	0.57	5.56	ppb
Sodium	23-2	203.98	205.65	203.55	204.39	0.54	ppb
Strontium	86-1	83.70	91.70	92.25	89.22	5.36	ppb
Strontium	88-1	87.03	94.66	92.73	91.47	4.34	ppb
Sulfur	34-1	782.63	1301.41	1148.49	1077.51	24.74	ppb
Terbium	159-1				110		%
Terbium	159-2				109		%
Thallium	203-1	0.30	0.35	0.34	0.33	6.50	ppb
Thallium	205-1	0.31	0.35	0.35	0.33	7.02	ppb
Tin	118-1	7.29	8.16	7.97	7.81	5.91	ppb
Titanium	47-1	445.18	494.16	494.13	477.82	5.92	ppb
Uranium	238-1	0.59	0.65	0.66	0.63	5.55	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-02	Instrumnet Name :	P8
Client Sample ID :	MYD5X5	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:18:08	DataFile Name :	030AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	86.76	87.47	86.94	87.05	0.42	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	397.13	401.64	396.77	398.51	0.68	ppb
Zirconium	90-1	5.61	6.20	6.23	6.02	5.83	ppb
Zirconium	91-1	5.52	6.14	6.08	5.91	5.79	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-03	Instrumnet Name :	P8
Client Sample ID :	MYD5X6	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:21:14	DataFile Name :	031AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	31049.65	31810.73	31397.81	31419.40	1.21	ppb
Antimony	121-1	1.11	1.12	1.14	1.12	1.48	ppb
Arsenic	75-2	94.46	94.40	95.46	94.77	0.63	ppb
Barium	135-1	350.21	358.04	354.52	354.26	1.11	ppb
Barium	137-1	352.69	357.26	361.10	357.02	1.18	ppb
Beryllium	9-1	1.29	1.30	1.32	1.30	1.24	ppb
Bismuth	209-1				99		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Cadmium	108-1	3.28	3.28	3.53	3.36	4.35	ppb
Cadmium	106-1	1.72	0.79	0.86	1.12	46.26	ppb
Cadmium	111-1	2.23	2.22	2.32	2.26	2.37	ppb
Calcium	43-1	90329.34	89234.62	89730.44	89764.80	0.61	ppb
Calcium	44-1	90870.58	92329.77	90951.08	91383.81	0.90	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	45.50	46.15	45.65	45.77	0.74	ppb
Cobalt	59-2	31.24	31.72	31.61	31.52	0.81	ppb
Copper	63-2	92.33	93.82	92.97	93.04	0.81	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				109		%
Indium	115-1				107		%
Indium	115-2				107		%
Iron	54-2	65407.41	66852.24	66420.73	66226.79	1.12	ppb
Iron	56-2	66123.55	66412.02	66687.99	66407.85	0.43	ppb
Iron	57-2	66114.38	66496.42	65140.99	65917.26	1.06	ppb
Krypton	83-1						cps
Lead	206-1	170.86	174.43	172.08	172.45	1.05	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-03	Instrumnet Name :	P8
Client Sample ID :	MYD5X6	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:21:14	DataFile Name :	031AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	182.22	186.33	188.96	185.84	1.83	ppb
Lead	208-1	173.99	178.66	178.24	176.97	1.46	ppb
Lithium	6-1				110		%
Magnesium	24-2	18910.20	19206.89	18860.83	18992.64	0.99	ppb
Manganese	55-2	1775.91	1806.29	1798.08	1793.43	0.88	ppb
Molybdenum	94-1	14.25	14.39	14.66	14.43	1.43	ppb
Molybdenum	95-1	0.64	0.66	0.64	0.65	2.20	ppb
Molybdenum	96-1	2.19	2.26	2.21	2.22	1.46	ppb
Molybdenum	97-1	0.60	0.65	0.62	0.62	3.61	ppb
Molybdenum	98-1	0.62	0.63	0.63	0.63	1.36	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	48.61	49.77	49.60	49.32	1.27	ppb
Phosphorus	31-2	2278.34	2334.61	2349.30	2320.75	1.61	ppb
Potassium	39-2	5168.16	5159.56	5106.56	5144.76	0.65	ppb
Rhodium	103-1				103		%
Rhodium	103-2				105		%
Scandium	45-1				115		%
Scandium	45-2				115		%
Selenium	82-1	1.26	1.30	1.53	1.37	10.68	ppb
Selenium	77-2	44.23	46.01	51.68	47.31	8.22	ppb
Selenium	78-2	11.05	11.68	12.16	11.63	4.80	ppb
Silicon	28-1	1962.72	1959.80	1932.64	1951.72	0.85	ppb
Silver	107-1	0.81	0.83	0.83	0.82	1.42	ppb
Silver	109-1	0.82	0.83	0.82	0.82	0.22	ppb
Sodium	23-2	171.97	173.23	173.28	172.83	0.43	ppb
Strontium	86-1	102.01	104.36	103.91	103.43	1.21	ppb
Strontium	88-1	106.12	106.97	106.50	106.53	0.40	ppb
Sulfur	34-1	1443.61	1567.48	1605.51	1538.87	5.50	ppb
Terbium	159-1				107		%
Terbium	159-2				107		%
Thallium	203-1	0.31	0.32	0.32	0.32	1.32	ppb
Thallium	205-1	0.31	0.32	0.31	0.31	1.05	ppb
Tin	118-1	3.58	3.50	3.56	3.55	1.13	ppb
Titanium	47-1	597.41	601.84	600.93	600.06	0.39	ppb
Uranium	238-1	0.69	0.71	0.71	0.70	1.34	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-03	Instrumnet Name :	P8
Client Sample ID :	MYD5X6	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:21:14	DataFile Name :	031AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	106.42	107.39	108.03	107.28	0.75	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	768.03	776.70	772.90	772.54	0.56	ppb
Zirconium	90-1	7.87	7.94	7.91	7.91	0.40	ppb
Zirconium	91-1	7.77	7.89	7.91	7.85	0.97	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-04	Instrumnet Name :	P8
Client Sample ID :	MYD5X7	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:24:23	DataFile Name :	032AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	26276.26	26107.53	25987.03	26123.61	0.56	ppb
Antimony	121-1	0.63	0.72	0.65	0.67	7.41	ppb
Arsenic	75-2	51.99	50.87	50.84	51.23	1.27	ppb
Barium	135-1	331.90	381.38	355.70	356.33	6.94	ppb
Barium	137-1	336.50	370.94	356.77	354.74	4.88	ppb
Beryllium	9-1	1.17	1.30	1.21	1.23	5.27	ppb
Bismuth	209-1				96		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Cadmium	108-1	2.14	2.21	1.95	2.10	6.36	ppb
Cadmium	106-1	-0.12	-0.37	-1.13	-0.54		ppb
Cadmium	111-1	0.95	1.13	1.08	1.06	8.75	ppb
Calcium	43-1	22442.43	25713.36	24056.40	24070.73	6.79	ppb
Calcium	44-1	22659.48	25849.50	24205.97	24238.31	6.58	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	36.49	36.29	36.90	36.56	0.86	ppb
Cobalt	59-2	24.67	24.50	24.80	24.66	0.60	ppb
Copper	63-2	79.97	80.06	81.10	80.38	0.78	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				110		%
Indium	115-1				101		%
Indium	115-2				109		%
Iron	54-2	53645.42	52397.15	52977.77	53006.78	1.18	ppb
Iron	56-2	53009.43	52644.85	53566.42	53073.56	0.87	ppb
Iron	57-2	52778.58	52114.07	52232.37	52375.01	0.68	ppb
Krypton	83-1						cps
Lead	206-1	80.15	93.17	85.35	86.22	7.60	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-04	Instrumnet Name :	P8
Client Sample ID :	MYD5X7	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:24:23	DataFile Name :	032AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	84.07	98.78	87.50	90.12	8.55	ppb
Lead	208-1	82.07	94.83	85.44	87.44	7.56	ppb
Lithium	6-1				105		%
Magnesium	24-2	13999.59	14034.67	14071.62	14035.29	0.26	ppb
Manganese	55-2	1444.70	1392.61	1424.66	1420.66	1.85	ppb
Molybdenum	94-1	10.21	12.00	11.02	11.07	8.09	ppb
Molybdenum	95-1	0.54	0.60	0.57	0.57	5.73	ppb
Molybdenum	96-1	1.71	1.94	1.85	1.83	6.23	ppb
Molybdenum	97-1	0.53	0.62	0.58	0.58	8.05	ppb
Molybdenum	98-1	0.52	0.60	0.59	0.57	7.45	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	37.89	37.56	37.91	37.78	0.52	ppb
Phosphorus	31-2	2337.18	2314.76	2369.68	2340.54	1.18	ppb
Potassium	39-2	5798.40	5840.56	5864.10	5834.35	0.57	ppb
Rhodium	103-1				100		%
Rhodium	103-2				108		%
Scandium	45-1				108		%
Scandium	45-2				114		%
Selenium	82-1	1.21	1.50	1.17	1.29	13.82	ppb
Selenium	77-2	42.69	41.89	45.82	43.46	4.78	ppb
Selenium	78-2	10.46	10.54	12.22	11.07	8.95	ppb
Silicon	28-1	2091.95	2385.04	2268.81	2248.60	6.56	ppb
Silver	107-1	0.42	0.46	0.44	0.44	4.43	ppb
Silver	109-1	0.41	0.47	0.43	0.44	7.31	ppb
Sodium	23-2	155.09	154.79	156.94	155.61	0.75	ppb
Strontium	86-1	65.42	76.35	71.76	71.18	7.71	ppb
Strontium	88-1	68.28	78.95	72.89	73.37	7.29	ppb
Sulfur	34-1	218.36	938.69	554.37	570.48	63.18	ppb
Terbium	159-1				101		%
Terbium	159-2				108		%
Thallium	203-1	0.27	0.31	0.28	0.28	7.26	ppb
Thallium	205-1	0.27	0.31	0.28	0.28	7.67	ppb
Tin	118-1	2.96	3.37	3.12	3.15	6.48	ppb
Titanium	47-1	455.34	528.36	479.67	487.79	7.62	ppb
Uranium	238-1	0.65	0.74	0.69	0.69	6.12	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-04	Instrumnet Name :	P8
Client Sample ID :	MYD5X7	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:24:23	DataFile Name :	032AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	79.70	79.96	80.61	80.09	0.59	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				111		%
Yttrium	89-2				117		%
Zinc	66-2	299.32	298.66	302.84	300.27	0.75	ppb
Zirconium	90-1	5.68	6.56	6.20	6.15	7.17	ppb
Zirconium	91-1	5.62	6.50	6.08	6.07	7.27	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-05	Instrumnet Name :	P8
Client Sample ID :	MYD5X8	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:27:30	DataFile Name :	033AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	35624.64	35538.80	35676.42	35613.29	0.20	ppb
Antimony	121-1	0.34	0.32	0.32	0.33	3.24	ppb
Arsenic	75-2	30.85	30.69	30.45	30.66	0.66	ppb
Barium	135-1	404.98	403.26	398.67	402.30	0.81	ppb
Barium	137-1	404.37	397.84	402.20	401.47	0.83	ppb
Beryllium	9-1	1.41	1.42	1.38	1.40	1.48	ppb
Bismuth	209-1				99		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Cadmium	108-1	1.64	1.68	1.66	1.66	1.18	ppb
Cadmium	106-1	-0.57	-0.96	-1.64	-1.06		ppb
Cadmium	111-1	0.25	0.23	0.25	0.24	5.32	ppb
Calcium	43-1	80413.90	79060.46	81910.96	80461.78	1.77	ppb
Calcium	44-1	82403.91	79971.27	80731.96	81035.71	1.54	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	48.32	47.98	48.35	48.22	0.43	ppb
Cobalt	59-2	31.44	31.60	31.86	31.63	0.68	ppb
Copper	63-2	67.83	67.95	68.53	68.10	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				107		%
Holmium	165-2				107		%
Indium	115-1				105		%
Indium	115-2				105		%
Iron	54-2	67228.92	66558.06	69238.28	67675.09	2.06	ppb
Iron	56-2	67115.48	66628.02	67892.62	67212.04	0.95	ppb
Iron	57-2	66534.23	66971.47	68270.25	67258.65	1.34	ppb
Krypton	83-1						cps
Lead	206-1	21.70	21.11	21.11	21.31	1.59	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-05	Instrumnet Name :	P8
Client Sample ID :	MYD5X8	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:27:30	DataFile Name :	033AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	20.81	20.61	20.25	20.56	1.38	ppb
Lead	208-1	20.97	20.70	20.39	20.69	1.42	ppb
Lithium	6-1				108		%
Magnesium	24-2	21244.09	21743.03	21552.71	21513.27	1.17	ppb
Manganese	55-2	1599.26	1589.05	1619.76	1602.69	0.98	ppb
Molybdenum	94-1	14.41	14.13	14.30	14.28	1.02	ppb
Molybdenum	95-1	0.44	0.44	0.43	0.44	1.96	ppb
Molybdenum	96-1	2.07	2.09	2.13	2.10	1.45	ppb
Molybdenum	97-1	0.45	0.44	0.45	0.45	1.03	ppb
Molybdenum	98-1	0.43	0.43	0.44	0.43	0.84	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	46.97	47.52	47.75	47.41	0.85	ppb
Phosphorus	31-2	2386.24	2369.42	2449.98	2401.88	1.77	ppb
Potassium	39-2	4662.14	4653.11	4712.24	4675.83	0.68	ppb
Rhodium	103-1				103		%
Rhodium	103-2				103		%
Scandium	45-1				112		%
Scandium	45-2				113		%
Selenium	82-1	0.89	0.87	0.86	0.87	1.62	ppb
Selenium	77-2	51.28	49.86	45.54	48.90	6.12	ppb
Selenium	78-2	12.20	10.78	14.00	12.33	13.09	ppb
Silicon	28-1	2132.97	2079.61	2109.16	2107.25	1.27	ppb
Silver	107-1	0.11	0.10	0.10	0.10	2.75	ppb
Silver	109-1	0.10	0.09	0.09	0.09	3.56	ppb
Sodium	23-2	220.90	221.26	224.27	222.14	0.83	ppb
Strontium	86-1	190.73	186.07	184.42	187.07	1.75	ppb
Strontium	88-1	187.11	182.95	181.51	183.86	1.58	ppb
Sulfur	34-1	-418.33	-548.86	-483.87	-483.68		ppb
Terbium	159-1				106		%
Terbium	159-2				106		%
Thallium	203-1	0.28	0.28	0.29	0.28	1.43	ppb
Thallium	205-1	0.28	0.28	0.28	0.28	1.38	ppb
Tin	118-1	2.39	2.37	2.39	2.38	0.32	ppb
Titanium	47-1	576.70	569.51	572.55	572.92	0.63	ppb
Uranium	238-1	0.93	0.90	0.89	0.91	2.45	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-05	Instrumnet Name :	P8
Client Sample ID :	MYD5X8	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:27:30	DataFile Name :	033AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	115.45	115.68	116.09	115.74	0.28	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				116		%
Yttrium	89-2				117		%
Zinc	66-2	152.04	151.56	153.91	152.50	0.81	ppb
Zirconium	90-1	8.07	7.90	7.92	7.97	1.19	ppb
Zirconium	91-1	7.87	7.73	7.76	7.78	0.93	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-06	Instrumnet Name :	P8
Client Sample ID :	MYD5X9	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:30:37	DataFile Name :	034AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	25709.82	25911.70	25846.99	25822.84	0.40	ppb
Antimony	121-1	0.78	0.80	0.81	0.79	1.63	ppb
Arsenic	75-2	51.86	52.50	52.23	52.19	0.61	ppb
Barium	135-1	266.62	273.63	271.14	270.46	1.31	ppb
Barium	137-1	268.66	276.35	269.62	271.54	1.54	ppb
Beryllium	9-1	1.00	1.02	1.01	1.01	0.79	ppb
Bismuth	209-1				102		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Cadmium	108-1	2.01	2.11	2.18	2.10	4.09	ppb
Cadmium	106-1	-1.17	-1.77	-2.93	-1.96		ppb
Cadmium	111-1	1.23	1.33	1.23	1.26	4.48	ppb
Calcium	43-1	52185.13	54363.91	53316.07	53288.37	2.04	ppb
Calcium	44-1	53085.59	54944.51	53668.31	53899.47	1.76	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	36.28	36.53	36.71	36.51	0.59	ppb
Cobalt	59-2	24.22	24.16	24.09	24.16	0.27	ppb
Copper	63-2	110.10	109.36	110.76	110.07	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				109		%
Holmium	165-2				108		%
Indium	115-1				108		%
Indium	115-2				107		%
Iron	54-2	48689.00	48886.07	48742.60	48772.56	0.21	ppb
Iron	56-2	48516.60	48192.67	47950.37	48219.88	0.59	ppb
Iron	57-2	48517.15	48339.61	48162.29	48339.68	0.37	ppb
Krypton	83-1						cps
Lead	206-1	102.60	107.67	107.04	105.77	2.61	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-06	Instrumnet Name :	P8
Client Sample ID :	MYD5X9	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:30:37	DataFile Name :	034AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	109.08	111.52	114.61	111.74	2.48	ppb
Lead	208-1	104.66	108.07	108.62	107.12	2.00	ppb
Lithium	6-1				109		%
Magnesium	24-2	15836.28	16037.29	15817.97	15897.18	0.77	ppb
Manganese	55-2	1385.32	1390.09	1395.13	1390.18	0.35	ppb
Molybdenum	94-1	9.18	9.72	9.73	9.54	3.28	ppb
Molybdenum	95-1	0.43	0.45	0.44	0.44	3.20	ppb
Molybdenum	96-1	1.50	1.55	1.52	1.52	1.82	ppb
Molybdenum	97-1	0.44	0.46	0.47	0.46	2.65	ppb
Molybdenum	98-1	0.43	0.46	0.46	0.45	3.39	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	39.55	38.56	38.92	39.01	1.28	ppb
Phosphorus	31-2	2796.15	2814.98	2859.45	2823.52	1.15	ppb
Potassium	39-2	7945.24	7936.67	7837.09	7906.33	0.76	ppb
Rhodium	103-1				105		%
Rhodium	103-2				106		%
Scandium	45-1				113		%
Scandium	45-2				111		%
Selenium	82-1	1.06	1.29	1.43	1.26	15.02	ppb
Selenium	77-2	41.18	41.28	38.43	40.30	4.01	ppb
Selenium	78-2	9.40	10.04	11.28	10.24	9.38	ppb
Silicon	28-1	2373.17	2472.81	2447.21	2431.06	2.13	ppb
Silver	107-1	0.55	0.56	0.56	0.56	1.37	ppb
Silver	109-1	0.53	0.57	0.57	0.55	3.75	ppb
Sodium	23-2	153.40	152.28	153.94	153.21	0.55	ppb
Strontium	86-1	74.80	78.50	77.89	77.06	2.58	ppb
Strontium	88-1	76.68	81.12	79.52	79.10	2.84	ppb
Sulfur	34-1	982.46	1141.50	1061.46	1061.81	7.49	ppb
Terbium	159-1				110		%
Terbium	159-2				107		%
Thallium	203-1	0.24	0.24	0.24	0.24	0.34	ppb
Thallium	205-1	0.24	0.25	0.25	0.24	1.96	ppb
Tin	118-1	2.43	2.57	2.49	2.50	2.94	ppb
Titanium	47-1	373.59	382.72	384.98	380.43	1.58	ppb
Uranium	238-1	0.53	0.54	0.55	0.54	1.93	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-06	Instrumnet Name :	P8
Client Sample ID :	MYD5X9	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:30:37	DataFile Name :	034AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	73.27	72.91	73.30	73.16	0.30	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				117		%
Yttrium	89-2				116		%
Zinc	66-2	369.33	372.19	371.76	371.09	0.42	ppb
Zirconium	90-1	5.06	5.28	5.36	5.23	3.00	ppb
Zirconium	91-1	4.99	5.35	5.28	5.20	3.71	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-07	Instrumnet Name :	P8
Client Sample ID :	MYD5Y0	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:33:43	DataFile Name :	035AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	24065.87	23839.71	23686.33	23863.97	0.80	ppb
Antimony	121-1	0.80	0.57	0.64	0.67	17.73	ppb
Arsenic	75-2	46.86	46.68	46.73	46.76	0.19	ppb
Barium	135-1	356.14	257.35	274.26	295.92	17.85	ppb
Barium	137-1	352.49	259.79	273.16	295.15	16.98	ppb
Beryllium	9-1	1.25	0.96	1.00	1.07	14.36	ppb
Bismuth	209-1				94		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Cadmium	108-1	2.27	1.55	1.79	1.87	19.44	ppb
Cadmium	106-1	-1.03	-1.91	-2.07	-1.67		ppb
Cadmium	111-1	0.73	0.52	0.56	0.61	18.65	ppb
Calcium	43-1	86286.64	63831.58	67271.20	72463.14	16.69	ppb
Calcium	44-1	87292.29	64682.24	66939.79	72971.44	17.07	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	37.59	36.92	37.46	37.33	0.95	ppb
Cobalt	59-2	26.29	25.82	26.32	26.14	1.07	ppb
Copper	63-2	79.45	79.13	81.19	79.93	1.39	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				101		%
Holmium	165-2				108		%
Indium	115-1				98		%
Indium	115-2				106		%
Iron	54-2	57101.14	56877.97	57573.09	57184.06	0.62	ppb
Iron	56-2	57365.42	57473.60	57294.45	57377.82	0.16	ppb
Iron	57-2	56452.76	56200.27	58059.61	56904.21	1.77	ppb
Krypton	83-1						cps
Lead	206-1	57.87	43.31	42.86	48.01	17.78	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-07	Instrumnet Name :	P8
Client Sample ID :	MYD5Y0	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:33:43	DataFile Name :	035AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	58.36	43.53	43.74	48.54	17.53	ppb
Lead	208-1	58.82	43.59	43.96	48.79	17.81	ppb
Lithium	6-1				100		%
Magnesium	24-2	14814.83	14904.95	14828.10	14849.30	0.33	ppb
Manganese	55-2	1425.39	1433.71	1378.73	1412.61	2.10	ppb
Molybdenum	94-1	15.27	11.44	11.72	12.81	16.66	ppb
Molybdenum	95-1	0.77	0.59	0.61	0.66	14.81	ppb
Molybdenum	96-1	2.52	1.89	1.90	2.10	17.21	ppb
Molybdenum	97-1	0.80	0.61	0.60	0.67	17.29	ppb
Molybdenum	98-1	0.80	0.58	0.59	0.66	18.33	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	39.47	39.23	40.02	39.57	1.01	ppb
Phosphorus	31-2	2566.47	2608.38	2610.91	2595.25	0.96	ppb
Potassium	39-2	3900.30	3868.07	3979.30	3915.89	1.46	ppb
Rhodium	103-1				97		%
Rhodium	103-2				105		%
Scandium	45-1				105		%
Scandium	45-2				109		%
Selenium	82-1	1.52	1.20	0.96	1.23	23.09	ppb
Selenium	77-2	44.52	41.95	40.88	42.45	4.40	ppb
Selenium	78-2	10.59	10.02	9.71	10.11	4.42	ppb
Silicon	28-1	2807.24	2091.48	2236.03	2378.25	15.91	ppb
Silver	107-1	0.27	0.19	0.20	0.22	19.12	ppb
Silver	109-1	0.26	0.20	0.21	0.22	15.32	ppb
Sodium	23-2	261.91	261.40	272.67	265.33	2.40	ppb
Strontium	86-1	101.98	76.73	77.89	85.53	16.67	ppb
Strontium	88-1	105.80	78.36	80.96	88.37	17.14	ppb
Sulfur	34-1	1270.44	-183.62	67.04	384.62	202.10	ppb
Terbium	159-1				101		%
Terbium	159-2				106		%
Thallium	203-1	0.32	0.24	0.23	0.26	17.94	ppb
Thallium	205-1	0.32	0.24	0.24	0.27	17.48	ppb
Tin	118-1	6.45	4.75	5.23	5.48	16.03	ppb
Titanium	47-1	846.41	643.97	665.58	718.66	15.47	ppb
Uranium	238-1	0.87	0.64	0.64	0.72	18.07	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-07	Instrumnet Name :	P8
Client Sample ID :	MYD5Y0	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:33:43	DataFile Name :	035AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	92.47	91.99	93.21	92.56	0.67	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				109		%
Yttrium	89-2				113		%
Zinc	66-2	196.01	196.28	198.99	197.09	0.84	ppb
Zirconium	90-1	8.35	6.27	6.43	7.02	16.55	ppb
Zirconium	91-1	8.31	6.31	6.27	6.96	16.69	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-08	Instrumnet Name :	P8
Client Sample ID :	MYD5Y1	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:36:49	DataFile Name :	036AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	30095.24	30134.91	29760.16	29996.77	0.69	ppb
Antimony	121-1	0.85	0.86	0.86	0.86	0.76	ppb
Arsenic	75-2	73.33	73.00	71.93	72.75	1.00	ppb
Barium	135-1	336.12	339.80	338.73	338.22	0.56	ppb
Barium	137-1	335.70	345.49	335.06	338.75	1.73	ppb
Beryllium	9-1	1.22	1.24	1.22	1.23	0.83	ppb
Bismuth	209-1				101		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Cadmium	108-1	2.60	2.52	2.46	2.53	2.83	ppb
Cadmium	106-1	-0.51	-1.63	-1.18	-1.11		ppb
Cadmium	111-1	1.46	1.50	1.44	1.47	1.94	ppb
Calcium	43-1	57610.16	56704.65	58564.42	57626.41	1.61	ppb
Calcium	44-1	57628.98	57390.46	59269.44	58096.29	1.76	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	44.01	43.59	43.56	43.72	0.58	ppb
Cobalt	59-2	29.60	29.79	29.42	29.61	0.62	ppb
Copper	63-2	132.31	131.44	130.35	131.37	0.75	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				108		%
Indium	115-1				105		%
Indium	115-2				104		%
Iron	54-2	56509.05	56678.21	56649.35	56612.20	0.16	ppb
Iron	56-2	56778.06	56779.44	56029.94	56529.15	0.76	ppb
Iron	57-2	56403.02	56580.81	56082.03	56355.29	0.45	ppb
Krypton	83-1						cps
Lead	206-1	115.83	115.76	117.04	116.21	0.62	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-08	Instrumnet Name :	P8
Client Sample ID :	MYD5Y1	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:36:49	DataFile Name :	036AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	121.59	124.64	124.48	123.57	1.39	ppb
Lead	208-1	117.12	118.40	120.28	118.60	1.34	ppb
Lithium	6-1				107		%
Magnesium	24-2	18500.73	18434.67	18288.38	18407.93	0.59	ppb
Manganese	55-2	1587.18	1572.69	1563.21	1574.36	0.77	ppb
Molybdenum	94-1	12.16	12.12	12.33	12.20	0.93	ppb
Molybdenum	95-1	0.52	0.54	0.55	0.54	2.64	ppb
Molybdenum	96-1	1.93	1.95	1.89	1.92	1.37	ppb
Molybdenum	97-1	0.55	0.51	0.60	0.55	7.53	ppb
Molybdenum	98-1	0.53	0.53	0.54	0.54	0.42	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	46.37	45.98	46.18	46.17	0.43	ppb
Phosphorus	31-2	3138.25	3139.02	3089.92	3122.39	0.90	ppb
Potassium	39-2	9257.05	9325.41	9224.75	9269.07	0.55	ppb
Rhodium	103-1				104		%
Rhodium	103-2				104		%
Scandium	45-1				111		%
Scandium	45-2				108		%
Selenium	82-1	1.62	1.72	1.93	1.75	8.89	ppb
Selenium	77-2	39.68	45.68	53.65	46.34	15.13	ppb
Selenium	78-2	11.66	9.44	9.77	10.29	11.66	ppb
Silicon	28-1	2366.33	2335.57	2385.57	2362.49	1.07	ppb
Silver	107-1	0.64	0.64	0.64	0.64	0.19	ppb
Silver	109-1	0.65	0.66	0.65	0.65	1.29	ppb
Sodium	23-2	168.10	167.14	166.17	167.14	0.58	ppb
Strontium	86-1	98.37	98.45	98.66	98.49	0.15	ppb
Strontium	88-1	103.89	101.94	103.04	102.96	0.95	ppb
Sulfur	34-1	1674.96	1656.52	1704.59	1678.69	1.44	ppb
Terbium	159-1				108		%
Terbium	159-2				106		%
Thallium	203-1	0.28	0.27	0.28	0.28	2.04	ppb
Thallium	205-1	0.27	0.28	0.28	0.28	1.25	ppb
Tin	118-1	2.72	2.77	2.70	2.73	1.36	ppb
Titanium	47-1	433.37	431.04	442.91	435.77	1.44	ppb
Uranium	238-1	0.61	0.61	0.64	0.62	2.58	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-08	Instrumnet Name :	P8
Client Sample ID :	MYD5Y1	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:36:49	DataFile Name :	036AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	86.31	85.83	85.20	85.78	0.65	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				115		%
Yttrium	89-2				113		%
Zinc	66-2	425.69	421.19	417.77	421.55	0.94	ppb
Zirconium	90-1	6.61	6.62	6.65	6.63	0.31	ppb
Zirconium	91-1	6.59	6.65	6.68	6.64	0.65	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-09	Instrumnet Name :	P8
Client Sample ID :	MYD5Y2	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:39:54	DataFile Name :	037AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	29101.64	28482.21	29039.09	28874.31	1.18	ppb
Antimony	121-1	0.69	0.68	0.75	0.71	5.64	ppb
Arsenic	75-2	48.58	48.33	47.43	48.11	1.26	ppb
Barium	135-1	343.83	338.76	365.91	349.50	4.13	ppb
Barium	137-1	339.43	345.86	370.45	351.91	4.65	ppb
Beryllium	9-1	1.22	1.17	1.30	1.23	5.44	ppb
Bismuth	209-1				96		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Cadmium	108-1	1.94	1.99	2.05	1.99	2.54	ppb
Cadmium	106-1	-1.38	-1.55	-1.63	-1.52		ppb
Cadmium	111-1	0.94	0.97	1.05	0.99	5.90	ppb
Calcium	43-1	58634.41	58034.13	65451.54	60706.69	6.79	ppb
Calcium	44-1	60138.59	58294.24	64529.75	60987.53	5.25	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	37.77	37.93	38.12	37.94	0.46	ppb
Cobalt	59-2	28.32	28.05	28.59	28.32	0.95	ppb
Copper	63-2	80.70	79.84	80.91	80.49	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				104		%
Holmium	165-2				106		%
Indium	115-1				101		%
Indium	115-2				103		%
Iron	54-2	55496.54	54991.68	55577.82	55355.35	0.57	ppb
Iron	56-2	55546.60	54873.97	55029.00	55149.86	0.64	ppb
Iron	57-2	55668.41	55075.84	56374.97	55706.41	1.17	ppb
Krypton	83-1						cps
Lead	206-1	112.94	112.35	123.11	116.13	5.21	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-09	Instrumnet Name :	P8
Client Sample ID :	MYD5Y2	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:39:54	DataFile Name :	037AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	119.19	120.66	129.39	123.08	4.48	ppb
Lead	208-1	114.58	113.17	124.72	117.49	5.36	ppb
Lithium	6-1				103		%
Magnesium	24-2	17114.00	16786.13	17183.29	17027.81	1.25	ppb
Manganese	55-2	1488.12	1466.48	1451.53	1468.71	1.25	ppb
Molybdenum	94-1	12.09	11.33	12.38	11.93	4.53	ppb
Molybdenum	95-1	0.56	0.53	0.60	0.56	5.69	ppb
Molybdenum	96-1	1.82	1.85	2.01	1.89	5.42	ppb
Molybdenum	97-1	0.56	0.55	0.59	0.57	3.96	ppb
Molybdenum	98-1	0.54	0.52	0.57	0.54	4.64	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	45.57	45.40	45.11	45.36	0.51	ppb
Phosphorus	31-2	2108.70	2070.27	2093.92	2090.96	0.93	ppb
Potassium	39-2	5576.57	5544.30	5609.00	5576.62	0.58	ppb
Rhodium	103-1				99		%
Rhodium	103-2				103		%
Scandium	45-1				106		%
Scandium	45-2				106		%
Selenium	82-1	1.12	1.10	1.25	1.16	6.63	ppb
Selenium	77-2	40.07	39.61	37.61	39.10	3.34	ppb
Selenium	78-2	9.81	9.86	9.19	9.62	3.88	ppb
Silicon	28-1	2051.22	2008.25	2187.10	2082.19	4.48	ppb
Silver	107-1	0.37	0.37	0.40	0.38	5.72	ppb
Silver	109-1	0.39	0.38	0.43	0.40	6.47	ppb
Sodium	23-2	150.34	149.46	152.12	150.64	0.90	ppb
Strontium	86-1	92.23	92.19	100.15	94.86	4.83	ppb
Strontium	88-1	96.03	94.21	102.77	97.67	4.62	ppb
Sulfur	34-1	361.12	232.96	686.41	426.83	54.77	ppb
Terbium	159-1				104		%
Terbium	159-2				103		%
Thallium	203-1	0.25	0.26	0.27	0.26	3.67	ppb
Thallium	205-1	0.25	0.25	0.27	0.26	5.34	ppb
Tin	118-1	2.62	2.62	2.86	2.70	5.07	ppb
Titanium	47-1	481.88	466.46	507.36	485.23	4.26	ppb
Uranium	238-1	0.63	0.63	0.69	0.65	5.34	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-09	Instrumnet Name :	P8
Client Sample ID :	MYD5Y2	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:39:54	DataFile Name :	037AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	86.43	85.50	85.42	85.78	0.66	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				110		%
Yttrium	89-2				111		%
Zinc	66-2	351.30	349.14	351.41	350.62	0.37	ppb
Zirconium	90-1	6.18	6.22	6.73	6.38	4.84	ppb
Zirconium	91-1	6.16	6.14	6.59	6.30	4.01	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-10	Instrumnet Name :	P8
Client Sample ID :	MYD5Y3	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:42:58	DataFile Name :	038AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	43092.19	42080.75	42052.36	42408.43	1.40	ppb
Antimony	121-1	0.34	0.35	0.34	0.34	1.87	ppb
Arsenic	75-2	32.88	31.44	32.35	32.22	2.25	ppb
Barium	135-1	565.06	563.62	566.81	565.16	0.28	ppb
Barium	137-1	557.57	567.68	564.47	563.24	0.92	ppb
Beryllium	9-1	1.81	1.80	1.78	1.79	0.91	ppb
Bismuth	209-1				99		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Cadmium	108-1	1.84	1.80	1.75	1.80	2.65	ppb
Cadmium	106-1	-2.22	-1.87	-1.89	-1.99		ppb
Cadmium	111-1	0.33	0.36	0.34	0.34	4.68	ppb
Calcium	43-1	15842.01	15707.90	15843.07	15797.66	0.49	ppb
Calcium	44-1	16106.81	15965.88	15754.68	15942.46	1.11	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	52.11	52.22	51.73	52.02	0.50	ppb
Cobalt	59-2	33.05	33.00	32.91	32.99	0.22	ppb
Copper	63-2	80.80	82.83	82.04	81.89	1.25	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				105		%
Indium	115-1				102		%
Indium	115-2				102		%
Iron	54-2	69984.91	70801.34	69032.28	69939.51	1.27	ppb
Iron	56-2	69788.01	69957.75	70134.53	69960.10	0.25	ppb
Iron	57-2	69272.04	70934.29	68924.23	69710.19	1.54	ppb
Krypton	83-1						cps
Lead	206-1	44.76	43.75	44.68	44.39	1.27	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-10	Instrumnet Name :	P8
Client Sample ID :	MYD5Y3	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:42:58	DataFile Name :	038AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	44.08	43.56	43.79	43.81	0.60	ppb
Lead	208-1	44.68	44.53	45.07	44.76	0.62	ppb
Lithium	6-1				103		%
Magnesium	24-2	18131.87	17897.64	18347.17	18125.56	1.24	ppb
Manganese	55-2	1892.60	1894.61	1883.63	1890.28	0.31	ppb
Molybdenum	94-1	12.65	12.72	12.60	12.66	0.46	ppb
Molybdenum	95-1	0.58	0.58	0.58	0.58	0.70	ppb
Molybdenum	96-1	2.09	2.05	2.01	2.05	1.77	ppb
Molybdenum	97-1	0.60	0.58	0.58	0.59	2.02	ppb
Molybdenum	98-1	0.56	0.59	0.58	0.57	2.75	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	47.91	49.07	48.26	48.41	1.23	ppb
Phosphorus	31-2	2023.66	2060.29	2093.52	2059.16	1.70	ppb
Potassium	39-2	5151.63	5182.82	5398.79	5244.42	2.57	ppb
Rhodium	103-1				101		%
Rhodium	103-2				102		%
Scandium	45-1				108		%
Scandium	45-2				105		%
Selenium	82-1	1.49	1.19	1.21	1.30	12.84	ppb
Selenium	77-2	60.52	69.91	60.83	63.75	8.37	ppb
Selenium	78-2	13.33	13.84	13.31	13.49	2.19	ppb
Silicon	28-1	2152.51	2168.93	2153.39	2158.28	0.43	ppb
Silver	107-1	0.17	0.17	0.17	0.17	2.12	ppb
Silver	109-1	0.16	0.16	0.16	0.16	1.68	ppb
Sodium	23-2	141.72	140.77	141.37	141.29	0.34	ppb
Strontium	86-1	89.45	88.56	88.09	88.70	0.78	ppb
Strontium	88-1	92.21	91.12	90.78	91.37	0.82	ppb
Sulfur	34-1	-389.84	-435.96	-488.44	-438.08		ppb
Terbium	159-1				105		%
Terbium	159-2				103		%
Thallium	203-1	0.29	0.29	0.29	0.29	0.75	ppb
Thallium	205-1	0.29	0.29	0.30	0.29	2.03	ppb
Tin	118-1	2.57	2.59	2.63	2.59	1.26	ppb
Titanium	47-1	425.44	416.93	416.95	419.77	1.17	ppb
Uranium	238-1	0.90	0.89	0.90	0.89	0.76	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-10	Instrumnet Name :	P8
Client Sample ID :	MYD5Y3	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:42:58	DataFile Name :	038AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	109.36	110.28	109.45	109.70	0.46	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				113		%
Yttrium	89-2				112		%
Zinc	66-2	174.48	177.20	176.37	176.02	0.79	ppb
Zirconium	90-1	6.97	6.94	6.93	6.95	0.25	ppb
Zirconium	91-1	6.95	6.91	6.93	6.93	0.28	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-11	Instrumnet Name :	P8
Client Sample ID :	MYD5Y3D	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:46:07	DataFile Name :	039AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	42942.81	42351.99	41913.96	42402.92	1.22	ppb
Antimony	121-1	0.34	0.35	0.33	0.34	3.05	ppb
Arsenic	75-2	31.22	32.55	33.73	32.50	3.86	ppb
Barium	135-1	548.13	555.63	558.69	554.15	0.98	ppb
Barium	137-1	540.62	558.99	558.49	552.70	1.89	ppb
Beryllium	9-1	1.76	1.79	1.74	1.76	1.47	ppb
Bismuth	209-1				98		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Cadmium	108-1	1.42	1.68	1.40	1.50	10.32	ppb
Cadmium	106-1	-2.30	-1.16	-1.24	-1.57		ppb
Cadmium	111-1	0.34	0.35	0.37	0.35	4.76	ppb
Calcium	43-1	15518.77	16259.60	15742.96	15840.44	2.40	ppb
Calcium	44-1	15778.71	16166.33	16358.15	16101.06	1.83	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	57.14	56.82	56.15	56.70	0.89	ppb
Cobalt	59-2	33.33	33.05	32.81	33.06	0.79	ppb
Copper	63-2	82.93	82.91	82.64	82.83	0.20	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				104		%
Indium	115-1				102		%
Indium	115-2				100		%
Iron	54-2	70917.16	69724.47	70074.98	70238.87	0.87	ppb
Iron	56-2	71259.90	70494.21	69784.24	70512.78	1.05	ppb
Iron	57-2	69368.46	69212.36	68844.69	69141.84	0.39	ppb
Krypton	83-1						cps
Lead	206-1	44.71	45.36	45.44	45.17	0.88	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-11	Instrumnet Name :	P8
Client Sample ID :	MYD5Y3D	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:46:07	DataFile Name :	039AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	44.26	44.67	44.82	44.58	0.65	ppb
Lead	208-1	45.07	44.94	45.27	45.09	0.37	ppb
Lithium	6-1				103		%
Magnesium	24-2	18640.69	18065.85	18024.87	18243.81	1.89	ppb
Manganese	55-2	1872.95	1894.61	1875.92	1881.16	0.62	ppb
Molybdenum	94-1	12.30	12.87	12.71	12.62	2.32	ppb
Molybdenum	95-1	0.62	0.62	0.61	0.62	1.37	ppb
Molybdenum	96-1	2.02	2.10	2.09	2.07	2.04	ppb
Molybdenum	97-1	0.61	0.64	0.63	0.63	2.23	ppb
Molybdenum	98-1	0.60	0.63	0.63	0.62	2.63	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	50.93	51.13	50.63	50.90	0.50	ppb
Phosphorus	31-2	2077.20	2104.17	2064.21	2081.86	0.98	ppb
Potassium	39-2	5325.99	5216.45	5134.84	5225.76	1.84	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				108		%
Scandium	45-2				104		%
Selenium	82-1	1.36	1.37	1.43	1.39	2.90	ppb
Selenium	77-2	57.44	61.58	68.88	62.63	9.25	ppb
Selenium	78-2	15.60	15.41	14.38	15.13	4.33	ppb
Silicon	28-1	2138.16	2168.56	2173.05	2159.92	0.88	ppb
Silver	107-1	0.17	0.17	0.17	0.17	1.57	ppb
Silver	109-1	0.16	0.16	0.17	0.16	2.64	ppb
Sodium	23-2	141.55	141.13	140.95	141.21	0.22	ppb
Strontium	86-1	87.74	89.49	89.16	88.80	1.05	ppb
Strontium	88-1	90.59	92.12	90.84	91.18	0.90	ppb
Sulfur	34-1	-546.28	-543.96	-531.94	-540.72		ppb
Terbium	159-1				105		%
Terbium	159-2				102		%
Thallium	203-1	0.29	0.29	0.29	0.29	1.59	ppb
Thallium	205-1	0.29	0.29	0.30	0.29	0.45	ppb
Tin	118-1	2.53	2.63	2.63	2.60	2.34	ppb
Titanium	47-1	407.14	420.10	423.58	416.94	2.08	ppb
Uranium	238-1	0.89	0.90	0.90	0.90	0.94	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-11	Instrumnet Name :	P8
Client Sample ID :	MYD5Y3D	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:46:07	DataFile Name :	039AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	110.88	110.10	109.71	110.23	0.54	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				114		%
Yttrium	89-2				111		%
Zinc	66-2	176.55	177.15	176.22	176.64	0.27	ppb
Zirconium	90-1	6.79	7.00	6.90	6.89	1.52	ppb
Zirconium	91-1	6.72	6.93	6.79	6.82	1.54	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-10LX5	Instrumnet Name :	P8
Client Sample ID :	MYD5Y3L	Dilution Factor :	5
Date & Time Acquired :	2024-10-08 12:49:13	DataFile Name :	040AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	8466.53	8437.84	8427.58	8443.98	0.24	ppb
Antimony	121-1	0.05	0.05	0.05	0.05	1.82	ppb
Arsenic	75-2	6.50	6.58	6.49	6.53	0.79	ppb
Barium	135-1	101.11	102.27	101.06	101.48	0.67	ppb
Barium	137-1	103.97	104.75	102.94	103.89	0.87	ppb
Beryllium	9-1	0.36	0.37	0.35	0.36	1.58	ppb
Bismuth	209-1				101		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Cadmium	108-1	0.28	0.31	0.21	0.27	19.74	ppb
Cadmium	106-1	-5.64	-7.69	-7.22	-6.85		ppb
Cadmium	111-1	0.00	-0.03	-0.01	-0.01		ppb
Calcium	43-1	2902.43	2966.64	3028.36	2965.81	2.12	ppb
Calcium	44-1	3089.34	3165.83	3150.71	3135.29	1.29	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	10.01	10.12	10.28	10.14	1.32	ppb
Cobalt	59-2	6.49	6.43	6.42	6.45	0.56	ppb
Copper	63-2	17.37	17.33	17.45	17.38	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				104		%
Holmium	165-2				105		%
Indium	115-1				103		%
Indium	115-2				103		%
Iron	54-2	13654.50	13768.41	13650.04	13690.98	0.49	ppb
Iron	56-2	13689.46	13946.41	13920.84	13852.24	1.02	ppb
Iron	57-2	13964.98	13871.92	13909.16	13915.35	0.34	ppb
Krypton	83-1						cps
Lead	206-1	8.31	8.19	8.44	8.31	1.53	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-10LX5	Instrumnet Name :	P8
Client Sample ID :	MYD5Y3L	Dilution Factor :	5
Date & Time Acquired :	2024-10-08 12:49:13	DataFile Name :	040AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	8.14	8.13	8.34	8.20	1.44	ppb
Lead	208-1	8.12	8.09	8.22	8.14	0.82	ppb
Lithium	6-1				99		%
Magnesium	24-2	3547.16	3566.14	3561.45	3558.25	0.28	ppb
Manganese	55-2	349.68	352.87	355.48	352.68	0.82	ppb
Molybdenum	94-1	2.52	2.51	2.53	2.52	0.31	ppb
Molybdenum	95-1	0.12	0.12	0.12	0.12	1.00	ppb
Molybdenum	96-1	0.41	0.40	0.41	0.41	1.13	ppb
Molybdenum	97-1	0.11	0.12	0.12	0.12	4.69	ppb
Molybdenum	98-1	0.11	0.11	0.11	0.11	2.37	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	9.58	9.23	9.50	9.43	1.95	ppb
Phosphorus	31-2	375.39	372.94	377.70	375.35	0.63	ppb
Potassium	39-2	954.10	966.73	962.10	960.98	0.66	ppb
Rhodium	103-1				103		%
Rhodium	103-2				102		%
Scandium	45-1				103		%
Scandium	45-2				100		%
Selenium	82-1	0.47	0.53	0.63	0.54	15.00	ppb
Selenium	77-2	11.82	14.71	13.75	13.42	10.95	ppb
Selenium	78-2	1.82	3.50	1.90	2.41	39.27	ppb
Silicon	28-1	411.82	426.63	424.05	420.83	1.88	ppb
Silver	107-1	0.03	0.03	0.03	0.03	8.89	ppb
Silver	109-1	0.03	0.03	0.03	0.03	6.11	ppb
Sodium	23-2	30.79	31.57	30.49	30.95	1.79	ppb
Strontium	86-1	17.51	17.78	17.95	17.74	1.25	ppb
Strontium	88-1	18.32	18.44	18.83	18.53	1.46	ppb
Sulfur	34-1	-709.60	-629.03	-652.59	-663.74		ppb
Terbium	159-1				104		%
Terbium	159-2				103		%
Thallium	203-1	0.06	0.05	0.06	0.06	7.15	ppb
Thallium	205-1	0.06	0.06	0.06	0.06	4.63	ppb
Tin	118-1	0.50	0.50	0.49	0.50	1.09	ppb
Titanium	47-1	75.69	78.55	79.38	77.87	2.49	ppb
Uranium	238-1	0.16	0.16	0.16	0.16	1.91	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-10LX5	Instrumnet Name :	P8
Client Sample ID :	MYD5Y3L	Dilution Factor :	5
Date & Time Acquired :	2024-10-08 12:49:13	DataFile Name :	040AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	21.14	21.40	21.42	21.32	0.74	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	34.19	34.52	34.81	34.51	0.91	ppb
Zirconium	90-1	1.35	1.37	1.38	1.37	1.04	ppb
Zirconium	91-1	1.33	1.36	1.37	1.36	1.49	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-12	Instrumnet Name :	P8
Client Sample ID :	MYD5Y3S	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:52:25	DataFile Name :	041AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	44395.14	43992.04	44692.83	44360.00	0.79	ppb
Antimony	121-1	57.82	60.15	58.28	58.75	2.11	ppb
Arsenic	75-2	55.63	55.36	55.58	55.52	0.26	ppb
Barium	135-1	1738.31	1730.02	1725.58	1731.30	0.37	ppb
Barium	137-1	1747.20	1722.40	1740.62	1736.74	0.74	ppb
Beryllium	9-1	29.56	29.06	29.00	29.20	1.05	ppb
Bismuth	209-1				97		%
Bismuth	209-2				96		%
Bromine	81-1						cps
Cadmium	108-1	24.35	23.97	23.56	23.96	1.65	ppb
Cadmium	106-1	19.32	19.30	18.82	19.15	1.47	ppb
Cadmium	111-1	29.45	29.48	29.78	29.57	0.61	ppb
Calcium	43-1	16572.80	16011.17	16135.59	16239.85	1.82	ppb
Calcium	44-1	16453.36	16147.93	16159.30	16253.53	1.07	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	168.95	168.16	168.68	168.60	0.24	ppb
Cobalt	59-2	342.71	334.93	337.12	338.25	1.19	ppb
Copper	63-2	239.10	234.27	236.66	236.68	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				104		%
Holmium	165-2				103		%
Indium	115-1				100		%
Indium	115-2				99		%
Iron	54-2	72521.13	72275.64	72549.76	72448.84	0.21	ppb
Iron	56-2	72712.37	71654.32	71411.13	71925.94	0.96	ppb
Iron	57-2	71857.59	71726.51	71368.75	71650.95	0.35	ppb
Krypton	83-1						cps
Lead	206-1	57.92	58.26	57.00	57.72	1.13	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-12	Instrumnet Name :	P8
Client Sample ID :	MYD5Y3S	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:52:25	DataFile Name :	041AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	57.50	57.14	56.96	57.20	0.48	ppb
Lead	208-1	58.32	57.93	57.81	58.02	0.46	ppb
Lithium	6-1				100		%
Magnesium	24-2	18362.64	18276.38	18289.46	18309.49	0.25	ppb
Manganese	55-2	2206.69	2199.70	2172.59	2192.99	0.82	ppb
Molybdenum	94-1	13.06	13.10	13.06	13.07	0.15	ppb
Molybdenum	95-1	0.64	0.64	0.62	0.63	1.85	ppb
Molybdenum	96-1	2.15	2.14	2.12	2.14	0.83	ppb
Molybdenum	97-1	0.63	0.68	0.60	0.63	6.25	ppb
Molybdenum	98-1	0.63	0.63	0.62	0.63	0.92	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	339.97	338.08	338.65	338.90	0.29	ppb
Phosphorus	31-2	2174.98	2121.07	2116.34	2137.46	1.52	ppb
Potassium	39-2	5319.66	5274.56	5209.39	5267.87	1.05	ppb
Rhodium	103-1				98		%
Rhodium	103-2				100		%
Scandium	45-1				106		%
Scandium	45-2				103		%
Selenium	82-1	61.77	60.31	60.73	60.94	1.23	ppb
Selenium	77-2	111.24	136.48	115.45	121.05	11.17	ppb
Selenium	78-2	74.96	70.75	76.92	74.21	4.25	ppb
Silicon	28-1	2239.94	2181.29	2198.81	2206.68	1.36	ppb
Silver	107-1	28.78	29.23	29.15	29.05	0.84	ppb
Silver	109-1	29.32	29.39	29.49	29.40	0.29	ppb
Sodium	23-2	138.01	138.78	137.03	137.94	0.64	ppb
Strontium	86-1	91.11	92.52	90.93	91.52	0.95	ppb
Strontium	88-1	93.95	93.22	93.49	93.55	0.39	ppb
Sulfur	34-1	-510.05	-623.37	-622.22	-585.21		ppb
Terbium	159-1				104		%
Terbium	159-2				102		%
Thallium	203-1	28.83	29.06	28.82	28.90	0.46	ppb
Thallium	205-1	29.79	29.72	29.46	29.66	0.60	ppb
Tin	118-1	2.68	2.65	2.70	2.68	0.94	ppb
Titanium	47-1	425.75	423.56	427.68	425.66	0.48	ppb
Uranium	238-1	0.92	0.93	0.93	0.93	0.50	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-12	Instrumnet Name :	P8
Client Sample ID :	MYD5Y3S	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:52:25	DataFile Name :	041AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	399.27	411.97	410.97	407.40	1.73	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				112		%
Yttrium	89-2				111		%
Zinc	66-2	468.77	462.59	464.79	465.38	0.67	ppb
Zirconium	90-1	7.11	7.12	7.11	7.11	0.11	ppb
Zirconium	91-1	7.01	7.07	7.00	7.03	0.48	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-10MS	Instrumnet Name :	P8
Client Sample ID :	MYD5Y3SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:55:28	DataFile Name :	042AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	46560.30	46850.53	46862.41	46757.75	0.37	ppb
Antimony	121-1	282.03	288.74	286.22	285.66	1.19	ppb
Arsenic	75-2	140.37	139.64	140.93	140.32	0.46	ppb
Barium	135-1	6015.43	6213.54	6160.14	6129.70	1.67	ppb
Barium	137-1	6032.53	6267.63	6243.70	6181.29	2.09	ppb
Beryllium	9-1	128.85	131.52	132.65	131.01	1.49	ppb
Bismuth	209-1				97		%
Bismuth	209-2				96		%
Bromine	81-1						cps
Cadmium	108-1	108.08	111.70	111.89	110.56	1.94	ppb
Cadmium	106-1	99.18	105.76	101.38	102.11	3.28	ppb
Cadmium	111-1	138.51	142.84	142.53	141.29	1.71	ppb
Calcium	43-1	15020.91	15640.18	15709.27	15456.79	2.45	ppb
Calcium	44-1	15213.12	15690.02	15836.92	15580.02	2.09	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	637.27	647.44	642.50	642.41	0.79	ppb
Cobalt	59-2	1501.57	1511.18	1504.11	1505.62	0.33	ppb
Copper	63-2	797.76	790.66	790.27	792.90	0.53	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				103		%
Indium	115-1				102		%
Indium	115-2				99		%
Iron	54-2	73185.38	73211.12	72633.08	73009.86	0.45	ppb
Iron	56-2	71836.72	72876.93	72466.47	72393.38	0.72	ppb
Iron	57-2	72037.25	72520.02	71867.41	72141.56	0.47	ppb
Krypton	83-1						cps
Lead	206-1	104.23	101.90	103.99	103.37	1.24	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-10MS	Instrumnet Name :	P8
Client Sample ID :	MYD5Y3SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:55:28	DataFile Name :	042AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	102.27	104.81	104.26	103.78	1.29	ppb
Lead	208-1	101.78	102.22	103.44	102.48	0.84	ppb
Lithium	6-1				101		%
Magnesium	24-2	17704.34	17804.54	18072.17	17860.35	1.06	ppb
Manganese	55-2	3234.94	3260.49	3309.70	3268.37	1.16	ppb
Molybdenum	94-1	12.35	12.60	12.59	12.51	1.13	ppb
Molybdenum	95-1	0.62	0.65	0.63	0.63	2.39	ppb
Molybdenum	96-1	2.11	2.14	2.12	2.12	0.55	ppb
Molybdenum	97-1	0.62	0.64	0.63	0.63	1.51	ppb
Molybdenum	98-1	0.65	0.66	0.65	0.65	1.23	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1557.83	1554.20	1545.29	1552.44	0.42	ppb
Phosphorus	31-2	2008.62	2030.04	1941.36	1993.34	2.32	ppb
Potassium	39-2	5092.74	5168.66	5192.20	5151.20	1.01	ppb
Rhodium	103-1				100		%
Rhodium	103-2				99		%
Scandium	45-1				107		%
Scandium	45-2				102		%
Selenium	82-1	288.37	302.48	295.97	295.61	2.39	ppb
Selenium	77-2	333.14	353.97	352.88	346.66	3.38	ppb
Selenium	78-2	310.56	296.50	316.53	307.87	3.34	ppb
Silicon	28-1	2075.00	2096.39	2122.13	2097.84	1.12	ppb
Silver	107-1	145.27	149.18	148.10	147.52	1.37	ppb
Silver	109-1	142.80	147.53	146.40	145.58	1.70	ppb
Sodium	23-2	131.69	132.83	133.57	132.70	0.72	ppb
Strontium	86-1	85.40	88.76	88.49	87.55	2.13	ppb
Strontium	88-1	88.37	90.18	90.42	89.65	1.25	ppb
Sulfur	34-1	-774.33	-746.03	-696.96	-739.11		ppb
Terbium	159-1				104		%
Terbium	159-2				101		%
Thallium	203-1	138.84	141.84	143.01	141.23	1.52	ppb
Thallium	205-1	136.40	139.95	141.37	139.24	1.84	ppb
Tin	118-1	2.50	2.58	2.55	2.54	1.62	ppb
Titanium	47-1	393.99	410.61	406.89	403.83	2.16	ppb
Uranium	238-1	0.88	0.91	0.91	0.90	1.91	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-10MS	Instrumnet Name :	P8
Client Sample ID :	MYD5Y3SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:55:28	DataFile Name :	042AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	1502.62	1512.13	1507.36	1507.37	0.32	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				113		%
Yttrium	89-2				110		%
Zinc	66-2	1550.30	1563.49	1571.01	1561.60	0.67	ppb
Zirconium	90-1	6.64	6.83	6.79	6.75	1.46	ppb
Zirconium	91-1	6.71	6.86	6.86	6.81	1.30	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-13	Instrumnet Name :	P8
Client Sample ID :	MYD5Y4	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:58:26	DataFile Name :	043AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	20343.46	20702.39	20978.73	20674.86	1.54	ppb
Antimony	121-1	0.77	0.79	0.75	0.77	2.48	ppb
Arsenic	75-2	42.60	43.32	43.23	43.05	0.91	ppb
Barium	135-1	224.83	224.59	211.32	220.25	3.51	ppb
Barium	137-1	221.82	228.12	214.96	221.63	2.97	ppb
Beryllium	9-1	0.88	0.90	0.82	0.86	4.98	ppb
Bismuth	209-1				100		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Cadmium	108-1	1.45	1.57	1.43	1.48	5.02	ppb
Cadmium	106-1	-3.10	-3.16	-3.81	-3.35		ppb
Cadmium	111-1	0.66	0.64	0.62	0.64	3.17	ppb
Calcium	43-1	55905.49	56498.02	53634.21	55345.91	2.73	ppb
Calcium	44-1	56992.25	57380.99	54559.77	56311.00	2.72	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	29.73	30.27	30.44	30.14	1.24	ppb
Cobalt	59-2	22.76	22.71	22.90	22.79	0.44	ppb
Copper	63-2	69.11	70.23	70.45	69.93	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				107		%
Holmium	165-2				104		%
Indium	115-1				104		%
Indium	115-2				99		%
Iron	54-2	49422.96	49966.48	50229.63	49873.02	0.82	ppb
Iron	56-2	49573.78	50112.55	50652.93	50113.09	1.08	ppb
Iron	57-2	49430.71	49502.20	50108.69	49680.53	0.75	ppb
Krypton	83-1						cps
Lead	206-1	56.03	57.33	54.33	55.90	2.69	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-13	Instrumnet Name :	P8
Client Sample ID :	MYD5Y4	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:58:26	DataFile Name :	043AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	57.13	58.70	55.21	57.01	3.07	ppb
Lead	208-1	58.18	58.92	55.10	57.40	3.53	ppb
Lithium	6-1				101		%
Magnesium	24-2	13172.04	13284.10	13563.94	13340.02	1.51	ppb
Manganese	55-2	1215.29	1236.61	1240.33	1230.75	1.10	ppb
Molybdenum	94-1	9.54	9.61	9.20	9.45	2.30	ppb
Molybdenum	95-1	0.58	0.59	0.59	0.59	0.95	ppb
Molybdenum	96-1	1.70	1.71	1.65	1.69	1.78	ppb
Molybdenum	97-1	0.58	0.61	0.61	0.60	2.69	ppb
Molybdenum	98-1	0.59	0.61	0.57	0.59	3.24	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	35.22	35.56	35.77	35.51	0.78	ppb
Phosphorus	31-2	2185.26	2298.84	2274.72	2252.94	2.66	ppb
Potassium	39-2	4700.82	4699.16	4739.29	4713.09	0.48	ppb
Rhodium	103-1				102		%
Rhodium	103-2				99		%
Scandium	45-1				107		%
Scandium	45-2				100		%
Selenium	82-1	0.75	0.65	0.77	0.72	9.41	ppb
Selenium	77-2	36.40	36.98	37.76	37.05	1.84	ppb
Selenium	78-2	7.39	10.99	9.04	9.14	19.70	ppb
Silicon	28-1	2038.66	2039.76	1957.07	2011.83	2.36	ppb
Silver	107-1	0.22	0.21	0.20	0.21	5.25	ppb
Silver	109-1	0.21	0.21	0.19	0.20	4.62	ppb
Sodium	23-2	175.47	177.59	179.20	177.42	1.06	ppb
Strontium	86-1	57.38	58.01	55.21	56.87	2.59	ppb
Strontium	88-1	58.95	59.86	56.85	58.55	2.63	ppb
Sulfur	34-1	-56.72	-40.08	-225.32	-107.38		ppb
Terbium	159-1				105		%
Terbium	159-2				102		%
Thallium	203-1	0.23	0.21	0.20	0.21	5.91	ppb
Thallium	205-1	0.22	0.23	0.21	0.22	5.09	ppb
Tin	118-1	5.09	5.17	4.81	5.02	3.75	ppb
Titanium	47-1	556.88	562.34	532.71	550.64	2.86	ppb
Uranium	238-1	0.58	0.60	0.57	0.58	2.37	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-13	Instrumnet Name :	P8
Client Sample ID :	MYD5Y4	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:58:26	DataFile Name :	043AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	76.36	77.00	77.63	76.99	0.82	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				112		%
Yttrium	89-2				106		%
Zinc	66-2	208.55	210.08	212.16	210.26	0.86	ppb
Zirconium	90-1	5.19	5.22	4.95	5.12	2.84	ppb
Zirconium	91-1	5.21	5.21	4.95	5.12	2.96	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-14	Instrumnet Name :	P8
Client Sample ID :	MYD5Y5	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 13:01:32	DataFile Name :	044AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	28632.64	28331.89	28391.76	28452.10	0.56	ppb
Antimony	121-1	0.40	0.43	0.42	0.42	4.57	ppb
Arsenic	75-2	31.91	30.50	30.57	30.99	2.57	ppb
Barium	135-1	458.01	461.96	459.61	459.86	0.43	ppb
Barium	137-1	452.98	455.48	453.14	453.87	0.31	ppb
Beryllium	9-1	1.12	1.10	1.08	1.10	1.76	ppb
Bismuth	209-1				98		%
Bismuth	209-2				96		%
Bromine	81-1						cps
Cadmium	108-1	1.50	1.33	1.34	1.39	6.82	ppb
Cadmium	106-1	-3.06	-3.51	-2.52	-3.03		ppb
Cadmium	111-1	0.26	0.25	0.28	0.26	6.55	ppb
Calcium	43-1	17613.03	17747.01	17948.46	17769.50	0.95	ppb
Calcium	44-1	17945.07	17991.91	18296.11	18077.70	1.05	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	38.64	38.47	38.67	38.59	0.28	ppb
Cobalt	59-2	27.74	27.83	27.89	27.82	0.28	ppb
Copper	63-2	60.09	59.72	60.13	59.98	0.38	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				102		%
Indium	115-1				101		%
Indium	115-2				99		%
Iron	54-2	54124.89	54877.48	55261.01	54754.46	1.06	ppb
Iron	56-2	55145.97	54525.49	55476.85	55049.44	0.88	ppb
Iron	57-2	54908.51	54510.10	54714.69	54711.10	0.36	ppb
Krypton	83-1						cps
Lead	206-1	21.89	21.98	21.66	21.84	0.74	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-14	Instrumnet Name :	P8
Client Sample ID :	MYD5Y5	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 13:01:32	DataFile Name :	044AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	21.32	21.79	21.05	21.39	1.74	ppb
Lead	208-1	21.32	21.42	21.02	21.25	0.98	ppb
Lithium	6-1				99		%
Magnesium	24-2	16982.20	17093.84	16770.07	16948.70	0.97	ppb
Manganese	55-2	1663.45	1684.31	1695.89	1681.22	0.98	ppb
Molybdenum	94-1	10.93	11.04	11.10	11.02	0.80	ppb
Molybdenum	95-1	0.39	0.39	0.43	0.40	5.05	ppb
Molybdenum	96-1	1.65	1.65	1.68	1.66	1.19	ppb
Molybdenum	97-1	0.43	0.42	0.42	0.43	1.64	ppb
Molybdenum	98-1	0.40	0.40	0.39	0.40	1.38	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	45.22	44.33	45.26	44.94	1.16	ppb
Phosphorus	31-2	2908.42	2875.19	2919.82	2901.15	0.80	ppb
Potassium	39-2	2984.15	3000.88	3025.87	3003.63	0.70	ppb
Rhodium	103-1				99		%
Rhodium	103-2				98		%
Scandium	45-1				105		%
Scandium	45-2				99		%
Selenium	82-1	0.97	0.80	0.74	0.84	14.69	ppb
Selenium	77-2	44.07	49.95	45.43	46.48	6.62	ppb
Selenium	78-2	10.35	9.28	10.60	10.07	6.98	ppb
Silicon	28-1	2107.39	2096.53	2141.16	2115.03	1.10	ppb
Silver	107-1	0.08	0.08	0.07	0.08	5.46	ppb
Silver	109-1	0.07	0.07	0.07	0.07	0.68	ppb
Sodium	23-2	174.73	173.93	175.39	174.68	0.42	ppb
Strontium	86-1	201.62	202.77	198.91	201.10	0.98	ppb
Strontium	88-1	194.76	194.37	198.40	195.85	1.14	ppb
Sulfur	34-1	-524.82	-582.28	-535.03	-547.38		ppb
Terbium	159-1				104		%
Terbium	159-2				102		%
Thallium	203-1	0.23	0.23	0.23	0.23	0.81	ppb
Thallium	205-1	0.23	0.23	0.22	0.22	3.38	ppb
Tin	118-1	2.15	1.94	2.02	2.03	5.31	ppb
Titanium	47-1	450.48	447.71	461.77	453.32	1.64	ppb
Uranium	238-1	0.63	0.63	0.63	0.63	0.30	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-14	Instrumnet Name :	P8
Client Sample ID :	MYD5Y5	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 13:01:32	DataFile Name :	044AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	85.97	85.77	86.46	86.07	0.41	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				110		%
Yttrium	89-2				105		%
Zinc	66-2	144.91	143.27	145.14	144.44	0.71	ppb
Zirconium	90-1	5.94	6.00	6.15	6.03	1.75	ppb
Zirconium	91-1	5.98	5.90	6.08	5.98	1.53	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-15	Instrumnet Name :	P8
Client Sample ID :	MYD5Y6	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 13:04:41	DataFile Name :	045AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	17584.09	17781.75	17929.53	17765.12	0.98	ppb
Antimony	121-1	0.65	0.64	0.64	0.64	1.00	ppb
Arsenic	75-2	38.19	38.94	38.64	38.59	0.98	ppb
Barium	135-1	183.38	189.46	191.09	187.98	2.16	ppb
Barium	137-1	196.55	204.67	204.85	202.02	2.35	ppb
Beryllium	9-1	0.73	0.75	0.77	0.75	2.86	ppb
Bismuth	209-1				98		%
Bismuth	209-2				95		%
Bromine	81-1						cps
Cadmium	108-1	1.41	1.41	1.20	1.34	8.92	ppb
Cadmium	106-1	-4.12	-4.71	-4.72	-4.52		ppb
Cadmium	111-1	0.46	0.47	0.48	0.47	1.87	ppb
Calcium	43-1	46439.20	47248.35	48653.24	47446.93	2.36	ppb
Calcium	44-1	47006.31	48208.07	48388.67	47867.68	1.57	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	23.68	23.67	23.84	23.73	0.40	ppb
Cobalt	59-2	19.63	19.54	19.80	19.66	0.68	ppb
Copper	63-2	62.64	62.49	63.61	62.92	0.96	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				101		%
Indium	115-1				100		%
Indium	115-2				96		%
Iron	54-2	43909.58	44656.35	44130.93	44232.29	0.87	ppb
Iron	56-2	44345.14	43818.27	44324.72	44162.71	0.68	ppb
Iron	57-2	44220.22	44611.01	44263.15	44364.79	0.48	ppb
Krypton	83-1						cps
Lead	206-1	43.16	44.68	44.82	44.22	2.08	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-15	Instrumnet Name :	P8
Client Sample ID :	MYD5Y6	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 13:04:41	DataFile Name :	045AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	43.87	45.67	45.16	44.90	2.07	ppb
Lead	208-1	44.33	45.37	45.62	45.11	1.51	ppb
Lithium	6-1				97		%
Magnesium	24-2	10987.74	10794.59	10943.55	10908.62	0.93	ppb
Manganese	55-2	1062.07	1078.61	1087.34	1076.01	1.19	ppb
Molybdenum	94-1	8.96	9.27	9.33	9.19	2.17	ppb
Molybdenum	95-1	0.51	0.52	0.54	0.52	2.96	ppb
Molybdenum	96-1	1.47	1.58	1.60	1.55	4.53	ppb
Molybdenum	97-1	0.51	0.53	0.54	0.53	2.16	ppb
Molybdenum	98-1	0.49	0.52	0.53	0.51	3.54	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	28.31	28.81	29.08	28.73	1.35	ppb
Phosphorus	31-2	1863.52	1875.19	1914.75	1884.49	1.42	ppb
Potassium	39-2	3898.88	3874.36	3886.99	3886.74	0.32	ppb
Rhodium	103-1				98		%
Rhodium	103-2				97		%
Scandium	45-1				101		%
Scandium	45-2				96		%
Selenium	82-1	0.97	0.42	1.00	0.79	41.31	ppb
Selenium	77-2	36.67	34.84	26.77	32.76	16.08	ppb
Selenium	78-2	7.23	7.41	8.71	7.78	10.35	ppb
Silicon	28-1	2065.61	2102.22	2078.78	2082.20	0.89	ppb
Silver	107-1	0.15	0.16	0.16	0.16	2.78	ppb
Silver	109-1	0.15	0.15	0.16	0.16	1.61	ppb
Sodium	23-2	154.89	154.00	155.87	154.92	0.60	ppb
Strontium	86-1	48.83	50.65	50.79	50.09	2.18	ppb
Strontium	88-1	51.36	52.10	52.81	52.09	1.39	ppb
Sulfur	34-1	-147.75	-99.50	-82.74	-110.00		ppb
Terbium	159-1				103		%
Terbium	159-2				98		%
Thallium	203-1	0.17	0.17	0.17	0.17	1.30	ppb
Thallium	205-1	0.17	0.18	0.17	0.17	3.35	ppb
Tin	118-1	3.69	3.86	3.87	3.81	2.62	ppb
Titanium	47-1	545.24	563.77	559.38	556.13	1.74	ppb
Uranium	238-1	0.51	0.53	0.54	0.53	2.87	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-15	Instrumnet Name :	P8
Client Sample ID :	MYD5Y6	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 13:04:41	DataFile Name :	045AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	67.34	67.18	67.72	67.41	0.42	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				107		%
Yttrium	89-2				102		%
Zinc	66-2	175.95	175.96	178.57	176.83	0.85	ppb
Zirconium	90-1	4.86	4.99	5.08	4.97	2.20	ppb
Zirconium	91-1	4.78	5.05	4.95	4.93	2.74	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-16	Instrumnet Name :	P8
Client Sample ID :	MYD5Y7	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 13:07:48	DataFile Name :	046AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	22930.81	23079.69	20121.02	22043.84	7.56	ppb
Antimony	121-1	0.71	0.70	0.68	0.69	2.27	ppb
Arsenic	75-2	49.63	51.90	44.21	48.58	8.13	ppb
Barium	135-1	254.41	261.14	252.09	255.88	1.84	ppb
Barium	137-1	261.48	262.40	253.75	259.21	1.83	ppb
Beryllium	9-1	0.92	0.95	0.96	0.94	2.00	ppb
Bismuth	209-1				97		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Cadmium	108-1	1.64	1.83	1.73	1.73	5.63	ppb
Cadmium	106-1	-3.12	-3.83	-4.12	-3.69		ppb
Cadmium	111-1	0.64	0.61	0.58	0.61	5.07	ppb
Calcium	43-1	61878.47	64429.07	62435.39	62914.31	2.13	ppb
Calcium	44-1	63083.89	63129.12	62991.27	63068.10	0.11	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	35.76	35.97	31.54	34.42	7.26	ppb
Cobalt	59-2	25.49	25.44	22.45	24.46	7.12	ppb
Copper	63-2	81.32	81.26	72.79	78.46	6.26	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				105		%
Indium	115-1				98		%
Indium	115-2				101		%
Iron	54-2	55615.02	54906.49	48621.75	53047.75	7.26	ppb
Iron	56-2	56087.47	55361.61	48795.55	53414.88	7.52	ppb
Iron	57-2	55650.16	54604.91	48425.17	52893.42	7.38	ppb
Krypton	83-1						cps
Lead	206-1	55.05	54.81	54.47	54.78	0.53	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-16	Instrumnet Name :	P8
Client Sample ID :	MYD5Y7	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 13:07:48	DataFile Name :	046AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	55.32	55.38	55.80	55.50	0.47	ppb
Lead	208-1	55.33	55.86	55.54	55.58	0.48	ppb
Lithium	6-1				96		%
Magnesium	24-2	14061.78	14020.36	12134.86	13405.67	8.21	ppb
Manganese	55-2	1419.29	1404.50	1235.54	1353.11	7.54	ppb
Molybdenum	94-1	11.41	11.34	11.23	11.33	0.80	ppb
Molybdenum	95-1	0.65	0.63	0.62	0.63	1.73	ppb
Molybdenum	96-1	1.92	1.92	1.88	1.91	1.35	ppb
Molybdenum	97-1	0.65	0.61	0.62	0.63	3.62	ppb
Molybdenum	98-1	0.62	0.63	0.61	0.62	1.33	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	37.78	37.91	33.58	36.42	6.77	ppb
Phosphorus	31-2	2475.23	2504.11	2241.54	2406.96	5.98	ppb
Potassium	39-2	4262.04	4200.56	3705.48	4056.03	7.52	ppb
Rhodium	103-1				96		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	82-1	1.11	0.92	0.86	0.96	13.77	ppb
Selenium	77-2	41.40	42.89	30.90	38.40	17.01	ppb
Selenium	78-2	8.03	11.92	8.88	9.61	21.32	ppb
Silicon	28-1	2158.41	2209.66	2145.65	2171.24	1.56	ppb
Silver	107-1	0.21	0.21	0.20	0.21	3.02	ppb
Silver	109-1	0.21	0.22	0.21	0.21	3.85	ppb
Sodium	23-2	203.25	200.77	178.65	194.22	6.97	ppb
Strontium	86-1	71.35	70.42	69.96	70.58	1.00	ppb
Strontium	88-1	74.05	74.36	73.15	73.85	0.85	ppb
Sulfur	34-1	-110.11	-7.89	-94.14	-70.71		ppb
Terbium	159-1				101		%
Terbium	159-2				104		%
Thallium	203-1	0.21	0.21	0.22	0.21	2.01	ppb
Thallium	205-1	0.21	0.21	0.22	0.21	2.17	ppb
Tin	118-1	5.47	5.51	5.30	5.42	2.03	ppb
Titanium	47-1	698.16	701.48	699.45	699.70	0.24	ppb
Uranium	238-1	0.67	0.67	0.66	0.67	1.13	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-16	Instrumnet Name :	P8
Client Sample ID :	MYD5Y7	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 13:07:48	DataFile Name :	046AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	89.96	90.22	79.85	86.67	6.82	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				107		%
Yttrium	89-2				106		%
Zinc	66-2	207.97	208.72	186.16	200.95	6.38	ppb
Zirconium	90-1	6.16	6.18	6.16	6.17	0.21	ppb
Zirconium	91-1	6.12	6.20	6.08	6.13	0.96	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-17	Instrumnet Name :	P8
Client Sample ID :	MYD5Y8	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 13:10:57	DataFile Name :	047AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	17252.12	17224.20	17047.51	17174.61	0.65	ppb
Antimony	121-1	0.47	0.47	0.45	0.46	1.62	ppb
Arsenic	75-2	28.25	27.67	28.31	28.08	1.27	ppb
Barium	135-1	189.95	185.48	186.93	187.45	1.22	ppb
Barium	137-1	202.55	193.91	197.10	197.85	2.21	ppb
Beryllium	9-1	0.72	0.70	0.67	0.70	3.74	ppb
Bismuth	209-1				97		%
Bismuth	209-2				96		%
Bromine	81-1						cps
Cadmium	108-1	1.20	1.29	1.29	1.26	4.37	ppb
Cadmium	106-1	-4.90	-5.04	-4.83	-4.92		ppb
Cadmium	111-1	0.32	0.35	0.31	0.33	5.93	ppb
Calcium	43-1	55168.19	53108.42	53160.06	53812.22	2.18	ppb
Calcium	44-1	55335.61	54849.29	53782.08	54655.66	1.45	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	22.31	22.52	22.43	22.42	0.46	ppb
Cobalt	59-2	18.19	18.00	18.23	18.14	0.68	ppb
Copper	63-2	51.31	51.65	51.84	51.60	0.52	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				101		%
Indium	115-1				99		%
Indium	115-2				96		%
Iron	54-2	40089.77	39967.49	39993.16	40016.81	0.16	ppb
Iron	56-2	40402.83	39711.42	39781.38	39965.21	0.95	ppb
Iron	57-2	40223.03	39918.27	40404.04	40181.78	0.61	ppb
Krypton	83-1						cps
Lead	206-1	28.37	28.07	27.93	28.12	0.80	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-17	Instrumnet Name :	P8
Client Sample ID :	MYD5Y8	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 13:10:57	DataFile Name :	047AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	28.33	28.05	28.12	28.17	0.51	ppb
Lead	208-1	28.03	27.82	27.77	27.87	0.49	ppb
Lithium	6-1				94		%
Magnesium	24-2	11075.85	10863.08	10916.91	10951.95	1.01	ppb
Manganese	55-2	1424.96	1403.27	1408.67	1412.30	0.80	ppb
Molybdenum	94-1	10.22	10.08	9.94	10.08	1.39	ppb
Molybdenum	95-1	0.40	0.40	0.42	0.40	2.82	ppb
Molybdenum	96-1	1.56	1.56	1.56	1.56	0.23	ppb
Molybdenum	97-1	0.41	0.40	0.39	0.40	3.20	ppb
Molybdenum	98-1	0.40	0.39	0.39	0.39	1.79	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	28.55	28.38	28.72	28.55	0.59	ppb
Phosphorus	31-2	2035.20	2016.88	1971.57	2007.89	1.63	ppb
Potassium	39-2	2694.21	2703.98	2710.35	2702.85	0.30	ppb
Rhodium	103-1				97		%
Rhodium	103-2				96		%
Scandium	45-1				99		%
Scandium	45-2				95		%
Selenium	82-1	0.85	0.61	0.37	0.61	39.23	ppb
Selenium	77-2	26.80	33.47	32.61	30.96	11.72	ppb
Selenium	78-2	7.68	7.41	8.47	7.85	6.99	ppb
Silicon	28-1	2270.52	2229.26	2206.58	2235.45	1.45	ppb
Silver	107-1	0.10	0.10	0.10	0.10	1.70	ppb
Silver	109-1	0.10	0.10	0.10	0.10	2.98	ppb
Sodium	23-2	193.19	193.58	193.71	193.49	0.14	ppb
Strontium	86-1	56.27	54.74	55.27	55.43	1.40	ppb
Strontium	88-1	58.11	57.46	55.98	57.18	1.91	ppb
Sulfur	34-1	-430.12	-491.22	-543.26	-488.20		ppb
Terbium	159-1				101		%
Terbium	159-2				99		%
Thallium	203-1	0.17	0.17	0.17	0.17	1.54	ppb
Thallium	205-1	0.17	0.17	0.17	0.17	1.45	ppb
Tin	118-1	3.30	3.25	3.27	3.27	0.81	ppb
Titanium	47-1	595.82	592.12	578.71	588.89	1.53	ppb
Uranium	238-1	0.51	0.50	0.50	0.50	0.95	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-17	Instrumnet Name :	P8
Client Sample ID :	MYD5Y8	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 13:10:57	DataFile Name :	047AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	62.21	61.41	62.18	61.93	0.74	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	136.39	138.19	136.92	137.17	0.67	ppb
Zirconium	90-1	5.64	5.55	5.56	5.59	0.87	ppb
Zirconium	91-1	5.59	5.42	5.49	5.50	1.54	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-18	Instrumnet Name :	P8
Client Sample ID :	MYD5Y9	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 13:14:06	DataFile Name :	048AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	17428.17	17131.15	17177.97	17245.76	0.93	ppb
Antimony	121-1	0.47	0.46	0.45	0.46	1.73	ppb
Arsenic	75-2	29.78	28.91	30.70	29.80	3.01	ppb
Barium	135-1	184.94	191.05	188.85	188.28	1.64	ppb
Barium	137-1	195.90	205.46	199.83	200.40	2.40	ppb
Beryllium	9-1	0.71	0.68	0.71	0.70	2.61	ppb
Bismuth	209-1				98		%
Bismuth	209-2				96		%
Bromine	81-1						cps
Cadmium	108-1	1.19	1.30	1.09	1.19	8.83	ppb
Cadmium	106-1	-6.68	-4.95	-5.67	-5.77		ppb
Cadmium	111-1	0.58	0.53	0.58	0.56	4.93	ppb
Calcium	43-1	47197.62	47711.97	47417.16	47442.25	0.54	ppb
Calcium	44-1	47191.63	48102.18	47491.40	47595.07	0.97	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	36.80	36.53	36.33	36.56	0.65	ppb
Cobalt	59-2	19.21	19.09	19.21	19.17	0.36	ppb
Copper	63-2	62.53	62.12	62.48	62.38	0.36	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				101		%
Indium	115-1				100		%
Indium	115-2				96		%
Iron	54-2	38796.91	38199.98	38464.84	38487.24	0.78	ppb
Iron	56-2	39025.60	38388.64	38740.54	38718.26	0.82	ppb
Iron	57-2	38684.49	38418.20	38694.56	38599.08	0.41	ppb
Krypton	83-1						cps
Lead	206-1	41.29	41.68	42.16	41.71	1.04	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-18	Instrumnet Name :	P8
Client Sample ID :	MYD5Y9	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 13:14:06	DataFile Name :	048AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	42.44	42.23	43.00	42.55	0.94	ppb
Lead	208-1	42.68	42.26	42.77	42.57	0.63	ppb
Lithium	6-1				94		%
Magnesium	24-2	11234.12	11170.10	11343.92	11249.38	0.78	ppb
Manganese	55-2	1165.39	1138.76	1157.52	1153.89	1.19	ppb
Molybdenum	94-1	6.90	7.21	7.21	7.10	2.52	ppb
Molybdenum	95-1	0.48	0.51	0.50	0.50	3.94	ppb
Molybdenum	96-1	1.25	1.33	1.30	1.29	3.15	ppb
Molybdenum	97-1	0.51	0.50	0.52	0.51	1.69	ppb
Molybdenum	98-1	0.49	0.51	0.47	0.49	4.17	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	35.50	35.03	35.42	35.32	0.71	ppb
Phosphorus	31-2	2173.44	2164.52	2215.12	2184.36	1.24	ppb
Potassium	39-2	5129.65	5154.32	5103.93	5129.30	0.49	ppb
Rhodium	103-1				97		%
Rhodium	103-2				96		%
Scandium	45-1				99		%
Scandium	45-2				94		%
Selenium	82-1	0.75	0.83	0.43	0.67	31.25	ppb
Selenium	77-2	30.88	35.05	34.53	33.49	6.79	ppb
Selenium	78-2	8.27	7.54	8.92	8.24	8.38	ppb
Silicon	28-1	2340.27	2345.40	2333.38	2339.69	0.26	ppb
Silver	107-1	0.15	0.14	0.15	0.15	2.66	ppb
Silver	109-1	0.15	0.15	0.15	0.15	2.57	ppb
Sodium	23-2	169.65	167.92	168.38	168.65	0.53	ppb
Strontium	86-1	48.63	49.69	48.69	49.00	1.21	ppb
Strontium	88-1	50.34	51.17	50.55	50.68	0.86	ppb
Sulfur	34-1	-157.66	-145.24	-173.63	-158.84		ppb
Terbium	159-1				103		%
Terbium	159-2				100		%
Thallium	203-1	0.17	0.17	0.17	0.17	1.27	ppb
Thallium	205-1	0.17	0.17	0.17	0.17	1.71	ppb
Tin	118-1	4.47	4.60	4.54	4.54	1.42	ppb
Titanium	47-1	479.42	470.21	467.43	472.35	1.33	ppb
Uranium	238-1	0.48	0.49	0.48	0.48	0.86	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-18	Instrumnet Name :	P8
Client Sample ID :	MYD5Y9	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 13:14:06	DataFile Name :	048AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	59.77	59.38	59.58	59.57	0.33	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	193.22	193.00	193.24	193.15	0.07	ppb
Zirconium	90-1	3.78	3.88	3.82	3.83	1.33	ppb
Zirconium	91-1	3.67	3.87	3.79	3.77	2.75	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	CCV002	Instrumnet Name :	P8
Client Sample ID :	CCV002	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 13:17:16	DataFile Name :	049CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	47945.43	48102.97	48546.91	48198.44	0.65	ppb
Antimony	121-1	478.77	487.64	474.49	480.30	1.40	ppb
Arsenic	75-2	506.67	506.00	514.16	508.95	0.89	ppb
Barium	135-1	2426.18	2507.07	2445.67	2459.64	1.72	ppb
Barium	137-1	2448.89	2525.99	2477.00	2483.96	1.57	ppb
Beryllium	9-1	472.80	480.33	481.11	478.08	0.96	ppb
Bismuth	209-1				82		%
Bismuth	209-2				82		%
Bromine	81-1						cps
Cadmium	108-1	473.68	484.70	475.14	477.84	1.25	ppb
Cadmium	106-1	468.44	481.72	472.11	474.09	1.45	ppb
Cadmium	111-1	477.97	488.25	477.74	481.32	1.25	ppb
Calcium	43-1	249981.00	245032.13	243706.85	246240.00	1.34	ppb
Calcium	44-1	245276.72	245495.87	242195.97	244322.85	0.76	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	505.32	495.61	498.84	499.92	0.99	ppb
Cobalt	59-2	527.85	519.82	517.66	521.78	1.03	ppb
Copper	63-2	4998.56	4977.07	4952.09	4975.91	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				95		%
Holmium	165-2				96		%
Indium	115-1				88		%
Indium	115-2				91		%
Iron	54-2	128834.28	127121.00	128402.52	128119.27	0.70	ppb
Iron	56-2	129336.55	126720.49	127631.70	127896.25	1.04	ppb
Iron	57-2	128868.65	126527.03	127293.06	127562.91	0.94	ppb
Krypton	83-1						cps
Lead	206-1	2492.63	2566.74	2504.67	2521.35	1.58	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	CCV002	Instrumnet Name :	P8
Client Sample ID :	CCV002	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 13:17:16	DataFile Name :	049CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	2548.28	2606.91	2529.98	2561.73	1.57	ppb
Lead	208-1	2531.27	2569.82	2523.77	2541.62	0.97	ppb
Lithium	6-1				86		%
Magnesium	24-2	248465.94	247444.59	250518.27	248809.60	0.63	ppb
Manganese	55-2	4931.32	4898.10	4929.58	4919.67	0.38	ppb
Molybdenum	94-1	4977.99	5046.02	5027.75	5017.26	0.70	ppb
Molybdenum	95-1	4950.98	4983.96	4984.49	4973.14	0.39	ppb
Molybdenum	96-1	4946.08	5005.63	5007.46	4986.39	0.70	ppb
Molybdenum	97-1	4963.13	5038.56	5033.18	5011.63	0.84	ppb
Molybdenum	98-1	4955.46	5023.44	5001.13	4993.34	0.69	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	476.31	474.26	473.69	474.75	0.29	ppb
Phosphorus	31-2	9740.81	9655.67	9810.21	9735.56	0.80	ppb
Potassium	39-2	121717.89	120311.08	119933.81	120654.26	0.78	ppb
Rhodium	103-1				83		%
Rhodium	103-2				83		%
Scandium	45-1				92		%
Scandium	45-2				93		%
Selenium	82-1	496.04	501.31	501.94	499.77	0.65	ppb
Selenium	77-2	526.15	492.16	482.36	500.22	4.59	ppb
Selenium	78-2	504.63	497.98	507.94	503.52	1.01	ppb
Silicon	28-1	1077.45	1060.91	1067.28	1068.54	0.78	ppb
Silver	107-1	460.71	466.07	455.72	460.83	1.12	ppb
Silver	109-1	450.21	462.81	457.14	456.72	1.38	ppb
Sodium	23-2	251460.94	247896.15	248330.26	249229.12	0.78	ppb
Strontium	86-1	12250.39	12726.26	12497.18	12491.28	1.91	ppb
Strontium	88-1	12152.84	12560.41	12317.72	12343.66	1.66	ppb
Sulfur	34-1	9407.34	9190.73	9278.02	9292.03	1.17	ppb
Terbium	159-1				94		%
Terbium	159-2				95		%
Thallium	203-1	504.17	517.80	500.13	507.37	1.83	ppb
Thallium	205-1	501.98	512.56	505.68	506.74	1.06	ppb
Tin	118-1	483.45	491.38	481.82	485.55	1.05	ppb
Titanium	47-1	4997.01	5009.77	4961.53	4989.44	0.50	ppb
Uranium	238-1	516.76	529.90	515.14	520.60	1.55	ppb

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	CCV002	Instrumnet Name :	P8
Client Sample ID :	CCV002	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 13:17:16	DataFile Name :	049CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	510.99	504.06	512.42	509.16	0.88	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				93		%
Yttrium	89-2				95		%
Zinc	66-2	5009.31	4983.38	5011.82	5001.51	0.31	ppb
Zirconium	90-1	506.71	510.63	502.65	506.66	0.79	ppb
Zirconium	91-1	502.92	510.42	498.62	503.99	1.19	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	CCB002	Instrumnet Name :	P8
Client Sample ID :	CCB002	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 13:20:07	DataFile Name :	050CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.06	0.15	0.25	0.15	60.98	ppb
Antimony	121-1	0.15	0.21	0.28	0.21	29.18	ppb
Arsenic	75-2	0.02	0.04	0.00	0.02	84.20	ppb
Barium	135-1	0.07	0.05	0.07	0.06	16.25	ppb
Barium	137-1	0.09	0.07	0.05	0.07	25.95	ppb
Beryllium	9-1	0.13	0.12	0.09	0.11	14.83	ppb
Bismuth	209-1				101		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Cadmium	108-1	0.02	-0.02	0.02	0.01	332.61	ppb
Cadmium	106-1	-7.94	-7.81	-8.92	-8.22		ppb
Cadmium	111-1	-0.06	-0.07	-0.09	-0.07		ppb
Calcium	43-1	5.78	7.45	3.05	5.43	40.99	ppb
Calcium	44-1	5.85	5.18	2.69	4.57	36.43	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.01	0.00	0.01	0.01	95.15	ppb
Cobalt	59-2	0.02	0.02	0.01	0.02	19.38	ppb
Copper	63-2	1.01	1.03	0.96	1.00	3.91	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				103		%
Indium	115-1				102		%
Indium	115-2				102		%
Iron	54-2	1.51	2.05	2.37	1.97	22.09	ppb
Iron	56-2	2.07	1.57	1.32	1.65	23.09	ppb
Iron	57-2	2.06	1.61	1.63	1.77	14.42	ppb
Krypton	83-1						cps
Lead	206-1	0.12	0.09	0.08	0.10	19.23	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	CCB002	Instrumnet Name :	P8
Client Sample ID :	CCB002	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 13:20:07	DataFile Name :	050CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.12	0.09	0.09	0.10	19.52	ppb
Lead	208-1	0.12	0.10	0.09	0.10	18.40	ppb
Lithium	6-1				95		%
Magnesium	24-2	2.07	2.88	1.80	2.25	24.95	ppb
Manganese	55-2	0.15	0.12	0.11	0.13	15.49	ppb
Molybdenum	94-1	0.26	0.27	0.29	0.27	4.60	ppb
Molybdenum	95-1	0.24	0.19	0.22	0.21	12.22	ppb
Molybdenum	96-1	0.22	0.23	0.23	0.23	1.98	ppb
Molybdenum	97-1	0.24	0.19	0.21	0.22	11.81	ppb
Molybdenum	98-1	0.21	0.23	0.21	0.22	3.50	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.03	-0.06	-0.06	-0.05		ppb
Phosphorus	31-2	-23.76	-25.19	-20.22	-23.05		ppb
Potassium	39-2	-1.10	-1.16	-1.13	-1.13		ppb
Rhodium	103-1				100		%
Rhodium	103-2				101		%
Scandium	45-1				98		%
Scandium	45-2				95		%
Selenium	82-1	0.09	0.31	0.22	0.20	52.32	ppb
Selenium	77-2	-0.24	-0.24	-0.24	-0.24		ppb
Selenium	78-2	0.21	0.00	0.00	0.07	179.64	ppb
Silicon	28-1	-0.75	-0.63	-0.91	-0.76		ppb
Silver	107-1	0.03	0.03	0.02	0.03	16.13	ppb
Silver	109-1	0.03	0.03	0.02	0.03	17.72	ppb
Sodium	23-2	21.90	21.35	19.11	20.79	7.13	ppb
Strontium	86-1	0.33	0.24	0.22	0.26	22.74	ppb
Strontium	88-1	0.30	0.22	0.23	0.25	18.74	ppb
Sulfur	34-1	-677.09	-543.99	-598.33	-606.47		ppb
Terbium	159-1				102		%
Terbium	159-2				102		%
Thallium	203-1	0.06	0.05	0.05	0.06	10.96	ppb
Thallium	205-1	0.06	0.05	0.05	0.06	12.07	ppb
Tin	118-1	0.02	0.02	0.01	0.01	32.72	ppb
Titanium	47-1	0.13	0.10	0.10	0.11	17.63	ppb
Uranium	238-1	0.01	0.01	0.01	0.01	32.95	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	CCB002	Instrumnet Name :	P8
Client Sample ID :	CCB002	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 13:20:07	DataFile Name :	050CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.01	0.00	0.01	0.01	38.32	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				102		%
Yttrium	89-2				100		%
Zinc	66-2	0.12	0.10	0.14	0.12	14.44	ppb
Zirconium	90-1	0.04	0.04	0.04	0.04	8.62	ppb
Zirconium	91-1	0.05	0.06	0.06	0.06	13.52	ppb

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 10:32:15	DataFile Name :	004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	247	250	180	226	17.51	cps
Antimony	121-1	137	127	133	132	3.85	cps
Arsenic	75-2	7	10	10	9	21.63	cps
Barium	135-1	413	383	533	443	17.90	cps
Barium	137-1	697	720	780	732	5.87	cps
Beryllium	9-1	156	156	174	162	6.23	cps
Bismuth	209-1	27732982	27999707	27401641	27711443	1.08	cps
Bismuth	209-2	11105179	10949656	11001457	11018764	0.72	cps
Bromine	81-1	20422	20442	20031	20298	1.14	cps
Cadmium	108-1	63	63	60	62	3.09	cps
Cadmium	106-1	31229	31202	30878	31103	0.63	cps
Cadmium	111-1	3089	3086	3069	3081	0.34	cps
Calcium	43-1	897	827	920	881	5.51	cps
Calcium	44-1	18689	18202	17567	18153	3.10	cps
Carbon	12-1	4151235	4114042	4093534	4119604	0.71	cps
Carbon	12-2	38928	38731	38547	38735	0.49	cps
Chlorine	35-1	193542	192161	192934	192879	0.36	cps
Chlorine	35-2	843	883	997	908	8.76	cps
Chromium	52-2	1007	1027	1050	1028	2.11	cps
Cobalt	59-2	180	120	217	172	28.34	cps
Copper	63-2	5148	4851	4788	4929	3.90	cps
Dysprosium	156-1	2127	2290	2234	2217	3.74	cps
Dysprosium	156-2	93	87	100	93	7.14	cps
Erbium	164-1	303	320	317	313	2.81	cps
Erbium	164-2	117	97	90	101	13.73	cps
Gadolinium	160-1	677	567	533	592	12.67	cps
Gadolinium	160-2	643	590	640	624	4.78	cps
Holmium	165-1	43828371	43584811	43304126	43572436	0.60	cps
Holmium	165-2	14753311	15023588	15125181	14967360	1.28	cps
Indium	115-1	33676520	33274263	33137485	33362756	0.84	cps
Indium	115-2	3966420	3996770	4059287	4007492	1.18	cps
Iron	54-2	1043	1023	1023	1030	1.12	cps
Iron	56-2	11468	11902	11505	11625	2.07	cps
Iron	57-2	377	437	323	379	14.97	cps
Krypton	83-1	263	307	293	288	7.71	cps
Lead	206-1	793	813	783	797	1.92	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 10:32:15	DataFile Name :	004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	637	673	573	628	8.06	cps
Lead	208-1	2800	3090	3104	2998	5.72	cps
Lithium	6-1	14285507	13706805	13991524	13994612	2.07	cps
Magnesium	24-2	810	920	827	852	6.96	cps
Manganese	55-2	510	427	437	458	9.94	cps
Molybdenum	94-1	647	720	767	711	8.51	cps
Molybdenum	95-1	193	147	140	160	18.16	cps
Molybdenum	96-1	350	390	290	343	14.66	cps
Molybdenum	97-1	123	80	97	100	21.86	cps
Molybdenum	98-1	233	260	297	263	12.07	cps
Neodymium	150-1	27	43	27	32	29.85	cps
Neodymium	150-2	13	3	17	11	62.48	cps
Nickel	60-2	530	623	483	546	13.07	cps
Phosphorus	31-2	177	177	203	186	8.30	cps
Potassium	39-2	16279	16860	16209	16449	2.17	cps
Rhodium	103-1	30877443	30631685	30248457	30585862	1.04	cps
Rhodium	103-2	11479967	11359653	11468836	11436152	0.58	cps
Scandium	45-1	21683053	21029906	20926525	21213161	1.93	cps
Scandium	45-2	535213	534605	538255	536025	0.36	cps
Selenium	82-1	-10	-97	-53	-53	-81.25	cps
Selenium	77-2	0	3	3	2	86.60	cps
Selenium	78-2	20	3	17	13	66.16	cps
Silicon	28-1	678581	676862	679221	678221	0.18	cps
Silver	107-1	433	373	343	383	11.95	cps
Silver	109-1	140	77	123	113	28.97	cps
Sodium	23-2	23556	23926	24227	23903	1.41	cps
Strontium	86-1	450	583	483	506	13.73	cps
Strontium	88-1	1403	1543	1403	1450	5.57	cps
Sulfur	34-1	629273	630232	629312	629606	0.09	cps
Terbium	159-1	45309731	44106411	43556307	44324150	2.02	cps
Terbium	159-2	14817432	14840242	14801775	14819816	0.13	cps
Thallium	203-1	213	210	167	197	13.24	cps
Thallium	205-1	457	473	423	451	5.64	cps
Tin	118-1	3657	4379	3517	3851	12.01	cps
Titanium	47-1	280	270	293	281	4.16	cps
Uranium	238-1	97	77	73	82	15.35	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 10:32:15	DataFile Name :	004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	20	17	13	17	20.01	cps
Ytterbium	172-1	310	277	290	292	5.74	cps
Ytterbium	172-2	123	147	130	133	9.01	cps
Ytterbium	176-1	12800	12539	12209	12516	2.36	cps
Ytterbium	176-2	52905	53515	54840	53753	1.84	cps
Yttrium	89-1	48352026	48427319	47389314	48056220	1.20	cps
Yttrium	89-2	4129447	4104694	4113600	4115913	0.30	cps
Zinc	66-2	1663	1663	1737	1688	2.51	cps
Zirconium	90-1	2484	2420	2477	2460	1.41	cps
Zirconium	91-1	363	303	463	377	21.46	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 10:35:33	DataFile Name :	005CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4217	4077	3797	4031	5.31	cps
Antimony	121-1	48004	48345	48288	48212	0.38	cps
Arsenic	75-2	490	547	563	533	7.21	cps
Barium	135-1	68878	68877	69041	68932	0.14	cps
Barium	137-1	120212	118913	120393	119840	0.67	cps
Beryllium	9-1	7173	7120	7191	7161	0.52	cps
Bismuth	209-1	24224880	28730772	27064849	26673500	8.54	cps
Bismuth	209-2	10935424	11208920	11334935	11159760	1.83	cps
Bromine	81-1	19724	19847	19774	19782	0.31	cps
Cadmium	108-1	653	600	580	611	6.20	cps
Cadmium	106-1	28422	32051	31225	30566	6.22	cps
Cadmium	111-1	9280	9510	9545	9445	1.52	cps
Calcium	43-1	45492	45595	46161	45749	0.79	cps
Calcium	44-1	740887	745749	737725	741454	0.55	cps
Carbon	12-1	4223331	4297426	4326318	4282358	1.24	cps
Carbon	12-2	40907	40348	40790	40682	0.72	cps
Chlorine	35-1	204155	204273	204631	204353	0.12	cps
Chlorine	35-2	1047	1077	990	1038	4.24	cps
Chromium	52-2	13557	13196	13560	13438	1.56	cps
Cobalt	59-2	11822	12155	12289	12089	1.99	cps
Copper	63-2	23132	23216	22598	22982	1.46	cps
Dysprosium	156-1	2264	2210	2160	2211	2.34	cps
Dysprosium	156-2	117	83	127	109	20.84	cps
Erbium	164-1	240	337	370	316	21.40	cps
Erbium	164-2	120	120	113	118	3.26	cps
Gadolinium	160-1	503	640	617	587	12.46	cps
Gadolinium	160-2	537	697	553	596	14.77	cps
Holmium	165-1	38798318	45743121	43978726	42840055	8.43	cps
Holmium	165-2	15237599	15134159	15232040	15201266	0.38	cps
Indium	115-1	29506329	34395896	33459067	32453764	8.00	cps
Indium	115-2	4066935	4125705	4010596	4067746	1.42	cps
Iron	54-2	15278	15328	15415	15341	0.45	cps
Iron	56-2	271128	266964	269237	269110	0.77	cps
Iron	57-2	7332	7038	6855	7075	3.40	cps
Krypton	83-1	293	243	263	267	9.44	cps
Lead	206-1	24847	24767	24507	24707	0.72	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 10:35:33	DataFile Name :	005CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	21899	21441	21551	21630	1.10	cps
Lead	208-1	100082	99577	99374	99678	0.37	cps
Lithium	6-1	12325823	14262449	13937134	13508469	7.68	cps
Magnesium	24-2	264214	263138	262376	263242	0.35	cps
Manganese	55-2	4191	4294	3954	4146	4.21	cps
Molybdenum	94-1	54643	55162	55480	55095	0.77	cps
Molybdenum	95-1	66307	66106	66987	66467	0.70	cps
Molybdenum	96-1	73563	73165	74934	73887	1.26	cps
Molybdenum	97-1	41432	40332	40703	40822	1.37	cps
Molybdenum	98-1	105786	106669	106847	106434	0.53	cps
Neodymium	150-1	37	57	57	50	23.09	cps
Neodymium	150-2	17	7	10	11	45.82	cps
Nickel	60-2	3707	3524	3480	3570	3.37	cps
Phosphorus	31-2	540	403	463	469	14.61	cps
Potassium	39-2	190064	186927	189193	188728	0.86	cps
Rhodium	103-1	26793745	31816726	30133810	29581427	8.64	cps
Rhodium	103-2	11435178	11511402	11623158	11523246	0.82	cps
Scandium	45-1	18737041	22209438	21013302	20653260	8.54	cps
Scandium	45-2	538967	539604	539015	539196	0.07	cps
Selenium	82-1	2157	1980	2147	2095	4.74	cps
Selenium	77-2	30	30	53	38	35.66	cps
Selenium	78-2	160	143	180	161	11.39	cps
Silicon	28-1	820184	822208	827725	823373	0.47	cps
Silver	107-1	35115	35018	35516	35216	0.75	cps
Silver	109-1	33120	33424	33177	33240	0.49	cps
Sodium	23-2	522255	519727	515674	519219	0.64	cps
Strontium	86-1	9620	9577	9703	9633	0.67	cps
Strontium	88-1	80533	80289	80313	80378	0.17	cps
Sulfur	34-1	623715	622138	622393	622749	0.14	cps
Terbium	159-1	39279729	45776629	44156763	43071040	7.85	cps
Terbium	159-2	14762978	15153899	14960701	14959192	1.31	cps
Thallium	203-1	29286	29240	29310	29279	0.12	cps
Thallium	205-1	72260	72223	71204	71895	0.83	cps
Tin	118-1	120980	120826	120370	120725	0.26	cps
Titanium	47-1	20488	20007	19777	20091	1.81	cps
Uranium	238-1	98773	97540	98085	98133	0.63	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 10:35:33	DataFile Name :	005CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	24698	23993	24825	24506	1.83	cps
Ytterbium	172-1	267	277	307	283	7.35	cps
Ytterbium	172-2	113	93	93	100	11.55	cps
Ytterbium	176-1	10942	12463	12142	11849	6.77	cps
Ytterbium	176-2	53816	54180	54813	54270	0.93	cps
Yttrium	89-1	42693687	49486156	47873114	46684319	7.60	cps
Yttrium	89-2	4194534	4103295	4186178	4161336	1.21	cps
Zinc	66-2	6955	6862	6458	6758	3.91	cps
Zirconium	90-1	48290	47765	46959	47671	1.41	cps
Zirconium	91-1	10701	10564	10451	10572	1.18	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 10:38:54	DataFile Name :	006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	190492	188056	187384	188644	0.87	cps
Antimony	121-1	1219727	1237047	1242646	1233140	0.97	cps
Arsenic	75-2	25082	24899	24488	24823	1.23	cps
Barium	135-1	1897431	1927994	1858482	1894636	1.84	cps
Barium	137-1	3231419	3254297	3283908	3256541	0.81	cps
Beryllium	9-1	355352	358953	361083	358463	0.81	cps
Bismuth	209-1	26473018	27253924	27937282	27221408	2.69	cps
Bismuth	209-2	11322240	11008554	11019040	11116611	1.60	cps
Bromine	81-1	19534	19731	20135	19800	1.55	cps
Cadmium	108-1	30768	30584	31272	30875	1.15	cps
Cadmium	106-1	72372	73028	72533	72644	0.47	cps
Cadmium	111-1	323269	331617	330241	328375	1.36	cps
Calcium	43-1	520212	529151	529349	526237	0.99	cps
Calcium	44-1	8358416	8361491	8554603	8424837	1.33	cps
Carbon	12-1	4269955	4279982	4278975	4276304	0.13	cps
Carbon	12-2	40850	40335	40940	40708	0.80	cps
Chlorine	35-1	203128	202174	201272	202191	0.46	cps
Chlorine	35-2	1063	1050	947	1020	6.26	cps
Chromium	52-2	319647	320470	321749	320622	0.33	cps
Cobalt	59-2	589545	586329	590863	588912	0.40	cps
Copper	63-2	4862067	4966651	4834214	4887644	1.43	cps
Dysprosium	156-1	2257	2044	1933	2078	7.91	cps
Dysprosium	156-2	107	127	113	116	8.81	cps
Erbium	164-1	283	347	303	311	10.41	cps
Erbium	164-2	83	90	110	94	14.70	cps
Gadolinium	160-1	650	577	597	608	6.24	cps
Gadolinium	160-2	623	663	740	676	8.78	cps
Holmium	165-1	42672571	43990781	43765774	43476375	1.62	cps
Holmium	165-2	15449063	15481129	15109776	15346656	1.34	cps
Indium	115-1	32546941	32454299	33593132	32864791	1.92	cps
Indium	115-2	4137516	4089152	4032966	4086545	1.28	cps
Iron	54-2	733344	734506	734496	734115	0.09	cps
Iron	56-2	13681279	13734540	13696845	13704221	0.20	cps
Iron	57-2	334205	336302	331786	334098	0.68	cps
Krypton	83-1	303	320	307	310	2.85	cps
Lead	206-1	6217218	6359216	6456104	6344179	1.89	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 10:38:54	DataFile Name :	006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	5566207	5515963	5539966	5540712	0.45	cps
Lead	208-1	25200133	25349933	25797105	25449057	1.22	cps
Lithium	6-1	13995342	14012797	13990073	13999404	0.08	cps
Magnesium	24-2	2680548	2633062	2685480	2666363	1.09	cps
Manganese	55-2	1735494	1739204	1703797	1726165	1.13	cps
Molybdenum	94-1	5193880	5246645	5333458	5257995	1.34	cps
Molybdenum	95-1	7580477	7686791	7662531	7643266	0.73	cps
Molybdenum	96-1	8205644	8342322	8278926	8275631	0.83	cps
Molybdenum	97-1	4647418	4761816	4783090	4730775	1.54	cps
Molybdenum	98-1	12112886	12424920	12492199	12343335	1.64	cps
Neodymium	150-1	287	280	310	292	5.39	cps
Neodymium	150-2	37	17	10	21	65.74	cps
Nickel	60-2	159755	159951	158525	159411	0.48	cps
Phosphorus	31-2	7912	8249	7879	8013	2.56	cps
Potassium	39-2	915135	914723	915959	915272	0.07	cps
Rhodium	103-1	29644241	30219921	30842579	30235580	1.98	cps
Rhodium	103-2	11584424	11545883	11457879	11529395	0.56	cps
Scandium	45-1	20669999	20702321	21027744	20800021	0.95	cps
Scandium	45-2	549190	549041	547266	548499	0.20	cps
Selenium	82-1	20552	20936	21133	20874	1.42	cps
Selenium	77-2	477	493	483	484	1.73	cps
Selenium	78-2	1813	1670	1757	1747	4.13	cps
Silicon	28-1	3744761	3731934	3776143	3750946	0.61	cps
Silver	107-1	1953671	1979760	1953089	1962173	0.78	cps
Silver	109-1	1813107	1863004	1814448	1830186	1.55	cps
Sodium	23-2	5335990	5281843	5321856	5313229	0.53	cps
Strontium	86-1	12004168	12019929	12149601	12057899	0.66	cps
Strontium	88-1	103741255	105383262	104681348	104601955	0.79	cps
Sulfur	34-1	776454	775551	772720	774908	0.25	cps
Terbium	159-1	42559275	43916449	44316816	43597514	2.11	cps
Terbium	159-2	15014443	15173005	14955336	15047595	0.75	cps
Thallium	203-1	1512766	1525128	1550095	1529330	1.24	cps
Thallium	205-1	3731838	3756019	3880193	3789350	2.10	cps
Tin	118-1	1221438	1244156	1242204	1235933	1.02	cps
Titanium	47-1	2212851	2236583	2202298	2217244	0.79	cps
Uranium	238-1	5151963	5367327	5431283	5316858	2.75	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 10:38:54	DataFile Name :	006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	253090	248361	250486	250646	0.94	cps
Ytterbium	172-1	330	270	260	287	13.21	cps
Ytterbium	172-2	150	110	117	126	17.07	cps
Ytterbium	176-1	18793	19127	18573	18831	1.48	cps
Ytterbium	176-2	56724	56979	57073	56925	0.32	cps
Yttrium	89-1	46693473	48189773	48324769	47736005	1.90	cps
Yttrium	89-2	4233503	4120674	4122655	4158944	1.55	cps
Zinc	66-2	449255	451664	450021	450313	0.27	cps
Zirconium	90-1	2535578	2599099	2526492	2553723	1.55	cps
Zirconium	91-1	528325	541478	539365	536389	1.32	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 10:41:55	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	470080	470346	465828	468751	0.54	cps
Antimony	121-1	3148627	3220242	3277658	3215509	2.01	cps
Arsenic	75-2	62759	62919	63131	62936	0.30	cps
Barium	135-1	4528636	4734239	4795926	4686267	2.99	cps
Barium	137-1	7798697	8194165	8101994	8031619	2.58	cps
Beryllium	9-1	886881	895464	904371	895572	0.98	cps
Bismuth	209-1	27013251	26843682	27185830	27014254	0.63	cps
Bismuth	209-2	10967732	10884293	10954407	10935477	0.41	cps
Bromine	81-1	20054	19457	19270	19594	2.09	cps
Cadmium	108-1	75820	76658	78049	76842	1.47	cps
Cadmium	106-1	134706	137346	135181	135744	1.04	cps
Cadmium	111-1	815579	818266	823117	818987	0.47	cps
Calcium	43-1	1437077	1444936	1419948	1433987	0.89	cps
Calcium	44-1	21389774	21370916	21220991	21327227	0.43	cps
Carbon	12-1	4360380	4401685	4423903	4395322	0.73	cps
Carbon	12-2	42374	43217	43176	42922	1.11	cps
Chlorine	35-1	207028	206041	207302	206790	0.32	cps
Chlorine	35-2	1053	1027	933	1004	6.27	cps
Chromium	52-2	811221	805166	811965	809451	0.46	cps
Cobalt	59-2	1536226	1547780	1535026	1539677	0.46	cps
Copper	63-2	12111885	11990934	12085753	12062857	0.53	cps
Dysprosium	156-1	2010	1880	1853	1915	4.38	cps
Dysprosium	156-2	113	160	150	141	17.41	cps
Erbium	164-1	327	390	360	359	8.83	cps
Erbium	164-2	110	140	120	123	12.39	cps
Gadolinium	160-1	603	507	577	562	8.88	cps
Gadolinium	160-2	630	663	633	642	2.86	cps
Holmium	165-1	44360874	43892903	44021784	44091854	0.55	cps
Holmium	165-2	15688602	15578918	15540516	15602679	0.49	cps
Indium	115-1	33243024	33517721	33475020	33411922	0.44	cps
Indium	115-2	4119363	4007516	4048137	4058339	1.40	cps
Iron	54-2	1944113	1931903	1933000	1936339	0.35	cps
Iron	56-2	34726055	33956189	34391873	34358039	1.12	cps
Iron	57-2	846178	834400	844037	841539	0.75	cps
Krypton	83-1	293	287	277	286	2.94	cps
Lead	206-1	15812483	15704264	15691732	15736160	0.42	cps

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Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 10:41:55	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	13753484	13887487	13582446	13741139	1.11	cps
Lead	208-1	62874084	62986982	62679724	62846930	0.25	cps
Lithium	6-1	14303056	14195759	14150895	14216570	0.55	cps
Magnesium	24-2	6625992	6614420	6607003	6615805	0.14	cps
Manganese	55-2	4385404	4308701	4321261	4338455	0.95	cps
Molybdenum	94-1	13288015	13296556	13405643	13330071	0.49	cps
Molybdenum	95-1	19562296	19583088	19355656	19500346	0.64	cps
Molybdenum	96-1	20898936	21148804	21160549	21069430	0.70	cps
Molybdenum	97-1	11843229	12072967	12057138	11991111	1.07	cps
Molybdenum	98-1	31164175	31602768	31287881	31351608	0.72	cps
Neodymium	150-1	683	633	817	711	13.33	cps
Neodymium	150-2	37	47	80	54	41.67	cps
Nickel	60-2	397906	391841	396707	395485	0.81	cps
Phosphorus	31-2	20158	19984	19964	20035	0.53	cps
Potassium	39-2	2365805	2399666	2393672	2386381	0.76	cps
Rhodium	103-1	29822203	30136590	29958609	29972467	0.53	cps
Rhodium	103-2	11552114	11379344	11577633	11503030	0.94	cps
Scandium	45-1	21259022	21267766	21387946	21304911	0.34	cps
Scandium	45-2	556371	551424	554856	554217	0.46	cps
Selenium	82-1	52572	52462	52552	52529	0.11	cps
Selenium	77-2	1250	1253	1340	1281	3.98	cps
Selenium	78-2	4311	4421	4287	4340	1.64	cps
Silicon	28-1	8476037	8399655	8485295	8453662	0.56	cps
Silver	107-1	4775848	4867494	4874732	4839358	1.14	cps
Silver	109-1	4552491	4550379	4558300	4553723	0.09	cps
Sodium	23-2	13440912	13361924	13158480	13320439	1.09	cps
Strontium	86-1	30253830	30257599	30754683	30422037	0.95	cps
Strontium	88-1	266367143	265128036	265108903	265534694	0.27	cps
Sulfur	34-1	994352	966884	961152	974129	1.82	cps
Terbium	159-1	44150108	44854316	45691586	44898670	1.72	cps
Terbium	159-2	15157165	15105120	15188297	15150194	0.28	cps
Thallium	203-1	3872889	3925292	3924549	3907577	0.77	cps
Thallium	205-1	9045958	9248064	9211121	9168381	1.17	cps
Tin	118-1	3190631	3242807	3244635	3226024	0.95	cps
Titanium	47-1	5603548	5661761	5611631	5625646	0.56	cps
Uranium	238-1	13038848	13073134	13140698	13084226	0.40	cps

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LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 10:41:55	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	635720	634148	635514	635127	0.13	cps
Ytterbium	172-1	283	337	307	309	8.65	cps
Ytterbium	172-2	123	157	127	136	13.54	cps
Ytterbium	176-1	28995	29102	29536	29211	0.98	cps
Ytterbium	176-2	60015	60297	61613	60642	1.41	cps
Yttrium	89-1	47924019	48848178	48975906	48582701	1.18	cps
Yttrium	89-2	4261136	4241593	4277633	4260121	0.42	cps
Zinc	66-2	1130826	1129547	1130710	1130361	0.06	cps
Zirconium	90-1	6344156	6427070	6320034	6363753	0.88	cps
Zirconium	91-1	1411800	1441406	1424210	1425805	1.04	cps

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Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 10:44:59	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	932305	930279	938097	933560	0.43	cps
Antimony	121-1	6226529	6397870	6407875	6344092	1.61	cps
Arsenic	75-2	127965	127033	126189	127062	0.70	cps
Barium	135-1	9220550	9392935	9507918	9373801	1.54	cps
Barium	137-1	15985260	15959965	16237169	16060798	0.95	cps
Beryllium	9-1	1831341	1842306	1870990	1848212	1.11	cps
Bismuth	209-1	26565719	27165719	26884706	26872048	1.12	cps
Bismuth	209-2	10944590	10901402	10887624	10911206	0.27	cps
Bromine	81-1	20776	20268	21053	20699	1.92	cps
Cadmium	108-1	149881	152908	154434	152408	1.52	cps
Cadmium	106-1	243082	244703	247210	244999	0.85	cps
Cadmium	111-1	1682915	1691725	1704115	1692918	0.63	cps
Calcium	43-1	2828226	2829721	2896364	2851437	1.36	cps
Calcium	44-1	42523489	42947993	42818953	42763478	0.51	cps
Carbon	12-1	4496165	4535471	4601034	4544223	1.17	cps
Carbon	12-2	44213	43965	44644	44274	0.78	cps
Chlorine	35-1	211255	211722	213629	212202	0.59	cps
Chlorine	35-2	1083	1063	987	1044	4.89	cps
Chromium	52-2	1721365	1751665	1715559	1729530	1.12	cps
Cobalt	59-2	3118172	3066832	3103239	3096081	0.85	cps
Copper	63-2	23959524	23614323	23713555	23762467	0.75	cps
Dysprosium	156-1	2027	1897	1867	1930	4.41	cps
Dysprosium	156-2	160	190	167	172	9.15	cps
Erbium	164-1	367	367	383	372	2.58	cps
Erbium	164-2	123	167	133	141	16.08	cps
Gadolinium	160-1	647	673	717	679	5.20	cps
Gadolinium	160-2	723	697	640	687	6.20	cps
Holmium	165-1	43827726	44300724	44984128	44370859	1.31	cps
Holmium	165-2	15886784	15785043	15740655	15804161	0.47	cps
Indium	115-1	32821769	33526759	33339765	33229431	1.10	cps
Indium	115-2	4162422	4191779	4124404	4159535	0.81	cps
Iron	54-2	3797974	3817577	3827720	3814424	0.40	cps
Iron	56-2	69209682	68692699	68630287	68844223	0.46	cps
Iron	57-2	1788821	1747337	1745458	1760539	1.39	cps
Krypton	83-1	307	257	300	288	9.43	cps
Lead	206-1	31185969	31569313	31527588	31427623	0.67	cps

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 10:44:59	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	26641176	27385745	28003764	27343562	2.50	cps
Lead	208-1	123280426	126502222	126431444	125404697	1.47	cps
Lithium	6-1	13791389	13910905	14302232	14001508	1.91	cps
Magnesium	24-2	13330286	13250583	13361013	13313960	0.43	cps
Manganese	55-2	8611619	8653565	8647340	8637508	0.26	cps
Molybdenum	94-1	26347729	26852500	26875695	26691975	1.12	cps
Molybdenum	95-1	38029900	38681881	38894755	38535512	1.17	cps
Molybdenum	96-1	41925029	41869162	42557561	42117250	0.91	cps
Molybdenum	97-1	24081740	24127278	24466992	24225337	0.87	cps
Molybdenum	98-1	61720862	62705256	62986367	62470829	1.06	cps
Neodymium	150-1	1417	1347	1367	1377	2.62	cps
Neodymium	150-2	73	53	73	67	17.32	cps
Nickel	60-2	787880	780359	786132	784790	0.50	cps
Phosphorus	31-2	39099	40296	39684	39693	1.51	cps
Potassium	39-2	4774924	4738887	4728297	4747369	0.51	cps
Rhodium	103-1	30051691	29984956	30557440	30198029	1.04	cps
Rhodium	103-2	11572802	11505731	11520854	11533129	0.31	cps
Scandium	45-1	21452547	21590425	21632556	21558509	0.44	cps
Scandium	45-2	561947	560431	565456	562611	0.46	cps
Selenium	82-1	105512	105371	105515	105466	0.08	cps
Selenium	77-2	2507	2514	2587	2536	1.75	cps
Selenium	78-2	8870	8523	8706	8699	1.99	cps
Silicon	28-1	15946395	16226229	16270560	16147728	1.09	cps
Silver	107-1	9381163	9620550	9465114	9488942	1.28	cps
Silver	109-1	8830611	8849694	9123154	8934486	1.83	cps
Sodium	23-2	26948247	26726250	26866920	26847139	0.42	cps
Strontium	86-1	60152686	60737172	62328366	61072741	1.84	cps
Strontium	88-1	526579925	530949552	534831112	530786863	0.78	cps
Sulfur	34-1	1328370	1317624	1319184	1321726	0.44	cps
Terbium	159-1	44592813	45731008	45322861	45215560	1.28	cps
Terbium	159-2	15394105	15504344	15466314	15454921	0.36	cps
Thallium	203-1	7719450	7840752	7739836	7766679	0.84	cps
Thallium	205-1	18374522	18725976	18799706	18633401	1.22	cps
Tin	118-1	6261361	6363212	6345004	6323192	0.86	cps
Titanium	47-1	11246002	11288133	11157719	11230618	0.59	cps
Uranium	238-1	25880528	26726465	26685114	26430702	1.80	cps

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LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 10:44:59	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1323823	1316581	1319248	1319884	0.28	cps
Ytterbium	172-1	337	397	443	392	13.63	cps
Ytterbium	172-2	173	173	143	163	10.60	cps
Ytterbium	176-1	45943	46632	47027	46534	1.18	cps
Ytterbium	176-2	67330	67856	68131	67773	0.60	cps
Yttrium	89-1	49340968	49038539	50075011	49484839	1.08	cps
Yttrium	89-2	4317751	4395273	4332749	4348591	0.95	cps
Zinc	66-2	2363477	2331947	2337311	2344245	0.72	cps
Zirconium	90-1	12796988	12966756	13002103	12921949	0.85	cps
Zirconium	91-1	2855060	2914228	2899702	2889663	1.07	cps

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 10:48:01	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1905301	1934180	1914192	1917891	0.77	cps
Antimony	121-1	12717942	12759419	12832667	12770009	0.45	cps
Arsenic	75-2	251748	250357	252447	251518	0.42	cps
Barium	135-1	18832085	18781352	18810949	18808129	0.14	cps
Barium	137-1	31829715	32371901	31890286	32030634	0.93	cps
Beryllium	9-1	3655070	3609782	3542808	3602553	1.57	cps
Bismuth	209-1	23129326	25619291	28775550	25841389	10.95	cps
Bismuth	209-2	10817590	10556315	10662698	10678868	1.23	cps
Bromine	81-1	21343	21270	21209	21274	0.31	cps
Cadmium	108-1	299114	305392	300199	301568	1.11	cps
Cadmium	106-1	449141	449436	456297	451625	0.90	cps
Cadmium	111-1	3361910	3335884	3399926	3365906	0.96	cps
Calcium	43-1	5751758	5691317	5674513	5705863	0.71	cps
Calcium	44-1	87004065	85731149	85501429	86078881	0.94	cps
Carbon	12-1	4831216	4911035	5005102	4915784	1.77	cps
Carbon	12-2	48971	48356	49135	48821	0.84	cps
Chlorine	35-1	229155	230854	230747	230252	0.41	cps
Chlorine	35-2	1220	1223	1167	1203	2.64	cps
Chromium	52-2	3369957	3437465	3415646	3407689	1.01	cps
Cobalt	59-2	6037016	6027303	6011858	6025392	0.21	cps
Copper	63-2	46859141	46095273	46330729	46428381	0.84	cps
Dysprosium	156-1	2230	2317	2287	2278	1.93	cps
Dysprosium	156-2	307	300	363	323	10.76	cps
Erbium	164-1	470	397	517	461	13.12	cps
Erbium	164-2	153	170	167	163	5.40	cps
Gadolinium	160-1	640	703	757	700	8.34	cps
Gadolinium	160-2	730	710	653	698	5.70	cps
Holmium	165-1	39228527	43744546	48716741	43896605	10.81	cps
Holmium	165-2	15798711	15682894	15445811	15642472	1.15	cps
Indium	115-1	28652469	32268932	35813353	32244918	11.10	cps
Indium	115-2	4103286	4079446	4050090	4077607	0.65	cps
Iron	54-2	7580592	7557201	7509072	7548955	0.48	cps
Iron	56-2	137093185	135448725	136157098	136233002	0.61	cps
Iron	57-2	3488530	3414923	3438515	3447323	1.09	cps
Krypton	83-1	403	437	433	424	4.33	cps
Lead	206-1	62077619	62195154	62081787	62118187	0.11	cps

Reviewed By:mohan
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LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 10:48:01	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	54106949	53408634	53746699	53754094	0.65	cps
Lead	208-1	248844353	246772996	248060728	247892692	0.42	cps
Lithium	6-1	12795923	13875243	14710274	13793813	6.96	cps
Magnesium	24-2	26272657	26710517	26416542	26466572	0.84	cps
Manganese	55-2	17350687	17406331	17175842	17310953	0.69	cps
Molybdenum	94-1	53203869	54081423	53448411	53577901	0.85	cps
Molybdenum	95-1	77826152	78915699	78470936	78404262	0.70	cps
Molybdenum	96-1	85053929	85715015	84977534	85248826	0.48	cps
Molybdenum	97-1	48019406	48746486	48510781	48425558	0.77	cps
Molybdenum	98-1	126623465	126702538	126588145	126638049	0.05	cps
Neodymium	150-1	2864	2720	2820	2801	2.62	cps
Neodymium	150-2	150	117	103	123	19.49	cps
Nickel	60-2	1656090	1641717	1617742	1638516	1.18	cps
Phosphorus	31-2	78350	78970	79442	78921	0.69	cps
Potassium	39-2	9552110	9421695	9517817	9497207	0.71	cps
Rhodium	103-1	25866155	28953181	32374230	29064522	11.20	cps
Rhodium	103-2	11294595	11386082	11153330	11278002	1.04	cps
Scandium	45-1	18988473	21344479	23240963	21191305	10.05	cps
Scandium	45-2	562195	556629	558512	559112	0.51	cps
Selenium	82-1	209276	211313	209040	209877	0.60	cps
Selenium	77-2	5068	5061	5158	5095	1.06	cps
Selenium	78-2	16924	17134	17191	17083	0.82	cps
Silicon	28-1	31587486	31122245	30877874	31195868	1.16	cps
Silver	107-1	18364580	18432227	18444363	18413723	0.23	cps
Silver	109-1	17635493	17437854	17507721	17527023	0.57	cps
Sodium	23-2	53071614	53370819	53718286	53386906	0.61	cps
Strontium	86-1	124375791	123039895	123641655	123685780	0.54	cps
Strontium	88-1	1065055157	1068606331	1067039611	1066900366	0.17	cps
Sulfur	34-1	2051834	1988527	2001776	2014045	1.66	cps
Terbium	159-1	39238423	44266356	48749016	44084598	10.79	cps
Terbium	159-2	15416203	15485128	15192147	15364493	1.00	cps
Thallium	203-1	14997631	15151868	15212089	15120530	0.73	cps
Thallium	205-1	36500502	36624575	36906348	36677142	0.57	cps
Tin	118-1	12472906	12545332	12560542	12526260	0.37	cps
Titanium	47-1	23157770	22658768	22464907	22760482	1.57	cps
Uranium	238-1	52880159	52508378	52602343	52663626	0.37	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 10:48:01	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	2672212	2629272	2665862	2655782	0.87	cps
Ytterbium	172-1	510	433	487	477	8.24	cps
Ytterbium	172-2	190	217	210	206	6.75	cps
Ytterbium	176-1	79139	82348	82150	81212	2.21	cps
Ytterbium	176-2	79092	79222	81295	79870	1.55	cps
Yttrium	89-1	42647149	48497848	53453756	48199584	11.22	cps
Yttrium	89-2	4342054	4354739	4344568	4347120	0.15	cps
Zinc	66-2	4584999	4415703	4549449	4516717	1.98	cps
Zirconium	90-1	25362360	25720535	25527690	25536862	0.70	cps
Zirconium	91-1	5686482	5821007	5728878	5745456	1.20	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 10:51:05	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3929237	3942365	3926896	3932833	0.21	cps
Antimony	121-1	25601682	26053278	26005618	25886859	0.96	cps
Arsenic	75-2	506811	506741	500628	504727	0.70	cps
Barium	135-1	37839281	37674726	38606063	38040023	1.31	cps
Barium	137-1	64657659	64959511	64551591	64722920	0.33	cps
Beryllium	9-1	7019906	7194420	7196996	7137108	1.42	cps
Bismuth	209-1	25734701	25876283	26683200	26098062	1.96	cps
Bismuth	209-2	10285461	11162106	10737818	10728461	4.09	cps
Bromine	81-1	21146	21610	21687	21481	1.36	cps
Cadmium	108-1	589047	590227	587431	588902	0.24	cps
Cadmium	106-1	849882	861554	855029	855488	0.68	cps
Cadmium	111-1	6418432	6582220	6504620	6501757	1.26	cps
Calcium	43-1	11310209	11278990	11451582	11346927	0.81	cps
Calcium	44-1	171015997	172367957	175328457	172904137	1.28	cps
Carbon	12-1	5356945	5709283	5897260	5654496	4.85	cps
Carbon	12-2	56585	57679	57515	57260	1.03	cps
Chlorine	35-1	263514	269790	275034	269446	2.14	cps
Chlorine	35-2	1263	1407	1480	1383	7.97	cps
Chromium	52-2	6882235	6887689	6867424	6879116	0.15	cps
Cobalt	59-2	12155071	12037246	12047189	12079835	0.54	cps
Copper	63-2	93086205	91825485	91308515	92073402	0.99	cps
Dysprosium	156-1	2850	2827	2750	2809	1.86	cps
Dysprosium	156-2	513	557	533	534	4.06	cps
Erbium	164-1	667	670	607	648	5.50	cps
Erbium	164-2	193	220	157	190	16.73	cps
Gadolinium	160-1	863	863	860	862	0.22	cps
Gadolinium	160-2	723	867	767	786	9.36	cps
Holmium	165-1	45277888	45428729	46391411	45699343	1.32	cps
Holmium	165-2	15404251	17123680	16280802	16269577	5.28	cps
Indium	115-1	32461318	32753253	33075178	32763250	0.94	cps
Indium	115-2	3981907	4289367	4129054	4133443	3.72	cps
Iron	54-2	15263052	15334920	15069173	15222382	0.90	cps
Iron	56-2	277044116	273831836	272599056	274491669	0.84	cps
Iron	57-2	6902376	7012432	6942575	6952461	0.80	cps
Krypton	83-1	510	483	470	488	4.18	cps
Lead	206-1	122333395	122750485	122943848	122675909	0.25	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 10:51:05	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	105194718	106124092	105634695	105651168	0.44	cps
Lead	208-1	488742676	490221846	488528293	489164272	0.19	cps
Lithium	6-1	13726024	13877089	13906178	13836430	0.70	cps
Magnesium	24-2	54064158	53733053	54099673	53965628	0.37	cps
Manganese	55-2	35030084	34665983	34957187	34884418	0.55	cps
Molybdenum	94-1	107775485	109172185	109852442	108933371	0.97	cps
Molybdenum	95-1	157205631	160192064	163503524	160300407	1.97	cps
Molybdenum	96-1	170786684	173444311	173566777	172599257	0.91	cps
Molybdenum	97-1	97539539	97974055	96674572	97396055	0.68	cps
Molybdenum	98-1	254648656	256619616	257242103	256170125	0.53	cps
Neodymium	150-1	5611	5645	5811	5689	1.88	cps
Neodymium	150-2	273	207	263	248	14.51	cps
Nickel	60-2	3242335	3244066	3245294	3243898	0.05	cps
Phosphorus	31-2	159448	161221	159445	160038	0.64	cps
Potassium	39-2	19483677	19342226	19579496	19468466	0.61	cps
Rhodium	103-1	29134305	29301786	29700170	29378754	0.99	cps
Rhodium	103-2	10913647	11721611	11284006	11306421	3.58	cps
Scandium	45-1	21871203	22224877	22531802	22209294	1.49	cps
Scandium	45-2	558561	605731	578636	580976	4.07	cps
Selenium	82-1	412545	415310	413728	413861	0.34	cps
Selenium	77-2	10204	10177	10364	10248	0.99	cps
Selenium	78-2	34442	34826	34903	34724	0.71	cps
Silicon	28-1	60667699	60668406	61251666	60862590	0.55	cps
Silver	107-1	35587115	36580706	35698902	35955574	1.51	cps
Silver	109-1	33605345	34140175	34277818	34007779	1.04	cps
Sodium	23-2	110095272	109101298	106540775	108579115	1.69	cps
Strontium	86-1	243759616	250294223	252600930	248884923	1.84	cps
Strontium	88-1	2190806954	2202172127	2181828234	2191602438	0.47	cps
Sulfur	34-1	3398024	3495441	3454060	3449175	1.42	cps
Terbium	159-1	45813943	46626824	47039461	46493409	1.34	cps
Terbium	159-2	15052364	16456244	15728710	15745773	4.46	cps
Thallium	203-1	30559455	30157650	30632813	30449972	0.84	cps
Thallium	205-1	73554366	73266162	73244127	73354885	0.24	cps
Tin	118-1	24951279	25318468	25608153	25292633	1.30	cps
Titanium	47-1	44979634	46405608	46633364	46006202	1.95	cps
Uranium	238-1	105433585	107156562	107849568	106813238	1.16	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 10:51:05	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	5486658	5506793	5324200	5439217	1.84	cps
Ytterbium	172-1	547	643	730	640	14.33	cps
Ytterbium	172-2	243	217	267	242	10.33	cps
Ytterbium	176-1	150137	150898	150426	150487	0.26	cps
Ytterbium	176-2	103660	109056	106795	106503	2.54	cps
Yttrium	89-1	51184464	49986644	50530331	50567146	1.19	cps
Yttrium	89-2	4320081	4727867	4480918	4509622	4.55	cps
Zinc	66-2	9035993	9065867	8945247	9015702	0.70	cps
Zirconium	90-1	52326744	52188476	52777238	52430819	0.59	cps
Zirconium	91-1	11601298	11752224	11993678	11782400	1.68	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 10:54:07	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	17903809	18138711	18108487	18050336	0.71	cps
Antimony	121-1	11739	12903	15522	13388	14.48	cps
Arsenic	75-2	327	313	273	304	9.12	cps
Barium	135-1	13170	12783	12603	12852	2.26	cps
Barium	137-1	22706	21587	21080	21791	3.82	cps
Beryllium	9-1	1905	1696	1595	1732	9.13	cps
Bismuth	209-1	19473566	19619525	19540252	19544447	0.37	cps
Bismuth	209-2	8485614	8375014	8542836	8467821	1.01	cps
Bromine	81-1	20245	19924	20014	20061	0.82	cps
Cadmium	108-1	400	313	323	346	13.72	cps
Cadmium	106-1	25657	25507	25400	25521	0.51	cps
Cadmium	111-1	3789	3858	3627	3758	3.16	cps
Calcium	43-1	41662161	42065464	41935349	41887658	0.49	cps
Calcium	44-1	666797603	679532963	675098270	673809612	0.96	cps
Carbon	12-1	4638012	4539138	4576075	4584408	1.09	cps
Carbon	12-2	56629	55511	57070	56403	1.42	cps
Chlorine	35-1	193285	193819	193062	193389	0.20	cps
Chlorine	35-2	1023	1030	1107	1053	4.40	cps
Chromium	52-2	21740	21487	21624	21617	0.59	cps
Cobalt	59-2	23580	24301	24087	23989	1.54	cps
Copper	63-2	28789	28666	29287	28914	1.14	cps
Dysprosium	156-1	3120	2704	2454	2759	12.21	cps
Dysprosium	156-2	473	517	523	504	5.38	cps
Erbium	164-1	1123	1147	1030	1100	5.61	cps
Erbium	164-2	440	363	413	406	9.60	cps
Gadolinium	160-1	1367	1480	1303	1383	6.47	cps
Gadolinium	160-2	987	1063	1090	1047	5.13	cps
Holmium	165-1	37595339	37338837	37407954	37447376	0.35	cps
Holmium	165-2	14180432	13964831	14372131	14172465	1.44	cps
Indium	115-1	26391555	26941170	26886803	26739843	1.13	cps
Indium	115-2	3726472	3781752	3711923	3740049	0.99	cps
Iron	54-2	65118286	64114491	65140729	64791168	0.90	cps
Iron	56-2	1181145209	1197383395	1194611556	1191046720	0.73	cps
Iron	57-2	30066021	30208552	29960743	30078439	0.41	cps
Krypton	83-1	437	503	490	477	7.40	cps
Lead	206-1	23295	22940	22510	22915	1.71	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 10:54:07	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	19862	19628	19058	19516	2.12	cps
Lead	208-1	93095	92094	89295	91495	2.15	cps
Lithium	6-1	11215442	11529406	11415013	11386620	1.40	cps
Magnesium	24-2	245647196	242391410	245630370	244556325	0.77	cps
Manganese	55-2	16089	16166	16153	16136	0.25	cps
Molybdenum	94-1	27825	26105	24585	26172	6.19	cps
Molybdenum	95-1	30918	29358	30094	30123	2.59	cps
Molybdenum	96-1	40935	38209	38828	39324	3.63	cps
Molybdenum	97-1	17485	16897	16517	16966	2.88	cps
Molybdenum	98-1	42790	43182	40466	42146	3.48	cps
Neodymium	150-1	643	537	550	577	10.08	cps
Neodymium	150-2	140	190	140	157	18.43	cps
Nickel	60-2	11351	11505	11631	11496	1.22	cps
Phosphorus	31-2	197	240	233	223	10.45	cps
Potassium	39-2	89042672	91499825	90514165	90352221	1.37	cps
Rhodium	103-1	22354664	22578541	22464465	22465890	0.50	cps
Rhodium	103-2	9009499	9092795	9112170	9071488	0.60	cps
Scandium	45-1	18240591	18285670	18506577	18344279	0.78	cps
Scandium	45-2	519860	519235	529527	522874	1.10	cps
Selenium	82-1	73	-13	113	58	112.08	cps
Selenium	77-2	10	0	10	7	86.60	cps
Selenium	78-2	13	50	13	26	82.85	cps
Silicon	28-1	1043185	1009287	981225	1011232	3.07	cps
Silver	107-1	3330	3104	2610	3015	12.21	cps
Silver	109-1	3191	2677	2360	2743	15.28	cps
Sodium	23-2	487716646	485489539	485819126	486341771	0.25	cps
Strontium	86-1	33968	30437	30441	31615	6.44	cps
Strontium	88-1	279882	281494	266114	275830	3.06	cps
Sulfur	34-1	574626	579416	574741	576261	0.47	cps
Terbium	159-1	37847242	37581349	37930237	37786276	0.48	cps
Terbium	159-2	13861244	13642881	13955734	13819953	1.16	cps
Thallium	203-1	4014	3220	2860	3365	17.54	cps
Thallium	205-1	8646	7993	7352	7997	8.09	cps
Tin	118-1	22525	22158	22178	22287	0.93	cps
Titanium	47-1	13687	14411	14371	14156	2.87	cps
Uranium	238-1	5288	4405	3294	4329	23.08	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 10:54:07	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1287	1350	1180	1272	6.75	cps
Ytterbium	172-1	1377	1467	1460	1435	3.50	cps
Ytterbium	172-2	770	620	537	642	18.41	cps
Ytterbium	176-1	10624	10941	10985	10850	1.81	cps
Ytterbium	176-2	50259	51932	53106	51765	2.76	cps
Yttrium	89-1	41242836	42040709	41926391	41736645	1.03	cps
Yttrium	89-2	4063028	4094956	4115530	4091171	0.65	cps
Zinc	66-2	4401	4161	4227	4263	2.91	cps
Zirconium	90-1	25804	24639	24221	24888	3.30	cps
Zirconium	91-1	5615	5535	5358	5502	2.39	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	ICV001	Instrumnet Name :	P8
Client Sample ID :	ICV001	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:15:53	DataFile Name :	012ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	91542	90560	90935	91012	0.54	cps
Antimony	121-1	5108903	5066734	5017546	5064394	0.90	cps
Arsenic	75-2	103191	102707	102657	102852	0.29	cps
Barium	135-1	703812	700679	699934	701475	0.29	cps
Barium	137-1	1215799	1223238	1225788	1221608	0.42	cps
Beryllium	9-1	744057	740039	745946	743347	0.41	cps
Bismuth	209-1	27316134	29811082	28594097	28573771	4.37	cps
Bismuth	209-2	11693978	11051505	10992844	11246109	3.46	cps
Bromine	81-1	21069	21343	21156	21189	0.66	cps
Cadmium	108-1	45712	45669	45896	45759	0.26	cps
Cadmium	106-1	88411	91601	88693	89568	1.97	cps
Cadmium	111-1	655536	653228	658710	655824	0.42	cps
Calcium	43-1	181381	181122	181085	181196	0.09	cps
Calcium	44-1	3022358	3044234	3053796	3040129	0.53	cps
Carbon	12-1	5486552	5579520	5581535	5549202	0.98	cps
Carbon	12-2	52841	52359	51734	52311	1.06	cps
Chlorine	35-1	183199	186663	184580	184814	0.94	cps
Chlorine	35-2	967	880	833	893	7.57	cps
Chromium	52-2	654599	657220	649251	653690	0.62	cps
Cobalt	59-2	1194328	1201414	1200602	1198781	0.32	cps
Copper	63-2	902918	896769	904212	901300	0.44	cps
Dysprosium	156-1	1333	1270	1407	1337	5.12	cps
Dysprosium	156-2	43	63	87	64	33.66	cps
Erbium	164-1	297	393	273	321	19.81	cps
Erbium	164-2	103	117	123	114	8.90	cps
Gadolinium	160-1	447	583	507	512	13.37	cps
Gadolinium	160-2	723	650	717	697	5.82	cps
Holmium	165-1	43951789	46234249	44981168	45055735	2.54	cps
Holmium	165-2	15883718	15594545	15352826	15610363	1.70	cps
Indium	115-1	33153143	36926581	34583133	34887619	5.46	cps
Indium	115-2	4311051	4228597	4148298	4229315	1.92	cps
Iron	54-2	597350	594235	599967	597184	0.48	cps
Iron	56-2	10850328	10857338	10819324	10842330	0.19	cps
Iron	57-2	264372	263360	265070	264267	0.33	cps
Krypton	83-1	277	283	287	282	1.80	cps
Lead	206-1	5262224	5165769	5350221	5259405	1.75	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	ICV001	Instrumnet Name :	P8
Client Sample ID :	ICV001	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:15:53	DataFile Name :	012ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	4473257	4330521	4433187	4412322	1.67	cps
Lead	208-1	20595098	20335813	20638025	20522979	0.80	cps
Lithium	6-1	14622268	15461201	14901968	14995146	2.85	cps
Magnesium	24-2	618330	617656	617159	617715	0.10	cps
Manganese	55-2	333821	336659	335480	335320	0.43	cps
Molybdenum	94-1	2774	2827	2940	2847	2.99	cps
Molybdenum	95-1	2497	2427	2620	2515	3.89	cps
Molybdenum	96-1	3490	3344	3490	3442	2.46	cps
Molybdenum	97-1	1410	1670	1597	1559	8.60	cps
Molybdenum	98-1	3997	3851	4494	4114	8.20	cps
Neodymium	150-1	183	180	130	164	18.17	cps
Neodymium	150-2	20	7	7	11	69.25	cps
Nickel	60-2	335999	331867	333659	333842	0.62	cps
Phosphorus	31-2	183	157	220	187	17.03	cps
Potassium	39-2	732627	727278	725303	728403	0.52	cps
Rhodium	103-1	31199821	33183713	32027395	32136976	3.10	cps
Rhodium	103-2	12121113	11936125	11654208	11903815	1.98	cps
Scandium	45-1	21947943	23916930	22614579	22826484	4.39	cps
Scandium	45-2	579649	566188	555156	566997	2.16	cps
Selenium	82-1	86054	85940	85235	85743	0.52	cps
Selenium	77-2	2120	2267	2007	2131	6.12	cps
Selenium	78-2	7315	7145	7412	7291	1.85	cps
Silicon	28-1	740410	742857	739936	741068	0.21	cps
Silver	107-1	1922398	1896738	1893622	1904253	0.83	cps
Silver	109-1	1803953	1820648	1794410	1806337	0.74	cps
Sodium	23-2	2148038	2148919	2118767	2138575	0.80	cps
Strontium	86-1	2770	2864	2747	2794	2.21	cps
Strontium	88-1	22037	21720	21590	21783	1.06	cps
Sulfur	34-1	637540	639223	639952	638905	0.19	cps
Terbium	159-1	43629251	47965921	45329609	45641594	4.79	cps
Terbium	159-2	15899973	15292022	15059481	15417159	2.82	cps
Thallium	203-1	6425333	6456392	6397656	6426461	0.46	cps
Thallium	205-1	15324367	15090084	15184358	15199603	0.78	cps
Tin	118-1	5064	5629	5211	5301	5.52	cps
Titanium	47-1	433	460	490	461	6.15	cps
Uranium	238-1	353	243	283	293	18.98	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	ICV001	Instrumnet Name :	P8
Client Sample ID :	ICV001	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:15:53	DataFile Name :	012ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	494693	497595	496916	496402	0.31	cps
Ytterbium	172-1	323	280	237	280	15.48	cps
Ytterbium	172-2	107	147	73	109	33.72	cps
Ytterbium	176-1	10227	11081	11212	10840	4.93	cps
Ytterbium	176-2	58399	58414	57518	58110	0.88	cps
Yttrium	89-1	48660124	54199708	51031948	51297260	5.42	cps
Yttrium	89-2	4475442	4288586	4281245	4348424	2.53	cps
Zinc	66-2	178961	178319	182161	179814	1.14	cps
Zirconium	90-1	3657	4124	4227	4003	7.59	cps
Zirconium	91-1	1773	1810	1994	1859	6.34	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	ICB001	Instrumnet Name :	P8
Client Sample ID :	ICB001	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:19:01	DataFile Name :	013CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	207	180	173	187	9.45	cps
Antimony	121-1	1100	1520	2290	1637	36.88	cps
Arsenic	75-2	17	17	3	12	63.01	cps
Barium	135-1	657	620	683	653	4.87	cps
Barium	137-1	1063	937	890	963	9.31	cps
Beryllium	9-1	619	585	596	600	2.86	cps
Bismuth	209-1	28141972	27754480	27739959	27878803	0.82	cps
Bismuth	209-2	11655994	11757567	11505497	11639686	1.09	cps
Bromine	81-1	20472	20866	20408	20582	1.20	cps
Cadmium	108-1	47	93	73	71	32.92	cps
Cadmium	106-1	29906	28977	28623	29169	2.27	cps
Cadmium	111-1	3061	2892	2881	2945	3.43	cps
Calcium	43-1	943	973	940	952	1.93	cps
Calcium	44-1	17471	17738	17998	17735	1.49	cps
Carbon	12-1	4241436	4270814	4180869	4231040	1.08	cps
Carbon	12-2	39373	38754	39516	39214	1.03	cps
Chlorine	35-1	173229	171303	170517	171683	0.81	cps
Chlorine	35-2	863	770	820	818	5.71	cps
Chromium	52-2	1077	1033	983	1031	4.53	cps
Cobalt	59-2	320	267	320	302	10.19	cps
Copper	63-2	5931	6361	6358	6217	3.98	cps
Dysprosium	156-1	1373	1437	1270	1360	6.19	cps
Dysprosium	156-2	73	47	67	62	22.30	cps
Erbium	164-1	327	337	357	340	4.49	cps
Erbium	164-2	90	107	117	104	12.90	cps
Gadolinium	160-1	473	470	480	474	1.07	cps
Gadolinium	160-2	580	683	737	667	11.95	cps
Holmium	165-1	44860068	44261201	45092799	44738023	0.96	cps
Holmium	165-2	15981008	16115592	15935087	16010562	0.59	cps
Indium	115-1	34359043	34794558	34135192	34429597	0.97	cps
Indium	115-2	4426089	4338914	4314252	4359752	1.35	cps
Iron	54-2	1103	1173	1207	1161	4.54	cps
Iron	56-2	12609	12659	12782	12684	0.70	cps
Iron	57-2	427	343	440	403	12.99	cps
Krypton	83-1	300	307	300	302	1.27	cps
Lead	206-1	1823	1703	1930	1819	6.23	cps

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On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	ICB001	Instrumnet Name :	P8
Client Sample ID :	ICB001	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:19:01	DataFile Name :	013CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1563	1493	1487	1515	2.80	cps
Lead	208-1	7264	7054	6754	7024	3.65	cps
Lithium	6-1	14580085	14789401	14804603	14724697	0.85	cps
Magnesium	24-2	933	877	833	881	5.69	cps
Manganese	55-2	560	593	520	558	6.58	cps
Molybdenum	94-1	943	850	993	929	7.83	cps
Molybdenum	95-1	337	233	260	277	19.39	cps
Molybdenum	96-1	457	480	560	499	10.86	cps
Molybdenum	97-1	153	110	170	144	21.44	cps
Molybdenum	98-1	430	403	490	441	10.06	cps
Neodymium	150-1	43	73	90	69	34.33	cps
Neodymium	150-2	7	7	10	8	24.71	cps
Nickel	60-2	530	523	497	517	3.41	cps
Phosphorus	31-2	243	237	220	233	5.15	cps
Potassium	39-2	18589	18278	18599	18489	0.99	cps
Rhodium	103-1	31699315	31324989	31365740	31463348	0.65	cps
Rhodium	103-2	12273386	12252576	12070687	12198883	0.91	cps
Scandium	45-1	22267289	21746251	21832831	21948790	1.27	cps
Scandium	45-2	573987	575607	576202	575265	0.20	cps
Selenium	82-1	-13	-37	-47	-32	-53.07	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	17	10	3	10	66.70	cps
Silicon	28-1	710605	700737	707181	706174	0.71	cps
Silver	107-1	847	800	663	770	12.37	cps
Silver	109-1	457	427	413	432	5.13	cps
Sodium	23-2	35994	36452	35961	36136	0.76	cps
Strontium	86-1	520	457	517	498	7.16	cps
Strontium	88-1	1473	1037	1083	1198	20.02	cps
Sulfur	34-1	629617	633330	629799	630915	0.33	cps
Terbium	159-1	46040131	44567228	45346309	45317889	1.63	cps
Terbium	159-2	15742378	15600259	15352607	15565081	1.27	cps
Thallium	203-1	1037	917	890	948	8.24	cps
Thallium	205-1	2430	2000	2124	2185	10.14	cps
Tin	118-1	3667	3707	3861	3745	2.73	cps
Titanium	47-1	260	250	267	259	3.24	cps
Uranium	238-1	93	57	53	68	32.74	cps

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Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	ICB001	Instrumnet Name :	P8
Client Sample ID :	ICB001	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:19:01	DataFile Name :	013CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	30	37	17	28	36.66	cps
Ytterbium	172-1	237	403	330	323	25.84	cps
Ytterbium	172-2	120	97	93	103	14.06	cps
Ytterbium	176-1	11368	11068	10828	11088	2.44	cps
Ytterbium	176-2	57930	58566	58606	58367	0.65	cps
Yttrium	89-1	49785134	50155998	49969143	49970091	0.37	cps
Yttrium	89-2	4446360	4452103	4411503	4436656	0.50	cps
Zinc	66-2	1813	1937	1590	1780	9.87	cps
Zirconium	90-1	2604	2520	2727	2617	3.97	cps
Zirconium	91-1	547	413	477	479	13.93	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	ICSA001	Instrumnet Name :	P8
Client Sample ID :	ICSA001	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:22:22	DataFile Name :	014ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	18444994	18003774	18372441	18273737	1.29	cps
Antimony	121-1	26646	26800	27307	26918	1.29	cps
Arsenic	75-2	243	197	200	213	12.20	cps
Barium	135-1	10287	10417	9917	10207	2.54	cps
Barium	137-1	17842	17722	18329	17964	1.79	cps
Beryllium	9-1	2432	2371	2425	2409	1.39	cps
Bismuth	209-1	23058223	25031916	25316095	24468745	5.03	cps
Bismuth	209-2	10063136	11241306	10112553	10472332	6.36	cps
Bromine	81-1	24712	25426	25994	25378	2.53	cps
Cadmium	108-1	12686	12649	11942	12426	3.37	cps
Cadmium	106-1	25935	28376	28530	27613	5.27	cps
Cadmium	111-1	8448	7917	9248	8538	7.85	cps
Calcium	43-1	9256946	9206632	9513182	9325587	1.76	cps
Calcium	44-1	149420484	148158618	152716781	150098628	1.57	cps
Carbon	12-1	62491721	64378567	65777589	64215959	2.57	cps
Carbon	12-2	609387	605390	607712	607496	0.33	cps
Chlorine	35-1	116645628	123326068	126284655	122085450	4.04	cps
Chlorine	35-2	664182	671007	674755	669981	0.80	cps
Chromium	52-2	128874	127959	130465	129099	0.98	cps
Cobalt	59-2	13833	14257	13937	14009	1.58	cps
Copper	63-2	74698	73331	74836	74288	1.12	cps
Dysprosium	156-1	943	850	847	880	6.24	cps
Dysprosium	156-2	80	67	53	67	20.00	cps
Erbium	164-1	413	403	430	416	3.24	cps
Erbium	164-2	197	177	197	190	6.08	cps
Gadolinium	160-1	580	577	570	576	0.88	cps
Gadolinium	160-2	640	793	747	727	10.82	cps
Holmium	165-1	41230740	44529714	46168114	43976190	5.72	cps
Holmium	165-2	15846682	17711576	15909560	16489273	6.42	cps
Indium	115-1	30267766	33463266	33556565	32429199	5.77	cps
Indium	115-2	4205796	4595242	4238307	4346448	4.97	cps
Iron	54-2	29310695	29314925	29588754	29404791	0.54	cps
Iron	56-2	536403245	537147045	537235352	536928548	0.09	cps
Iron	57-2	13589933	13593023	13553741	13578899	0.16	cps
Krypton	83-1	317	280	303	300	6.19	cps
Lead	206-1	103845	103035	103740	103540	0.43	cps

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	ICSA001	Instrumnet Name :	P8
Client Sample ID :	ICSA001	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:22:22	DataFile Name :	014ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	81772	82286	81601	81886	0.44	cps
Lead	208-1	388054	389268	390940	389421	0.37	cps
Lithium	6-1	13371996	14642373	14440037	14151469	4.82	cps
Magnesium	24-2	53064339	53155151	53442029	53220506	0.37	cps
Manganese	55-2	26571	27456	26221	26750	2.38	cps
Molybdenum	94-1	15552154	15725004	16068845	15782001	1.67	cps
Molybdenum	95-1	27392961	28088670	28112831	27864821	1.47	cps
Molybdenum	96-1	29760765	30044060	30236273	30013700	0.80	cps
Molybdenum	97-1	17039006	17141816	17504511	17228444	1.42	cps
Molybdenum	98-1	44702984	44832759	45200261	44912002	0.57	cps
Neodymium	150-1	197	180	137	171	18.10	cps
Neodymium	150-2	23	43	37	34	29.57	cps
Nickel	60-2	16950	16633	16964	16849	1.11	cps
Phosphorus	31-2	820527	815287	825758	820524	0.64	cps
Potassium	39-2	38071683	38200486	38657189	38309786	0.80	cps
Rhodium	103-1	26559024	28722335	30176007	28485788	6.39	cps
Rhodium	103-2	11222256	12420410	11216532	11619733	5.97	cps
Scandium	45-1	20273883	22593190	22917069	21928047	6.57	cps
Scandium	45-2	598324	658605	610853	622594	5.11	cps
Selenium	82-1	23	37	7	22	67.61	cps
Selenium	77-2	3	0	3	2	86.60	cps
Selenium	78-2	20	13	13	16	24.76	cps
Silicon	28-1	1191206	1247502	1240467	1226392	2.50	cps
Silver	107-1	1463	1477	1423	1455	1.91	cps
Silver	109-1	1127	1147	1217	1163	4.06	cps
Sodium	23-2	110449058	109399635	109033142	109627278	0.67	cps
Strontium	86-1	309235	313065	317957	313419	1.39	cps
Strontium	88-1	2847261	2832743	2900261	2860089	1.24	cps
Sulfur	34-1	13426574	13595427	13605925	13542642	0.74	cps
Terbium	159-1	42061883	45042371	46186838	44430364	4.79	cps
Terbium	159-2	15404579	17186551	15600587	16063906	6.08	cps
Thallium	203-1	2604	3027	2640	2757	8.51	cps
Thallium	205-1	6582	7002	6852	6812	3.13	cps
Tin	118-1	6868	6912	7326	7035	3.59	cps
Titanium	47-1	8509023	8675021	8631033	8605026	1.00	cps
Uranium	238-1	1603	1553	1617	1591	2.10	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	ICSA001	Instrumnet Name :	P8
Client Sample ID :	ICSA001	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:22:22	DataFile Name :	014ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	907	797	837	847	6.58	cps
Ytterbium	172-1	243	260	307	270	12.16	cps
Ytterbium	172-2	110	140	100	117	17.84	cps
Ytterbium	176-1	9914	10641	10398	10317	3.59	cps
Ytterbium	176-2	55315	60984	56395	57565	5.23	cps
Yttrium	89-1	46571469	50258966	52277539	49702658	5.82	cps
Yttrium	89-2	4487993	5068468	4613906	4723456	6.46	cps
Zinc	66-2	11351	11662	11325	11446	1.64	cps
Zirconium	90-1	3267	3811	3781	3619	8.44	cps
Zirconium	91-1	687	663	807	719	10.70	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	ICSAB001	Instrumnet Name :	P8
Client Sample ID :	ICSAB001	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:25:27	DataFile Name :	015ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	18284730	18422101	18495487	18400773	0.58	cps
Antimony	121-1	502185	511973	514102	509420	1.25	cps
Arsenic	75-2	10544	10704	10237	10495	2.26	cps
Barium	135-1	147008	148625	152532	149388	1.90	cps
Barium	137-1	258576	260243	259482	259434	0.32	cps
Beryllium	9-1	143967	146062	146486	145505	0.93	cps
Bismuth	209-1	25444229	25263637	25279880	25329249	0.39	cps
Bismuth	209-2	10236892	10256130	10153237	10215420	0.54	cps
Bromine	81-1	25634	26595	26158	26129	1.84	cps
Cadmium	108-1	20298	20759	20839	20632	1.41	cps
Cadmium	106-1	38858	39523	38855	39079	0.99	cps
Cadmium	111-1	129489	129761	130305	129852	0.32	cps
Calcium	43-1	9496182	9366793	9602928	9488635	1.25	cps
Calcium	44-1	152703421	152709488	156476628	153963179	1.41	cps
Carbon	12-1	65307629	66262391	67825461	66465160	1.91	cps
Carbon	12-2	620150	610299	614699	615049	0.80	cps
Chlorine	35-1	124760288	129731468	133153905	129215220	3.27	cps
Chlorine	35-2	689046	691353	684553	688318	0.50	cps
Chromium	52-2	265158	260254	260125	261846	1.10	cps
Cobalt	59-2	249411	248238	244993	247547	0.92	cps
Copper	63-2	248464	249967	253187	250539	0.96	cps
Dysprosium	156-1	703	613	657	658	6.84	cps
Dysprosium	156-2	63	63	60	62	3.09	cps
Erbium	164-1	387	427	523	446	15.77	cps
Erbium	164-2	160	187	143	163	13.38	cps
Gadolinium	160-1	563	527	527	539	3.93	cps
Gadolinium	160-2	687	767	667	707	7.49	cps
Holmium	165-1	44635796	45088483	45648468	45124249	1.12	cps
Holmium	165-2	15955055	16014719	15751775	15907183	0.87	cps
Indium	115-1	33230626	32890176	33421544	33180782	0.81	cps
Indium	115-2	4272272	4290991	4176011	4246425	1.45	cps
Iron	54-2	30054910	29720654	29671066	29815543	0.70	cps
Iron	56-2	539437819	546785685	540980579	542401361	0.71	cps
Iron	57-2	13658278	13622729	13549879	13610295	0.41	cps
Krypton	83-1	237	250	257	248	4.11	cps
Lead	206-1	593941	600977	604673	599864	0.91	cps

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	ICSAB001	Instrumnet Name :	P8
Client Sample ID :	ICSAB001	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:25:27	DataFile Name :	015ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	502023	511519	508199	507247	0.95	cps
Lead	208-1	2315233	2348285	2354053	2339190	0.90	cps
Lithium	6-1	14580680	14345781	14344414	14423625	0.94	cps
Magnesium	24-2	53948439	54250784	53880421	54026548	0.36	cps
Manganese	55-2	93306	92970	91712	92663	0.91	cps
Molybdenum	94-1	16132334	16557554	16198782	16296223	1.40	cps
Molybdenum	95-1	27909396	28848240	28529708	28429115	1.68	cps
Molybdenum	96-1	29915327	30264451	30690706	30290161	1.28	cps
Molybdenum	97-1	17297250	17456503	17471196	17408316	0.55	cps
Molybdenum	98-1	45722844	46605209	46041788	46123280	0.97	cps
Neodymium	150-1	263	157	237	219	25.36	cps
Neodymium	150-2	17	57	40	38	53.18	cps
Nickel	60-2	77114	77570	77824	77503	0.46	cps
Phosphorus	31-2	831089	833037	833697	832608	0.16	cps
Potassium	39-2	38563230	38338927	38905314	38602491	0.74	cps
Rhodium	103-1	29420431	29725784	29362233	29502816	0.66	cps
Rhodium	103-2	11418672	11430347	11187268	11345429	1.21	cps
Scandium	45-1	22684541	23176768	23187728	23016346	1.25	cps
Scandium	45-2	609688	601109	598585	603127	0.96	cps
Selenium	82-1	8333	8543	8650	8508	1.89	cps
Selenium	77-2	273	260	200	244	15.98	cps
Selenium	78-2	747	677	713	712	4.92	cps
Silicon	28-1	1276895	1288849	1304911	1290218	1.09	cps
Silver	107-1	636057	644163	639148	639789	0.64	cps
Silver	109-1	604494	611771	615816	610694	0.94	cps
Sodium	23-2	109162218	108996882	110812605	109657235	0.92	cps
Strontium	86-1	313731	320443	322956	319043	1.49	cps
Strontium	88-1	2862247	2909857	2958067	2910057	1.65	cps
Sulfur	34-1	13675830	13999481	13904980	13860097	1.20	cps
Terbium	159-1	45159649	45238474	45742156	45380093	0.70	cps
Terbium	159-2	15776065	15751703	15528432	15685400	0.87	cps
Thallium	203-1	609902	614094	617458	613818	0.62	cps
Thallium	205-1	1479701	1499439	1498802	1492647	0.75	cps
Tin	118-1	6922	7069	7119	7036	1.45	cps
Titanium	47-1	8772699	8945454	8916040	8878064	1.04	cps
Uranium	238-1	1810	1577	1773	1720	7.30	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	ICSAB001	Instrumnet Name :	P8
Client Sample ID :	ICSAB001	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:25:27	DataFile Name :	015ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	103094	103185	102926	103068	0.13	cps
Ytterbium	172-1	280	340	320	313	9.75	cps
Ytterbium	172-2	143	133	130	136	5.12	cps
Ytterbium	176-1	10608	10938	10638	10728	1.70	cps
Ytterbium	176-2	55894	56336	54328	55519	1.90	cps
Yttrium	89-1	50991668	51002869	51173638	51056058	0.20	cps
Yttrium	89-2	4598458	4540795	4536051	4558435	0.76	cps
Zinc	66-2	29274	29026	28155	28818	2.04	cps
Zirconium	90-1	3134	3360	3504	3333	5.60	cps
Zirconium	91-1	713	663	757	711	6.57	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	CCV001	Instrumnet Name :	P8
Client Sample ID :	CCV001	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:31:52	DataFile Name :	017CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	10101398	10158818	10090476	10116897	0.36	cps
Antimony	121-1	11873605	11968001	11816527	11886044	0.64	cps
Arsenic	75-2	260036	263156	264245	262479	0.83	cps
Barium	135-1	18161602	18010676	17601709	17924662	1.62	cps
Barium	137-1	31121411	30919041	30680008	30906820	0.71	cps
Beryllium	9-1	3527387	3611244	3568707	3569113	1.17	cps
Bismuth	209-1	21473976	21401075	22654471	21843174	3.22	cps
Bismuth	209-2	9654539	9538124	9623710	9605458	0.63	cps
Bromine	81-1	22057	22946	23827	22943	3.86	cps
Cadmium	108-1	282437	282751	282709	282632	0.06	cps
Cadmium	106-1	425427	422944	424487	424286	0.30	cps
Cadmium	111-1	3078013	3133153	3060846	3090671	1.22	cps
Calcium	43-1	25088875	24879184	24461699	24809919	1.29	cps
Calcium	44-1	399661874	397910874	392406381	396659710	0.95	cps
Carbon	12-1	5639830	5871259	5881608	5797566	2.36	cps
Carbon	12-2	63098	63510	63278	63295	0.33	cps
Chlorine	35-1	2061448	1976960	1939749	1992719	3.13	cps
Chlorine	35-2	9180	9026	8783	8996	2.22	cps
Chromium	52-2	3457249	3466464	3467148	3463620	0.16	cps
Cobalt	59-2	6410166	6256892	6272237	6313098	1.34	cps
Copper	63-2	45549956	45545474	45427669	45507700	0.15	cps
Dysprosium	156-1	2344	2264	2184	2264	3.54	cps
Dysprosium	156-2	750	613	657	673	10.37	cps
Erbium	164-1	1107	1193	1190	1163	4.22	cps
Erbium	164-2	390	387	427	401	5.53	cps
Gadolinium	160-1	1447	1250	1403	1367	7.56	cps
Gadolinium	160-2	1077	1073	1140	1097	3.43	cps
Holmium	165-1	39197393	39161984	41706370	40021916	3.65	cps
Holmium	165-2	15507617	15377614	15490106	15458446	0.46	cps
Indium	115-1	28485664	28360132	30686049	29177282	4.48	cps
Indium	115-2	4162249	4130204	4153081	4148511	0.40	cps
Iron	54-2	37206900	37709967	36752239	37223035	1.29	cps
Iron	56-2	671858657	683951963	677215150	677675257	0.89	cps
Iron	57-2	17388711	17087105	17035464	17170426	1.11	cps
Krypton	83-1	457	380	397	411	9.81	cps
Lead	206-1	55010181	55198879	54170246	54793102	1.00	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	CCV001	Instrumnet Name :	P8
Client Sample ID :	CCV001	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:31:52	DataFile Name :	017CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	47706146	47855224	47796908	47786093	0.16	cps
Lead	208-1	220203292	220989895	218932045	220041744	0.47	cps
Lithium	6-1	12490619	12633787	13468161	12864189	4.10	cps
Magnesium	24-2	143319455	141990795	139173548	141494599	1.50	cps
Manganese	55-2	17272151	17618271	17638635	17509686	1.18	cps
Molybdenum	94-1	52866189	52900739	52236363	52667764	0.71	cps
Molybdenum	95-1	76656747	76549667	76309529	76505314	0.23	cps
Molybdenum	96-1	84044352	83318015	83019104	83460490	0.63	cps
Molybdenum	97-1	47948253	46909474	46692839	47183522	1.42	cps
Molybdenum	98-1	123537258	122864132	123416885	123272758	0.29	cps
Neodymium	150-1	3627	3784	3797	3736	2.53	cps
Neodymium	150-2	490	407	437	444	9.50	cps
Nickel	60-2	1659876	1648442	1657872	1655397	0.37	cps
Phosphorus	31-2	82617	83059	82741	82805	0.28	cps
Potassium	39-2	49295583	50238039	51295349	50276324	1.99	cps
Rhodium	103-1	25323998	24740601	26774279	25612959	4.09	cps
Rhodium	103-2	10816786	10542307	10570084	10643059	1.42	cps
Scandium	45-1	20306486	19765448	22032307	20701414	5.72	cps
Scandium	45-2	603071	597382	595898	598784	0.63	cps
Selenium	82-1	203863	204863	202723	203816	0.53	cps
Selenium	77-2	5364	5254	5498	5372	2.27	cps
Selenium	78-2	17815	18295	17972	18027	1.36	cps
Silicon	28-1	67468521	67681317	66371886	67173908	1.05	cps
Silver	107-1	16358171	16354297	16026006	16246158	1.17	cps
Silver	109-1	15170594	15424771	15405543	15333636	0.92	cps
Sodium	23-2	274620089	276892389	279237549	276916676	0.83	cps
Strontium	86-1	120565258	119732128	120515615	120271000	0.39	cps
Strontium	88-1	1051797611	1032218838	1045113451	1043043300	0.95	cps
Sulfur	34-1	2092521	2091663	2071226	2085137	0.58	cps
Terbium	159-1	40056903	39901996	41985786	40648228	2.86	cps
Terbium	159-2	15243025	15176016	15122639	15180560	0.40	cps
Thallium	203-1	13597244	13673551	13343283	13538026	1.28	cps
Thallium	205-1	33047379	33036115	32337952	32807148	1.24	cps
Tin	118-1	11769819	11698334	11693826	11720660	0.36	cps
Titanium	47-1	22974014	22833228	22870362	22892535	0.32	cps
Uranium	238-1	48858528	48492136	47866041	48405568	1.04	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	CCV001	Instrumnet Name :	P8
Client Sample ID :	CCV001	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:31:52	DataFile Name :	017CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	2820025	2821702	2720064	2787264	2.09	cps
Ytterbium	172-1	977	1010	973	987	2.06	cps
Ytterbium	172-2	380	430	357	389	9.63	cps
Ytterbium	176-1	76245	76299	76607	76384	0.26	cps
Ytterbium	176-2	78585	79380	79316	79094	0.56	cps
Yttrium	89-1	45229673	44894104	48431613	46185130	4.23	cps
Yttrium	89-2	4512480	4489691	4539014	4513728	0.55	cps
Zinc	66-2	4527802	4501550	4567440	4532264	0.73	cps
Zirconium	90-1	25789973	25600665	25724651	25705097	0.37	cps
Zirconium	91-1	5747088	5734631	5655250	5712323	0.87	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	CCB001	Instrumnet Name :	P8
Client Sample ID :	CCB001	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:34:46	DataFile Name :	018CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	337	317	273	309	10.48	cps
Antimony	121-1	4714	6355	8976	6682	32.17	cps
Arsenic	75-2	17	17	27	20	28.86	cps
Barium	135-1	1407	1247	1393	1349	6.58	cps
Barium	137-1	2630	2374	2250	2418	8.02	cps
Beryllium	9-1	1787	1615	1499	1634	8.89	cps
Bismuth	209-1	28832620	28958487	28309371	28700159	1.20	cps
Bismuth	209-2	11628871	11795452	11960949	11795091	1.41	cps
Bromine	81-1	24478	24228	24542	24416	0.68	cps
Cadmium	108-1	123	103	113	113	8.83	cps
Cadmium	106-1	30671	29832	30400	30301	1.41	cps
Cadmium	111-1	3294	3181	3197	3224	1.90	cps
Calcium	43-1	1777	1910	1450	1712	13.82	cps
Calcium	44-1	34766	31839	27611	31405	11.45	cps
Carbon	12-1	4742634	4623327	4603273	4656411	1.62	cps
Carbon	12-2	41772	41208	41575	41518	0.69	cps
Chlorine	35-1	1305117	1213422	1171192	1229910	5.57	cps
Chlorine	35-2	5438	5048	4484	4990	9.61	cps
Chromium	52-2	1080	1123	1003	1069	5.69	cps
Cobalt	59-2	320	313	347	327	5.40	cps
Copper	63-2	20952	20879	20078	20636	2.35	cps
Dysprosium	156-1	463	600	510	524	13.25	cps
Dysprosium	156-2	33	33	43	37	15.75	cps
Erbium	164-1	297	337	327	320	6.51	cps
Erbium	164-2	97	103	90	97	6.89	cps
Gadolinium	160-1	480	543	460	494	8.80	cps
Gadolinium	160-2	653	740	830	741	11.92	cps
Holmium	165-1	46603063	45738201	46270723	46203995	0.94	cps
Holmium	165-2	16425287	16871709	16782491	16693162	1.42	cps
Indium	115-1	36216249	35974667	35823259	36004725	0.55	cps
Indium	115-2	4574205	4636613	4639769	4616862	0.80	cps
Iron	54-2	1810	1847	1720	1792	3.64	cps
Iron	56-2	25541	21366	20610	22506	11.80	cps
Iron	57-2	653	677	687	672	2.54	cps
Krypton	83-1	247	320	260	276	14.18	cps
Lead	206-1	5281	5208	4074	4854	13.94	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	CCB001	Instrumnet Name :	P8
Client Sample ID :	CCB001	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:34:46	DataFile Name :	018CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	4554	4378	3877	4270	8.22	cps
Lead	208-1	21211	19710	16972	19298	11.14	cps
Lithium	6-1	15259282	15627062	15398694	15428346	1.20	cps
Magnesium	24-2	2117	1980	2247	2115	6.31	cps
Manganese	55-2	933	687	753	791	16.13	cps
Molybdenum	94-1	5345	4954	4918	5072	4.67	cps
Molybdenum	95-1	4791	5075	4301	4722	8.29	cps
Molybdenum	96-1	5448	4944	4844	5079	6.37	cps
Molybdenum	97-1	3110	2450	2617	2726	12.59	cps
Molybdenum	98-1	7599	6592	7420	7204	7.46	cps
Neodymium	150-1	107	90	90	96	10.07	cps
Neodymium	150-2	17	7	7	10	57.72	cps
Nickel	60-2	793	647	733	724	10.18	cps
Phosphorus	31-2	230	190	203	208	9.80	cps
Potassium	39-2	25336	25232	24815	25128	1.10	cps
Rhodium	103-1	33453555	33565250	32923846	33314217	1.03	cps
Rhodium	103-2	12802689	12838850	12856213	12832584	0.21	cps
Scandium	45-1	23848595	23626228	23740148	23738324	0.47	cps
Scandium	45-2	613966	611841	613941	613249	0.20	cps
Selenium	82-1	60	-47	57	23	259.94	cps
Selenium	77-2	0	0	3	1	173.21	cps
Selenium	78-2	13	13	17	14	13.35	cps
Silicon	28-1	855432	822863	809060	829118	2.87	cps
Silver	107-1	3657	3344	3064	3355	8.85	cps
Silver	109-1	3320	2914	2590	2941	12.44	cps
Sodium	23-2	71739	70301	68423	70154	2.37	cps
Strontium	86-1	4738	3144	2607	3496	31.70	cps
Strontium	88-1	30787	25685	18576	25016	24.52	cps
Sulfur	34-1	685450	685465	680606	683840	0.41	cps
Terbium	159-1	46562739	47287373	45856844	46568985	1.54	cps
Terbium	159-2	16071838	16385001	16427338	16294726	1.19	cps
Thallium	203-1	2744	2300	2477	2507	8.90	cps
Thallium	205-1	6852	5981	5598	6144	10.46	cps
Tin	118-1	4628	4651	4684	4654	0.61	cps
Titanium	47-1	947	1080	833	953	12.95	cps
Uranium	238-1	1840	1260	1003	1368	31.34	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	CCB001	Instrumnet Name :	P8
Client Sample ID :	CCB001	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:34:46	DataFile Name :	018CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	50	50	43	48	8.06	cps
Ytterbium	172-1	317	277	287	293	7.10	cps
Ytterbium	172-2	110	103	107	107	3.13	cps
Ytterbium	176-1	10938	11268	10868	11025	1.94	cps
Ytterbium	176-2	59409	59403	60052	59621	0.63	cps
Yttrium	89-1	54072214	52383268	53478426	53311303	1.61	cps
Yttrium	89-2	4718728	4749258	4818773	4762253	1.08	cps
Zinc	66-2	2177	2024	2080	2094	3.70	cps
Zirconium	90-1	7369	7105	7359	7278	2.05	cps
Zirconium	91-1	1543	1330	1317	1397	9.11	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	PB163817BL	Instrumnet Name :	P8
Client Sample ID :	PBS817	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:41:24	DataFile Name :	020CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	213	240	210	221	7.44	cps
Antimony	121-1	660	980	1420	1020	37.41	cps
Arsenic	75-2	7	17	3	9	78.08	cps
Barium	135-1	727	730	717	724	0.96	cps
Barium	137-1	1387	1143	1270	1267	9.61	cps
Beryllium	9-1	781	721	741	748	4.09	cps
Bismuth	209-1	28143261	29027421	28441727	28537470	1.58	cps
Bismuth	209-2	12060550	11813094	11770635	11881426	1.32	cps
Bromine	81-1	24351	23326	23296	23658	2.54	cps
Cadmium	108-1	83	120	63	89	32.33	cps
Cadmium	106-1	30273	29782	29181	29745	1.84	cps
Cadmium	111-1	3072	2978	2947	2999	2.18	cps
Calcium	43-1	977	923	1047	982	6.30	cps
Calcium	44-1	19710	19173	19276	19387	1.47	cps
Carbon	12-1	4514756	4463664	4423878	4467433	1.02	cps
Carbon	12-2	40987	39904	39700	40197	1.72	cps
Chlorine	35-1	534644	523362	511538	523181	2.21	cps
Chlorine	35-2	2447	2490	2344	2427	3.11	cps
Chromium	52-2	1090	1030	1113	1078	3.99	cps
Cobalt	59-2	297	343	307	316	7.79	cps
Copper	63-2	13964	13910	13753	13876	0.79	cps
Dysprosium	156-1	577	537	527	547	4.84	cps
Dysprosium	156-2	43	33	37	38	13.48	cps
Erbium	164-1	337	297	317	317	6.32	cps
Erbium	164-2	130	123	113	122	6.86	cps
Gadolinium	160-1	450	460	437	449	2.61	cps
Gadolinium	160-2	657	663	643	654	1.56	cps
Holmium	165-1	46647708	45727163	45835229	46070033	1.09	cps
Holmium	165-2	16834433	16443056	16387661	16555050	1.47	cps
Indium	115-1	36105858	36189347	35379151	35891452	1.24	cps
Indium	115-2	4562536	4489881	4590883	4547767	1.15	cps
Iron	54-2	1203	1277	1117	1199	6.68	cps
Iron	56-2	13920	13416	13336	13558	2.33	cps
Iron	57-2	467	500	497	488	3.76	cps
Krypton	83-1	223	233	200	219	7.82	cps
Lead	206-1	2157	2144	2040	2114	3.02	cps

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	PB163817BL	Instrumnet Name :	P8
Client Sample ID :	PBS817	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:41:24	DataFile Name :	020CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	2027	1870	1703	1867	8.66	cps
Lead	208-1	8931	8728	8365	8675	3.31	cps
Lithium	6-1	15357398	15430339	15108331	15298689	1.10	cps
Magnesium	24-2	897	897	1150	981	14.91	cps
Manganese	55-2	627	513	547	562	10.36	cps
Molybdenum	94-1	1210	1213	1333	1252	5.61	cps
Molybdenum	95-1	610	493	540	548	10.72	cps
Molybdenum	96-1	723	767	800	763	5.04	cps
Molybdenum	97-1	267	347	440	351	24.71	cps
Molybdenum	98-1	910	833	943	896	6.30	cps
Neodymium	150-1	60	97	50	69	35.67	cps
Neodymium	150-2	10	7	3	7	50.03	cps
Nickel	60-2	740	833	837	803	6.83	cps
Phosphorus	31-2	187	227	157	190	18.48	cps
Potassium	39-2	21683	21623	20949	21418	1.90	cps
Rhodium	103-1	33527017	33085763	32736430	33116403	1.20	cps
Rhodium	103-2	12894316	12700560	12835174	12810017	0.78	cps
Scandium	45-1	23678802	23298995	23350840	23442879	0.88	cps
Scandium	45-2	610885	604766	607765	607805	0.50	cps
Selenium	82-1	53	57	33	48	26.41	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	7	3	17	9	78.08	cps
Silicon	28-1	749195	744716	746003	746638	0.31	cps
Silver	107-1	1140	967	1093	1067	8.41	cps
Silver	109-1	877	733	767	792	9.47	cps
Sodium	23-2	50898	49748	49835	50160	1.28	cps
Strontium	86-1	640	520	470	543	16.08	cps
Strontium	88-1	2590	1698	1143	1810	40.33	cps
Sulfur	34-1	655683	652552	652938	653724	0.26	cps
Terbium	159-1	47644361	46463811	46570781	46892984	1.39	cps
Terbium	159-2	16278831	16074466	16331095	16228131	0.84	cps
Thallium	203-1	1173	990	1007	1057	9.59	cps
Thallium	205-1	2510	2347	2470	2442	3.49	cps
Tin	118-1	3994	4024	4001	4006	0.39	cps
Titanium	47-1	317	253	300	290	11.32	cps
Uranium	238-1	103	117	93	104	11.21	cps

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	PB163817BL	Instrumnet Name :	P8
Client Sample ID :	PBS817	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:41:24	DataFile Name :	020CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	23	23	30	26	15.07	cps
Ytterbium	172-1	280	307	280	289	5.33	cps
Ytterbium	172-2	90	153	100	114	29.75	cps
Ytterbium	176-1	10968	10985	11055	11002	0.42	cps
Ytterbium	176-2	57906	59323	59446	58892	1.45	cps
Yttrium	89-1	53480533	52211316	52774334	52822061	1.20	cps
Yttrium	89-2	4668589	4607364	4631768	4635907	0.66	cps
Zinc	66-2	1803	1920	1900	1875	3.33	cps
Zirconium	90-1	3137	3137	3397	3224	4.66	cps
Zirconium	91-1	480	670	643	598	17.21	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	PB163817BS	Instrumnet Name :	P8
Client Sample ID :	LCS817	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:48:38	DataFile Name :	021LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	7886	7922	8279	8029	2.71	cps
Antimony	121-1	102611	104747	105439	104266	1.41	cps
Arsenic	75-2	1150	1133	1187	1157	2.36	cps
Barium	135-1	145353	145697	148518	146522	1.19	cps
Barium	137-1	252506	257517	252136	254053	1.18	cps
Beryllium	9-1	15745	15465	15673	15628	0.93	cps
Bismuth	209-1	28924538	28346447	28741913	28670966	1.03	cps
Bismuth	209-2	10505519	11697881	11691218	11298206	6.08	cps
Bromine	81-1	22739	23740	23727	23402	2.45	cps
Cadmium	108-1	1437	1440	1323	1400	4.74	cps
Cadmium	106-1	30571	30470	29451	30164	2.05	cps
Cadmium	111-1	17066	17057	16597	16907	1.59	cps
Calcium	43-1	96256	94716	95132	95368	0.84	cps
Calcium	44-1	1604492	1616780	1632742	1618005	0.88	cps
Carbon	12-1	3634063	3557729	3529721	3573838	1.51	cps
Carbon	12-2	31985	31955	32339	32093	0.67	cps
Chlorine	35-1	341184	336630	334195	337336	1.05	cps
Chlorine	35-2	1633	1543	1580	1586	2.85	cps
Chromium	52-2	31187	31161	30556	30968	1.15	cps
Cobalt	59-2	26588	26361	25680	26210	1.80	cps
Copper	63-2	53085	51965	52614	52555	1.07	cps
Dysprosium	156-1	643	623	557	608	7.47	cps
Dysprosium	156-2	27	30	53	37	39.62	cps
Erbium	164-1	380	353	343	359	5.28	cps
Erbium	164-2	100	120	113	111	9.17	cps
Gadolinium	160-1	437	403	423	421	3.98	cps
Gadolinium	160-2	580	677	757	671	13.18	cps
Holmium	165-1	46791038	45836809	46452328	46360058	1.04	cps
Holmium	165-2	14488649	16326390	16265360	15693466	6.65	cps
Indium	115-1	36452991	35802120	36650597	36301903	1.22	cps
Indium	115-2	3964315	4476993	4475388	4305565	6.86	cps
Iron	54-2	129682	125388	126978	127349	1.70	cps
Iron	56-2	2511987	2430637	2429458	2457361	1.93	cps
Iron	57-2	58198	59088	59108	58798	0.88	cps
Krypton	83-1	260	223	287	257	12.39	cps
Lead	206-1	51418	52345	53239	52334	1.74	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	PB163817BS	Instrumnet Name :	P8
Client Sample ID :	LCS817	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:48:38	DataFile Name :	021LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	46192	45473	46503	46056	1.15	cps
Lead	208-1	209455	209195	212477	210376	0.87	cps
Lithium	6-1	15315634	14905286	15123376	15114765	1.36	cps
Magnesium	24-2	598705	594171	591224	594700	0.63	cps
Manganese	55-2	8136	8302	7782	8073	3.29	cps
Molybdenum	94-1	120493	123149	121125	121589	1.14	cps
Molybdenum	95-1	146260	147553	149123	147645	0.97	cps
Molybdenum	96-1	163226	160994	163542	162587	0.85	cps
Molybdenum	97-1	90878	90814	91851	91181	0.64	cps
Molybdenum	98-1	237971	237546	234794	236770	0.73	cps
Neodymium	150-1	97	93	63	84	21.74	cps
Neodymium	150-2	10	3	13	9	57.30	cps
Nickel	60-2	8216	7559	8026	7933	4.26	cps
Phosphorus	31-2	207	223	210	213	4.14	cps
Potassium	39-2	415114	409907	412020	412347	0.64	cps
Rhodium	103-1	33939125	32395904	32193071	32842700	2.91	cps
Rhodium	103-2	11159334	12474914	12590433	12074894	6.58	cps
Scandium	45-1	23227051	22982134	23552520	23253902	1.23	cps
Scandium	45-2	532801	600002	596504	576436	6.56	cps
Selenium	82-1	4538	4554	4531	4541	0.26	cps
Selenium	77-2	103	143	113	120	17.35	cps
Selenium	78-2	400	420	433	418	4.02	cps
Silicon	28-1	1106097	1110698	1105863	1107553	0.25	cps
Silver	107-1	75971	76574	77375	76640	0.92	cps
Silver	109-1	71830	72838	74024	72897	1.51	cps
Sodium	23-2	1199700	1205506	1191139	1198782	0.60	cps
Strontium	86-1	20201	20195	20488	20295	0.83	cps
Strontium	88-1	172902	172886	174718	173502	0.61	cps
Sulfur	34-1	657309	654445	661825	657860	0.57	cps
Terbium	159-1	47640913	47057724	47356653	47351763	0.62	cps
Terbium	159-2	14242693	16150745	15909645	15434361	6.73	cps
Thallium	203-1	61809	61967	62509	62095	0.59	cps
Thallium	205-1	149576	149665	151482	150241	0.72	cps
Tin	118-1	5368	5214	5018	5200	3.38	cps
Titanium	47-1	43840	43763	44194	43932	0.52	cps
Uranium	238-1	201512	205064	206885	204487	1.34	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	PB163817BS	Instrumnet Name :	P8
Client Sample ID :	LCS817	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:48:38	DataFile Name :	021LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	53894	53657	53697	53749	0.24	cps
Ytterbium	172-1	283	307	323	304	6.60	cps
Ytterbium	172-2	93	93	140	109	24.75	cps
Ytterbium	176-1	10651	10441	10357	10483	1.44	cps
Ytterbium	176-2	51565	58583	57528	55892	6.77	cps
Yttrium	89-1	53288446	52270608	52366674	52641909	1.07	cps
Yttrium	89-2	4102746	4509533	4593148	4401809	5.96	cps
Zinc	66-2	11712	12132	11725	11856	2.02	cps
Zirconium	90-1	106781	106701	105737	106406	0.55	cps
Zirconium	91-1	23720	23333	24158	23737	1.74	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	PB163817BSD	Instrumnet Name :	P8
Client Sample ID :	LCSD817	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:51:53	DataFile Name :	022LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4327	4057	4117	4167	3.40	cps
Antimony	121-1	51262	50884	51135	51094	0.38	cps
Arsenic	75-2	567	530	640	579	9.68	cps
Barium	135-1	73652	72248	71031	72310	1.81	cps
Barium	137-1	124389	125734	125853	125325	0.65	cps
Beryllium	9-1	7774	7855	7902	7844	0.83	cps
Bismuth	209-1	29131828	28854764	28706499	28897697	0.75	cps
Bismuth	209-2	11981862	11586846	11691061	11753256	1.74	cps
Bromine	81-1	23947	22962	23957	23622	2.42	cps
Cadmium	108-1	677	677	657	670	1.72	cps
Cadmium	106-1	30878	30444	29742	30355	1.89	cps
Cadmium	111-1	10376	10226	9883	10162	2.49	cps
Calcium	43-1	47003	45983	47933	46973	2.08	cps
Calcium	44-1	756204	763087	765056	761449	0.61	cps
Carbon	12-1	4561488	4467513	4503970	4510990	1.05	cps
Carbon	12-2	41351	41538	40699	41196	1.07	cps
Chlorine	35-1	320408	316088	313391	316629	1.12	cps
Chlorine	35-2	1503	1423	1610	1512	6.19	cps
Chromium	52-2	15866	15699	15972	15846	0.87	cps
Cobalt	59-2	13036	12692	12589	12772	1.83	cps
Copper	63-2	30403	30068	29922	30131	0.82	cps
Dysprosium	156-1	720	647	640	669	6.64	cps
Dysprosium	156-2	43	33	53	43	23.08	cps
Erbium	164-1	347	297	300	314	8.89	cps
Erbium	164-2	140	120	103	121	15.16	cps
Gadolinium	160-1	440	517	457	471	8.56	cps
Gadolinium	160-2	630	637	670	646	3.32	cps
Holmium	165-1	46992233	45313501	46286208	46197314	1.82	cps
Holmium	165-2	16734151	16327590	16421759	16494500	1.29	cps
Indium	115-1	36900369	35675608	35559210	36045063	2.06	cps
Indium	115-2	4514307	4426600	4420360	4453756	1.18	cps
Iron	54-2	64173	63212	63105	63497	0.93	cps
Iron	56-2	1137883	1134313	1143943	1138713	0.43	cps
Iron	57-2	29013	28201	28933	28716	1.56	cps
Krypton	83-1	213	283	293	263	16.55	cps
Lead	206-1	26781	26333	26871	26662	1.08	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	PB163817BSD	Instrumnet Name :	P8
Client Sample ID :	LCSD817	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:51:53	DataFile Name :	022LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	23081	23191	23461	23244	0.84	cps
Lead	208-1	106347	106981	108101	107143	0.83	cps
Lithium	6-1	15152433	15231164	14997872	15127156	0.78	cps
Magnesium	24-2	290506	288664	286735	288635	0.65	cps
Manganese	55-2	4477	4307	4111	4298	4.27	cps
Molybdenum	94-1	59634	59580	61130	60115	1.46	cps
Molybdenum	95-1	72645	71636	71100	71794	1.09	cps
Molybdenum	96-1	78698	80005	78681	79128	0.96	cps
Molybdenum	97-1	44237	44969	44167	44458	1.00	cps
Molybdenum	98-1	116053	115267	117227	116182	0.85	cps
Neodymium	150-1	123	103	60	96	33.88	cps
Neodymium	150-2	13	7	3	8	65.47	cps
Nickel	60-2	4071	4184	4227	4161	1.95	cps
Phosphorus	31-2	193	263	223	227	15.49	cps
Potassium	39-2	211077	211138	209253	210490	0.51	cps
Rhodium	103-1	33610280	33280131	33265446	33385286	0.58	cps
Rhodium	103-2	12985979	12546308	12540602	12690963	2.01	cps
Scandium	45-1	23470007	23225834	22883849	23193230	1.27	cps
Scandium	45-2	610673	593037	602178	601963	1.47	cps
Selenium	82-1	2134	2087	2054	2091	1.92	cps
Selenium	77-2	37	53	30	40	30.04	cps
Selenium	78-2	223	227	240	230	3.84	cps
Silicon	28-1	916094	908394	892670	905719	1.32	cps
Silver	107-1	38006	37644	38203	37951	0.75	cps
Silver	109-1	35957	36448	35850	36085	0.88	cps
Sodium	23-2	570262	568648	569441	569450	0.14	cps
Strontium	86-1	10531	10277	10237	10348	1.54	cps
Strontium	88-1	87284	85818	85771	86291	1.00	cps
Sulfur	34-1	659266	664684	663795	662582	0.44	cps
Terbium	159-1	47280389	46802394	46995473	47026085	0.51	cps
Terbium	159-2	16291204	15992347	16086528	16123359	0.95	cps
Thallium	203-1	31134	30813	30990	30979	0.52	cps
Thallium	205-1	73644	74613	73480	73912	0.83	cps
Tin	118-1	4281	4491	4481	4417	2.68	cps
Titanium	47-1	21146	21690	21556	21464	1.32	cps
Uranium	238-1	99757	101266	100739	100587	0.76	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	PB163817BSD	Instrumnet Name :	P8
Client Sample ID :	LCSD817	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:51:53	DataFile Name :	022LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	26481	26645	25867	26331	1.56	cps
Ytterbium	172-1	317	267	257	280	11.48	cps
Ytterbium	172-2	177	90	133	133	32.50	cps
Ytterbium	176-1	11081	11155	10594	10944	2.78	cps
Ytterbium	176-2	57381	57980	59513	58291	1.89	cps
Yttrium	89-1	53758914	52642044	52768369	53056443	1.15	cps
Yttrium	89-2	4682855	4599990	4578283	4620376	1.19	cps
Zinc	66-2	6875	6612	6718	6735	1.97	cps
Zirconium	90-1	53402	53776	53974	53717	0.54	cps
Zirconium	91-1	11715	12082	11518	11772	2.43	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	PB163819BL	Instrumnet Name :	P8
Client Sample ID :	PBS819	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:55:13	DataFile Name :	023CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	277	213	240	243	13.07	cps
Antimony	121-1	337	497	607	480	28.29	cps
Arsenic	75-2	13	3	0	6	124.93	cps
Barium	135-1	687	713	740	713	3.74	cps
Barium	137-1	1203	1217	1220	1213	0.73	cps
Beryllium	9-1	509	519	570	532	6.17	cps
Bismuth	209-1	28258204	28320570	28138122	28238965	0.33	cps
Bismuth	209-2	11165299	11384647	12809780	11786575	7.58	cps
Bromine	81-1	24098	24004	23186	23762	2.11	cps
Cadmium	108-1	57	70	67	64	10.76	cps
Cadmium	106-1	29248	29111	28680	29013	1.02	cps
Cadmium	111-1	2932	2915	2871	2906	1.08	cps
Calcium	43-1	660	673	740	691	6.20	cps
Calcium	44-1	14137	14130	14491	14253	1.45	cps
Carbon	12-1	3498154	3437951	3419318	3451808	1.19	cps
Carbon	12-2	30939	30776	31287	31000	0.84	cps
Chlorine	35-1	277928	272810	270814	273851	1.34	cps
Chlorine	35-2	1380	1330	1343	1351	1.92	cps
Chromium	52-2	810	833	987	877	10.95	cps
Cobalt	59-2	237	263	253	251	5.37	cps
Copper	63-2	9036	8976	9226	9080	1.44	cps
Dysprosium	156-1	547	590	613	583	5.80	cps
Dysprosium	156-2	30	30	37	32	11.95	cps
Erbium	164-1	287	293	353	311	11.80	cps
Erbium	164-2	97	103	107	102	4.98	cps
Gadolinium	160-1	447	410	463	440	6.20	cps
Gadolinium	160-2	653	683	787	708	9.88	cps
Holmium	165-1	45412093	46151201	44862084	45475126	1.42	cps
Holmium	165-2	15544505	15798951	17455042	16266166	6.38	cps
Indium	115-1	35720903	36043836	35018352	35594364	1.47	cps
Indium	115-2	4239271	4307061	4855513	4467281	7.56	cps
Iron	54-2	1223	1200	1217	1213	0.99	cps
Iron	56-2	12756	12619	13450	12942	3.44	cps
Iron	57-2	383	437	463	428	9.52	cps
Krypton	83-1	297	303	267	289	6.76	cps
Lead	206-1	1460	1547	1563	1523	3.64	cps

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	PB163819BL	Instrumnet Name :	P8
Client Sample ID :	PBS819	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:55:13	DataFile Name :	023CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1223	1263	1233	1240	1.68	cps
Lead	208-1	5997	5977	5964	5980	0.28	cps
Lithium	6-1	14799324	14743505	14616905	14719911	0.63	cps
Magnesium	24-2	1077	1170	1063	1103	5.27	cps
Manganese	55-2	540	553	573	556	3.02	cps
Molybdenum	94-1	940	1003	1120	1021	8.94	cps
Molybdenum	95-1	257	243	233	244	4.79	cps
Molybdenum	96-1	373	467	523	454	16.67	cps
Molybdenum	97-1	107	177	163	149	24.96	cps
Molybdenum	98-1	350	380	423	384	9.59	cps
Neodymium	150-1	60	60	47	56	13.85	cps
Neodymium	150-2	0	3	10	4	114.60	cps
Nickel	60-2	683	523	537	581	15.28	cps
Phosphorus	31-2	157	220	220	199	18.38	cps
Potassium	39-2	20021	18966	20331	19773	3.62	cps
Rhodium	103-1	32648714	32610445	32411805	32556988	0.39	cps
Rhodium	103-2	12036714	12182373	13575193	12598093	6.74	cps
Scandium	45-1	22685705	22723094	22517011	22641936	0.48	cps
Scandium	45-2	576381	559273	649589	595081	8.06	cps
Selenium	82-1	-77	-67	-53	-66	-17.86	cps
Selenium	77-2	3	0	0	1	173.21	cps
Selenium	78-2	27	13	10	17	52.93	cps
Silicon	28-1	710813	714865	707555	711077	0.51	cps
Silver	107-1	890	827	847	854	3.79	cps
Silver	109-1	550	527	513	530	3.50	cps
Sodium	23-2	34741	34287	34678	34569	0.71	cps
Strontium	86-1	483	493	430	469	7.26	cps
Strontium	88-1	1133	1177	973	1095	9.79	cps
Sulfur	34-1	669236	662092	661409	664245	0.65	cps
Terbium	159-1	46817969	46188233	46180673	46395625	0.79	cps
Terbium	159-2	15488686	15510056	17427597	16142113	6.90	cps
Thallium	203-1	687	640	600	642	6.75	cps
Thallium	205-1	1640	1683	1473	1599	6.93	cps
Tin	118-1	5159	4497	4841	4832	6.85	cps
Titanium	47-1	227	320	243	263	18.90	cps
Uranium	238-1	70	63	40	58	27.26	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	PB163819BL	Instrumnet Name :	P8
Client Sample ID :	PBS819	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:55:13	DataFile Name :	023CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	20	17	17	18	10.81	cps
Ytterbium	172-1	300	247	267	271	9.94	cps
Ytterbium	172-2	107	103	137	116	15.89	cps
Ytterbium	176-1	10975	10791	10448	10738	2.49	cps
Ytterbium	176-2	55175	54452	63130	57586	8.36	cps
Yttrium	89-1	51826059	53005458	51407073	52079530	1.59	cps
Yttrium	89-2	4393691	4354672	4959251	4569205	7.41	cps
Zinc	66-2	1800	1747	2197	1915	12.84	cps
Zirconium	90-1	2554	2824	3170	2849	10.85	cps
Zirconium	91-1	490	480	533	501	5.66	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	PB163819BS	Instrumnet Name :	P8
Client Sample ID :	LCS819	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:58:31	DataFile Name :	024LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8242	7992	7852	8029	2.46	cps
Antimony	121-1	102762	102715	101036	102171	0.96	cps
Arsenic	75-2	1023	1113	1083	1073	4.27	cps
Barium	135-1	143652	143616	145351	144206	0.69	cps
Barium	137-1	250419	250605	250530	250518	0.04	cps
Beryllium	9-1	14942	15321	15306	15190	1.41	cps
Bismuth	209-1	28534896	28699072	28493970	28575980	0.38	cps
Bismuth	209-2	11480701	11798330	11494657	11591229	1.55	cps
Bromine	81-1	23226	23744	23703	23558	1.22	cps
Cadmium	108-1	1257	1343	1397	1332	5.30	cps
Cadmium	106-1	30106	30905	31195	30735	1.83	cps
Cadmium	111-1	17199	16831	17250	17094	1.34	cps
Calcium	43-1	92642	93471	93331	93148	0.48	cps
Calcium	44-1	1579037	1556795	1589204	1575012	1.05	cps
Carbon	12-1	3585778	3529870	3520149	3545266	1.00	cps
Carbon	12-2	32011	32012	31454	31826	1.01	cps
Chlorine	35-1	257210	252000	251522	253577	1.24	cps
Chlorine	35-2	1233	1227	1090	1183	6.84	cps
Chromium	52-2	30426	30396	30366	30396	0.10	cps
Cobalt	59-2	25590	25660	25827	25692	0.47	cps
Copper	63-2	49499	49034	48773	49102	0.75	cps
Dysprosium	156-1	677	637	693	669	4.35	cps
Dysprosium	156-2	37	43	23	34	29.57	cps
Erbium	164-1	317	343	373	344	8.23	cps
Erbium	164-2	150	133	107	130	16.81	cps
Gadolinium	160-1	483	477	490	483	1.38	cps
Gadolinium	160-2	703	663	670	679	3.16	cps
Holmium	165-1	46034406	46085648	46166553	46095535	0.14	cps
Holmium	165-2	16193302	16280359	16402271	16291977	0.64	cps
Indium	115-1	36003201	35951724	35990335	35981753	0.07	cps
Indium	115-2	4383928	4480295	4455269	4439830	1.13	cps
Iron	54-2	125747	124338	124957	125014	0.56	cps
Iron	56-2	2374683	2379543	2378762	2377663	0.11	cps
Iron	57-2	57335	56223	56699	56752	0.98	cps
Krypton	83-1	277	227	260	254	10.01	cps
Lead	206-1	50484	51154	52098	51245	1.58	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	PB163819BS	Instrumnet Name :	P8
Client Sample ID :	LCS819	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:58:31	DataFile Name :	024LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	44717	45717	45018	45151	1.14	cps
Lead	208-1	204629	205992	206879	205833	0.55	cps
Lithium	6-1	14810665	14875383	14797967	14828005	0.28	cps
Magnesium	24-2	580411	573198	575873	576494	0.63	cps
Manganese	55-2	8076	7672	7912	7887	2.57	cps
Molybdenum	94-1	120389	120591	120436	120472	0.09	cps
Molybdenum	95-1	143276	143468	142690	143145	0.28	cps
Molybdenum	96-1	158324	157898	159942	158721	0.68	cps
Molybdenum	97-1	88765	89117	90060	89314	0.75	cps
Molybdenum	98-1	229066	230551	233281	230966	0.93	cps
Neodymium	150-1	90	63	90	81	18.98	cps
Neodymium	150-2	3	10	7	7	50.03	cps
Nickel	60-2	7632	7532	7665	7610	0.91	cps
Phosphorus	31-2	237	173	200	203	15.64	cps
Potassium	39-2	406649	403234	403928	404604	0.45	cps
Rhodium	103-1	32628004	33114855	32877059	32873306	0.74	cps
Rhodium	103-2	12443094	12606763	12557947	12535935	0.67	cps
Scandium	45-1	22981052	22704457	23176039	22953849	1.03	cps
Scandium	45-2	591111	592064	592243	591806	0.10	cps
Selenium	82-1	4244	4531	4501	4425	3.56	cps
Selenium	77-2	97	93	133	108	20.60	cps
Selenium	78-2	380	417	370	389	6.32	cps
Silicon	28-1	1092028	1065644	1091955	1083209	1.40	cps
Silver	107-1	74322	75505	76568	75465	1.49	cps
Silver	109-1	71588	70513	71766	71289	0.95	cps
Sodium	23-2	1146756	1143292	1161748	1150599	0.85	cps
Strontium	86-1	19721	20141	20245	20036	1.39	cps
Strontium	88-1	168283	167106	170314	168568	0.96	cps
Sulfur	34-1	663839	663368	662920	663376	0.07	cps
Terbium	159-1	46669289	46492369	46918573	46693410	0.46	cps
Terbium	159-2	15753364	15867600	15819351	15813438	0.36	cps
Thallium	203-1	60919	60336	60657	60637	0.48	cps
Thallium	205-1	145991	146685	148597	147091	0.92	cps
Tin	118-1	4984	5141	5381	5169	3.87	cps
Titanium	47-1	42583	43215	42760	42853	0.76	cps
Uranium	238-1	203005	201583	202931	202507	0.40	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	PB163819BS	Instrumnet Name :	P8
Client Sample ID :	LCS819	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 11:58:31	DataFile Name :	024LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	52201	53111	52957	52757	0.92	cps
Ytterbium	172-1	307	307	253	289	10.66	cps
Ytterbium	172-2	133	107	120	120	11.11	cps
Ytterbium	176-1	10778	10915	10875	10856	0.65	cps
Ytterbium	176-2	57669	58686	57719	58025	0.99	cps
Yttrium	89-1	52488923	51912884	51980708	52127505	0.60	cps
Yttrium	89-2	4605816	4568062	4576468	4583449	0.43	cps
Zinc	66-2	11528	11625	11288	11480	1.51	cps
Zirconium	90-1	104746	104081	103716	104181	0.50	cps
Zirconium	91-1	23300	23099	23163	23187	0.44	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	PB163819BSD	Instrumnet Name :	P8
Client Sample ID :	LCSD819	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:01:49	DataFile Name :	025LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4231	4247	4031	4170	2.89	cps
Antimony	121-1	52129	50941	52668	51913	1.70	cps
Arsenic	75-2	523	517	607	549	9.14	cps
Barium	135-1	73716	74001	74674	74130	0.66	cps
Barium	137-1	126481	126354	127830	126888	0.64	cps
Beryllium	9-1	7792	7972	7934	7899	1.20	cps
Bismuth	209-1	27901105	29013545	28988332	28634327	2.22	cps
Bismuth	209-2	11533921	10345068	12060728	11313239	7.77	cps
Bromine	81-1	22441	23139	22792	22791	1.53	cps
Cadmium	108-1	670	647	653	657	1.83	cps
Cadmium	106-1	29926	29562	29475	29654	0.81	cps
Cadmium	111-1	10112	9892	10082	10029	1.19	cps
Calcium	43-1	47859	47819	48762	48147	1.11	cps
Calcium	44-1	771479	770945	775750	772725	0.34	cps
Carbon	12-1	4588711	4565114	4476358	4543395	1.30	cps
Carbon	12-2	41214	41271	41271	41252	0.08	cps
Chlorine	35-1	246768	246320	248833	247307	0.54	cps
Chlorine	35-2	1173	1223	1203	1200	2.10	cps
Chromium	52-2	15832	15949	16196	15992	1.16	cps
Cobalt	59-2	13286	12989	12813	13029	1.84	cps
Copper	63-2	28729	28853	28452	28678	0.72	cps
Dysprosium	156-1	607	663	643	638	4.51	cps
Dysprosium	156-2	27	33	17	26	32.81	cps
Erbium	164-1	307	273	397	326	19.60	cps
Erbium	164-2	120	83	87	97	20.98	cps
Gadolinium	160-1	397	463	410	423	8.33	cps
Gadolinium	160-2	677	600	683	653	7.09	cps
Holmium	165-1	46212134	46110573	46041553	46121420	0.19	cps
Holmium	165-2	16040228	14576131	16710286	15775548	6.92	cps
Indium	115-1	35849837	35595135	35526806	35657259	0.48	cps
Indium	115-2	4470215	3921068	4597085	4329456	8.30	cps
Iron	54-2	64093	64344	63731	64056	0.48	cps
Iron	56-2	1150778	1168411	1148573	1155920	0.94	cps
Iron	57-2	29704	29961	29046	29571	1.60	cps
Krypton	83-1	277	323	243	281	14.29	cps
Lead	206-1	26354	27035	27656	27015	2.41	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	PB163819BSD	Instrumnet Name :	P8
Client Sample ID :	LCSD819	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:01:49	DataFile Name :	025LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	22813	24022	24026	23620	2.96	cps
Lead	208-1	105378	108919	109731	108009	2.14	cps
Lithium	6-1	15232896	14895666	15037206	15055256	1.12	cps
Magnesium	24-2	295365	301175	295707	297416	1.10	cps
Manganese	55-2	4284	4337	4071	4231	3.34	cps
Molybdenum	94-1	61837	61485	62349	61890	0.70	cps
Molybdenum	95-1	73576	72615	73033	73075	0.66	cps
Molybdenum	96-1	80719	80883	80619	80741	0.17	cps
Molybdenum	97-1	44692	45217	44879	44929	0.59	cps
Molybdenum	98-1	117032	116806	118611	117483	0.84	cps
Neodymium	150-1	97	67	90	84	18.65	cps
Neodymium	150-2	17	3	7	9	78.08	cps
Nickel	60-2	4237	4154	3944	4112	3.68	cps
Phosphorus	31-2	253	157	220	210	23.38	cps
Potassium	39-2	213644	212710	210398	212251	0.79	cps
Rhodium	103-1	33004446	32596438	32601949	32734278	0.71	cps
Rhodium	103-2	12688816	11166072	12962070	12272319	7.89	cps
Scandium	45-1	22878486	23268863	23607043	23251464	1.57	cps
Scandium	45-2	594500	518138	613977	575539	8.80	cps
Selenium	82-1	2060	2074	2454	2196	10.17	cps
Selenium	77-2	73	73	80	76	5.10	cps
Selenium	78-2	220	220	190	210	8.25	cps
Silicon	28-1	908595	938494	949061	932050	2.25	cps
Silver	107-1	37471	39470	38370	38437	2.60	cps
Silver	109-1	35385	37558	37030	36658	3.09	cps
Sodium	23-2	578853	583636	570846	577778	1.12	cps
Strontium	86-1	10497	10461	10307	10422	0.97	cps
Strontium	88-1	86278	86103	87009	86463	0.56	cps
Sulfur	34-1	650877	646028	645296	647400	0.47	cps
Terbium	159-1	46906424	46889453	46609286	46801721	0.36	cps
Terbium	159-2	15898951	14001575	16603126	15501217	8.68	cps
Thallium	203-1	31525	31248	31381	31385	0.44	cps
Thallium	205-1	75276	75303	75562	75381	0.21	cps
Tin	118-1	4197	4214	4167	4193	0.56	cps
Titanium	47-1	21747	22481	21583	21937	2.18	cps
Uranium	238-1	101595	102032	103056	102228	0.73	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	PB163819BSD	Instrumnet Name :	P8
Client Sample ID :	LCSD819	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:01:49	DataFile Name :	025LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	27146	27540	26491	27059	1.96	cps
Ytterbium	172-1	350	313	347	337	6.02	cps
Ytterbium	172-2	90	77	140	102	32.66	cps
Ytterbium	176-1	10751	10601	10397	10583	1.68	cps
Ytterbium	176-2	57117	52252	59604	56324	6.64	cps
Yttrium	89-1	52542576	52114644	52198721	52285314	0.43	cps
Yttrium	89-2	4528027	4078243	4638809	4415026	6.72	cps
Zinc	66-2	6942	6702	6895	6846	1.86	cps
Zirconium	90-1	54750	54393	54406	54516	0.37	cps
Zirconium	91-1	12175	12065	11862	12034	1.32	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	PB163773BL	Instrumnet Name :	P8
Client Sample ID :	PBS773	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:05:07	DataFile Name :	026CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	220	240	257	239	7.69	cps
Antimony	121-1	210	353	380	314	29.08	cps
Arsenic	75-2	17	0	7	8	107.84	cps
Barium	135-1	720	640	727	696	6.93	cps
Barium	137-1	1180	1110	1117	1136	3.40	cps
Beryllium	9-1	389	369	392	383	3.33	cps
Bismuth	209-1	29214267	28390482	28649310	28751353	1.47	cps
Bismuth	209-2	11757981	11821096	11613654	11730910	0.91	cps
Bromine	81-1	22842	22682	22909	22811	0.51	cps
Cadmium	108-1	100	67	50	72	35.25	cps
Cadmium	106-1	28814	29021	28897	28910	0.36	cps
Cadmium	111-1	2845	2889	2881	2872	0.82	cps
Calcium	43-1	717	653	713	694	5.13	cps
Calcium	44-1	13593	13443	13587	13541	0.63	cps
Carbon	12-1	3467850	3375402	3390674	3411309	1.45	cps
Carbon	12-2	30602	30953	30488	30681	0.79	cps
Chlorine	35-1	220124	218311	217401	218612	0.63	cps
Chlorine	35-2	1100	987	977	1021	6.71	cps
Chromium	52-2	887	880	883	883	0.38	cps
Cobalt	59-2	213	263	260	246	11.38	cps
Copper	63-2	7849	7629	8152	7877	3.34	cps
Dysprosium	156-1	607	600	607	604	0.64	cps
Dysprosium	156-2	37	37	37	37	0.00	cps
Erbium	164-1	357	340	357	351	2.74	cps
Erbium	164-2	140	107	130	126	13.62	cps
Gadolinium	160-1	453	467	470	463	1.90	cps
Gadolinium	160-2	680	637	623	647	4.58	cps
Holmium	165-1	46322518	46351849	46759558	46477975	0.53	cps
Holmium	165-2	16421112	16348020	16437404	16402179	0.29	cps
Indium	115-1	35729365	35861542	36300699	35963868	0.83	cps
Indium	115-2	4512661	4526489	4429003	4489384	1.17	cps
Iron	54-2	1097	1000	1047	1048	4.61	cps
Iron	56-2	11815	11635	11985	11812	1.48	cps
Iron	57-2	390	380	357	376	4.55	cps
Krypton	83-1	283	203	247	244	16.38	cps
Lead	206-1	1380	1357	1330	1356	1.85	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	PB163773BL	Instrumnet Name :	P8
Client Sample ID :	PBS773	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:05:07	DataFile Name :	026CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1253	1130	1230	1205	5.44	cps
Lead	208-1	5507	5547	5367	5474	1.73	cps
Lithium	6-1	14978685	14803894	14851480	14878020	0.61	cps
Magnesium	24-2	1073	1110	1067	1083	2.15	cps
Manganese	55-2	460	397	550	469	16.43	cps
Molybdenum	94-1	890	817	980	896	9.14	cps
Molybdenum	95-1	213	147	173	178	18.87	cps
Molybdenum	96-1	360	377	327	354	7.18	cps
Molybdenum	97-1	107	130	107	114	11.77	cps
Molybdenum	98-1	323	270	260	284	11.97	cps
Neodymium	150-1	97	57	60	71	31.21	cps
Neodymium	150-2	13	7	3	8	65.47	cps
Nickel	60-2	453	527	487	489	7.51	cps
Phosphorus	31-2	243	173	223	213	16.90	cps
Potassium	39-2	19139	18986	19146	19090	0.47	cps
Rhodium	103-1	33507033	32851560	32977443	33112012	1.05	cps
Rhodium	103-2	12737929	12719341	12561886	12673052	0.76	cps
Scandium	45-1	22974737	23261451	22637400	22957863	1.36	cps
Scandium	45-2	599091	594090	592654	595278	0.57	cps
Selenium	82-1	-57	-3	-17	-26	-108.58	cps
Selenium	77-2	0	0	3	1	173.21	cps
Selenium	78-2	27	27	10	21	45.58	cps
Silicon	28-1	701408	697196	699873	699492	0.30	cps
Silver	107-1	797	780	637	738	11.92	cps
Silver	109-1	383	373	310	356	11.18	cps
Sodium	23-2	30940	30756	30562	30752	0.61	cps
Strontium	86-1	493	480	407	460	10.14	cps
Strontium	88-1	1247	950	903	1033	18.02	cps
Sulfur	34-1	639104	634572	635405	636361	0.38	cps
Terbium	159-1	46949184	47647679	47471253	47356039	0.77	cps
Terbium	159-2	16215344	16294507	15954335	16154729	1.10	cps
Thallium	203-1	460	413	460	444	6.06	cps
Thallium	205-1	1167	1190	1210	1189	1.82	cps
Tin	118-1	4401	4474	4474	4450	0.95	cps
Titanium	47-1	267	263	273	268	1.90	cps
Uranium	238-1	63	80	63	69	13.97	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	PB163773BL	Instrumnet Name :	P8
Client Sample ID :	PBS773	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:05:07	DataFile Name :	026CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	10	10	10	10	0.00	cps
Ytterbium	172-1	237	273	310	273	13.42	cps
Ytterbium	172-2	110	107	120	112	6.18	cps
Ytterbium	176-1	10554	10661	10421	10545	1.14	cps
Ytterbium	176-2	57203	58017	58649	57956	1.25	cps
Yttrium	89-1	52499891	52305918	52509384	52438398	0.22	cps
Yttrium	89-2	4573339	4644585	4597326	4605083	0.79	cps
Zinc	66-2	1857	1893	1953	1901	2.57	cps
Zirconium	90-1	2580	2527	2730	2612	4.04	cps
Zirconium	91-1	500	467	517	494	5.15	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	PB163773BS	Instrumnet Name :	P8
Client Sample ID :	LCS773	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:08:27	DataFile Name :	027LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8072	8139	7862	8024	1.80	cps
Antimony	121-1	104220	103746	103941	103969	0.23	cps
Arsenic	75-2	1183	1153	1113	1150	3.05	cps
Barium	135-1	147584	148605	149013	148400	0.50	cps
Barium	137-1	255634	254231	254138	254668	0.33	cps
Beryllium	9-1	15446	15186	15187	15273	0.98	cps
Bismuth	209-1	28631408	29043194	28932239	28868947	0.74	cps
Bismuth	209-2	11851806	11947151	11816602	11871853	0.57	cps
Bromine	81-1	22655	22949	22795	22800	0.64	cps
Cadmium	108-1	1470	1417	1410	1432	2.30	cps
Cadmium	106-1	30697	30146	29999	30281	1.22	cps
Cadmium	111-1	16642	17372	16768	16927	2.30	cps
Calcium	43-1	94317	94867	94595	94593	0.29	cps
Calcium	44-1	1617862	1627501	1609648	1618337	0.55	cps
Carbon	12-1	3586175	3475044	3542672	3534630	1.58	cps
Carbon	12-2	31901	31818	32035	31918	0.34	cps
Chlorine	35-1	210582	208722	209882	209729	0.45	cps
Chlorine	35-2	1013	947	973	978	3.43	cps
Chromium	52-2	31094	30923	31261	31093	0.54	cps
Cobalt	59-2	25613	25687	25667	25655	0.15	cps
Copper	63-2	48787	48767	48559	48704	0.26	cps
Dysprosium	156-1	660	650	680	663	2.30	cps
Dysprosium	156-2	37	40	23	33	26.47	cps
Erbium	164-1	343	410	330	361	11.87	cps
Erbium	164-2	147	153	117	139	14.06	cps
Gadolinium	160-1	520	483	457	487	6.53	cps
Gadolinium	160-2	680	543	613	612	11.16	cps
Holmium	165-1	47155018	47126238	45892681	46724645	1.54	cps
Holmium	165-2	16712354	16498471	16435539	16548788	0.88	cps
Indium	115-1	36395241	35542858	36193698	36043933	1.24	cps
Indium	115-2	4503888	4507624	4431700	4481071	0.96	cps
Iron	54-2	127160	125533	124715	125803	0.99	cps
Iron	56-2	2426559	2419421	2368374	2404785	1.32	cps
Iron	57-2	58359	58094	58088	58180	0.27	cps
Krypton	83-1	280	230	233	248	11.28	cps
Lead	206-1	52496	52683	54028	53069	1.58	cps

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On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	PB163773BS	Instrumnet Name :	P8
Client Sample ID :	LCS773	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:08:27	DataFile Name :	027LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	45476	46854	46801	46377	1.68	cps
Lead	208-1	209026	211822	212737	211195	0.92	cps
Lithium	6-1	15250654	15157097	14743682	15050478	1.79	cps
Magnesium	24-2	588791	590218	584282	587764	0.53	cps
Manganese	55-2	7499	7979	7662	7713	3.17	cps
Molybdenum	94-1	122060	121686	122160	121969	0.20	cps
Molybdenum	95-1	145475	146381	145542	145799	0.35	cps
Molybdenum	96-1	161135	161639	161726	161500	0.20	cps
Molybdenum	97-1	90713	90700	91207	90874	0.32	cps
Molybdenum	98-1	235687	235156	234624	235155	0.23	cps
Neodymium	150-1	80	67	117	88	29.50	cps
Neodymium	150-2	13	10	7	10	33.30	cps
Nickel	60-2	7555	7615	7459	7543	1.05	cps
Phosphorus	31-2	183	200	210	198	6.81	cps
Potassium	39-2	402496	410104	402385	404995	1.09	cps
Rhodium	103-1	33351873	33868689	33023078	33414546	1.28	cps
Rhodium	103-2	12723331	12812071	12576728	12704043	0.94	cps
Scandium	45-1	23182340	23205580	23010373	23132764	0.46	cps
Scandium	45-2	601925	601021	598483	600476	0.30	cps
Selenium	82-1	4114	4387	4591	4364	5.48	cps
Selenium	77-2	130	77	123	110	26.42	cps
Selenium	78-2	370	403	343	372	8.08	cps
Silicon	28-1	1105049	1082418	1076985	1088151	1.37	cps
Silver	107-1	76460	76698	77546	76901	0.74	cps
Silver	109-1	72201	73414	72939	72851	0.84	cps
Sodium	23-2	1182629	1180448	1156014	1173030	1.26	cps
Strontium	86-1	19984	21103	20552	20546	2.72	cps
Strontium	88-1	172260	171799	172569	172209	0.22	cps
Sulfur	34-1	640194	643750	640675	641540	0.30	cps
Terbium	159-1	48355953	46741436	47069706	47389032	1.80	cps
Terbium	159-2	16374491	16188666	16119248	16227468	0.81	cps
Thallium	203-1	60969	63461	62710	62380	2.05	cps
Thallium	205-1	150414	151307	150461	150727	0.33	cps
Tin	118-1	5288	5301	5378	5322	0.91	cps
Titanium	47-1	43693	44165	44041	43966	0.56	cps
Uranium	238-1	207165	207594	208736	207832	0.39	cps

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On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	PB163773BS	Instrumnet Name :	P8
Client Sample ID :	LCS773	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:08:27	DataFile Name :	027LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	53714	53827	53657	53733	0.16	cps
Ytterbium	172-1	340	287	240	289	17.32	cps
Ytterbium	172-2	140	133	110	128	12.33	cps
Ytterbium	176-1	10501	10604	10694	10600	0.91	cps
Ytterbium	176-2	57257	57591	58646	57831	1.25	cps
Yttrium	89-1	52890529	52808558	52227101	52642063	0.69	cps
Yttrium	89-2	4545173	4598691	4546688	4563517	0.67	cps
Zinc	66-2	11451	11832	11558	11614	1.69	cps
Zirconium	90-1	106318	107228	105330	106292	0.89	cps
Zirconium	91-1	23129	23316	23440	23295	0.67	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	PB163773BSD	Instrumnet Name :	P8
Client Sample ID :	LCSD773	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:11:42	DataFile Name :	028LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4397	4167	4177	4247	3.06	cps
Antimony	121-1	51085	50710	49740	50512	1.37	cps
Arsenic	75-2	500	587	513	533	8.75	cps
Barium	135-1	71270	71413	72322	71668	0.80	cps
Barium	137-1	124876	125304	123659	124613	0.68	cps
Beryllium	9-1	7520	7685	7671	7625	1.20	cps
Bismuth	209-1	28636725	28912324	27370135	28306395	2.91	cps
Bismuth	209-2	10451943	11805919	11557871	11271911	6.40	cps
Bromine	81-1	23066	22939	22231	22745	1.98	cps
Cadmium	108-1	673	700	643	672	4.22	cps
Cadmium	106-1	29892	29461	28249	29201	2.92	cps
Cadmium	111-1	10080	9778	9600	9819	2.47	cps
Calcium	43-1	46257	46532	46294	46361	0.32	cps
Calcium	44-1	759808	761062	750510	757126	0.76	cps
Carbon	12-1	4413926	4427504	4407078	4416169	0.24	cps
Carbon	12-2	41334	40372	39045	40250	2.86	cps
Chlorine	35-1	214829	215898	216407	215711	0.37	cps
Chlorine	35-2	1097	1060	1180	1112	5.53	cps
Chromium	52-2	16022	15735	15375	15711	2.06	cps
Cobalt	59-2	13086	12866	12943	12965	0.86	cps
Copper	63-2	29150	28582	28158	28630	1.74	cps
Dysprosium	156-1	670	593	600	621	6.84	cps
Dysprosium	156-2	30	40	53	41	28.47	cps
Erbium	164-1	327	277	380	328	15.77	cps
Erbium	164-2	83	113	107	101	15.58	cps
Gadolinium	160-1	477	493	510	493	3.38	cps
Gadolinium	160-2	553	687	640	627	10.80	cps
Holmium	165-1	45965461	45758348	44735211	45486340	1.45	cps
Holmium	165-2	14768642	16557950	16039729	15788774	5.83	cps
Indium	115-1	36213608	35850744	34880465	35648272	1.93	cps
Indium	115-2	4092100	4547341	4377362	4338935	5.30	cps
Iron	54-2	63504	63825	61903	63077	1.63	cps
Iron	56-2	1157771	1130433	1118353	1135519	1.78	cps
Iron	57-2	28609	28736	27627	28324	2.14	cps
Krypton	83-1	250	257	300	269	10.10	cps
Lead	206-1	25746	26935	27085	26588	2.76	cps

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Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	PB163773BSD	Instrumnet Name :	P8
Client Sample ID :	LCSD773	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:11:42	DataFile Name :	028LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	23331	23117	22997	23149	0.73	cps
Lead	208-1	105382	105775	106005	105721	0.30	cps
Lithium	6-1	14897962	14995577	14549807	14814448	1.58	cps
Magnesium	24-2	291019	289361	282947	287775	1.48	cps
Manganese	55-2	4251	4467	4171	4296	3.57	cps
Molybdenum	94-1	58840	60213	59667	59573	1.16	cps
Molybdenum	95-1	70541	70826	71211	70859	0.47	cps
Molybdenum	96-1	78550	78805	78741	78699	0.17	cps
Molybdenum	97-1	44300	44187	44451	44313	0.30	cps
Molybdenum	98-1	113093	113291	114185	113523	0.51	cps
Neodymium	150-1	63	100	87	83	22.27	cps
Neodymium	150-2	7	10	13	10	33.30	cps
Nickel	60-2	4024	3904	3854	3927	2.23	cps
Phosphorus	31-2	227	200	157	194	18.17	cps
Potassium	39-2	208861	206066	204237	206388	1.13	cps
Rhodium	103-1	32684690	32947653	31745892	32459412	1.95	cps
Rhodium	103-2	11319029	12638495	12181462	12046329	5.56	cps
Scandium	45-1	23213301	23143280	22374894	22910492	2.03	cps
Scandium	45-2	537826	591006	584214	571015	5.07	cps
Selenium	82-1	2177	2237	2127	2180	2.53	cps
Selenium	77-2	60	53	53	56	6.93	cps
Selenium	78-2	220	233	230	228	3.05	cps
Silicon	28-1	933178	890157	927309	916881	2.54	cps
Silver	107-1	37705	37785	37678	37723	0.15	cps
Silver	109-1	34921	36482	35679	35694	2.19	cps
Sodium	23-2	565557	560624	549114	558431	1.51	cps
Strontium	86-1	9937	10334	10044	10105	2.03	cps
Strontium	88-1	86804	84685	84467	85318	1.51	cps
Sulfur	34-1	638386	641506	640147	640013	0.24	cps
Terbium	159-1	47559269	47094641	46073024	46908978	1.62	cps
Terbium	159-2	14677101	15923824	15853786	15484903	4.52	cps
Thallium	203-1	30803	30362	30138	30435	1.11	cps
Thallium	205-1	74556	73731	73580	73956	0.71	cps
Tin	118-1	3941	3921	4197	4020	3.84	cps
Titanium	47-1	21303	21386	21570	21419	0.64	cps
Uranium	238-1	100322	101363	100241	100642	0.62	cps

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	PB163773BSD	Instrumnet Name :	P8
Client Sample ID :	LCSD773	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:11:42	DataFile Name :	028LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	25830	26064	25763	25886	0.61	cps
Ytterbium	172-1	297	253	280	277	7.90	cps
Ytterbium	172-2	113	123	100	112	10.43	cps
Ytterbium	176-1	10868	10978	10324	10723	3.26	cps
Ytterbium	176-2	51438	58184	57324	55649	6.60	cps
Yttrium	89-1	52382186	51662951	49727384	51257507	2.68	cps
Yttrium	89-2	4120991	4593631	4446177	4386933	5.51	cps
Zinc	66-2	6475	6672	6972	6706	3.73	cps
Zirconium	90-1	52769	52435	52579	52594	0.32	cps
Zirconium	91-1	11455	11472	11932	11619	2.33	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-01	Instrumnet Name :	P8
Client Sample ID :	MYD5X4	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:15:02	DataFile Name :	029AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6374431	6376301	6313285	6354672	0.56	cps
Antimony	121-1	12002	12736	12970	12569	4.02	cps
Arsenic	75-2	19854	19674	19807	19778	0.47	cps
Barium	135-1	2750450	2767212	2781428	2766363	0.56	cps
Barium	137-1	4642663	4627138	4654333	4641378	0.29	cps
Beryllium	9-1	10361	10679	10713	10584	1.83	cps
Bismuth	209-1	27742305	28884277	28065709	28230763	2.08	cps
Bismuth	209-2	11401894	11171567	11285893	11286452	1.02	cps
Bromine	81-1	37520	37794	39295	38203	2.50	cps
Cadmium	108-1	857	853	793	834	4.27	cps
Cadmium	106-1	32121	32612	32338	32357	0.76	cps
Cadmium	111-1	6606	6948	6676	6743	2.68	cps
Calcium	43-1	1346415	1324017	1374647	1348360	1.88	cps
Calcium	44-1	21257915	21343738	21434512	21345388	0.41	cps
Carbon	12-1	6898814	7148942	7316583	7121446	2.95	cps
Carbon	12-2	68157	67735	68619	68170	0.65	cps
Chlorine	35-1	254175903	268915063	275693656	266261540	4.13	cps
Chlorine	35-2	1492493	1505869	1488043	1495468	0.62	cps
Chromium	52-2	247191	248584	247855	247877	0.28	cps
Cobalt	59-2	364729	365871	362938	364513	0.41	cps
Copper	63-2	817068	808741	805447	810418	0.74	cps
Dysprosium	156-1	279836	281321	280062	280406	0.29	cps
Dysprosium	156-2	95300	95421	95984	95568	0.38	cps
Erbium	164-1	206407	209924	210928	209086	1.14	cps
Erbium	164-2	70716	71182	72127	71342	1.01	cps
Gadolinium	160-1	227028	232039	231724	230263	1.22	cps
Gadolinium	160-2	92733	91985	92629	92449	0.44	cps
Holmium	165-1	46809146	47488948	46454864	46917653	1.12	cps
Holmium	165-2	16709694	16395012	16709676	16604794	1.09	cps
Indium	115-1	35516259	35339600	35603778	35486545	0.38	cps
Indium	115-2	4423890	4391154	4390911	4401985	0.43	cps
Iron	54-2	18432323	18472068	18455761	18453384	0.11	cps
Iron	56-2	342010822	336854315	339298308	339387815	0.76	cps
Iron	57-2	8544405	8533994	8454851	8511083	0.58	cps
Krypton	83-1	597	687	523	602	13.58	cps
Lead	206-1	1209858	1206107	1227584	1214516	0.94	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-01	Instrumnet Name :	P8
Client Sample ID :	MYD5X4	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:15:02	DataFile Name :	029AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1047916	1082660	1081909	1070828	1.85	cps
Lead	208-1	4864246	5032601	4949017	4948621	1.70	cps
Lithium	6-1	15168230	15242234	15355312	15255259	0.62	cps
Magnesium	24-2	7640856	7605248	7468271	7571459	1.20	cps
Manganese	55-2	5631720	5637076	5631973	5633590	0.05	cps
Molybdenum	94-1	90311	92337	92739	91796	1.42	cps
Molybdenum	95-1	8873	8996	9180	9016	1.71	cps
Molybdenum	96-1	26579	27220	27734	27178	2.13	cps
Molybdenum	97-1	5645	5808	5361	5605	4.03	cps
Molybdenum	98-1	14064	13924	14111	14033	0.69	cps
Neodymium	150-1	390393	392147	393842	392128	0.44	cps
Neodymium	150-2	104309	103294	104194	103932	0.53	cps
Nickel	60-2	114913	116250	115729	115630	0.58	cps
Phosphorus	31-2	13860	14077	14070	14002	0.88	cps
Potassium	39-2	2407577	2396050	2383269	2395632	0.51	cps
Rhodium	103-1	32017787	32373083	32308763	32233211	0.59	cps
Rhodium	103-2	12453036	12503916	12555199	12504051	0.41	cps
Scandium	45-1	24210930	23968888	23864313	24014710	0.74	cps
Scandium	45-2	630390	631106	627448	629648	0.31	cps
Selenium	82-1	467	420	650	512	23.74	cps
Selenium	77-2	403	543	497	481	14.82	cps
Selenium	78-2	347	380	430	386	10.88	cps
Silicon	28-1	150443828	149472338	151578711	150498292	0.70	cps
Silver	107-1	11772	11014	10704	11164	4.92	cps
Silver	109-1	10901	10531	9957	10463	4.55	cps
Sodium	23-2	798687	801454	799395	799845	0.18	cps
Strontium	86-1	808040	826002	831339	821794	1.49	cps
Strontium	88-1	7339740	7574836	7459274	7457950	1.58	cps
Sulfur	34-1	693419	696503	700436	696786	0.50	cps
Terbium	159-1	47031938	47706304	46610069	47116104	1.17	cps
Terbium	159-2	16219651	16035998	16114521	16123390	0.57	cps
Thallium	203-1	11632	12179	12349	12053	3.11	cps
Thallium	205-1	28491	28896	29868	29085	2.43	cps
Tin	118-1	73777	72792	75466	74012	1.83	cps
Titanium	47-1	2840967	2796727	2845196	2827630	0.95	cps
Uranium	238-1	84902	86653	86229	85928	1.06	cps

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On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-01	Instrumnet Name :	P8
Client Sample ID :	MYD5X4	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:15:02	DataFile Name :	029AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	553785	552694	550139	552206	0.34	cps
Ytterbium	172-1	60477	61281	62654	61471	1.79	cps
Ytterbium	172-2	24984	25775	25508	25422	1.58	cps
Ytterbium	176-1	49271	50486	49981	49913	1.22	cps
Ytterbium	176-2	72994	73607	74908	73836	1.32	cps
Yttrium	89-1	55147124	56536647	55844891	55842888	1.24	cps
Yttrium	89-2	4885208	4863102	4859340	4869217	0.29	cps
Zinc	66-2	183443	180787	181513	181915	0.75	cps
Zirconium	90-1	233229	240007	241234	238157	1.81	cps
Zirconium	91-1	51926	53318	53482	52909	1.62	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-02	Instrumnet Name :	P8
Client Sample ID :	MYD5X5	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:18:08	DataFile Name :	030AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6478337	6500073	6565806	6514739	0.70	cps
Antimony	121-1	20826	21681	21040	21182	2.10	cps
Arsenic	75-2	38944	39124	39044	39037	0.23	cps
Barium	135-1	2823323	2822732	2880743	2842266	1.17	cps
Barium	137-1	4868550	4939477	4867822	4891950	0.84	cps
Beryllium	9-1	10655	10774	10811	10747	0.76	cps
Bismuth	209-1	30564819	27888302	28189211	28880777	5.08	cps
Bismuth	209-2	11358194	11221850	11199932	11259992	0.76	cps
Bromine	81-1	31345	32782	32611	32246	2.43	cps
Cadmium	108-1	1453	1527	1547	1509	3.26	cps
Cadmium	106-1	36365	33511	33578	34484	4.72	cps
Cadmium	111-1	13320	13077	12883	13093	1.67	cps
Calcium	43-1	3567598	3571482	3536002	3558361	0.55	cps
Calcium	44-1	55966894	57139957	57530586	56879146	1.43	cps
Carbon	12-1	10966884	11253494	11642711	11287697	3.01	cps
Carbon	12-2	105733	105874	105619	105742	0.12	cps
Chlorine	35-1	270429256	281279822	288080602	279929894	3.18	cps
Chlorine	35-2	1532040	1573365	1563278	1556227	1.38	cps
Chromium	52-2	309400	310853	314328	311527	0.81	cps
Cobalt	59-2	369707	366971	364772	367150	0.67	cps
Copper	63-2	1221340	1233863	1225876	1227027	0.52	cps
Dysprosium	156-1	311633	313659	318967	314753	1.20	cps
Dysprosium	156-2	108378	107962	108802	108381	0.39	cps
Erbium	164-1	229104	233267	233973	232115	1.13	cps
Erbium	164-2	79057	79868	78889	79271	0.66	cps
Gadolinium	160-1	257019	262637	262707	260788	1.25	cps
Gadolinium	160-2	103968	103767	103152	103629	0.41	cps
Holmium	165-1	51590353	46916364	47014919	48507212	5.51	cps
Holmium	165-2	16720241	16373197	16246223	16446554	1.49	cps
Indium	115-1	38615491	35987400	35853313	36818735	4.23	cps
Indium	115-2	4429279	4365702	4364188	4386390	0.85	cps
Iron	54-2	18393939	18317935	18388552	18366809	0.23	cps
Iron	56-2	334396635	332855802	335605522	334285986	0.41	cps
Iron	57-2	8516517	8379441	8341141	8412366	1.10	cps
Krypton	83-1	677	737	587	667	11.32	cps
Lead	206-1	2713029	2720112	2839761	2757634	2.58	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-02	Instrumnet Name :	P8
Client Sample ID :	MYD5X5	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:18:08	DataFile Name :	030AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	2456977	2456568	2520623	2478056	1.49	cps
Lead	208-1	11062505	11090017	11281817	11144780	1.07	cps
Lithium	6-1	16256741	14949983	15843785	15683503	4.26	cps
Magnesium	24-2	10196177	10098542	10375071	10223263	1.37	cps
Manganese	55-2	6208154	6245739	6360185	6271359	1.26	cps
Molybdenum	94-1	135068	140269	139602	138313	2.05	cps
Molybdenum	95-1	9627	9957	9550	9711	2.23	cps
Molybdenum	96-1	34890	35455	35993	35446	1.56	cps
Molybdenum	97-1	6145	6081	6141	6123	0.58	cps
Molybdenum	98-1	15629	15639	15786	15685	0.56	cps
Neodymium	150-1	452276	462846	462602	459241	1.31	cps
Neodymium	150-2	118858	120297	118709	119288	0.74	cps
Nickel	60-2	159738	158570	160052	159453	0.49	cps
Phosphorus	31-2	28321	28782	28615	28573	0.82	cps
Potassium	39-2	3838362	3751506	3754186	3781351	1.31	cps
Rhodium	103-1	35260964	32418042	32458622	33379209	4.88	cps
Rhodium	103-2	12202693	12379926	12247413	12276677	0.75	cps
Scandium	45-1	26482839	24378769	24894140	25251916	4.34	cps
Scandium	45-2	627003	626647	628065	627239	0.12	cps
Selenium	82-1	620	383	693	566	28.65	cps
Selenium	77-2	487	490	533	503	5.17	cps
Selenium	78-2	330	500	483	438	21.41	cps
Silicon	28-1	149441198	151100688	153672518	151404801	1.41	cps
Silver	107-1	22315	21784	22475	22191	1.63	cps
Silver	109-1	20706	20893	21504	21034	1.98	cps
Sodium	23-2	266012	267812	265970	266598	0.39	cps
Strontium	86-1	1015906	1037563	1044310	1032593	1.44	cps
Strontium	88-1	9252144	9382157	9195188	9276496	1.03	cps
Sulfur	34-1	925530	932010	927629	928390	0.36	cps
Terbium	159-1	51133064	46893401	48089951	48705472	4.49	cps
Terbium	159-2	16297135	15954518	16260692	16170782	1.16	cps
Thallium	203-1	11095	11458	11255	11269	1.62	cps
Thallium	205-1	26938	27847	27994	27593	2.07	cps
Tin	118-1	209532	214801	215241	213192	1.49	cps
Titanium	47-1	2464578	2518365	2571441	2518128	2.12	cps
Uranium	238-1	74202	74493	75610	74768	0.99	cps

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Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-02	Instrumnet Name :	P8
Client Sample ID :	MYD5X5	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:18:08	DataFile Name :	030AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	511008	514892	512921	512940	0.38	cps
Ytterbium	172-1	70426	71384	70661	70824	0.71	cps
Ytterbium	172-2	29182	29109	29115	29135	0.14	cps
Ytterbium	176-1	55774	55596	56320	55897	0.67	cps
Ytterbium	176-2	76185	76215	75920	76107	0.21	cps
Yttrium	89-1	60952622	56825637	56853929	58210730	4.08	cps
Yttrium	89-2	4911809	4894680	4879199	4895230	0.33	cps
Zinc	66-2	393176	397395	393482	394684	0.60	cps
Zirconium	90-1	359973	370737	372633	367781	1.86	cps
Zirconium	91-1	79337	82227	81490	81018	1.85	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-03	Instrumnet Name :	P8
Client Sample ID :	MYD5X6	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:21:14	DataFile Name :	031AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6633476	6714367	6646590	6664811	0.65	cps
Antimony	121-1	29509	30066	30454	30010	1.58	cps
Arsenic	75-2	52059	52370	52012	52147	0.37	cps
Barium	135-1	2726679	2808587	2767015	2767427	1.48	cps
Barium	137-1	4675151	4771264	4798352	4748256	1.36	cps
Beryllium	9-1	10447	10574	10549	10523	0.64	cps
Bismuth	209-1	27564996	27284217	27319085	27389433	0.56	cps
Bismuth	209-2	11002009	10922415	10930989	10951805	0.40	cps
Bromine	81-1	28312	28305	29371	28663	2.14	cps
Cadmium	108-1	2060	2077	2220	2119	4.15	cps
Cadmium	106-1	34503	33965	33848	34105	1.02	cps
Cadmium	111-1	18295	18353	18921	18523	1.87	cps
Calcium	43-1	10098078	9963744	10042679	10034834	0.67	cps
Calcium	44-1	162897974	165314911	163229941	163814275	0.80	cps
Carbon	12-1	7974958	8191083	8303650	8156564	2.05	cps
Carbon	12-2	75580	75352	76085	75672	0.50	cps
Chlorine	35-1	255855503	262738256	267653503	262082421	2.26	cps
Chlorine	35-2	1434450	1426580	1426742	1429257	0.31	cps
Chromium	52-2	337449	338134	335451	337011	0.41	cps
Cobalt	59-2	407036	408395	408140	407857	0.18	cps
Copper	63-2	924969	928542	922834	925448	0.31	cps
Dysprosium	156-1	304914	306900	308702	306838	0.62	cps
Dysprosium	156-2	102989	103436	104417	103614	0.70	cps
Erbium	164-1	226276	231935	233786	230666	1.70	cps
Erbium	164-2	78007	78252	77491	77916	0.50	cps
Gadolinium	160-1	250529	255671	253466	253222	1.02	cps
Gadolinium	160-2	99138	99666	99021	99275	0.35	cps
Holmium	165-1	46171366	46125028	46896991	46397795	0.93	cps
Holmium	165-2	16305461	16205253	16284072	16264929	0.32	cps
Indium	115-1	35685659	35117118	35809517	35537431	1.04	cps
Indium	115-2	4285810	4318210	4299000	4301007	0.38	cps
Iron	54-2	20148358	20345834	20273616	20255936	0.49	cps
Iron	56-2	374062141	371177501	373809541	373016394	0.43	cps
Iron	57-2	9446856	9387217	9222768	9352281	1.24	cps
Krypton	83-1	693	667	657	672	2.82	cps
Lead	206-1	4453340	4500200	4445215	4466252	0.66	cps

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-03	Instrumnet Name :	P8
Client Sample ID :	MYD5X6	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:21:14	DataFile Name :	031AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	4096965	4146859	4210738	4151520	1.37	cps
Lead	208-1	18088042	18384242	18364730	18279005	0.91	cps
Lithium	6-1	15413124	15439844	15188543	15347170	0.90	cps
Magnesium	24-2	10956599	10994704	10828186	10926496	0.80	cps
Manganese	55-2	6660788	6693255	6682322	6678788	0.25	cps
Molybdenum	94-1	175229	176265	180157	177217	1.47	cps
Molybdenum	95-1	11612	12062	11758	11811	1.94	cps
Molybdenum	96-1	42959	44000	43277	43412	1.23	cps
Molybdenum	97-1	6725	7182	6895	6934	3.33	cps
Molybdenum	98-1	18052	18459	18366	18292	1.17	cps
Neodymium	150-1	438745	447314	446444	444167	1.06	cps
Neodymium	150-2	117288	114531	117354	116391	1.38	cps
Nickel	60-2	170434	172390	172320	171715	0.65	cps
Phosphorus	31-2	19890	20127	20311	20110	1.05	cps
Potassium	39-2	2228158	2197740	2181718	2202539	1.07	cps
Rhodium	103-1	31341150	31052847	31727157	31373718	1.08	cps
Rhodium	103-2	12026807	11986236	12051101	12021382	0.27	cps
Scandium	45-1	24311402	24282240	24339386	24311010	0.12	cps
Scandium	45-2	619351	611905	613694	614983	0.63	cps
Selenium	82-1	530	547	657	578	11.91	cps
Selenium	77-2	497	520	573	530	7.41	cps
Selenium	78-2	433	460	470	454	4.17	cps
Silicon	28-1	132258781	131904835	130394068	131519228	0.75	cps
Silver	107-1	30504	31376	31409	31096	1.65	cps
Silver	109-1	29124	29455	29201	29260	0.59	cps
Sodium	23-2	225870	224588	225306	225255	0.29	cps
Strontium	86-1	1144490	1166102	1165382	1158658	1.06	cps
Strontium	88-1	10429506	10470324	10463299	10454376	0.21	cps
Sulfur	34-1	951307	969194	977331	965944	1.38	cps
Terbium	159-1	47072081	47425308	47187083	47228157	0.38	cps
Terbium	159-2	15961981	15613799	15985723	15853834	1.31	cps
Thallium	203-1	10244	10391	10358	10331	0.74	cps
Thallium	205-1	24720	24931	24543	24731	0.78	cps
Tin	118-1	96755	95537	96674	96322	0.71	cps
Titanium	47-1	3036071	3054945	3057486	3049501	0.38	cps
Uranium	238-1	78027	78795	79325	78716	0.83	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-03	Instrumnet Name :	P8
Client Sample ID :	MYD5X6	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:21:14	DataFile Name :	031AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	619177	617264	622794	619745	0.45	cps
Ytterbium	172-1	73640	74894	74448	74327	0.85	cps
Ytterbium	172-2	29971	30215	29824	30003	0.66	cps
Ytterbium	176-1	56678	57695	58650	57674	1.71	cps
Ytterbium	176-2	74368	75216	75581	75055	0.83	cps
Yttrium	89-1	56352016	56124288	56330886	56269063	0.22	cps
Yttrium	89-2	4873273	4905384	4818074	4865577	0.91	cps
Zinc	66-2	749280	748602	747129	748337	0.15	cps
Zirconium	90-1	465797	467640	467791	467076	0.24	cps
Zirconium	91-1	103050	104203	104888	104047	0.89	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-04	Instrumnet Name :	P8
Client Sample ID :	MYD5X7	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:24:23	DataFile Name :	032AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5555856	5514603	5417140	5495866	1.30	cps
Antimony	121-1	16664	17188	16487	16779	2.17	cps
Arsenic	75-2	27888	28212	27784	27961	0.80	cps
Barium	135-1	2574426	2655563	2638891	2622960	1.63	cps
Barium	137-1	4443703	4397502	4506387	4449198	1.23	cps
Beryllium	9-1	9382	9461	9507	9450	0.67	cps
Bismuth	209-1	27839520	24598886	27139665	26526024	6.43	cps
Bismuth	209-2	11173144	11297148	11077149	11182480	0.99	cps
Bromine	81-1	29197	30196	30416	29937	2.17	cps
Cadmium	108-1	1363	1260	1193	1272	6.73	cps
Cadmium	106-1	32812	29265	30567	30881	5.81	cps
Cadmium	111-1	9652	9743	10057	9817	2.16	cps
Calcium	43-1	2508281	2540311	2528005	2525532	0.64	cps
Calcium	44-1	40613853	40953676	40792964	40786831	0.42	cps
Carbon	12-1	9574924	9827728	9858709	9753787	1.60	cps
Carbon	12-2	91093	89829	89507	90143	0.93	cps
Chlorine	35-1	255369090	267540023	269591109	264166741	2.91	cps
Chlorine	35-2	1432987	1408233	1418171	1419797	0.88	cps
Chromium	52-2	268055	266313	267253	267207	0.33	cps
Cobalt	59-2	318238	315737	315331	316435	0.50	cps
Copper	63-2	793694	793762	793427	793628	0.02	cps
Dysprosium	156-1	305625	310743	308219	308195	0.83	cps
Dysprosium	156-2	103745	104457	105052	104418	0.63	cps
Erbium	164-1	230374	233237	234126	232579	0.84	cps
Erbium	164-2	78225	79070	78869	78721	0.56	cps
Gadolinium	160-1	254535	259066	257183	256928	0.89	cps
Gadolinium	160-2	100610	101298	102581	101496	0.99	cps
Holmium	165-1	46637718	42385144	44439386	44487416	4.78	cps
Holmium	165-2	16260188	16523685	16450445	16411439	0.83	cps
Indium	115-1	35801789	31492650	33577075	33623838	6.41	cps
Indium	115-2	4390822	4358379	4342551	4363917	0.56	cps
Iron	54-2	16355011	15958331	15923482	16078941	1.49	cps
Iron	56-2	296786742	294447736	295671509	295635329	0.40	cps
Iron	57-2	7463698	7362283	7282191	7369391	1.23	cps
Krypton	83-1	620	607	660	629	4.41	cps
Lead	206-1	2110269	2167398	2190773	2156147	1.92	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-04	Instrumnet Name :	P8
Client Sample ID :	MYD5X7	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:24:23	DataFile Name :	032AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1909334	1982353	1937237	1942975	1.90	cps
Lead	208-1	8618039	8798784	8746286	8721036	1.07	cps
Lithium	6-1	15151161	13833165	14934218	14639514	4.83	cps
Magnesium	24-2	8028019	8039999	7955414	8007811	0.57	cps
Manganese	55-2	5362778	5164188	5213733	5246899	1.97	cps
Molybdenum	94-1	125473	130562	128803	128279	2.01	cps
Molybdenum	95-1	9860	9780	9944	9861	0.83	cps
Molybdenum	96-1	33550	33631	34416	33866	1.41	cps
Molybdenum	97-1	5878	6101	6181	6054	2.60	cps
Molybdenum	98-1	15352	15652	16376	15794	3.33	cps
Neodymium	150-1	438746	446231	446048	443675	0.96	cps
Neodymium	150-2	113916	116255	113300	114490	1.36	cps
Nickel	60-2	131629	130340	129825	130598	0.71	cps
Phosphorus	31-2	20184	19974	20171	20110	0.59	cps
Potassium	39-2	2471811	2487128	2464319	2474419	0.47	cps
Rhodium	103-1	32478940	28675724	30261842	30472168	6.27	cps
Rhodium	103-2	12265791	12469576	12199035	12311467	1.14	cps
Scandium	45-1	24298252	21479241	22846922	22874805	6.16	cps
Scandium	45-2	612966	612347	604314	609876	0.79	cps
Selenium	82-1	503	567	463	511	10.19	cps
Selenium	77-2	467	473	510	483	4.83	cps
Selenium	78-2	400	417	473	430	8.94	cps
Silicon	28-1	140839521	141846468	143561671	142082553	0.97	cps
Silver	107-1	16053	15709	16160	15974	1.47	cps
Silver	109-1	14398	14925	14648	14657	1.80	cps
Sodium	23-2	204280	203731	203485	203832	0.20	cps
Strontium	86-1	732679	757728	764662	751690	2.24	cps
Strontium	88-1	6697283	6862541	6803216	6787680	1.23	cps
Sulfur	34-1	762440	771870	765468	766593	0.63	cps
Terbium	159-1	46894383	42098079	44853318	44615260	5.40	cps
Terbium	159-2	16075013	16063499	16005139	16047884	0.23	cps
Thallium	203-1	8850	8957	8956	8921	0.69	cps
Thallium	205-1	21568	21862	21485	21638	0.92	cps
Tin	118-1	80531	81661	80860	81017	0.72	cps
Titanium	47-1	2312903	2372372	2290944	2325406	1.81	cps
Uranium	238-1	74312	74138	76358	74936	1.65	cps

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On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-04	Instrumnet Name :	P8
Client Sample ID :	MYD5X7	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:24:23	DataFile Name :	032AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	458909	459965	457604	458826	0.26	cps
Ytterbium	172-1	70691	71649	71458	71266	0.71	cps
Ytterbium	172-2	28678	28417	28257	28451	0.75	cps
Ytterbium	176-1	54442	54699	55439	54860	0.94	cps
Ytterbium	176-2	74381	75974	74961	75105	1.07	cps
Yttrium	89-1	56231559	49836281	53510574	53192805	6.03	cps
Yttrium	89-2	4742815	4902620	4831591	4825675	1.66	cps
Zinc	66-2	290179	289252	289428	289620	0.17	cps
Zirconium	90-1	336200	343566	348679	342815	1.83	cps
Zirconium	91-1	74484	76314	76700	75833	1.56	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-05	Instrumnet Name :	P8
Client Sample ID :	MYD5X8	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:27:30	DataFile Name :	033AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	7515820	7429804	7405821	7450482	0.78	cps
Antimony	121-1	8986	8726	8780	8831	1.56	cps
Arsenic	75-2	16650	16530	16743	16641	0.64	cps
Barium	135-1	3091276	3164938	3131970	3129395	1.18	cps
Barium	137-1	5255119	5316027	5379440	5316862	1.17	cps
Beryllium	9-1	11085	11399	11058	11181	1.70	cps
Bismuth	209-1	26463774	27481873	28032640	27326095	2.91	cps
Bismuth	209-2	10997653	10793305	10786288	10859082	1.11	cps
Bromine	81-1	26148	26686	26021	26285	1.34	cps
Cadmium	108-1	1043	1097	1083	1074	2.58	cps
Cadmium	106-1	31914	32478	31927	32106	1.00	cps
Cadmium	111-1	4858	4837	4985	4893	1.63	cps
Calcium	43-1	8586312	8729069	8942756	8752712	2.05	cps
Calcium	44-1	141093241	141587991	141338295	141339842	0.18	cps
Carbon	12-1	4687882	4756939	4760243	4735021	0.86	cps
Carbon	12-2	44497	43752	44370	44206	0.90	cps
Chlorine	35-1	265963209	278566183	284823156	276450849	3.47	cps
Chlorine	35-2	1518168	1481521	1492060	1497249	1.26	cps
Chromium	52-2	353842	348149	348381	350124	0.92	cps
Cobalt	59-2	404525	402988	403391	403635	0.20	cps
Copper	63-2	672556	667666	668469	669564	0.39	cps
Dysprosium	156-1	387664	395016	400800	394493	1.67	cps
Dysprosium	156-2	127602	126054	128598	127418	1.01	cps
Erbium	164-1	266235	272258	272148	270214	1.28	cps
Erbium	164-2	89964	89800	89972	89912	0.11	cps
Gadolinium	160-1	297206	302325	307103	302211	1.64	cps
Gadolinium	160-2	117479	117637	118457	117858	0.45	cps
Holmium	165-1	45244338	46704754	47711051	46553381	2.66	cps
Holmium	165-2	16105728	16343661	15769859	16073083	1.79	cps
Indium	115-1	33900965	35358025	35509907	34922966	2.54	cps
Indium	115-2	4264332	4198607	4201610	4221517	0.88	cps
Iron	54-2	20450871	20063431	20723702	20412668	1.63	cps
Iron	56-2	374933088	368838861	373180981	372317643	0.84	cps
Iron	57-2	9388151	9364254	9478333	9410246	0.64	cps
Krypton	83-1	723	733	683	713	3.71	cps
Lead	206-1	543637	549280	560404	551107	1.55	cps

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-05	Instrumnet Name :	P8
Client Sample ID :	MYD5X8	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:27:30	DataFile Name :	033AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	449683	462581	463556	458607	1.69	cps
Lead	208-1	2095740	2148386	2158150	2134092	1.57	cps
Lithium	6-1	14914310	15312243	15245072	15157208	1.41	cps
Magnesium	24-2	12155059	12327835	12133508	12205467	0.87	cps
Manganese	55-2	5923381	5832270	5902938	5886196	0.81	cps
Molybdenum	94-1	172040	174435	175438	173971	1.00	cps
Molybdenum	95-1	7929	8056	7846	7943	1.33	cps
Molybdenum	96-1	39319	41154	41599	40691	2.97	cps
Molybdenum	97-1	4884	5004	5074	4988	1.93	cps
Molybdenum	98-1	12336	12839	12889	12688	2.41	cps
Neodymium	150-1	525235	530420	540144	531933	1.42	cps
Neodymium	150-2	136257	137975	135891	136708	0.81	cps
Nickel	60-2	162648	163078	162708	162811	0.14	cps
Phosphorus	31-2	20555	20227	20755	20512	1.30	cps
Potassium	39-2	1986737	1964965	1975628	1975777	0.55	cps
Rhodium	103-1	30307114	31815859	32193367	31438780	3.17	cps
Rhodium	103-2	11780753	11659861	11900262	11780292	1.02	cps
Scandium	45-1	23220431	24010570	23742421	23657808	1.70	cps
Scandium	45-2	611618	606079	601792	606496	0.81	cps
Selenium	82-1	343	347	340	343	0.97	cps
Selenium	77-2	563	547	510	540	5.05	cps
Selenium	78-2	467	413	543	474	13.77	cps
Silicon	28-1	137217065	138355541	138743865	138105490	0.57	cps
Silver	107-1	4307	4214	4321	4281	1.36	cps
Silver	109-1	3407	3280	3340	3343	1.90	cps
Sodium	23-2	278757	276630	278049	277812	0.39	cps
Strontium	86-1	2076706	2096042	2064637	2079128	0.76	cps
Strontium	88-1	17850132	18055990	17803473	17903198	0.75	cps
Sulfur	34-1	635086	636868	639517	637157	0.35	cps
Terbium	159-1	46150173	47451378	47496948	47032833	1.63	cps
Terbium	159-2	15812015	15719075	15596919	15709336	0.69	cps
Thallium	203-1	8983	9170	9617	9257	3.52	cps
Thallium	205-1	21661	22119	22339	22040	1.57	cps
Tin	118-1	64638	66105	66504	65749	1.49	cps
Titanium	47-1	2799338	2858486	2841637	2833154	1.08	cps
Uranium	238-1	100721	101413	101665	101267	0.48	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-05	Instrumnet Name :	P8
Client Sample ID :	MYD5X8	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:27:30	DataFile Name :	033AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	663321	658632	656292	659415	0.54	cps
Ytterbium	172-1	79692	80228	81023	80314	0.83	cps
Ytterbium	172-2	32303	32670	32674	32549	0.65	cps
Ytterbium	176-1	60950	62159	62376	61828	1.24	cps
Ytterbium	176-2	76915	76972	76912	76933	0.04	cps
Yttrium	89-1	54701854	56590849	56243746	55845483	1.80	cps
Yttrium	89-2	4770398	4760461	4860355	4797071	1.15	cps
Zinc	66-2	148017	146219	147407	147214	0.62	cps
Zirconium	90-1	463569	469170	467904	466881	0.63	cps
Zirconium	91-1	101295	102990	102699	102328	0.89	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-06	Instrumnet Name :	P8
Client Sample ID :	MYD5X9	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:30:37	DataFile Name :	034AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5292587	5329940	5293771	5305433	0.40	cps
Antimony	121-1	21644	21677	22332	21884	1.77	cps
Arsenic	75-2	28011	28081	28215	28103	0.37	cps
Barium	135-1	2162000	2173382	2197730	2177704	0.84	cps
Barium	137-1	3709057	3737033	3720709	3722266	0.38	cps
Beryllium	9-1	8102	8221	8171	8165	0.73	cps
Bismuth	209-1	28516896	28054080	28028145	28199707	0.98	cps
Bismuth	209-2	11153728	11046991	10964696	11055138	0.86	cps
Bromine	81-1	32124	31876	33166	32389	2.11	cps
Cadmium	108-1	1340	1380	1447	1389	3.88	cps
Cadmium	106-1	33370	32164	31803	32446	2.53	cps
Cadmium	111-1	12046	12458	12011	12172	2.04	cps
Calcium	43-1	5806850	5937705	5901541	5882032	1.15	cps
Calcium	44-1	94724139	96232612	95261185	95405979	0.80	cps
Carbon	12-1	22888507	23679891	24281823	23616740	2.96	cps
Carbon	12-2	216175	216472	216361	216336	0.07	cps
Chlorine	35-1	274884196	285251976	288776362	282970845	2.55	cps
Chlorine	35-2	1506105	1509739	1491135	1502327	0.66	cps
Chromium	52-2	259527	261071	261244	260614	0.36	cps
Cobalt	59-2	304185	303159	301031	302792	0.53	cps
Copper	63-2	1061726	1053812	1062716	1059418	0.46	cps
Dysprosium	156-1	277997	280722	286395	281705	1.52	cps
Dysprosium	156-2	93605	93977	93410	93664	0.31	cps
Erbium	164-1	196851	199584	200437	198957	0.94	cps
Erbium	164-2	66813	66971	66080	66621	0.71	cps
Gadolinium	160-1	224139	225441	228932	226171	1.10	cps
Gadolinium	160-2	88796	89203	87719	88573	0.87	cps
Holmium	165-1	47462646	47363819	47127393	47317953	0.36	cps
Holmium	165-2	16115555	16100242	16269848	16161882	0.58	cps
Indium	115-1	36367457	35814851	35776694	35986334	0.92	cps
Indium	115-2	4275397	4309873	4228509	4271260	0.96	cps
Iron	54-2	14452181	14499232	14394527	14448647	0.36	cps
Iron	56-2	264462816	262490083	260047563	262333487	0.84	cps
Iron	57-2	6679977	6650287	6597407	6642557	0.63	cps
Krypton	83-1	660	613	550	608	9.08	cps
Lead	206-1	2767031	2856621	2837282	2820311	1.67	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-06	Instrumnet Name :	P8
Client Sample ID :	MYD5X9	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:30:37	DataFile Name :	034AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	2537448	2552251	2620390	2570030	1.72	cps
Lead	208-1	11257161	11435850	11482416	11391809	1.04	cps
Lithium	6-1	15259741	15261776	15351629	15291049	0.34	cps
Magnesium	24-2	8841407	8946561	8786287	8858085	0.92	cps
Manganese	55-2	5006627	5019898	5016438	5014321	0.14	cps
Molybdenum	94-1	114846	118449	118600	117299	1.81	cps
Molybdenum	95-1	7952	8246	8056	8085	1.84	cps
Molybdenum	96-1	29865	30153	29515	29844	1.07	cps
Molybdenum	97-1	5054	5108	5184	5115	1.28	cps
Molybdenum	98-1	12933	13393	13320	13215	1.87	cps
Neodymium	150-1	400494	406426	406406	404442	0.85	cps
Neodymium	150-2	103992	104416	103882	104097	0.27	cps
Nickel	60-2	133738	130306	130965	131670	1.38	cps
Phosphorus	31-2	23439	23576	23840	23618	0.86	cps
Potassium	39-2	3290797	3284673	3229746	3268405	1.03	cps
Rhodium	103-1	32396040	31996706	32103097	32165281	0.64	cps
Rhodium	103-2	12182634	12105448	12092268	12126783	0.40	cps
Scandium	45-1	24197034	23750858	24070065	24005985	0.96	cps
Scandium	45-2	596785	596314	593751	595617	0.27	cps
Selenium	82-1	440	537	603	527	15.59	cps
Selenium	77-2	453	450	423	442	3.72	cps
Selenium	78-2	363	383	433	393	9.17	cps
Silicon	28-1	159003294	162592131	163079324	161558250	1.38	cps
Silver	107-1	21794	21847	22301	21981	1.27	cps
Silver	109-1	19591	20465	20923	20326	3.33	cps
Sodium	23-2	197014	195616	196606	196412	0.37	cps
Strontium	86-1	851582	870837	864917	862446	1.14	cps
Strontium	88-1	7646309	7881688	7734069	7754022	1.53	cps
Sulfur	34-1	876236	883976	883669	881294	0.50	cps
Terbium	159-1	49022411	48018436	49001198	48680681	1.18	cps
Terbium	159-2	16024976	15927948	15665005	15872643	1.17	cps
Thallium	203-1	8293	8213	8176	8227	0.73	cps
Thallium	205-1	19575	19829	19949	19784	0.96	cps
Tin	118-1	69773	72212	71432	71139	1.75	cps
Titanium	47-1	1889804	1900260	1937184	1909083	1.30	cps
Uranium	238-1	61679	62359	62928	62322	1.00	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-06	Instrumnet Name :	P8
Client Sample ID :	MYD5X9	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:30:37	DataFile Name :	034AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	410770	408406	408857	409344	0.31	cps
Ytterbium	172-1	59245	60842	60903	60330	1.56	cps
Ytterbium	172-2	23888	24242	24362	24164	1.02	cps
Ytterbium	176-1	48710	48826	49419	48985	0.78	cps
Ytterbium	176-2	71569	70932	72454	71652	1.07	cps
Yttrium	89-1	57171414	55707754	55764644	56214604	1.47	cps
Yttrium	89-2	4775292	4729315	4776424	4760344	0.56	cps
Zinc	66-2	348155	350562	348654	349124	0.36	cps
Zirconium	90-1	304514	309968	314506	309663	1.62	cps
Zirconium	91-1	67271	70313	69442	69009	2.27	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-07	Instrumnet Name :	P8
Client Sample ID :	MYD5Y0	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:33:43	DataFile Name :	035AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4859573	4839626	4721436	4806878	1.55	cps
Antimony	121-1	16901	16293	17231	16808	2.83	cps
Arsenic	75-2	24628	24575	24678	24627	0.21	cps
Barium	135-1	2185646	2132640	2154665	2157651	1.23	cps
Barium	137-1	3682999	3665308	3653620	3667309	0.40	cps
Beryllium	9-1	7794	7922	7812	7843	0.89	cps
Bismuth	209-1	21178697	28534545	28517345	26076862	16.27	cps
Bismuth	209-2	10961641	11002621	10920404	10961555	0.38	cps
Bromine	81-1	27240	27270	26408	26973	1.81	cps
Cadmium	108-1	1140	1077	1167	1128	4.10	cps
Cadmium	106-1	25354	33431	31559	30115	14.04	cps
Cadmium	111-1	6475	7217	7120	6937	5.81	cps
Calcium	43-1	7377799	7253788	7257895	7296494	0.97	cps
Calcium	44-1	119685588	117869445	115811938	117788990	1.65	cps
Carbon	12-1	6113607	6280778	6400159	6264848	2.30	cps
Carbon	12-2	57850	57766	57512	57709	0.31	cps
Chlorine	35-1	272049976	279771529	279902703	277241403	1.62	cps
Chlorine	35-2	1475259	1447171	1443210	1455213	1.20	cps
Chromium	52-2	263723	260429	259436	261196	0.86	cps
Cobalt	59-2	323877	319732	319981	321197	0.72	cps
Copper	63-2	753052	754082	759579	755571	0.46	cps
Dysprosium	156-1	294315	297369	292824	294836	0.79	cps
Dysprosium	156-2	98805	97680	96951	97812	0.95	cps
Erbium	164-1	221188	220755	219074	220339	0.51	cps
Erbium	164-2	72868	72248	73056	72724	0.58	cps
Gadolinium	160-1	242240	243154	243268	242887	0.23	cps
Gadolinium	160-2	94217	94633	94216	94355	0.25	cps
Holmium	165-1	36683391	48639854	47226568	44183271	14.79	cps
Holmium	165-2	16398263	16228730	15965750	16197581	1.35	cps
Indium	115-1	26491474	36821615	35260608	32857899	16.95	cps
Indium	115-2	4274522	4300668	4221667	4265619	0.94	cps
Iron	54-2	16625259	16648761	16547115	16607045	0.32	cps
Iron	56-2	306723762	308943915	302405115	306024264	1.09	cps
Iron	57-2	7624076	7630529	7740247	7664951	0.85	cps
Krypton	83-1	580	583	630	598	4.68	cps
Lead	206-1	1159230	1169185	1156320	1161579	0.58	cps

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-07	Instrumnet Name :	P8
Client Sample ID :	MYD5Y0	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:33:43	DataFile Name :	035AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1008574	1013566	1017825	1013321	0.46	cps
Lead	208-1	4699962	4693258	4730287	4707836	0.42	cps
Lithium	6-1	11868221	15516175	14763047	14049148	13.71	cps
Magnesium	24-2	8113241	8206199	8016090	8111843	1.17	cps
Manganese	55-2	5053043	5109698	4824815	4995852	3.02	cps
Molybdenum	94-1	143367	143396	144697	143820	0.53	cps
Molybdenum	95-1	10684	11038	11135	10952	2.16	cps
Molybdenum	96-1	37681	37721	37394	37599	0.48	cps
Molybdenum	97-1	6805	6878	6695	6793	1.36	cps
Molybdenum	98-1	17788	17468	17438	17565	1.11	cps
Neodymium	150-1	418991	424372	418677	420680	0.76	cps
Neodymium	150-2	106452	106943	105568	106321	0.65	cps
Nickel	60-2	130912	130835	131016	130921	0.07	cps
Phosphorus	31-2	21132	21586	21216	21311	1.13	cps
Potassium	39-2	1593742	1589164	1604752	1595886	0.50	cps
Rhodium	103-1	24424945	32951303	31679884	29685377	15.50	cps
Rhodium	103-2	11923786	12042945	11944509	11970413	0.53	cps
Scandium	45-1	18594364	24712195	23462092	22256217	14.52	cps
Scandium	45-2	585388	588516	577861	583922	0.94	cps
Selenium	82-1	497	510	387	464	14.57	cps
Selenium	77-2	477	450	440	456	4.16	cps
Selenium	78-2	397	377	367	380	4.02	cps
Silicon	28-1	144427048	143206865	145307628	144313847	0.73	cps
Silver	107-1	8289	8106	8029	8141	1.64	cps
Silver	109-1	7335	7576	7439	7450	1.62	cps
Sodium	23-2	311486	312586	319054	314375	1.30	cps
Strontium	86-1	873894	876617	876594	875701	0.18	cps
Strontium	88-1	7941630	7840603	7981096	7921110	0.91	cps
Sulfur	34-1	707226	712582	713741	711183	0.49	cps
Terbium	159-1	37103379	50097936	47494789	44898702	15.31	cps
Terbium	159-2	15773949	15724641	15486935	15661841	0.98	cps
Thallium	203-1	7966	8043	7996	8001	0.48	cps
Thallium	205-1	19378	19825	19471	19558	1.21	cps
Tin	118-1	134998	135337	140818	137051	2.38	cps
Titanium	47-1	3289891	3326620	3264345	3293619	0.95	cps
Uranium	238-1	74996	74795	74962	74918	0.14	cps

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Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-07	Instrumnet Name :	P8
Client Sample ID :	MYD5Y0	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:33:43	DataFile Name :	035AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	508517	508573	506003	507698	0.29	cps
Ytterbium	172-1	68596	68951	68811	68786	0.26	cps
Ytterbium	172-2	27305	27589	27221	27372	0.70	cps
Ytterbium	176-1	51212	53776	53849	52946	2.84	cps
Ytterbium	176-2	71958	72467	72769	72398	0.57	cps
Yttrium	89-1	43039851	57370089	56517901	52309280	15.37	cps
Yttrium	89-2	4646733	4654074	4668406	4656404	0.24	cps
Zinc	66-2	182107	183336	182472	182638	0.35	cps
Zirconium	90-1	377337	378196	381811	379115	0.63	cps
Zirconium	91-1	84139	85319	83582	84347	1.05	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-08	Instrumnet Name :	P8
Client Sample ID :	MYD5Y1	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:36:49	DataFile Name :	036AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6014480	6018582	5983893	6005652	0.32	cps
Antimony	121-1	22909	23270	23484	23221	1.25	cps
Arsenic	75-2	38372	38178	37764	38105	0.82	cps
Barium	135-1	2640827	2677667	2691363	2669953	0.98	cps
Barium	137-1	4490383	4635042	4532552	4552659	1.63	cps
Beryllium	9-1	9576	9720	9737	9677	0.91	cps
Bismuth	209-1	28060744	27983738	27635650	27893377	0.81	cps
Bismuth	209-2	10975419	10739493	10904261	10873058	1.11	cps
Bromine	81-1	34619	35141	35876	35212	1.79	cps
Cadmium	108-1	1663	1620	1593	1626	2.17	cps
Cadmium	106-1	32899	32034	32692	32542	1.39	cps
Cadmium	111-1	13237	13527	13255	13340	1.22	cps
Calcium	43-1	6231292	6196091	6280921	6236101	0.68	cps
Calcium	44-1	99956209	100560615	101931588	100816137	1.00	cps
Carbon	12-1	25965910	26927999	27602828	26832246	3.07	cps
Carbon	12-2	246140	243544	244375	244687	0.54	cps
Chlorine	35-1	258352783	266182009	269386269	264640354	2.14	cps
Chlorine	35-2	1417820	1403278	1375407	1398835	1.54	cps
Chromium	52-2	305398	302303	304090	303930	0.51	cps
Cobalt	59-2	360852	362930	360854	361546	0.33	cps
Copper	63-2	1237645	1228759	1226843	1231082	0.47	cps
Dysprosium	156-1	294947	296823	295171	295647	0.35	cps
Dysprosium	156-2	98123	98264	98395	98261	0.14	cps
Erbium	164-1	215182	217651	218692	217175	0.83	cps
Erbium	164-2	72328	72278	71889	72165	0.33	cps
Gadolinium	160-1	242804	242988	242843	242878	0.04	cps
Gadolinium	160-2	95204	95721	93122	94682	1.45	cps
Holmium	165-1	46802621	47511649	47381229	47231833	0.80	cps
Holmium	165-2	15965806	16157116	16247239	16123387	0.89	cps
Indium	115-1	34960317	35493071	34816125	35089838	1.02	cps
Indium	115-2	4169578	4143395	4194064	4169012	0.61	cps
Iron	54-2	16283586	16321953	16423853	16343130	0.44	cps
Iron	56-2	300459569	300275982	298314262	299683271	0.40	cps
Iron	57-2	7538979	7557936	7541924	7546279	0.14	cps
Krypton	83-1	623	587	513	574	9.75	cps
Lead	206-1	3073552	3063499	3058621	3065224	0.25	cps

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-08	Instrumnet Name :	P8
Client Sample ID :	MYD5Y1	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:36:49	DataFile Name :	036AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	2783337	2845232	2806290	2811619	1.11	cps
Lead	208-1	12395223	12496426	12536802	12476150	0.58	cps
Lithium	6-1	14862988	14909563	15172601	14981718	1.11	cps
Magnesium	24-2	10027313	9985168	9972856	9995112	0.29	cps
Manganese	55-2	5568636	5514288	5518111	5533678	0.55	cps
Molybdenum	94-1	146388	146788	149734	147637	1.24	cps
Molybdenum	95-1	9343	9794	9890	9676	3.02	cps
Molybdenum	96-1	36936	37571	36665	37057	1.25	cps
Molybdenum	97-1	6041	5651	6568	6087	7.56	cps
Molybdenum	98-1	15345	15462	15599	15469	0.82	cps
Neodymium	150-1	421160	426708	427713	425194	0.83	cps
Neodymium	150-2	109758	109305	108111	109058	0.78	cps
Nickel	60-2	152126	150741	152419	151762	0.59	cps
Phosphorus	31-2	25496	25486	25262	25415	0.52	cps
Potassium	39-2	3719273	3744229	3729028	3730843	0.34	cps
Rhodium	103-1	31955223	31493023	31619247	31689164	0.75	cps
Rhodium	103-2	11823477	11772981	11959596	11852018	0.81	cps
Scandium	45-1	23520926	23761480	23322012	23534806	0.94	cps
Scandium	45-2	579365	578997	582908	580423	0.37	cps
Selenium	82-1	683	730	830	748	10.02	cps
Selenium	77-2	423	487	573	494	15.23	cps
Selenium	78-2	433	353	367	384	11.15	cps
Silicon	28-1	154116791	153679194	154049874	153948620	0.15	cps
Silver	107-1	24368	24518	24722	24536	0.72	cps
Silver	109-1	23073	23694	23413	23393	1.33	cps
Sodium	23-2	207114	205942	206287	206448	0.29	cps
Strontium	86-1	1079770	1087144	1092346	1086420	0.58	cps
Strontium	88-1	9988819	9860908	9993475	9947734	0.76	cps
Sulfur	34-1	954801	961795	951099	955898	0.57	cps
Terbium	159-1	47499924	47641008	48036638	47725857	0.58	cps
Terbium	159-2	15660752	15636573	15693052	15663459	0.18	cps
Thallium	203-1	9437	9133	9370	9313	1.71	cps
Thallium	205-1	21925	22303	22082	22103	0.86	cps
Tin	118-1	75161	76736	75463	75787	1.10	cps
Titanium	47-1	2130878	2141097	2159385	2143787	0.67	cps
Uranium	238-1	69770	69884	71972	70542	1.76	cps

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LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-08	Instrumnet Name :	P8
Client Sample ID :	MYD5Y1	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:36:49	DataFile Name :	036AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	469734	466819	466523	467692	0.38	cps
Ytterbium	172-1	65718	65514	66342	65858	0.65	cps
Ytterbium	172-2	26760	26837	27205	26934	0.88	cps
Ytterbium	176-1	51968	53351	52527	52615	1.32	cps
Ytterbium	176-2	71063	72250	71961	71758	0.86	cps
Yttrium	89-1	55129564	55464324	55607299	55400396	0.44	cps
Yttrium	89-2	4627023	4624576	4641938	4631179	0.20	cps
Zinc	66-2	389295	384959	384427	386227	0.69	cps
Zirconium	90-1	383247	385676	388662	385862	0.70	cps
Zirconium	91-1	85654	86862	87506	86674	1.08	cps

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On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-09	Instrumnet Name :	P8
Client Sample ID :	MYD5Y2	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:39:54	DataFile Name :	037AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5724755	5617285	5681834	5674624	0.95	cps
Antimony	121-1	18239	18346	18619	18401	1.07	cps
Arsenic	75-2	25183	24939	24739	24953	0.89	cps
Barium	135-1	2664652	2652408	2637296	2651452	0.52	cps
Barium	137-1	4478660	4610477	4545821	4544986	1.45	cps
Beryllium	9-1	9312	9200	9483	9332	1.53	cps
Bismuth	209-1	27180494	27371680	25478375	26676849	3.91	cps
Bismuth	209-2	10982219	10722660	10762398	10822426	1.29	cps
Bromine	81-1	30510	31282	30964	30919	1.25	cps
Cadmium	108-1	1243	1287	1213	1248	2.95	cps
Cadmium	106-1	31720	31900	29298	30973	4.69	cps
Cadmium	111-1	9554	9845	9583	9660	1.66	cps
Calcium	43-1	6152538	6242466	6460442	6285149	2.52	cps
Calcium	44-1	101191102	100551302	102138862	101293755	0.79	cps
Carbon	12-1	11260019	11586506	11752826	11533117	2.17	cps
Carbon	12-2	105444	103534	104441	104473	0.91	cps
Chlorine	35-1	254459196	266707883	272705009	264624029	3.51	cps
Chlorine	35-2	1387079	1371620	1385305	1381335	0.61	cps
Chromium	52-2	258140	259867	259112	259040	0.33	cps
Cobalt	59-2	339813	337489	341211	339504	0.55	cps
Copper	63-2	745129	739122	743022	742424	0.41	cps
Dysprosium	156-1	292374	296017	303252	297214	1.86	cps
Dysprosium	156-2	97196	96300	96206	96568	0.57	cps
Erbium	164-1	214782	214610	216252	215214	0.42	cps
Erbium	164-2	70790	71032	70214	70678	0.59	cps
Gadolinium	160-1	234966	238571	239640	237726	1.03	cps
Gadolinium	160-2	92320	92068	91918	92102	0.22	cps
Holmium	165-1	46513509	46399598	43180761	45364623	4.17	cps
Holmium	165-2	15973749	15811346	15751978	15845691	0.72	cps
Indium	115-1	34385905	34636986	31811256	33611382	4.65	cps
Indium	115-2	4214571	4123641	4055850	4131354	1.93	cps
Iron	54-2	15741172	15638005	15679731	15686303	0.33	cps
Iron	56-2	289335656	286565529	285103316	287001500	0.75	cps
Iron	57-2	7324160	7264795	7377362	7322105	0.77	cps
Krypton	83-1	627	623	657	636	2.89	cps
Lead	206-1	2902970	2908124	2966178	2925757	1.20	cps

Reviewed By:mohan
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Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-09	Instrumnet Name :	P8
Client Sample ID :	MYD5Y2	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:39:54	DataFile Name :	037AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	2642721	2694229	2689212	2675387	1.06	cps
Lead	208-1	11746786	11683495	11984928	11805070	1.35	cps
Lithium	6-1	14519248	14880422	13815543	14405071	3.76	cps
Magnesium	24-2	9130386	8978460	9118215	9075687	0.93	cps
Manganese	55-2	5139289	5077547	4986041	5067626	1.52	cps
Molybdenum	94-1	143298	134849	136366	138171	3.26	cps
Molybdenum	95-1	9800	9423	9744	9656	2.10	cps
Molybdenum	96-1	34346	35007	35218	34857	1.31	cps
Molybdenum	97-1	6071	5915	5915	5967	1.52	cps
Molybdenum	98-1	15208	14661	14865	14911	1.85	cps
Neodymium	150-1	423491	419600	424978	422690	0.66	cps
Neodymium	150-2	107782	106784	107987	107518	0.60	cps
Nickel	60-2	147158	147007	144903	146356	0.86	cps
Phosphorus	31-2	16977	16716	16770	16821	0.82	cps
Potassium	39-2	2212380	2205320	2213216	2210305	0.20	cps
Rhodium	103-1	30733245	31140525	29028608	30300793	3.70	cps
Rhodium	103-2	11880204	11800951	11598181	11759779	1.24	cps
Scandium	45-1	22818040	23390995	21464757	22557931	4.38	cps
Scandium	45-2	570283	571747	567227	569752	0.40	cps
Selenium	82-1	447	440	467	451	3.08	cps
Selenium	77-2	423	417	400	413	2.91	cps
Selenium	78-2	363	363	343	357	3.24	cps
Silicon	28-1	129698958	130186558	130043398	129976305	0.19	cps
Silver	107-1	14021	14091	14297	14136	1.02	cps
Silver	109-1	13890	13467	14044	13800	2.17	cps
Sodium	23-2	185010	184558	185904	185157	0.37	cps
Strontium	86-1	996672	999764	1005763	1000733	0.46	cps
Strontium	88-1	9090574	8949063	9040244	9026627	0.79	cps
Sulfur	34-1	736602	736132	737090	736608	0.07	cps
Terbium	159-1	46854966	47337198	43575436	45922533	4.46	cps
Terbium	159-2	15373867	15259321	15298938	15310709	0.38	cps
Thallium	203-1	8119	8353	8159	8210	1.52	cps
Thallium	205-1	19685	19652	20079	19805	1.20	cps
Tin	118-1	71753	72246	72299	72099	0.42	cps
Titanium	47-1	2298594	2280920	2276565	2285359	0.51	cps
Uranium	238-1	70574	69991	71848	70804	1.34	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-09	Instrumnet Name :	P8
Client Sample ID :	MYD5Y2	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:39:54	DataFile Name :	037AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	463021	459209	455145	459125	0.86	cps
Ytterbium	172-1	66171	66871	68087	67043	1.45	cps
Ytterbium	172-2	26483	26072	26991	26515	1.74	cps
Ytterbium	176-1	52353	54191	52166	52903	2.11	cps
Ytterbium	176-2	71037	70976	72762	71592	1.42	cps
Yttrium	89-1	54274764	54464341	50438163	53059089	4.28	cps
Yttrium	89-2	4582694	4562036	4610976	4585235	0.54	cps
Zinc	66-2	316549	315415	314946	315637	0.26	cps
Zirconium	90-1	352580	356308	356889	355259	0.66	cps
Zirconium	91-1	78803	78848	78295	78649	0.39	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-10	Instrumnet Name :	P8
Client Sample ID :	MYD5Y3	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:42:58	DataFile Name :	038AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8438557	8135327	8144312	8239398	2.09	cps
Antimony	121-1	9003	9280	9030	9104	1.68	cps
Arsenic	75-2	17094	16740	16733	16856	1.22	cps
Barium	135-1	4365483	4333215	4353741	4350813	0.38	cps
Barium	137-1	7333955	7430619	7381789	7382121	0.65	cps
Beryllium	9-1	13577	13646	13593	13605	0.26	cps
Bismuth	209-1	27040653	27628672	27391263	27353529	1.08	cps
Bismuth	209-2	10809212	10707127	10817157	10777832	0.57	cps
Bromine	81-1	36748	38125	38219	37697	2.18	cps
Cadmium	108-1	1177	1150	1113	1147	2.77	cps
Cadmium	106-1	30915	31052	31008	30991	0.23	cps
Cadmium	111-1	5418	5604	5495	5506	1.69	cps
Calcium	43-1	1659594	1642398	1680224	1660739	1.14	cps
Calcium	44-1	27060575	26772542	26796635	26876584	0.59	cps
Carbon	12-1	6317012	6529733	6584757	6477167	2.18	cps
Carbon	12-2	59466	59911	59510	59629	0.41	cps
Chlorine	35-1	256136003	265411916	270179069	263908996	2.71	cps
Chlorine	35-2	1398228	1403444	1388385	1396686	0.55	cps
Chromium	52-2	354113	350330	347651	350698	0.93	cps
Cobalt	59-2	394802	389118	388766	390895	0.87	cps
Copper	63-2	742596	751464	745667	746576	0.60	cps
Dysprosium	156-1	419239	418368	419985	419197	0.19	cps
Dysprosium	156-2	143218	141496	139661	141458	1.26	cps
Erbium	164-1	303384	303083	309498	305322	1.19	cps
Erbium	164-2	101836	100681	101661	101392	0.61	cps
Gadolinium	160-1	348610	354010	352462	351694	0.79	cps
Gadolinium	160-2	136918	135763	136406	136362	0.42	cps
Holmium	165-1	45656981	45247329	46228296	45710869	1.08	cps
Holmium	165-2	15570329	15614180	15756725	15647078	0.62	cps
Indium	115-1	33296269	34307497	34705874	34103213	2.13	cps
Indium	115-2	4117191	4044658	4052208	4071352	0.98	cps
Iron	54-2	19760838	19736210	19277361	19591469	1.39	cps
Iron	56-2	361874128	358124581	359668688	359889132	0.52	cps
Iron	57-2	9072738	9171868	8927841	9057482	1.35	cps
Krypton	83-1	707	823	707	746	9.04	cps
Lead	206-1	1145094	1143458	1157705	1148752	0.68	cps

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Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-10	Instrumnet Name :	P8
Client Sample ID :	MYD5Y3	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:42:58	DataFile Name :	038AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	972720	982094	978932	977915	0.49	cps
Lead	208-1	4559090	4642456	4658157	4619901	1.15	cps
Lithium	6-1	14339271	14439599	14594390	14457753	0.89	cps
Magnesium	24-2	9629726	9384026	9636824	9550192	1.51	cps
Manganese	55-2	6506529	6430332	6404454	6447105	0.82	cps
Molybdenum	94-1	148594	151711	151342	150549	1.13	cps
Molybdenum	95-1	10197	10331	10287	10272	0.66	cps
Molybdenum	96-1	39055	38978	38530	38854	0.73	cps
Molybdenum	97-1	6412	6321	6308	6347	0.89	cps
Molybdenum	98-1	15609	16697	16573	16293	3.66	cps
Neodymium	150-1	625201	637079	638206	633495	1.14	cps
Neodymium	150-2	161034	161092	160541	160889	0.19	cps
Nickel	60-2	153985	155704	153410	154366	0.77	cps
Phosphorus	31-2	16232	16309	16596	16379	1.17	cps
Potassium	39-2	2035900	2021981	2109270	2055717	2.28	cps
Rhodium	103-1	30482276	30599880	31149582	30743913	1.16	cps
Rhodium	103-2	11615019	11582796	11642061	11613292	0.26	cps
Scandium	45-1	22771290	22727629	23052812	22850577	0.77	cps
Scandium	45-2	567710	560465	561462	563212	0.70	cps
Selenium	82-1	607	480	493	527	13.22	cps
Selenium	77-2	640	757	640	679	9.92	cps
Selenium	78-2	490	520	487	499	3.68	cps
Silicon	28-1	135789145	136556561	137523551	136623086	0.64	cps
Silver	107-1	6765	6802	6538	6702	2.13	cps
Silver	109-1	5748	5818	5625	5730	1.71	cps
Sodium	23-2	175069	171848	172779	173232	0.96	cps
Strontium	86-1	958596	963367	964614	962192	0.33	cps
Strontium	88-1	8655961	8682344	8706975	8681760	0.29	cps
Sulfur	34-1	626906	619072	620276	622085	0.68	cps
Terbium	159-1	46711429	46484174	46441348	46545650	0.31	cps
Terbium	159-2	15327935	15217294	15273974	15273068	0.36	cps
Thallium	203-1	9333	9424	9330	9362	0.57	cps
Thallium	205-1	22623	22753	23468	22948	1.98	cps
Tin	118-1	70078	70192	71291	70520	0.95	cps
Titanium	47-1	2025229	1980920	2009371	2005174	1.12	cps
Uranium	238-1	99052	100143	100762	99986	0.87	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-10	Instrumnet Name :	P8
Client Sample ID :	MYD5Y3	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:42:58	DataFile Name :	038AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	583213	580639	577278	580377	0.51	cps
Ytterbium	172-1	90235	90614	89956	90268	0.37	cps
Ytterbium	172-2	36330	35765	35641	35912	1.02	cps
Ytterbium	176-1	67307	68121	67528	67652	0.62	cps
Ytterbium	176-2	76963	78206	78102	77757	0.89	cps
Yttrium	89-1	53821348	54630508	54992241	54481365	1.10	cps
Yttrium	89-2	4595811	4705927	4572373	4624704	1.54	cps
Zinc	66-2	157406	157791	157346	157514	0.15	cps
Zirconium	90-1	393941	398526	400577	397682	0.85	cps
Zirconium	91-1	88072	88904	89804	88927	0.97	cps

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On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-11	Instrumnet Name :	P8
Client Sample ID :	MYD5Y3D	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:46:07	DataFile Name :	039AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8284682	8127189	8084726	8165533	1.29	cps
Antimony	121-1	9023	9217	8873	9038	1.91	cps
Arsenic	75-2	16209	16807	17181	16732	2.93	cps
Barium	135-1	4268445	4202922	4288649	4253339	1.05	cps
Barium	137-1	7167714	7198994	7299016	7221908	0.95	cps
Beryllium	9-1	13271	13429	13491	13397	0.85	cps
Bismuth	209-1	27000567	27253161	27373380	27209036	0.70	cps
Bismuth	209-2	10631199	10692659	10852637	10725498	1.07	cps
Bromine	81-1	37139	38376	38533	38016	2.01	cps
Cadmium	108-1	930	1057	907	964	8.37	cps
Cadmium	106-1	31092	31138	31533	31254	0.78	cps
Cadmium	111-1	5539	5485	5682	5568	1.84	cps
Calcium	43-1	1638312	1697429	1661339	1665693	1.79	cps
Calcium	44-1	26714535	27066630	27684400	27155188	1.81	cps
Carbon	12-1	6231196	6375108	6529964	6378756	2.34	cps
Carbon	12-2	58917	58044	58084	58348	0.85	cps
Chlorine	35-1	258348803	267156603	272558996	266021467	2.70	cps
Chlorine	35-2	1374994	1364735	1387585	1375771	0.83	cps
Chromium	52-2	382435	378253	375752	378813	0.89	cps
Cobalt	59-2	392219	386776	386025	388340	0.87	cps
Copper	63-2	750816	746588	747998	748468	0.29	cps
Dysprosium	156-1	413864	420426	425056	419782	1.34	cps
Dysprosium	156-2	142238	142453	138859	141183	1.43	cps
Erbium	164-1	302551	309779	309811	307380	1.36	cps
Erbium	164-2	101987	101651	101242	101626	0.37	cps
Gadolinium	160-1	348579	352056	354814	351816	0.89	cps
Gadolinium	160-2	137662	137517	136501	137227	0.46	cps
Holmium	165-1	46681319	47060943	45833428	46525230	1.35	cps
Holmium	165-2	15803902	15474516	15519716	15599378	1.14	cps
Indium	115-1	33914925	34102640	34441872	34153145	0.78	cps
Indium	115-2	4053636	3997791	4029043	4026823	0.70	cps
Iron	54-2	19727304	19292257	19489496	19503019	1.12	cps
Iron	56-2	364030208	358200981	356427128	359552772	1.11	cps
Iron	57-2	8950725	8883023	8881527	8905092	0.44	cps
Krypton	83-1	687	753	690	710	5.29	cps
Lead	206-1	1142104	1169471	1176651	1162742	1.57	cps

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-11	Instrumnet Name :	P8
Client Sample ID :	MYD5Y3D	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:46:07	DataFile Name :	039AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	975157	993441	1001103	989900	1.35	cps
Lead	208-1	4591350	4621006	4675407	4629254	0.92	cps
Lithium	6-1	14366805	14295502	14781263	14481190	1.81	cps
Magnesium	24-2	9753219	9402136	9429319	9528225	2.05	cps
Manganese	55-2	6343581	6382746	6352476	6359601	0.32	cps
Molybdenum	94-1	147590	151410	152044	150348	1.60	cps
Molybdenum	95-1	11068	10914	10814	10932	1.17	cps
Molybdenum	96-1	38654	39329	39857	39280	1.54	cps
Molybdenum	97-1	6655	6808	6855	6773	1.55	cps
Molybdenum	98-1	17171	17625	17905	17567	2.11	cps
Neodymium	150-1	618559	639125	643981	633888	2.13	cps
Neodymium	150-2	163099	162805	161358	162421	0.57	cps
Nickel	60-2	161251	161002	160258	160837	0.32	cps
Phosphorus	31-2	16406	16526	16303	16412	0.68	cps
Potassium	39-2	2073032	2019935	1998884	2030617	1.88	cps
Rhodium	103-1	30539960	30748280	30663090	30650443	0.34	cps
Rhodium	103-2	11480230	11380657	11418970	11426619	0.44	cps
Scandium	45-1	22947215	22692596	22938556	22859456	0.63	cps
Scandium	45-2	559297	556318	559195	558270	0.30	cps
Selenium	82-1	560	557	593	570	3.56	cps
Selenium	77-2	607	647	713	656	8.22	cps
Selenium	78-2	570	560	517	549	5.17	cps
Silicon	28-1	135930395	136323478	138084378	136779417	0.84	cps
Silver	107-1	6605	6598	6658	6621	0.50	cps
Silver	109-1	5738	5628	5938	5768	2.73	cps
Sodium	23-2	172301	170951	171646	171633	0.39	cps
Strontium	86-1	960169	960591	972922	964561	0.75	cps
Strontium	88-1	8683295	8661134	8683212	8675880	0.15	cps
Sulfur	34-1	609038	602613	610889	607513	0.71	cps
Terbium	159-1	47083673	45735248	46412403	46410441	1.45	cps
Terbium	159-2	15123843	15118551	15056926	15099773	0.25	cps
Thallium	203-1	9450	9303	9617	9457	1.66	cps
Thallium	205-1	22700	23041	23214	22985	1.14	cps
Tin	118-1	69602	70292	71267	70387	1.19	cps
Titanium	47-1	1953112	1992912	2031218	1992414	1.96	cps
Uranium	238-1	97910	99845	101134	99630	1.63	cps

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On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-11	Instrumnet Name :	P8
Client Sample ID :	MYD5Y3D	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:46:07	DataFile Name :	039AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	582538	575354	576325	578072	0.67	cps
Ytterbium	172-1	90161	89648	91872	90560	1.29	cps
Ytterbium	172-2	36273	35795	35758	35942	0.80	cps
Ytterbium	176-1	65987	67897	68711	67531	2.07	cps
Ytterbium	176-2	77891	77144	77606	77547	0.49	cps
Yttrium	89-1	54958709	53908648	54802803	54556720	1.04	cps
Yttrium	89-2	4589253	4563684	4502708	4551882	0.98	cps
Zinc	66-2	156894	156581	156574	156683	0.12	cps
Zirconium	90-1	392027	396357	397050	395145	0.69	cps
Zirconium	91-1	87066	88012	87693	87590	0.55	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-10LX5	Instrumnet Name :	P8
Client Sample ID :	MYD5Y3L	Dilution Factor :	5
Date & Time Acquired :	2024-10-08 12:49:13	DataFile Name :	040AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1574939	1562017	1552466	1563141	0.72	cps
Antimony	121-1	1497	1477	1453	1476	1.47	cps
Arsenic	75-2	3110	3197	3140	3149	1.40	cps
Barium	135-1	769983	776929	772074	772995	0.46	cps
Barium	137-1	1347958	1354793	1338842	1347198	0.59	cps
Beryllium	9-1	2749	2794	2707	2750	1.57	cps
Bismuth	209-1	27950337	28266315	27586807	27934487	1.22	cps
Bismuth	209-2	11254059	11247081	11175805	11225648	0.39	cps
Bromine	81-1	25567	26101	25814	25827	1.04	cps
Cadmium	108-1	233	250	190	224	13.80	cps
Cadmium	106-1	27611	25844	26385	26614	3.40	cps
Cadmium	111-1	3191	3003	3146	3113	3.16	cps
Calcium	43-1	298404	296542	302175	299040	0.96	cps
Calcium	44-1	5096331	5077460	5044668	5072820	0.52	cps
Carbon	12-1	4195274	4148426	4128472	4157391	0.82	cps
Carbon	12-2	36809	36315	36816	36647	0.78	cps
Chlorine	35-1	56427817	56643367	56611657	56560947	0.21	cps
Chlorine	35-2	268545	265052	263833	265810	0.92	cps
Chromium	52-2	65442	65847	66507	65932	0.82	cps
Cobalt	59-2	73726	72751	72252	72910	1.03	cps
Copper	63-2	155497	154412	154702	154870	0.36	cps
Dysprosium	156-1	79411	78854	78579	78948	0.54	cps
Dysprosium	156-2	27054	26683	27248	26995	1.06	cps
Erbium	164-1	57805	57041	56630	57159	1.04	cps
Erbium	164-2	19107	18783	19551	19147	2.01	cps
Gadolinium	160-1	66424	65125	66133	65894	1.04	cps
Gadolinium	160-2	25962	26346	25895	26068	0.93	cps
Holmium	165-1	45643963	45479716	44918024	45347234	0.84	cps
Holmium	165-2	15784267	15760014	15772002	15772094	0.08	cps
Indium	115-1	34451262	34221852	33941526	34204880	0.75	cps
Indium	115-2	4112100	4191500	4131818	4145139	1.00	cps
Iron	54-2	3662810	3675504	3626044	3654786	0.70	cps
Iron	56-2	67431392	68364837	67904847	67900359	0.69	cps
Iron	57-2	1737542	1717624	1713787	1722984	0.74	cps
Krypton	83-1	310	263	303	292	8.64	cps
Lead	206-1	220375	219685	221033	220364	0.31	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-10LX5	Instrumnet Name :	P8
Client Sample ID :	MYD5Y3L	Dilution Factor :	5
Date & Time Acquired :	2024-10-08 12:49:13	DataFile Name :	040AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	186208	188001	188220	187476	0.59	cps
Lead	208-1	859300	865291	857996	860862	0.45	cps
Lithium	6-1	13839018	13878623	13856139	13857927	0.14	cps
Magnesium	24-2	1790018	1790898	1779772	1786896	0.35	cps
Manganese	55-2	1142218	1147033	1149862	1146371	0.34	cps
Molybdenum	94-1	28803	28576	28506	28628	0.54	cps
Molybdenum	95-1	2140	2120	2077	2112	1.53	cps
Molybdenum	96-1	7559	7475	7572	7535	0.70	cps
Molybdenum	97-1	1217	1310	1293	1273	3.91	cps
Molybdenum	98-1	3217	3080	3164	3154	2.18	cps
Neodymium	150-1	119231	118978	118195	118801	0.45	cps
Neodymium	150-2	30110	30294	30615	30340	0.84	cps
Nickel	60-2	29684	28475	29150	29103	2.08	cps
Phosphorus	31-2	3127	3094	3114	3111	0.54	cps
Potassium	39-2	371617	374499	370953	372356	0.51	cps
Rhodium	103-1	31710714	31523855	31158183	31464251	0.89	cps
Rhodium	103-2	11685328	11606582	11729522	11673811	0.53	cps
Scandium	45-1	22291373	21674211	21637145	21867576	1.68	cps
Scandium	45-2	539219	536613	533981	536604	0.49	cps
Selenium	82-1	143	170	210	174	19.24	cps
Selenium	77-2	117	147	137	133	11.46	cps
Selenium	78-2	73	130	77	93	34.07	cps
Silicon	28-1	26008070	26172390	25974334	26051598	0.41	cps
Silver	107-1	1527	1430	1640	1532	6.86	cps
Silver	109-1	1210	1273	1147	1210	5.23	cps
Sodium	23-2	54953	55458	54116	54842	1.24	cps
Strontium	86-1	178987	181146	181295	180476	0.72	cps
Strontium	88-1	1637695	1642575	1663993	1648088	0.85	cps
Sulfur	34-1	568598	563904	559714	564072	0.79	cps
Terbium	159-1	46020764	45910318	46167451	46032844	0.28	cps
Terbium	159-2	15309358	15403375	15258390	15323708	0.48	cps
Thallium	203-1	2237	1987	2080	2101	6.01	cps
Thallium	205-1	4911	4851	5134	4965	3.01	cps
Tin	118-1	16764	16543	16547	16618	0.76	cps
Titanium	47-1	352946	356161	359293	356133	0.89	cps
Uranium	238-1	18697	18410	18644	18584	0.82	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-10LX5	Instrumnet Name :	P8
Client Sample ID :	MYD5Y3L	Dilution Factor :	5
Date & Time Acquired :	2024-10-08 12:49:13	DataFile Name :	040AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	107073	107886	107446	107468	0.38	cps
Ytterbium	172-1	17228	17699	17488	17472	1.35	cps
Ytterbium	172-2	6975	7055	7135	7055	1.13	cps
Ytterbium	176-1	21584	20633	20770	20996	2.45	cps
Ytterbium	176-2	58927	59942	59892	59587	0.96	cps
Yttrium	89-1	51227438	51044369	50618803	50963536	0.61	cps
Yttrium	89-2	4221718	4281761	4264748	4256076	0.73	cps
Zinc	66-2	30660	30790	30887	30779	0.37	cps
Zirconium	90-1	74742	75580	75288	75203	0.57	cps
Zirconium	91-1	16433	16733	16697	16621	0.99	cps

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-12	Instrumnet Name :	P8
Client Sample ID :	MYD5Y3S	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:52:25	DataFile Name :	041AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8463938	8406504	8514337	8461593	0.64	cps
Antimony	121-1	1485931	1559473	1508899	1518101	2.48	cps
Arsenic	75-2	28893	28375	28452	28573	0.98	cps
Barium	135-1	13139367	13190620	13139492	13156493	0.22	cps
Barium	137-1	22484761	22358556	22565544	22469620	0.46	cps
Beryllium	9-1	210137	213258	213798	212397	0.93	cps
Bismuth	209-1	26493150	26832541	27171230	26832307	1.26	cps
Bismuth	209-2	10638079	10583320	10524935	10582111	0.53	cps
Bromine	81-1	35749	37717	38219	37228	3.51	cps
Cadmium	108-1	14454	14354	14091	14300	1.31	cps
Cadmium	106-1	48023	48421	47963	48136	0.52	cps
Cadmium	111-1	195582	197478	199160	197407	0.91	cps
Calcium	43-1	1676176	1663391	1678715	1672761	0.49	cps
Calcium	44-1	26688145	26904530	26962101	26851592	0.54	cps
Carbon	12-1	6157332	6360233	6478095	6331887	2.56	cps
Carbon	12-2	59108	58763	59289	59053	0.45	cps
Chlorine	35-1	257805496	266310489	270528583	264881523	2.45	cps
Chlorine	35-2	1410983	1359126	1367570	1379226	2.02	cps
Chromium	52-2	1115319	1112690	1112692	1113567	0.14	cps
Cobalt	59-2	3983585	3902084	3915695	3933788	1.11	cps
Copper	63-2	2129582	2091419	2106287	2109096	0.91	cps
Dysprosium	156-1	417594	424923	425388	422635	1.03	cps
Dysprosium	156-2	143255	144579	143726	143853	0.47	cps
Erbium	164-1	305252	310915	311627	309265	1.13	cps
Erbium	164-2	104685	103898	102320	103634	1.16	cps
Gadolinium	160-1	358371	356953	358720	358014	0.26	cps
Gadolinium	160-2	139322	137636	139458	138805	0.73	cps
Holmium	165-1	44472614	46238569	45647494	45452893	1.98	cps
Holmium	165-2	15476862	15456580	15235014	15389485	0.87	cps
Indium	115-1	32725860	33122744	34069823	33306142	2.07	cps
Indium	115-2	4024735	3949835	3971073	3981881	0.97	cps
Iron	54-2	19935747	19914258	19928742	19926249	0.06	cps
Iron	56-2	367072848	362569008	360235181	363292346	0.96	cps
Iron	57-2	9162630	9167088	9093513	9141077	0.45	cps
Krypton	83-1	633	797	780	737	12.20	cps
Lead	206-1	1451455	1478623	1464895	1464991	0.93	cps

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LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-12	Instrumnet Name :	P8
Client Sample ID :	MYD5Y3S	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:52:25	DataFile Name :	041AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1242896	1251022	1262756	1252225	0.80	cps
Lead	208-1	5828823	5863920	5925619	5872787	0.83	cps
Lithium	6-1	13719639	14161432	14227893	14036321	1.97	cps
Magnesium	24-2	9494533	9471809	9449647	9471996	0.24	cps
Manganese	55-2	7385778	7379427	7266213	7343806	0.92	cps
Molybdenum	94-1	150800	152897	155282	152993	1.47	cps
Molybdenum	95-1	10954	11101	10938	10998	0.82	cps
Molybdenum	96-1	39596	39820	40104	39840	0.64	cps
Molybdenum	97-1	6548	7152	6455	6718	5.63	cps
Molybdenum	98-1	17364	17648	17651	17555	0.94	cps
Neodymium	150-1	642570	645994	654351	647638	0.94	cps
Neodymium	150-2	163986	163970	161332	163096	0.94	cps
Nickel	60-2	1060440	1056988	1055535	1057654	0.24	cps
Phosphorus	31-2	16960	16586	16500	16682	1.47	cps
Potassium	39-2	2046188	2033681	2002630	2027500	1.11	cps
Rhodium	103-1	29448171	30152875	29945020	29848688	1.21	cps
Rhodium	103-2	11504541	11255196	11397897	11385878	1.10	cps
Scandium	45-1	21985206	22582381	22614789	22394126	1.58	cps
Scandium	45-2	552706	553986	552294	552995	0.16	cps
Selenium	82-1	27131	26784	27455	27123	1.24	cps
Selenium	77-2	1173	1420	1200	1265	10.71	cps
Selenium	78-2	2684	2500	2714	2633	4.39	cps
Silicon	28-1	136398028	136453321	137740621	136863990	0.56	cps
Silver	107-1	1040223	1065871	1061523	1055872	1.30	cps
Silver	109-1	1003212	1014343	1016388	1011314	0.70	cps
Sodium	23-2	166629	167806	165493	166642	0.69	cps
Strontium	86-1	959547	985186	985790	976841	1.53	cps
Strontium	88-1	8667058	8695911	8877606	8746859	1.30	cps
Sulfur	34-1	588544	588340	589350	588745	0.09	cps
Terbium	159-1	45704873	46102816	46042434	45950041	0.47	cps
Terbium	159-2	15132803	15188954	14954314	15092024	0.81	cps
Thallium	203-1	892785	911278	915243	906435	1.32	cps
Thallium	205-1	2224451	2247660	2255712	2242608	0.72	cps
Tin	118-1	71455	71291	72460	71735	0.88	cps
Titanium	47-1	1956742	1999557	2021907	1992735	1.66	cps
Uranium	238-1	99757	102042	102855	101551	1.58	cps

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Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-12	Instrumnet Name :	P8
Client Sample ID :	MYD5Y3S	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:52:25	DataFile Name :	041AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	2072961	2143886	2132134	2116327	1.80	cps
Ytterbium	172-1	91014	92064	92537	91872	0.85	cps
Ytterbium	172-2	36988	35461	35945	36131	2.16	cps
Ytterbium	176-1	68144	68687	67425	68085	0.93	cps
Ytterbium	176-2	77060	75588	78391	77013	1.82	cps
Yttrium	89-1	52893818	53482376	54447224	53607806	1.46	cps
Yttrium	89-2	4592266	4531606	4525714	4549862	0.81	cps
Zinc	66-2	408794	404362	405032	406063	0.59	cps
Zirconium	90-1	395282	400130	406423	400612	1.39	cps
Zirconium	91-1	87381	89015	89830	88742	1.41	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-10MS	Instrumnet Name :	P8
Client Sample ID :	MYD5Y3SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:55:28	DataFile Name :	042AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8838981	8807869	8791070	8812640	0.28	cps
Antimony	121-1	7352152	7384885	7392171	7376403	0.29	cps
Arsenic	75-2	72231	72167	70763	71720	1.16	cps
Barium	135-1	46122166	46740249	46793544	46551987	0.80	cps
Barium	137-1	78748099	80269917	80748530	79922182	1.31	cps
Beryllium	9-1	952800	960927	963922	959216	0.60	cps
Bismuth	209-1	27221245	27001095	26755516	26992619	0.86	cps
Bismuth	209-2	10512458	10638926	10573484	10574956	0.60	cps
Bromine	81-1	36865	37493	37911	37423	1.41	cps
Cadmium	108-1	64852	65756	66513	65707	1.27	cps
Cadmium	106-1	115569	118785	116322	116892	1.44	cps
Cadmium	111-1	921109	931829	939001	930646	0.97	cps
Calcium	43-1	1578371	1622633	1624337	1608447	1.62	cps
Calcium	44-1	25637252	26106142	26262120	26001838	1.25	cps
Carbon	12-1	6025239	6185935	6366651	6192608	2.76	cps
Carbon	12-2	57331	57231	57666	57409	0.40	cps
Chlorine	35-1	249830610	254977690	260190529	254999610	2.03	cps
Chlorine	35-2	1331245	1337697	1307961	1325634	1.18	cps
Chromium	52-2	4186105	4211684	4170548	4189446	0.50	cps
Cobalt	59-2	17378937	17320694	17202405	17300679	0.52	cps
Copper	63-2	7063222	6932558	6914122	6969967	1.17	cps
Dysprosium	156-1	405462	408400	413814	409225	1.04	cps
Dysprosium	156-2	138960	139179	137357	138499	0.72	cps
Erbium	164-1	300263	300755	301170	300730	0.15	cps
Erbium	164-2	99042	98957	98780	98926	0.14	cps
Gadolinium	160-1	342401	345143	347368	344971	0.72	cps
Gadolinium	160-2	134390	135579	133709	134559	0.70	cps
Holmium	165-1	45790764	45795648	45562161	45716191	0.29	cps
Holmium	165-2	15389325	15500007	15325099	15404811	0.57	cps
Indium	115-1	34199059	33781483	33787595	33922712	0.71	cps
Indium	115-2	3967684	3997500	3943735	3969640	0.68	cps
Iron	54-2	20032813	19845622	19646403	19841612	0.97	cps
Iron	56-2	361110848	362788848	359966288	361288661	0.39	cps
Iron	57-2	9146490	9118537	9016961	9093996	0.75	cps
Krypton	83-1	767	827	727	773	6.51	cps
Lead	206-1	2683225	2601957	2631235	2638806	1.56	cps

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-10MS	Instrumnet Name :	P8
Client Sample ID :	MYD5Y3SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:55:28	DataFile Name :	042AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	2271111	2308553	2275610	2285091	0.89	cps
Lead	208-1	10450080	10410567	10439169	10433272	0.20	cps
Lithium	6-1	14277713	14106542	14030378	14138211	0.90	cps
Magnesium	24-2	9115272	9078007	9194542	9129273	0.65	cps
Manganese	55-2	10781073	10760882	10899690	10813882	0.69	cps
Molybdenum	94-1	147283	148004	149365	148217	0.71	cps
Molybdenum	95-1	10911	11268	11121	11100	1.62	cps
Molybdenum	96-1	40124	39954	40058	40045	0.21	cps
Molybdenum	97-1	6752	6842	6758	6784	0.74	cps
Molybdenum	98-1	18309	18422	18222	18318	0.55	cps
Neodymium	150-1	620661	629620	631857	627380	0.94	cps
Neodymium	150-2	158599	157011	155655	157088	0.94	cps
Nickel	60-2	4836522	4778493	4740827	4785281	1.01	cps
Phosphorus	31-2	15622	15632	14931	15395	2.61	cps
Potassium	39-2	1951298	1960945	1965543	1959262	0.37	cps
Rhodium	103-1	30726796	30270424	30370755	30455991	0.79	cps
Rhodium	103-2	11412459	11285494	11229555	11309169	0.83	cps
Scandium	45-1	22839949	22551281	22475733	22622321	0.85	cps
Scandium	45-2	550357	545022	543845	546408	0.64	cps
Selenium	82-1	131022	135401	133790	133404	1.66	cps
Selenium	77-2	3477	3711	3594	3594	3.25	cps
Selenium	78-2	10971	10521	10911	10801	2.26	cps
Silicon	28-1	131320021	130989848	132144765	131484878	0.45	cps
Silver	107-1	5325613	5365294	5378692	5356533	0.52	cps
Silver	109-1	4956109	5023373	5033970	5004484	0.84	cps
Sodium	23-2	159443	159053	159466	159321	0.15	cps
Strontium	86-1	928834	951067	957512	945804	1.59	cps
Strontium	88-1	8418930	8463719	8569836	8484162	0.91	cps
Sulfur	34-1	573237	570030	575098	572788	0.45	cps
Terbium	159-1	46362653	45485948	45932531	45927044	0.95	cps
Terbium	159-2	15027728	15032162	14840790	14966893	0.73	cps
Thallium	203-1	4416520	4475373	4471483	4454459	0.74	cps
Thallium	205-1	10462511	10647498	10657926	10589312	1.04	cps
Tin	118-1	67786	68550	68439	68259	0.60	cps
Titanium	47-1	1881218	1935788	1911805	1909603	1.43	cps
Uranium	238-1	97627	100188	99129	98981	1.30	cps

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Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-10MS	Instrumnet Name :	P8
Client Sample ID :	MYD5Y3SRE	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:55:28	DataFile Name :	042AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	7768238	7741634	7700548	7736807	0.44	cps
Ytterbium	172-1	87322	88926	89097	88448	1.11	cps
Ytterbium	172-2	34806	35294	34816	34972	0.80	cps
Ytterbium	176-1	64728	65445	66644	65605	1.48	cps
Ytterbium	176-2	74844	75263	74405	74837	0.57	cps
Yttrium	89-1	54623443	53814096	54344036	54260525	0.76	cps
Yttrium	89-2	4550333	4570093	4440118	4520181	1.55	cps
Zinc	66-2	1342197	1340481	1344012	1342230	0.13	cps
Zirconium	90-1	381362	386096	388019	385159	0.89	cps
Zirconium	91-1	86339	86973	87881	87064	0.89	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-13	Instrumnet Name :	P8
Client Sample ID :	MYD5Y4	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:58:26	DataFile Name :	043AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3797663	3842077	3839710	3826483	0.65	cps
Antimony	121-1	20045	20525	20656	20409	1.58	cps
Arsenic	75-2	21233	21062	21336	21210	0.65	cps
Barium	135-1	1708351	1702423	1693473	1701416	0.44	cps
Barium	137-1	2869505	2944037	2932775	2915439	1.38	cps
Beryllium	9-1	6494	6634	6401	6510	1.81	cps
Bismuth	209-1	27298095	27269520	28675403	27747673	2.90	cps
Bismuth	209-2	10737167	10657671	10625936	10673591	0.54	cps
Bromine	81-1	26936	27126	27106	27056	0.39	cps
Cadmium	108-1	927	993	963	961	3.47	cps
Cadmium	106-1	29669	29548	30671	29963	2.06	cps
Cadmium	111-1	7519	7357	7650	7509	1.96	cps
Calcium	43-1	5715594	5828193	5744732	5762840	1.01	cps
Calcium	44-1	93435399	94919975	93710895	94022090	0.84	cps
Carbon	12-1	6276020	6460437	6543146	6426534	2.13	cps
Carbon	12-2	59503	58696	59463	59221	0.77	cps
Chlorine	35-1	263487956	276733763	277632203	272617974	2.91	cps
Chlorine	35-2	1416220	1424424	1420427	1420357	0.29	cps
Chromium	52-2	192993	195344	193747	194028	0.62	cps
Cobalt	59-2	259161	257074	255674	257303	0.68	cps
Copper	63-2	606231	612370	605815	608139	0.60	cps
Dysprosium	156-1	244582	249548	243384	245838	1.33	cps
Dysprosium	156-2	82992	83656	84592	83747	0.96	cps
Erbium	164-1	190111	193800	191722	191877	0.96	cps
Erbium	164-2	62941	62961	62657	62853	0.27	cps
Gadolinium	160-1	208784	213547	211493	211275	1.13	cps
Gadolinium	160-2	82601	81916	81541	82019	0.66	cps
Holmium	165-1	46493156	45611808	47644564	46583176	2.19	cps
Holmium	165-2	15560021	15444980	15584774	15529925	0.48	cps
Indium	115-1	33890942	34550575	35559850	34667122	2.42	cps
Indium	115-2	3964617	4009065	3972237	3981973	0.60	cps
Iron	54-2	13302949	13370634	13255834	13309805	0.43	cps
Iron	56-2	245043436	246258756	245484223	245595472	0.25	cps
Iron	57-2	6171535	6144339	6133911	6149928	0.32	cps
Krypton	83-1	563	610	617	597	4.87	cps
Lead	206-1	1446781	1478809	1473625	1466405	1.17	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-13	Instrumnet Name :	P8
Client Sample ID :	MYD5Y4	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:58:26	DataFile Name :	043AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1272564	1306021	1291720	1290101	1.30	cps
Lead	208-1	5991609	6061897	5960744	6004750	0.86	cps
Lithium	6-1	13945794	13880240	14723472	14183169	3.31	cps
Magnesium	24-2	6668801	6686222	6732982	6696002	0.50	cps
Manganese	55-2	3982899	4029063	3985506	3999156	0.65	cps
Molybdenum	94-1	109607	111704	112134	111148	1.22	cps
Molybdenum	95-1	9977	10261	10587	10275	2.97	cps
Molybdenum	96-1	31162	31626	32090	31626	1.47	cps
Molybdenum	97-1	6078	6435	6748	6420	5.22	cps
Molybdenum	98-1	16176	16737	16467	16460	1.70	cps
Neodymium	150-1	362093	372209	370947	368417	1.50	cps
Neodymium	150-2	92926	92372	94144	93147	0.97	cps
Nickel	60-2	108052	108456	107589	108032	0.40	cps
Phosphorus	31-2	16683	17431	17013	17042	2.20	cps
Potassium	39-2	1772352	1761376	1751801	1761843	0.58	cps
Rhodium	103-1	30812878	30437595	32098371	31116281	2.80	cps
Rhodium	103-2	11330406	11345563	11308230	11328066	0.17	cps
Scandium	45-1	22232090	22432351	23291543	22651995	2.48	cps
Scandium	45-2	541172	538009	530595	536592	1.01	cps
Selenium	82-1	270	227	297	264	13.36	cps
Selenium	77-2	370	367	380	372	1.86	cps
Selenium	78-2	267	380	320	322	17.60	cps
Silicon	28-1	125598891	126798328	126348161	126248460	0.48	cps
Silver	107-1	8409	7876	8042	8109	3.37	cps
Silver	109-1	7365	7252	7132	7250	1.61	cps
Sodium	23-2	200879	201835	200646	201120	0.31	cps
Strontium	86-1	600584	614088	612468	609047	1.21	cps
Strontium	88-1	5403006	5548489	5522757	5491417	1.41	cps
Sulfur	34-1	658915	667212	665471	663866	0.66	cps
Terbium	159-1	45933381	45824259	48444349	46733997	3.17	cps
Terbium	159-2	15063495	15204593	15284576	15184222	0.74	cps
Thallium	203-1	7392	6979	6922	7098	3.62	cps
Thallium	205-1	17739	17862	17151	17584	2.16	cps
Tin	118-1	132597	134324	132442	133121	0.78	cps
Titanium	47-1	2588095	2636983	2593735	2606271	1.03	cps
Uranium	238-1	64898	66583	66788	66090	1.57	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-13	Instrumnet Name :	P8
Client Sample ID :	MYD5Y4	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 12:58:26	DataFile Name :	043AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	388187	389154	386915	388085	0.29	cps
Ytterbium	172-1	59312	59640	59690	59547	0.35	cps
Ytterbium	172-2	24219	24099	23845	24054	0.79	cps
Ytterbium	176-1	46772	48295	48502	47856	1.97	cps
Ytterbium	176-2	67049	68875	69143	68356	1.67	cps
Yttrium	89-1	52545788	53143766	55692639	53794064	3.11	cps
Yttrium	89-2	4406076	4298041	4363012	4355710	1.25	cps
Zinc	66-2	179015	179261	178532	178936	0.21	cps
Zirconium	90-1	286969	292130	290613	289904	0.91	cps
Zirconium	91-1	64559	65369	65041	64989	0.63	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-14	Instrumnet Name :	P8
Client Sample ID :	MYD5Y5	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 13:01:32	DataFile Name :	044AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5245295	5195945	5158014	5199752	0.84	cps
Antimony	121-1	10464	11432	10854	10917	4.46	cps
Arsenic	75-2	15285	14998	14978	15087	1.14	cps
Barium	135-1	3508040	3535200	3440223	3494488	1.40	cps
Barium	137-1	5906938	5934310	5774659	5871969	1.45	cps
Beryllium	9-1	7997	8045	7981	8008	0.41	cps
Bismuth	209-1	26782214	26930871	27456464	27056516	1.31	cps
Bismuth	209-2	10641252	10552077	10567728	10587019	0.45	cps
Bromine	81-1	25817	26966	27247	26677	2.84	cps
Cadmium	108-1	963	860	850	891	7.04	cps
Cadmium	106-1	29946	29542	29702	29730	0.68	cps
Cadmium	111-1	4954	4852	4969	4925	1.29	cps
Calcium	43-1	1784770	1827238	1826137	1812715	1.34	cps
Calcium	44-1	29162306	29708220	29853307	29574611	1.23	cps
Carbon	12-1	4757360	4852748	4887612	4832574	1.40	cps
Carbon	12-2	44724	43835	44842	44467	1.24	cps
Chlorine	35-1	256562783	265229849	268264823	263352485	2.31	cps
Chlorine	35-2	1327585	1332228	1341944	1333919	0.55	cps
Chromium	52-2	245888	245091	244031	245003	0.38	cps
Cobalt	59-2	309950	311320	309068	310113	0.37	cps
Copper	63-2	517896	515297	513959	515717	0.39	cps
Dysprosium	156-1	294420	297921	298278	296873	0.72	cps
Dysprosium	156-2	99759	98603	99016	99126	0.59	cps
Erbium	164-1	223195	221495	223898	222863	0.55	cps
Erbium	164-2	72801	72600	72198	72533	0.42	cps
Gadolinium	160-1	248204	252936	251976	251039	1.00	cps
Gadolinium	160-2	98712	98645	97504	98287	0.69	cps
Holmium	165-1	45759968	45602879	45783181	45715343	0.21	cps
Holmium	165-2	15282763	15132662	15246688	15220704	0.51	cps
Indium	115-1	33964652	33694040	33228168	33628953	1.11	cps
Indium	115-2	3948376	3978201	3929011	3951863	0.63	cps
Iron	54-2	14296764	14511577	14475730	14428024	0.80	cps
Iron	56-2	267502089	264784976	266874249	266387105	0.53	cps
Iron	57-2	6727563	6686141	6648195	6687300	0.59	cps
Krypton	83-1	570	620	633	608	5.49	cps
Lead	206-1	554910	560336	563127	559458	0.75	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-14	Instrumnet Name :	P8
Client Sample ID :	MYD5Y5	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 13:01:32	DataFile Name :	044AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	466304	479136	472045	472495	1.36	cps
Lead	208-1	2155705	2177989	2178870	2170855	0.60	cps
Lithium	6-1	13548008	13898113	13993808	13813310	1.70	cps
Magnesium	24-2	8437243	8502099	8262733	8400692	1.47	cps
Manganese	55-2	5349807	5422877	5408879	5393854	0.72	cps
Molybdenum	94-1	126226	128739	127238	127401	0.99	cps
Molybdenum	95-1	6748	6878	7315	6981	4.25	cps
Molybdenum	96-1	30500	30637	30787	30642	0.47	cps
Molybdenum	97-1	4577	4514	4407	4500	1.91	cps
Molybdenum	98-1	11158	11091	10781	11010	1.83	cps
Neodymium	150-1	444046	439531	444594	442724	0.63	cps
Neodymium	150-2	112732	111119	111976	111942	0.72	cps
Nickel	60-2	135996	133492	134976	134821	0.93	cps
Phosphorus	31-2	21683	21463	21586	21577	0.51	cps
Potassium	39-2	1110084	1117453	1116038	1114525	0.35	cps
Rhodium	103-1	30475361	30418967	29986955	30293761	0.88	cps
Rhodium	103-2	11287716	11247302	11233563	11256194	0.25	cps
Scandium	45-1	22027689	22381659	22117258	22175535	0.83	cps
Scandium	45-2	531079	531667	526673	529806	0.52	cps
Selenium	82-1	370	297	263	310	17.60	cps
Selenium	77-2	430	500	453	461	7.73	cps
Selenium	78-2	353	327	370	350	6.25	cps
Silicon	28-1	128616201	130013211	131196891	129942101	0.99	cps
Silver	107-1	3310	3364	3004	3226	6.02	cps
Silver	109-1	2704	2670	2614	2663	1.71	cps
Sodium	23-2	196402	195835	195420	195886	0.25	cps
Strontium	86-1	2121552	2154789	2077057	2117799	1.84	cps
Strontium	88-1	17955447	18097509	18151543	18068167	0.56	cps
Sulfur	34-1	587623	588929	588584	588379	0.12	cps
Terbium	159-1	46308398	46268029	45254888	45943772	1.30	cps
Terbium	159-2	15209995	15131781	14795059	15045612	1.47	cps
Thallium	203-1	7315	7409	7436	7387	0.85	cps
Thallium	205-1	17879	17646	17185	17570	2.01	cps
Tin	118-1	58803	53303	54190	55432	5.33	cps
Titanium	47-1	2074410	2094750	2135038	2101400	1.47	cps
Uranium	238-1	68912	69137	70225	69425	1.01	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-14	Instrumnet Name :	P8
Client Sample ID :	MYD5Y5	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 13:01:32	DataFile Name :	044AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	428890	428388	427778	428352	0.13	cps
Ytterbium	172-1	66807	67012	67029	66949	0.18	cps
Ytterbium	172-2	27061	26360	26670	26697	1.32	cps
Ytterbium	176-1	51497	52922	51788	52069	1.45	cps
Ytterbium	176-2	69140	68711	69042	68964	0.33	cps
Yttrium	89-1	52864704	53388756	52460323	52904594	0.88	cps
Yttrium	89-2	4234236	4347048	4331134	4304139	1.42	cps
Zinc	66-2	122578	121344	121750	121891	0.52	cps
Zirconium	90-1	330523	337171	339257	335650	1.36	cps
Zirconium	91-1	74501	74206	75161	74623	0.66	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-15	Instrumnet Name :	P8
Client Sample ID :	MYD5Y6	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 13:04:41	DataFile Name :	045AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3141853	3165567	3151780	3153067	0.38	cps
Antimony	121-1	16924	16553	16373	16617	1.69	cps
Arsenic	75-2	18215	18629	18128	18324	1.46	cps
Barium	135-1	1397974	1420886	1436762	1418541	1.37	cps
Barium	137-1	2550860	2613278	2622249	2595462	1.50	cps
Beryllium	9-1	5373	5489	5498	5453	1.28	cps
Bismuth	209-1	27445597	26951491	27259513	27218867	0.92	cps
Bismuth	209-2	10473153	10393835	10418493	10428494	0.39	cps
Bromine	81-1	26201	26799	26251	26417	1.26	cps
Cadmium	108-1	903	890	770	854	8.59	cps
Cadmium	106-1	28910	27965	28028	28301	1.87	cps
Cadmium	111-1	6259	6227	6288	6258	0.48	cps
Calcium	43-1	4640130	4659141	4781028	4693433	1.63	cps
Calcium	44-1	75317296	76230859	76251292	75933149	0.70	cps
Carbon	12-1	5711348	5900952	5921856	5844719	1.98	cps
Carbon	12-2	52353	52747	53246	52782	0.85	cps
Chlorine	35-1	248599523	255751016	259713303	254687947	2.21	cps
Chlorine	35-2	1340293	1338897	1323169	1334120	0.71	cps
Chromium	52-2	147367	146777	145963	146702	0.48	cps
Cobalt	59-2	214041	212187	212348	212859	0.48	cps
Copper	63-2	526389	523225	525777	525130	0.32	cps
Dysprosium	156-1	213638	217002	218249	216297	1.10	cps
Dysprosium	156-2	72368	71631	72941	72313	0.91	cps
Erbium	164-1	162884	167010	167543	165812	1.54	cps
Erbium	164-2	53661	55030	54849	54513	1.36	cps
Gadolinium	160-1	181552	183156	183308	182672	0.53	cps
Gadolinium	160-2	71199	71571	70508	71093	0.76	cps
Holmium	165-1	45037261	44834973	45197929	45023388	0.40	cps
Holmium	165-2	15069785	15068824	15039214	15059275	0.12	cps
Indium	115-1	33512131	33600382	33345788	33486100	0.39	cps
Indium	115-2	3835331	3830633	3821103	3829022	0.19	cps
Iron	54-2	11312355	11462717	11185574	11320215	1.23	cps
Iron	56-2	209802057	206552490	206315277	207556608	0.94	cps
Iron	57-2	5284340	5311569	5203958	5266622	1.06	cps
Krypton	83-1	463	577	490	510	11.62	cps
Lead	206-1	1120656	1139134	1155930	1138573	1.55	cps

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-15	Instrumnet Name :	P8
Client Sample ID :	MYD5Y6	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 13:04:41	DataFile Name :	045AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	982482	1004374	1004585	997147	1.27	cps
Lead	208-1	4590858	4614071	4691946	4632291	1.14	cps
Lithium	6-1	13843723	13638873	13411090	13631229	1.59	cps
Magnesium	24-2	5324570	5211884	5217427	5251294	1.21	cps
Manganese	55-2	3331563	3371092	3355688	3352781	0.59	cps
Molybdenum	94-1	101933	103689	103941	103188	1.06	cps
Molybdenum	95-1	8649	8613	8946	8736	2.09	cps
Molybdenum	96-1	26672	28109	28439	27740	3.39	cps
Molybdenum	97-1	5314	5338	5428	5360	1.12	cps
Molybdenum	98-1	13413	13887	14041	13780	2.37	cps
Neodymium	150-1	308189	308946	311941	309692	0.64	cps
Neodymium	150-2	79263	78719	78200	78727	0.68	cps
Nickel	60-2	83245	84394	84100	83913	0.71	cps
Phosphorus	31-2	13663	13697	13803	13721	0.53	cps
Potassium	39-2	1409687	1395804	1382715	1396068	0.97	cps
Rhodium	103-1	30160540	29875521	30207915	30081325	0.60	cps
Rhodium	103-2	11027134	11010857	11097023	11045005	0.41	cps
Scandium	45-1	21727235	21442708	21368421	21512788	0.88	cps
Scandium	45-2	517971	516079	509597	514549	0.85	cps
Selenium	82-1	360	120	367	282	49.79	cps
Selenium	77-2	357	340	257	318	16.86	cps
Selenium	78-2	250	257	293	267	8.75	cps
Silicon	28-1	124360281	124894755	123082318	124112451	0.75	cps
Silver	107-1	5921	5998	6151	6024	1.95	cps
Silver	109-1	5441	5314	5491	5416	1.68	cps
Sodium	23-2	172428	170948	170577	171318	0.57	cps
Strontium	86-1	505860	516086	515128	512358	1.10	cps
Strontium	88-1	4658621	4648625	4690044	4665763	0.46	cps
Sulfur	34-1	631439	629717	629801	630319	0.15	cps
Terbium	159-1	46081149	45335464	45451386	45622667	0.88	cps
Terbium	159-2	14819001	14379284	14540309	14579531	1.53	cps
Thallium	203-1	5625	5388	5535	5516	2.17	cps
Thallium	205-1	13784	14178	13480	13814	2.53	cps
Tin	118-1	97719	100274	100854	99615	1.67	cps
Titanium	47-1	2476458	2527049	2498682	2500729	1.01	cps
Uranium	238-1	57379	58715	60242	58779	2.44	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-15	Instrumnet Name :	P8
Client Sample ID :	MYD5Y6	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 13:04:41	DataFile Name :	045AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	327663	325681	324210	325851	0.53	cps
Ytterbium	172-1	50569	52246	52243	51686	1.87	cps
Ytterbium	172-2	20813	20533	20332	20559	1.17	cps
Ytterbium	176-1	42816	43772	42431	43006	1.61	cps
Ytterbium	176-2	64192	65284	65444	64973	1.05	cps
Yttrium	89-1	52002439	51153628	50914436	51356834	1.11	cps
Yttrium	89-2	4216657	4229175	4146992	4197608	1.05	cps
Zinc	66-2	144814	144296	144572	144560	0.18	cps
Zirconium	90-1	266346	268683	272334	269121	1.12	cps
Zirconium	91-1	58680	60916	59500	59698	1.89	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-16	Instrumnet Name :	P8
Client Sample ID :	MYD5Y7	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 13:07:48	DataFile Name :	046AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4085694	4114626	3970718	4057013	1.88	cps
Antimony	121-1	17778	17615	17578	17657	0.60	cps
Arsenic	75-2	23727	24745	23356	23943	3.00	cps
Barium	135-1	1870409	1922000	1913758	1902056	1.46	cps
Barium	137-1	3272842	3288135	3279769	3280249	0.23	cps
Beryllium	9-1	6626	6684	6778	6696	1.15	cps
Bismuth	209-1	26578755	26839010	26871904	26763223	0.60	cps
Bismuth	209-2	10409564	10538023	11609850	10852479	6.07	cps
Bromine	81-1	26385	26231	25777	26131	1.21	cps
Cadmium	108-1	1003	1117	1090	1070	5.54	cps
Cadmium	106-1	28690	28149	28797	28545	1.22	cps
Cadmium	111-1	7178	6994	7004	7059	1.46	cps
Calcium	43-1	6069818	6201190	6106931	6125980	1.11	cps
Calcium	44-1	99229649	97434399	98800745	98488264	0.95	cps
Carbon	12-1	6195598	6346349	6400184	6314044	1.68	cps
Carbon	12-2	57836	56970	58064	57623	1.00	cps
Chlorine	35-1	245833703	253065990	255299763	251399818	1.97	cps
Chlorine	35-2	1294996	1283143	1303998	1294045	0.81	cps
Chromium	52-2	221366	222824	216377	220189	1.54	cps
Cobalt	59-2	277000	276687	270259	274649	1.39	cps
Copper	63-2	680035	679930	674687	678217	0.45	cps
Dysprosium	156-1	268217	267374	272086	269225	0.93	cps
Dysprosium	156-2	89084	88990	88464	88846	0.38	cps
Erbium	164-1	202437	208010	204209	204885	1.39	cps
Erbium	164-2	67681	67812	66753	67415	0.86	cps
Gadolinium	160-1	224641	227805	230628	227691	1.32	cps
Gadolinium	160-2	85914	87605	86603	86707	0.98	cps
Holmium	165-1	44401173	44390554	44661361	44484363	0.34	cps
Holmium	165-2	15017399	15191569	16761839	15656936	6.14	cps
Indium	115-1	32452025	33179921	32877805	32836584	1.11	cps
Indium	115-2	3862932	3906630	4328399	4032654	6.37	cps
Iron	54-2	14287794	14114042	13834951	14078929	1.62	cps
Iron	56-2	264613603	261342136	254975723	260310487	1.88	cps
Iron	57-2	6631587	6510845	6391391	6511274	1.84	cps
Krypton	83-1	573	587	613	591	3.45	cps
Lead	206-1	1384045	1391511	1384522	1386693	0.30	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-16	Instrumnet Name :	P8
Client Sample ID :	MYD5Y7	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 13:07:48	DataFile Name :	046AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1199636	1212892	1223447	1211992	0.98	cps
Lead	208-1	5548426	5656187	5630426	5611680	1.00	cps
Lithium	6-1	13545953	13228661	13377097	13383904	1.19	cps
Magnesium	24-2	6794996	6778951	6494737	6689561	2.53	cps
Manganese	55-2	4439546	4395862	4280579	4371996	1.88	cps
Molybdenum	94-1	126586	127188	127817	127197	0.48	cps
Molybdenum	95-1	10617	10564	10527	10570	0.43	cps
Molybdenum	96-1	33848	34379	34015	34081	0.80	cps
Molybdenum	97-1	6545	6178	6392	6372	2.89	cps
Molybdenum	98-1	16326	16780	16593	16567	1.38	cps
Neodymium	150-1	386580	393799	392674	391018	0.99	cps
Neodymium	150-2	98652	97766	96950	97790	0.87	cps
Nickel	60-2	110606	111029	108933	110189	1.01	cps
Phosphorus	31-2	17995	18212	18081	18096	0.60	cps
Potassium	39-2	1535220	1514187	1480605	1510004	1.82	cps
Rhodium	103-1	29362455	29586370	29530200	29493008	0.40	cps
Rhodium	103-2	10977042	10920840	12262010	11386631	6.66	cps
Scandium	45-1	21331244	20930316	21270264	21177275	1.02	cps
Scandium	45-2	516527	516829	572087	535148	5.98	cps
Selenium	82-1	413	337	313	354	14.76	cps
Selenium	77-2	403	417	333	384	11.64	cps
Selenium	78-2	277	403	337	339	18.70	cps
Silicon	28-1	127548261	128107008	126436061	127363777	0.67	cps
Silver	107-1	7722	7906	7702	7777	1.44	cps
Silver	109-1	6959	7499	7355	7271	3.85	cps
Sodium	23-2	218441	216190	215744	216791	0.67	cps
Strontium	86-1	721425	719872	725628	722308	0.41	cps
Strontium	88-1	6557874	6657433	6644583	6619964	0.82	cps
Sulfur	34-1	625011	626800	625373	625728	0.15	cps
Terbium	159-1	44444854	44495509	45894599	44944988	1.83	cps
Terbium	159-2	14889806	14795259	16451371	15378812	6.05	cps
Thallium	203-1	6715	6819	7039	6857	2.41	cps
Thallium	205-1	16287	16394	17048	16576	2.49	cps
Tin	118-1	137597	138704	137841	138047	0.42	cps
Titanium	47-1	3113102	3069128	3109975	3097402	0.79	cps
Uranium	238-1	72599	73722	72217	72846	1.07	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-16	Instrumnet Name :	P8
Client Sample ID :	MYD5Y7	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 13:07:48	DataFile Name :	046AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	436480	437998	429100	434526	1.10	cps
Ytterbium	172-1	64161	64911	65786	64953	1.25	cps
Ytterbium	172-2	25308	25698	25294	25433	0.90	cps
Ytterbium	176-1	49783	49740	50978	50167	1.40	cps
Ytterbium	176-2	68402	68882	74632	70639	4.91	cps
Yttrium	89-1	50772774	51330826	52080233	51394611	1.28	cps
Yttrium	89-2	4226778	4215442	4670287	4370836	5.93	cps
Zinc	66-2	170397	171106	169122	170208	0.59	cps
Zirconium	90-1	329102	333776	337352	333410	1.24	cps
Zirconium	91-1	73228	74993	74685	74302	1.27	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-17	Instrumnet Name :	P8
Client Sample ID :	MYD5Y8	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 13:10:57	DataFile Name :	047AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3054519	3025223	2967870	3015871	1.46	cps
Antimony	121-1	11638	11975	11638	11751	1.66	cps
Arsenic	75-2	13583	13236	13333	13384	1.34	cps
Barium	135-1	1382067	1387437	1397941	1389148	0.58	cps
Barium	137-1	2509100	2469401	2509562	2496021	0.92	cps
Beryllium	9-1	4901	4995	4774	4890	2.27	cps
Bismuth	209-1	26529482	26904856	27082517	26838952	1.05	cps
Bismuth	209-2	10667093	10607880	10460006	10578326	1.01	cps
Bromine	81-1	24658	24769	25059	24829	0.83	cps
Cadmium	108-1	743	820	820	794	5.57	cps
Cadmium	106-1	26977	27624	27788	27463	1.56	cps
Cadmium	111-1	5101	5392	5142	5212	3.03	cps
Calcium	43-1	5276960	5131746	5215681	5208129	1.40	cps
Calcium	44-1	84877035	84988712	84616215	84827321	0.23	cps
Carbon	12-1	4437341	4498609	4615472	4517141	2.00	cps
Carbon	12-2	41662	41585	40589	41279	1.45	cps
Chlorine	35-1	252399310	258576243	259630709	256868754	1.52	cps
Chlorine	35-2	1334337	1317811	1299799	1317316	1.31	cps
Chromium	52-2	137651	137805	136033	137163	0.72	cps
Cobalt	59-2	196520	192860	193601	194327	1.00	cps
Copper	63-2	428085	427448	425232	426922	0.35	cps
Dysprosium	156-1	215940	217387	221099	218142	1.22	cps
Dysprosium	156-2	72485	72311	72109	72302	0.26	cps
Erbium	164-1	166217	164817	167169	166067	0.71	cps
Erbium	164-2	54026	54554	54197	54259	0.50	cps
Gadolinium	160-1	184075	183922	185531	184510	0.48	cps
Gadolinium	160-2	72194	70934	70254	71127	1.38	cps
Holmium	165-1	43981066	44952868	45242351	44725428	1.48	cps
Holmium	165-2	15238357	15118569	15166668	15174531	0.40	cps
Indium	115-1	32309418	33331791	33184296	32941835	1.68	cps
Indium	115-2	3848823	3807517	3830774	3829038	0.54	cps
Iron	54-2	10234453	10121761	10039227	10131814	0.97	cps
Iron	56-2	189413764	184685824	183384797	185828128	1.71	cps
Iron	57-2	4763008	4689175	4704511	4718898	0.83	cps
Krypton	83-1	483	520	580	528	9.25	cps
Lead	206-1	712232	714703	715818	714251	0.26	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-17	Instrumnet Name :	P8
Client Sample ID :	MYD5Y8	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 13:10:57	DataFile Name :	047AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	613559	616200	621681	617146	0.67	cps
Lead	208-1	2806944	2825436	2839103	2823828	0.57	cps
Lithium	6-1	12717338	13440773	13318670	13158927	2.94	cps
Magnesium	24-2	5318465	5174657	5154585	5215902	1.71	cps
Manganese	55-2	4429103	4326885	4305352	4353780	1.52	cps
Molybdenum	94-1	109597	111318	109211	110042	1.02	cps
Molybdenum	95-1	6388	6558	6848	6598	3.53	cps
Molybdenum	96-1	26756	27437	27307	27167	1.33	cps
Molybdenum	97-1	4061	4027	3911	3999	1.97	cps
Molybdenum	98-1	10314	10314	10247	10292	0.37	cps
Neodymium	150-1	323387	321767	324102	323085	0.37	cps
Neodymium	150-2	81325	80573	80067	80655	0.78	cps
Nickel	60-2	83191	82034	82279	82502	0.74	cps
Phosphorus	31-2	14758	14511	14067	14445	2.42	cps
Potassium	39-2	970135	965822	959550	965169	0.55	cps
Rhodium	103-1	28929631	29930820	29777174	29545875	1.82	cps
Rhodium	103-2	11104112	10982502	11019206	11035274	0.57	cps
Scandium	45-1	20800200	21012193	21335133	21049175	1.28	cps
Scandium	45-2	513262	509163	504687	509037	0.84	cps
Selenium	82-1	293	200	100	198	48.89	cps
Selenium	77-2	263	327	313	301	11.09	cps
Selenium	78-2	267	257	287	270	5.66	cps
Silicon	28-1	130798421	129742788	130403268	130314826	0.41	cps
Silver	107-1	3967	3964	4061	3997	1.37	cps
Silver	109-1	3450	3551	3374	3458	2.56	cps
Sodium	23-2	207453	206165	204479	206032	0.72	cps
Strontium	86-1	549599	550667	552891	551052	0.30	cps
Strontium	88-1	4969929	5061294	4904013	4978412	1.59	cps
Sulfur	34-1	567340	565000	566659	566333	0.21	cps
Terbium	159-1	43983403	45216534	45207139	44802359	1.58	cps
Terbium	159-2	14827614	14513210	14475198	14605341	1.32	cps
Thallium	203-1	5481	5455	5655	5530	1.96	cps
Thallium	205-1	13300	13567	13297	13388	1.16	cps
Tin	118-1	83784	84844	85209	84613	0.87	cps
Titanium	47-1	2590692	2600841	2581018	2590850	0.38	cps
Uranium	238-1	55156	55246	55273	55225	0.11	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-17	Instrumnet Name :	P8
Client Sample ID :	MYD5Y8	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 13:10:57	DataFile Name :	047AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	299953	293710	294795	296153	1.13	cps
Ytterbium	172-1	50864	51684	51593	51380	0.87	cps
Ytterbium	172-2	20232	19952	20132	20105	0.71	cps
Ytterbium	176-1	41672	41990	42642	42101	1.17	cps
Ytterbium	176-2	63944	65193	64540	64559	0.97	cps
Yttrium	89-1	49033519	50499609	50224204	49919111	1.56	cps
Yttrium	89-2	4249800	4228593	4162290	4213561	1.08	cps
Zinc	66-2	111598	112146	110154	111299	0.92	cps
Zirconium	90-1	291153	295208	294058	293473	0.71	cps
Zirconium	91-1	64666	64605	65084	64785	0.40	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-18	Instrumnet Name :	P8
Client Sample ID :	MYD5Y9	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 13:14:06	DataFile Name :	048AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3024161	2982693	2966888	2991247	0.99	cps
Antimony	121-1	12149	11795	11748	11897	1.84	cps
Arsenic	75-2	14014	13613	14237	13955	2.27	cps
Barium	135-1	1401086	1428008	1431604	1420232	1.17	cps
Barium	137-1	2526739	2614611	2578925	2573425	1.72	cps
Beryllium	9-1	4954	4835	4985	4925	1.61	cps
Bismuth	209-1	27203147	27433773	27125633	27254184	0.59	cps
Bismuth	209-2	10638354	10623925	10566348	10609542	0.36	cps
Bromine	81-1	25503	26328	25440	25757	1.92	cps
Cadmium	108-1	770	823	710	768	7.38	cps
Cadmium	106-1	26616	27674	27467	27252	2.06	cps
Cadmium	111-1	6990	6582	6987	6853	3.43	cps
Calcium	43-1	4552464	4614218	4589578	4585420	0.68	cps
Calcium	44-1	72993737	74598241	73713337	73768438	1.09	cps
Carbon	12-1	8087774	8374557	8542265	8334865	2.76	cps
Carbon	12-2	76816	75891	76903	76536	0.73	cps
Chlorine	35-1	233048423	242483110	242615676	239382403	2.29	cps
Chlorine	35-2	1229923	1126739	1124037	1160233	5.20	cps
Chromium	52-2	221881	220981	218013	220292	0.92	cps
Cobalt	59-2	203360	202800	202468	202876	0.22	cps
Copper	63-2	510249	508651	507539	508813	0.27	cps
Dysprosium	156-1	211063	212239	211480	211594	0.28	cps
Dysprosium	156-2	70695	70930	71698	71108	0.74	cps
Erbium	164-1	160115	160232	159220	159856	0.35	cps
Erbium	164-2	52540	52801	52336	52559	0.44	cps
Gadolinium	160-1	177706	178218	178389	178104	0.20	cps
Gadolinium	160-2	68448	68649	68826	68641	0.28	cps
Holmium	165-1	45701396	44747401	44785223	45078007	1.20	cps
Holmium	165-2	15053881	15200361	15116851	15123697	0.49	cps
Indium	115-1	33023603	33117472	33669803	33270292	1.05	cps
Indium	115-2	3861136	3868388	3803710	3844411	0.92	cps
Iron	54-2	9706952	9589981	9579125	9625352	0.74	cps
Iron	56-2	179309537	176980437	177172177	177820717	0.73	cps
Iron	57-2	4489500	4473697	4469786	4477661	0.23	cps
Krypton	83-1	483	517	600	533	11.27	cps
Lead	206-1	1062678	1081809	1081927	1075471	1.03	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-18	Instrumnet Name :	P8
Client Sample ID :	MYD5Y9	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 13:14:06	DataFile Name :	048AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	942082	945359	951819	946420	0.52	cps
Lead	208-1	4380472	4374992	4377314	4377592	0.06	cps
Lithium	6-1	13107674	13306390	13080923	13164996	0.94	cps
Magnesium	24-2	5286897	5274573	5313737	5291736	0.38	cps
Manganese	55-2	3550171	3480798	3509805	3513591	0.99	cps
Molybdenum	94-1	77136	79211	80387	78911	2.09	cps
Molybdenum	95-1	7899	8379	8293	8190	3.13	cps
Molybdenum	96-1	22308	23316	23159	22928	2.37	cps
Molybdenum	97-1	5134	5021	5258	5138	2.30	cps
Molybdenum	98-1	12933	13430	12603	12988	3.21	cps
Neodymium	150-1	307992	311826	312926	310914	0.83	cps
Neodymium	150-2	77194	77579	78008	77594	0.53	cps
Nickel	60-2	101240	100253	100545	100679	0.50	cps
Phosphorus	31-2	15425	15415	15642	15494	0.83	cps
Potassium	39-2	1796310	1810986	1779067	1795454	0.89	cps
Rhodium	103-1	29902755	29923122	29548776	29791551	0.71	cps
Rhodium	103-2	10988314	11050728	10861785	10966942	0.88	cps
Scandium	45-1	20974271	21029653	21047378	21017101	0.18	cps
Scandium	45-2	503028	504732	500689	502816	0.40	cps
Selenium	82-1	260	290	127	226	38.55	cps
Selenium	77-2	297	337	327	320	6.51	cps
Selenium	78-2	280	257	297	278	7.23	cps
Silicon	28-1	135924281	136580835	135998745	136167954	0.26	cps
Silver	107-1	5915	5564	5715	5731	3.07	cps
Silver	109-1	5381	5144	5124	5217	2.74	cps
Sodium	23-2	181277	180261	179252	180263	0.56	cps
Strontium	86-1	493979	496034	493628	494547	0.26	cps
Strontium	88-1	4476926	4473238	4487172	4479112	0.16	cps
Sulfur	34-1	608242	611500	608236	609326	0.31	cps
Terbium	159-1	45795904	45183511	45823283	45600899	0.79	cps
Terbium	159-2	14835242	14574507	14989935	14799895	1.42	cps
Thallium	203-1	5591	5601	5445	5546	1.58	cps
Thallium	205-1	13804	13494	13427	13575	1.48	cps
Tin	118-1	116715	118342	118588	117882	0.86	cps
Titanium	47-1	2102065	2067137	2056625	2075276	1.15	cps
Uranium	238-1	53301	54587	53214	53701	1.43	cps

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	P2827-18	Instrumnet Name :	P8
Client Sample ID :	MYD5Y9	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 13:14:06	DataFile Name :	048AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	282421	281539	280223	281395	0.39	cps
Ytterbium	172-1	50861	51061	50713	50878	0.34	cps
Ytterbium	172-2	20229	19671	19691	19864	1.59	cps
Ytterbium	176-1	41512	41224	41836	41524	0.74	cps
Ytterbium	176-2	63321	64064	64158	63848	0.72	cps
Yttrium	89-1	50985539	50113619	50891034	50663398	0.94	cps
Yttrium	89-2	4159327	4162107	4099067	4140167	0.86	cps
Zinc	66-2	154285	154629	153582	154165	0.35	cps
Zirconium	90-1	203561	205387	205481	204810	0.53	cps
Zirconium	91-1	44217	45885	45574	45225	1.96	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	CCV002	Instrumnet Name :	P8
Client Sample ID :	CCV002	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 13:17:16	DataFile Name :	049CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8229844	8321927	8398245	8316672	1.01	cps
Antimony	121-1	11290082	11335059	11191599	11272247	0.65	cps
Arsenic	75-2	225734	226465	226201	226133	0.16	cps
Barium	135-1	16827394	17140361	16966273	16978009	0.92	cps
Barium	137-1	28917473	29402360	29255674	29191836	0.85	cps
Beryllium	9-1	2946931	3035882	3002557	2995123	1.50	cps
Bismuth	209-1	22833128	22239324	22892230	22654894	1.59	cps
Bismuth	209-2	8850039	9128541	9099506	9026028	1.70	cps
Bromine	81-1	21971	21991	21840	21934	0.37	cps
Cadmium	108-1	256906	259129	257751	257929	0.44	cps
Cadmium	106-1	384169	388601	387035	386601	0.58	cps
Cadmium	111-1	2868143	2887973	2867389	2874501	0.41	cps
Calcium	43-1	22230771	22143761	21985515	22120016	0.56	cps
Calcium	44-1	349767288	355752155	350357168	351958870	0.94	cps
Carbon	12-1	4766363	4963730	5017541	4915878	2.69	cps
Carbon	12-2	52584	52774	52895	52751	0.30	cps
Chlorine	35-1	10606111	10129200	9436984	10057432	5.85	cps
Chlorine	35-2	41188	38611	37388	39063	4.97	cps
Chromium	52-2	3001535	2967050	2986196	2984927	0.58	cps
Cobalt	59-2	5524005	5482858	5459765	5488876	0.59	cps
Copper	63-2	39991844	40133593	39929951	40018462	0.26	cps
Dysprosium	156-1	2150	2347	2227	2241	4.42	cps
Dysprosium	156-2	630	580	590	600	4.41	cps
Erbium	164-1	1120	1120	1150	1130	1.53	cps
Erbium	164-2	410	453	423	429	5.18	cps
Gadolinium	160-1	1270	1370	1287	1309	4.09	cps
Gadolinium	160-2	897	903	927	909	1.73	cps
Holmium	165-1	40788946	40992147	41756544	41179212	1.24	cps
Holmium	165-2	14389106	14563737	14225983	14392942	1.17	cps
Indium	115-1	29345724	29204018	29199319	29249687	0.28	cps
Indium	115-2	3596574	3650935	3640889	3629466	0.80	cps
Iron	54-2	31885807	31709631	32027447	31874295	0.50	cps
Iron	56-2	587850871	580497845	584638365	584329027	0.63	cps
Iron	57-2	14794311	14639920	14727704	14720645	0.53	cps
Krypton	83-1	363	347	453	388	14.80	cps
Lead	206-1	53808533	53967343	54208318	53994731	0.37	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	CCV002	Instrumnet Name :	P8
Client Sample ID :	CCV002	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 13:17:16	DataFile Name :	049CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	47453744	47283019	47234893	47323885	0.24	cps
Lead	208-1	217943055	215507617	217859065	217103246	0.64	cps
Lithium	6-1	12035981	12204878	12051245	12097368	0.77	cps
Magnesium	24-2	115658172	116090092	117525358	116424540	0.84	cps
Manganese	55-2	14859712	14875906	14970620	14902079	0.40	cps
Molybdenum	94-1	48764978	48785424	49065776	48872059	0.34	cps
Molybdenum	95-1	71223601	70760924	71433782	71139436	0.48	cps
Molybdenum	96-1	76818657	76727532	77477122	77007771	0.53	cps
Molybdenum	97-1	43593146	43677349	44040886	43770460	0.54	cps
Molybdenum	98-1	114248492	114302182	114864345	114471673	0.30	cps
Neodymium	150-1	3697	3727	3444	3623	4.30	cps
Neodymium	150-2	420	353	417	397	9.47	cps
Nickel	60-2	1337452	1342173	1340506	1340044	0.18	cps
Phosphorus	31-2	67335	67275	68343	67651	0.89	cps
Potassium	39-2	41818464	41660923	41527941	41669109	0.35	cps
Rhodium	103-1	25208931	25045186	25637203	25297107	1.21	cps
Rhodium	103-2	9561887	9596963	9482757	9547202	0.61	cps
Scandium	45-1	19340842	19654223	19619880	19538315	0.88	cps
Scandium	45-2	497626	501546	501517	500229	0.45	cps
Selenium	82-1	186159	185679	187660	186500	0.55	cps
Selenium	77-2	4754	4467	4304	4509	5.05	cps
Selenium	78-2	15429	15295	15335	15353	0.45	cps
Silicon	28-1	58039261	58083694	58326539	58149831	0.27	cps
Silver	107-1	15276628	15233839	15114576	15208348	0.55	cps
Silver	109-1	14134054	14322134	14354600	14270262	0.83	cps
Sodium	23-2	232938210	231445270	231837190	232073557	0.33	cps
Strontium	86-1	109966172	112744852	111756338	111489121	1.26	cps
Strontium	88-1	955954679	975103079	965252119	965436626	0.99	cps
Sulfur	34-1	1731265	1732382	1740191	1734613	0.28	cps
Terbium	159-1	41938454	41340120	41947523	41742032	0.83	cps
Terbium	159-2	13960881	14165684	14022415	14049660	0.75	cps
Thallium	203-1	13452017	13456415	13378700	13429044	0.33	cps
Thallium	205-1	32295621	32118903	32617795	32344106	0.78	cps
Tin	118-1	11162921	11183880	11127568	11158123	0.26	cps
Titanium	47-1	20201172	20580883	20347082	20376379	0.94	cps
Uranium	238-1	48210573	48150526	48183596	48181565	0.06	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	CCV002	Instrumnet Name :	P8
Client Sample ID :	CCV002	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 13:17:16	DataFile Name :	049CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	2388634	2374805	2414051	2392496	0.83	cps
Ytterbium	172-1	1023	1013	1043	1027	1.49	cps
Ytterbium	172-2	383	350	427	387	9.94	cps
Ytterbium	176-1	75454	74344	74384	74728	0.84	cps
Ytterbium	176-2	72058	72795	73352	72735	0.89	cps
Yttrium	89-1	45109098	44519574	44938133	44855602	0.68	cps
Yttrium	89-2	3940211	3958189	3890821	3929740	0.89	cps
Zinc	66-2	3917873	3928308	3950490	3932224	0.42	cps
Zirconium	90-1	23850089	23720539	23569135	23713254	0.59	cps
Zirconium	91-1	5318774	5327579	5253337	5299897	0.77	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	CCB002	Instrumnet Name :	P8
Client Sample ID :	CCB002	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 13:20:07	DataFile Name :	050CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	227	237	257	240	6.36	cps
Antimony	121-1	4071	5318	7222	5537	28.66	cps
Arsenic	75-2	20	27	10	19	44.42	cps
Barium	135-1	970	823	967	920	9.10	cps
Barium	137-1	1904	1583	1440	1642	14.45	cps
Beryllium	9-1	1014	950	800	921	11.91	cps
Bismuth	209-1	28061975	28010672	27605570	27892739	0.90	cps
Bismuth	209-2	11316386	11104292	11396887	11272522	1.34	cps
Bromine	81-1	22508	22418	23079	22668	1.58	cps
Cadmium	108-1	77	50	77	68	22.72	cps
Cadmium	106-1	25290	25003	24468	24920	1.67	cps
Cadmium	111-1	2769	2652	2557	2659	4.00	cps
Calcium	43-1	1443	1560	1160	1388	14.82	cps
Calcium	44-1	27273	25471	22009	24917	10.74	cps
Carbon	12-1	4014227	3955404	3906714	3958782	1.36	cps
Carbon	12-2	35319	34363	34915	34866	1.38	cps
Chlorine	35-1	5311521	5029819	4750603	5030648	5.58	cps
Chlorine	35-2	21553	20024	19747	20441	4.76	cps
Chromium	52-2	1030	960	1050	1013	4.66	cps
Cobalt	59-2	387	387	320	364	10.56	cps
Copper	63-2	13073	12933	12489	12831	2.38	cps
Dysprosium	156-1	460	523	423	469	10.79	cps
Dysprosium	156-2	33	20	47	33	40.01	cps
Erbium	164-1	297	327	250	291	13.27	cps
Erbium	164-2	107	127	130	121	10.42	cps
Gadolinium	160-1	367	367	347	360	3.21	cps
Gadolinium	160-2	720	610	620	650	9.36	cps
Holmium	165-1	44624254	44216901	44504729	44448628	0.47	cps
Holmium	165-2	15593030	15303783	15456377	15451063	0.94	cps
Indium	115-1	34183256	33981751	34200841	34121949	0.36	cps
Indium	115-2	4116360	4035957	4137760	4096692	1.31	cps
Iron	54-2	1370	1473	1573	1472	6.91	cps
Iron	56-2	20807	18033	17118	18652	10.30	cps
Iron	57-2	607	540	550	566	6.36	cps
Krypton	83-1	227	183	203	204	10.61	cps
Lead	206-1	3914	3290	2887	3364	15.38	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	CCB002	Instrumnet Name :	P8
Client Sample ID :	CCB002	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 13:20:07	DataFile Name :	050CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	3477	2757	2594	2943	15.98	cps
Lead	208-1	16015	13481	11883	13793	15.11	cps
Lithium	6-1	13268850	13328102	13392059	13329671	0.46	cps
Magnesium	24-2	1810	2147	1664	1874	13.23	cps
Manganese	55-2	917	807	787	837	8.37	cps
Molybdenum	94-1	3544	3574	3747	3622	3.03	cps
Molybdenum	95-1	3917	3054	3567	3513	12.37	cps
Molybdenum	96-1	4148	4217	4211	4192	0.92	cps
Molybdenum	97-1	2454	1934	2124	2170	12.13	cps
Molybdenum	98-1	5665	5868	5511	5681	3.15	cps
Neodymium	150-1	67	100	67	78	24.74	cps
Neodymium	150-2	0	13	0	4	173.21	cps
Nickel	60-2	433	330	337	367	15.77	cps
Phosphorus	31-2	143	130	167	147	12.65	cps
Potassium	39-2	15355	14971	15185	15170	1.27	cps
Rhodium	103-1	30706380	30905544	30365541	30659155	0.89	cps
Rhodium	103-2	11528748	11633764	11624470	11595661	0.50	cps
Scandium	45-1	21191263	20580220	20883243	20884908	1.46	cps
Scandium	45-2	513081	500854	507692	507209	1.21	cps
Selenium	82-1	-17	70	33	29	150.61	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	20	13	13	16	24.76	cps
Silicon	28-1	633890	622143	615554	623862	1.49	cps
Silver	107-1	1587	1477	1257	1440	11.67	cps
Silver	109-1	1240	1037	903	1060	16.00	cps
Sodium	23-2	43796	42238	40693	42242	3.67	cps
Strontium	86-1	3784	2857	2621	3087	19.92	cps
Strontium	88-1	27724	20102	20733	22853	18.51	cps
Sulfur	34-1	544895	546513	547381	546263	0.23	cps
Terbium	159-1	45281646	44585471	45244836	45037318	0.87	cps
Terbium	159-2	15345691	14874915	15112967	15111191	1.56	cps
Thallium	203-1	2230	1977	1807	2005	10.63	cps
Thallium	205-1	5448	4688	4351	4829	11.64	cps
Tin	118-1	4327	4247	4134	4236	2.29	cps
Titanium	47-1	877	710	710	766	12.57	cps
Uranium	238-1	1547	1784	917	1416	31.65	cps

Reviewed By:mohan
On:10/19/2024 6:45:43 AM
Inst Id :P8

LB Number :	LB132882	Operator :	Jaswal
Lab Sample ID :	CCB002	Instrumnet Name :	P8
Client Sample ID :	CCB002	Dilution Factor :	1
Date & Time Acquired :	2024-10-08 13:20:07	DataFile Name :	050CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	53	33	57	48	26.42	cps
Ytterbium	172-1	250	303	300	284	10.50	cps
Ytterbium	172-2	140	93	107	113	21.21	cps
Ytterbium	176-1	9257	9343	9460	9353	1.09	cps
Ytterbium	176-2	53274	53769	54208	53750	0.87	cps
Yttrium	89-1	49349833	48593039	48564619	48835830	0.91	cps
Yttrium	89-2	4080024	4132809	4158228	4123687	0.97	cps
Zinc	66-2	1713	1657	1707	1692	1.83	cps
Zirconium	90-1	4537	4337	4678	4517	3.78	cps
Zirconium	91-1	943	1100	1037	1027	7.68	cps

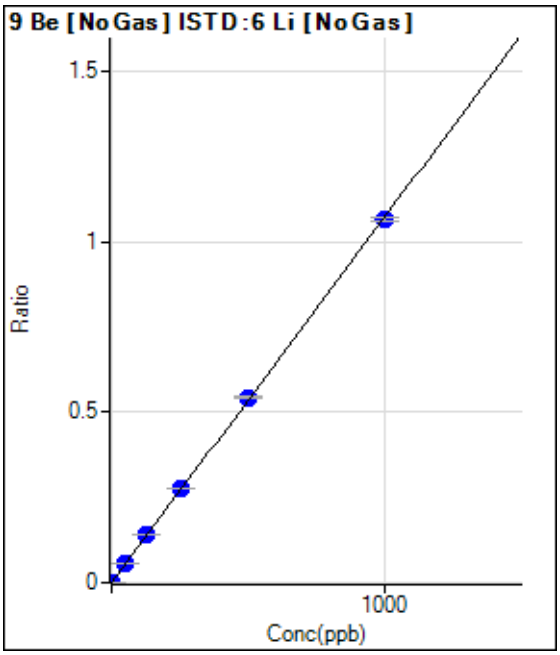
Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

Calibration for 010CALS.d

Batch Folder: D:\Agilent\ICPMH\1\DATA\P7101824-MS.b\
Analysis File: P7101824-MS.batch.bin
DA Date-Time: 2024-10-18 16:42:04
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	004CALB.d	S00	2024-10-18 11:46:13
2	005CALS.d	S02	2024-10-18 11:49:35
3	006CALS.d	S03	2024-10-18 11:53:00
4	007CALS.d	S04	2024-10-18 11:56:17
5	008CALS.d	S05	2024-10-18 11:59:27
6	009CALS.d	S06	2024-10-18 12:02:28
7	010CALS.d	S07	2024-10-18 12:05:26
8	011CALS.d	S08	2024-10-18 12:08:18

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	35.56	0.0001	P	48.1
2	☐	1.000	1.074	853.36	0.0012	P	7.9
3	☐	50.000	52.955	40734.31	0.0568	P	0.4
4	☐	125.000	131.204	98467.94	0.1407	P	0.9
5	☐	250.000	258.343	189928.74	0.2769	P	1.1
6	☐	500.000	507.773	365397.15	0.5443	P	1.6
7	☐	1000.000	993.105	712753.69	1.0645	P	1.2
8	☐			421.12	0.0006	P	12.1

y = 0.0011 * x + 5.1797E-005

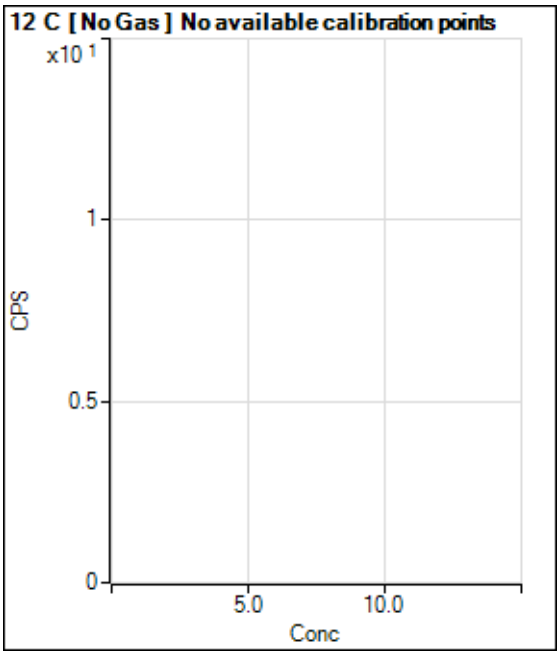
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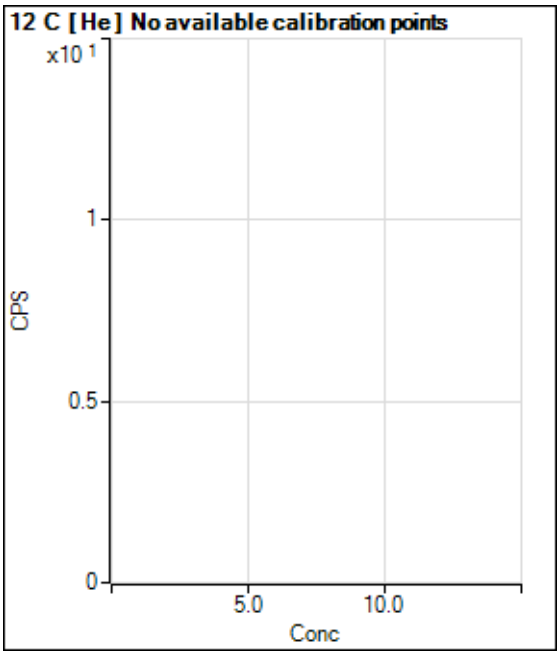
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Min Conc: 0

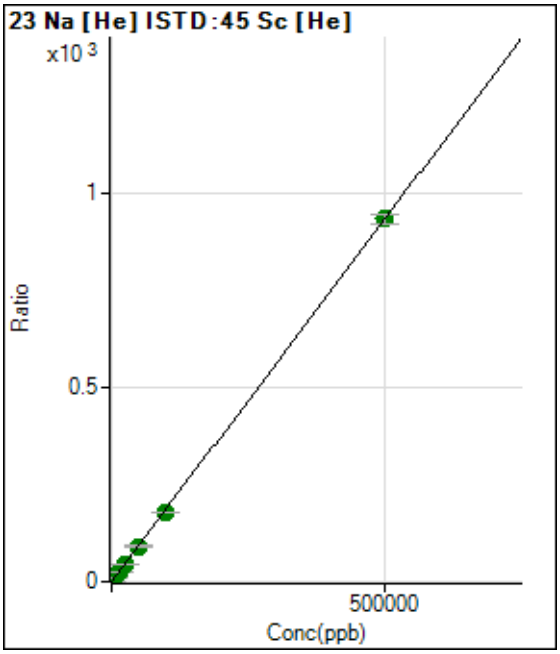


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						

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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						

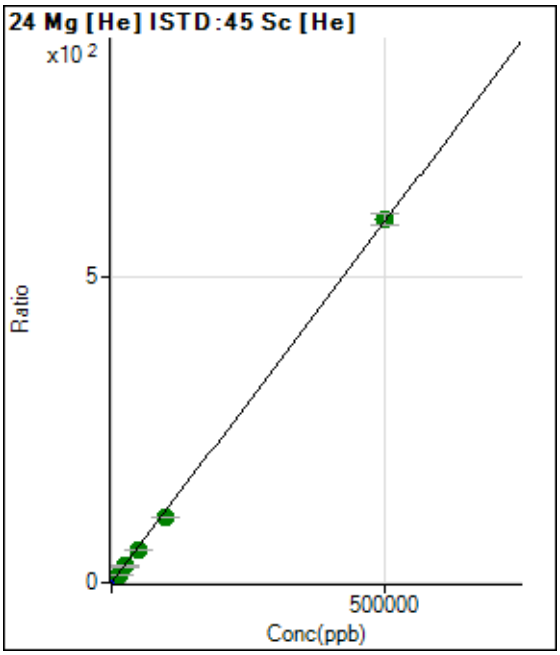


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	7388.50	0.0544	P	2.9
2	☐	500.000	482.836	129794.45	0.9562	P	0.4
3	☐	5000.000	4717.655	1199439.84	8.8656	A	1.5
4	☐	12500.000	12108.326	2938633.57	22.6691	A	0.2
5	☐	25000.000	24017.612	5578423.25	44.9120	A	1.2
6	☐	50000.000	48935.018	11114437.06	91.4502	A	0.9
7	☐	100000.00	96533.420	22096994.39	180.3495	A	0.5
8	☐	500000.00	500861.56	107863426.1	935.5115	A	2.6

y = 0.0019 * x + 0.0544
R = 1.0000
DL = 2.529
BEC = 29.14

Weight: <None>
Min Conc: 0

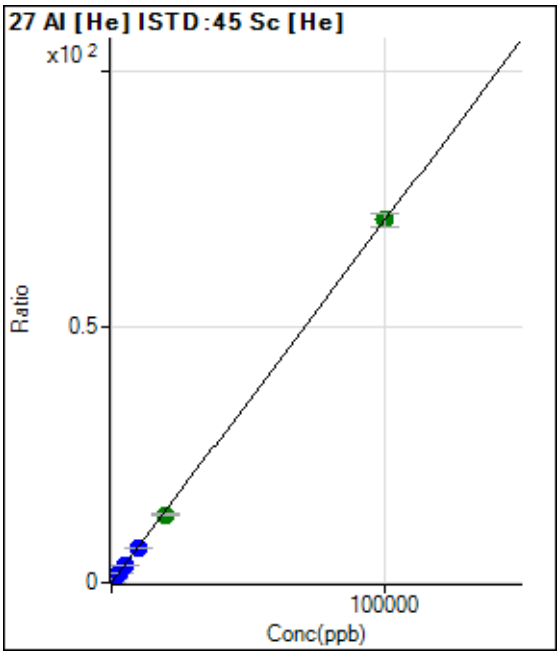
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1458.98	0.0108	P	6.6
2	☐	500.000	473.471	77398.78	0.5702	P	1.1
3	☐	5000.000	4619.071	739918.65	5.4687	P	0.6
4	☐	12500.000	11375.553	1743715.97	13.4523	A	1.2
5	☐	25000.000	22641.174	3324378.94	26.7639	A	0.7
6	☐	50000.000	45469.758	6531189.90	53.7385	A	1.3
7	☐	100000.00	89989.295	13029361.61	106.3435	A	0.9
8	☐	500000.00	502605.05	68465590.09	593.8967	A	3.3

y = 0.0012 * x + 0.0108
R = 0.9998
DL = 1.79
BEC = 9.1

Weight: <None>
Min Conc: 0

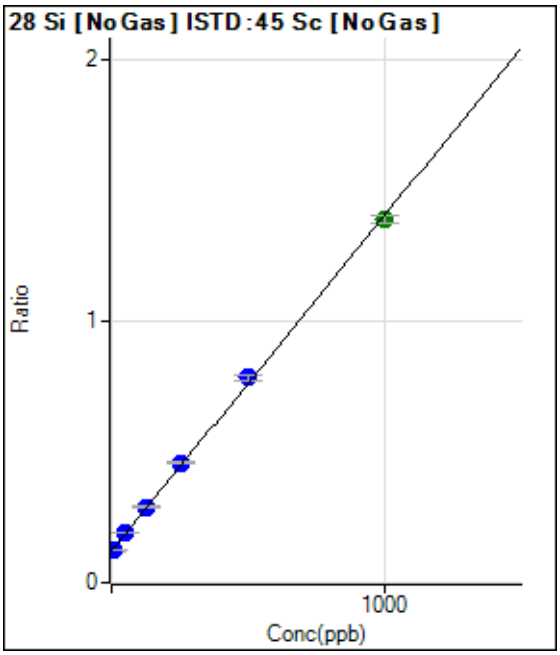


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	111.11	0.0008	P	10.3
2	☐	20.000	18.035	1840.13	0.0136	P	8.8
3	☐	1000.000	970.326	92845.24	0.6862	P	0.3
4	☐	2500.000	2439.935	223506.12	1.7243	P	1.3
5	☐	5000.000	4898.559	429879.23	3.4609	P	0.7
6	☐	10000.000	9758.888	837848.97	6.8940	P	1.3
7	☐	20000.000	18857.821	1632135.59	13.3211	A	0.4
8	☐	100000.00	100259.41	8163990.78	70.8193	A	3.4

y = 7.0635E-004 * x + 8.1699E-004
R = 0.9999
DL = 0.358
BEC = 1.157

Weight: <None>
Min Conc: 0

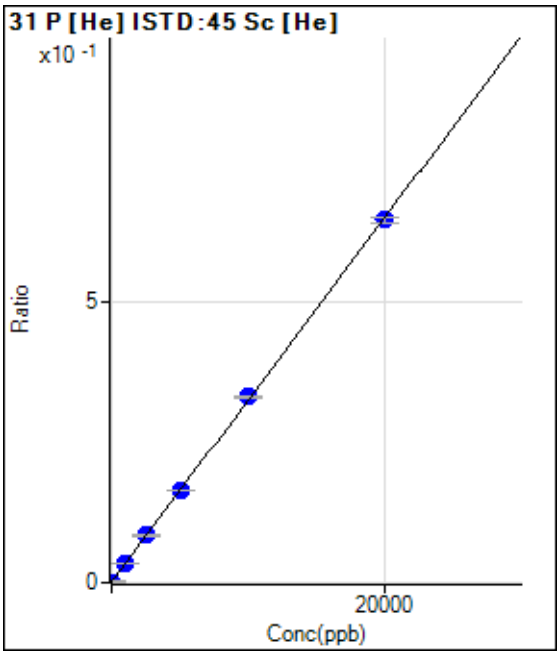
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	185791.17	0.1212	P	6.8
2	☐	10.000	3.505	197679.45	0.1257	P	0.1
3	☐	50.000	52.424	293438.98	0.1883	P	0.7
4	☐	125.000	131.422	436027.23	0.2895	P	0.7
5	☐	250.000	263.519	655675.57	0.4587	P	2.1
6	☐	500.000	517.461	1078765.84	0.7839	P	3.2
7	☐	1000.000	987.031	1915483.96	1.3852	A	2.1
8	☐			181047.22	0.1359	P	2.0

y = 0.0013 * x + 0.1212
R = 0.9996
DL = 19.35
BEC = 94.62

Weight: <None>
Min Conc: 0

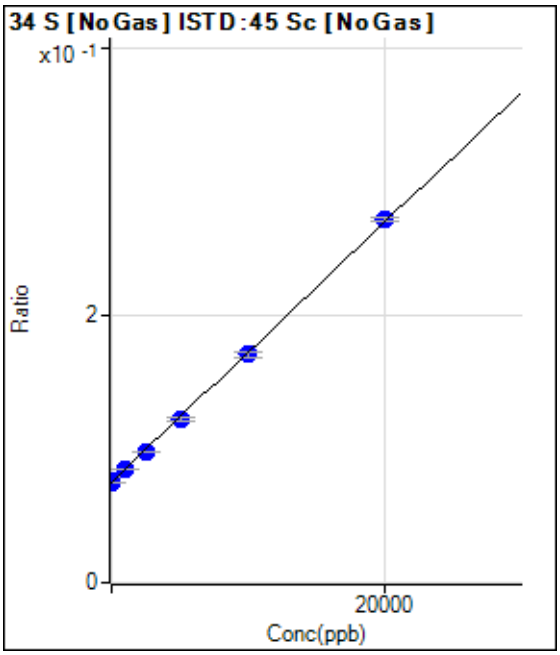


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-16.247	87.78	0.0006	P	6.6
2	☐	0.000	16.247	231.12	0.0017	P	5.9
3	☐	1000.000	1019.153	4642.98	0.0343	P	2.3
4	☐	2500.000	2573.387	10999.59	0.0849	P	1.8
5	☐	5000.000	5025.243	20444.85	0.1646	P	0.8
6	☐	10000.000	10177.957	40370.95	0.3322	P	1.0
7	☐	20000.000	19894.580	79411.11	0.6482	P	1.5
8	☐			134.45	0.0012	P	13.2

y = 3.2521E-005 * x + 0.0012
R = 0.9999
DL = 6.565
BEC = 36.11

Weight: <None>
Min Conc: 0

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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	104.685	117288.92	0.0765	P	5.7
2	☐	0.000	-104.685	117080.66	0.0744	P	0.6
3	☐	1000.000	925.692	131582.77	0.0844	P	0.1
4	☐	2500.000	2300.609	147315.20	0.0978	P	0.7
5	☐	5000.000	4810.879	174691.19	0.1222	P	1.6
6	☐	10000.000	9809.716	235025.26	0.1708	P	2.5
7	☐	20000.000	20171.062	375345.68	0.2714	P	0.9
8	☐			97537.63	0.0732	P	1.5

y = 9.7155E-006 * x + 0.0754

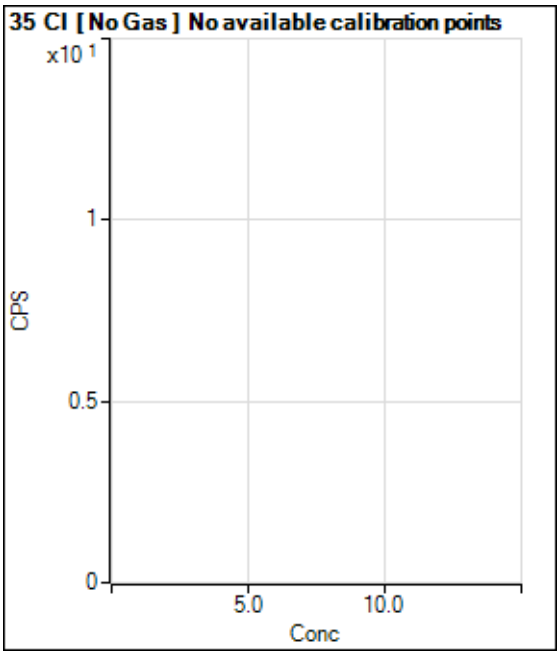
R = 0.9998

DL = 743.1

BEC = 7766

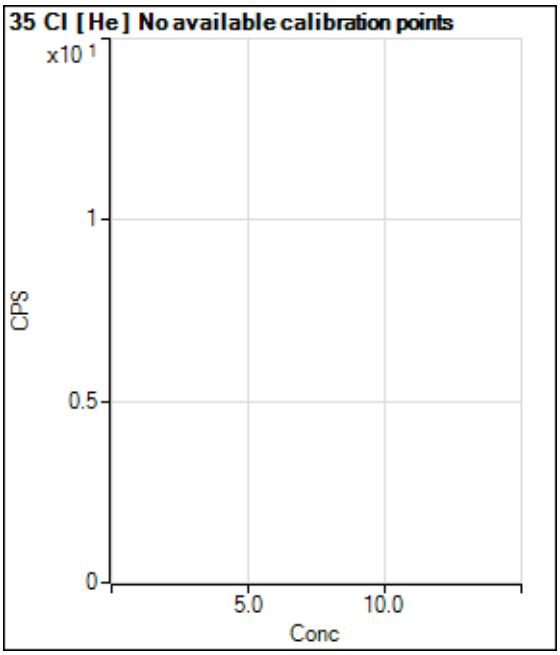
Weight: <None>

Min Conc: 0

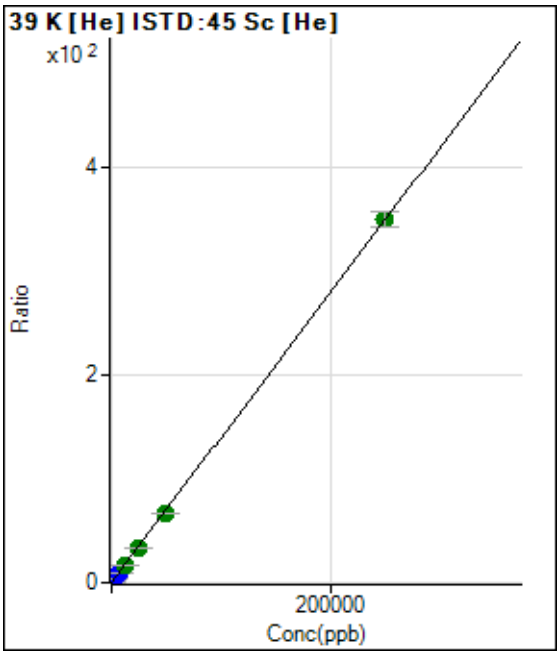


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						

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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						

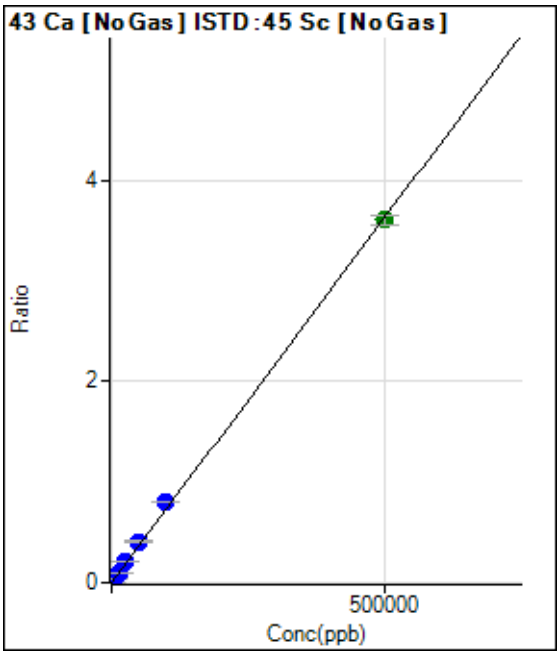


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	34901.06	0.2571	P	3.3
2	☐	500.000	498.429	129178.91	0.9517	P	0.5
3	☐	2500.000	2599.147	524831.91	3.8791	P	1.1
4	☐	6250.000	6576.153	1221227.25	9.4213	P	1.0
5	☐	12500.000	12307.219	2162273.37	17.4079	A	0.7
6	☐	25000.000	24259.401	4140132.71	34.0639	A	0.4
7	☐	50000.000	47752.077	8184733.63	66.8023	A	0.6
8	☐	250000.00	250524.14	40269401.07	349.3765	A	4.3

y = 0.0014 * x + 0.2571
R = 0.9999
DL = 18.2
BEC = 184.5

Weight: <None>
Min Conc: 0

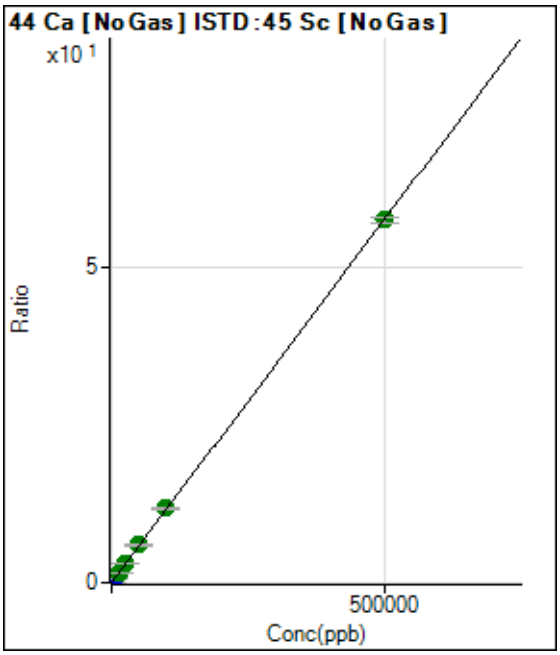
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	191.12	0.0001	P	7.4
2	☐	500.000	495.291	5853.40	0.0037	P	2.1
3	☐	5000.000	5715.929	64872.22	0.0416	P	1.6
4	☐	12500.000	14232.469	155867.26	0.1035	P	0.3
5	☐	25000.000	28333.310	294306.63	0.2059	P	2.4
6	☐	50000.000	56337.689	563244.16	0.4092	P	2.9
7	☐	100000.00	110392.78	1108793.56	0.8018	P	1.0
8	☐	500000.00	497070.54	4809122.53	3.6098	A	2.5

y = 7.2619E-006 * x + 1.2467E-004
R = 0.9997
DL = 3.811
BEC = 17.17

Weight: <None>
Min Conc: 0

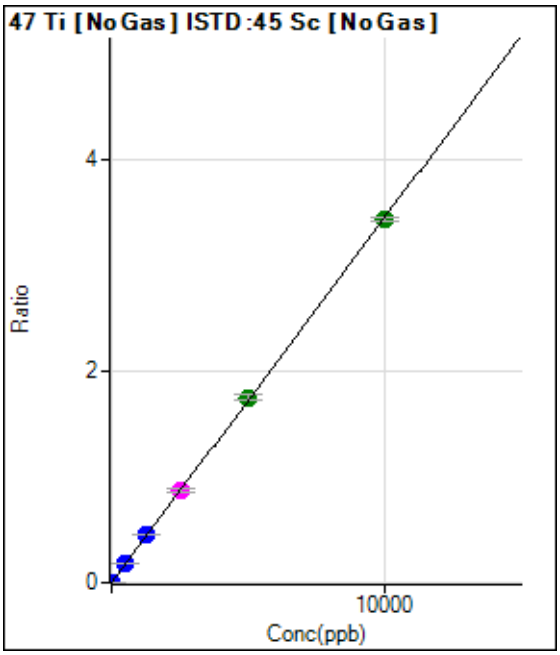


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	4287.35	0.0028	P	3.1
2	☐	500.000	514.871	97682.75	0.0621	P	0.6
3	☐	5000.000	5560.104	1002352.45	0.6433	P	0.6
4	☐	12500.000	12948.047	2250792.95	1.4943	A	0.5
5	☐	25000.000	25741.427	4243105.87	2.9680	A	1.7
6	☐	50000.000	51927.781	8235692.38	5.9844	A	3.3
7	☐	100000.00	102069.65	16263010.45	11.7602	A	1.2
8	☐	500000.00	499339.40	76635896.08	57.5219	A	1.7

y = 1.1519E-004 * x + 0.0028
R = 1.0000
DL = 2.252
BEC = 24.24

Weight: <None>
Min Conc: 0

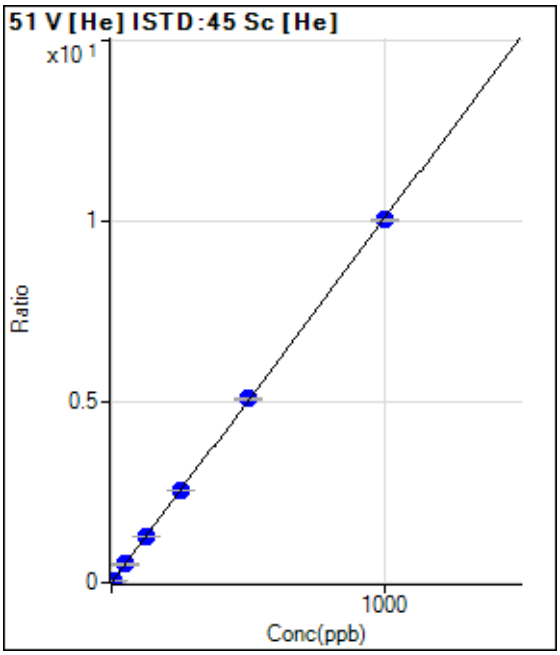
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	33.33	0.0000	P	35.5
2	☐	5.000	4.655	2560.25	0.0016	P	4.1
3	☐	500.000	519.149	279236.67	0.1792	P	0.9
4	☐	1250.000	1298.902	675285.78	0.4483	P	0.4
5	☐	2500.000	2540.026	1253206.12	0.8767	M	3.1
6	☐	5000.000	5075.249	2410902.41	1.7517	A	2.9
7	☐	10000.000	9945.299	4746846.67	3.4326	A	1.2
8	☐			768.92	0.0006	P	7.2

y = 3.4514E-004 * x + 2.1406E-005
R = 0.9999
DL = 0.066
BEC = 0.06202

Weight: <None>
Min Conc: 0

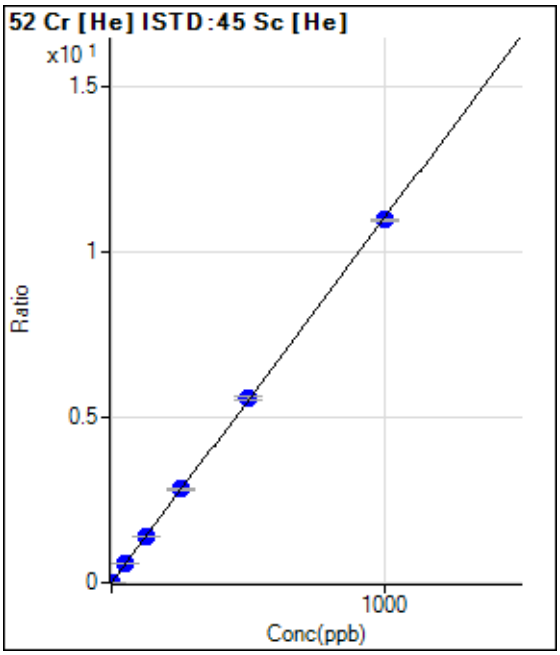


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	6.67	0.0000	P	2.2
2	☐	5.000	4.970	6794.93	0.0501	P	0.8
3	☐	50.000	50.437	68666.23	0.5076	P	2.0
4	☐	125.000	127.464	166263.35	1.2826	P	0.7
5	☐	250.000	254.033	317507.51	2.5562	P	0.6
6	☐	500.000	505.259	617907.06	5.0841	P	1.0
7	☐	1000.000	996.033	1227959.39	10.0225	P	0.6
8	☐			386.68	0.0034	P	10.1

y = 0.0101 * x + 4.9130E-005
R = 1.0000
DL = 0.000326
BEC = 0.004883

Weight: <None>
Min Conc: 0

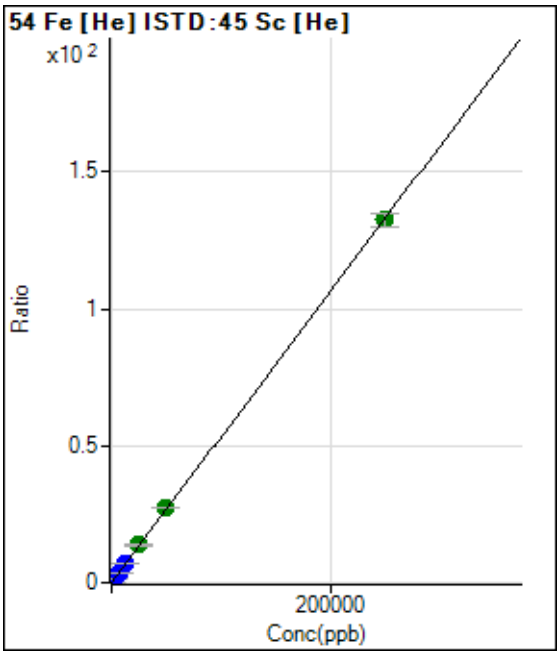
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	280.01	0.0021	P	21.8
2	☐	2.000	1.952	3204.82	0.0236	P	5.7
3	☐	50.000	51.263	76849.94	0.5680	P	1.4
4	☐	125.000	128.175	183697.99	1.4171	P	0.8
5	☐	250.000	255.961	351252.27	2.8279	P	1.0
6	☐	500.000	506.864	680323.83	5.5980	P	1.5
7	☐	1000.000	994.618	1345632.93	10.9829	P	0.6
8	☐			4725.24	0.0410	P	5.9

y = 0.0110 * x + 0.0021
R = 0.9999
DL = 0.1223
BEC = 0.1867

Weight: <None>
Min Conc: 0

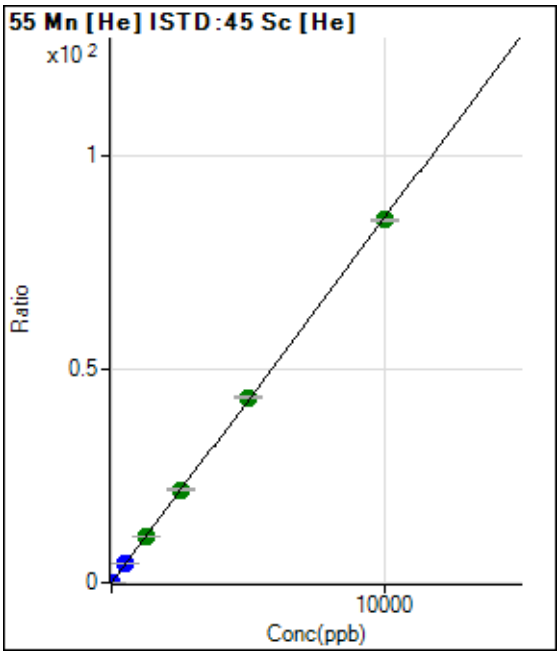


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	876.70	0.0065	P	7.8
2	☐	50.000	55.334	4864.16	0.0358	P	1.7
3	☐	2500.000	2733.435	197171.94	1.4574	P	1.1
4	☐	6250.000	6910.559	476315.78	3.6745	P	0.8
5	☐	12500.000	13790.073	909964.23	7.3261	P	1.1
6	☐	25000.000	26069.472	1682396.28	13.8440	A	2.4
7	☐	50000.000	51236.816	3332869.05	27.2026	A	0.9
8	☐	250000.00	249562.33	15270920.61	132.4725	A	3.5

y = 5.3079E-004 * x + 0.0065
R = 1.0000
DL = 2.838
BEC = 12.18

Weight: <None>
Min Conc: 0

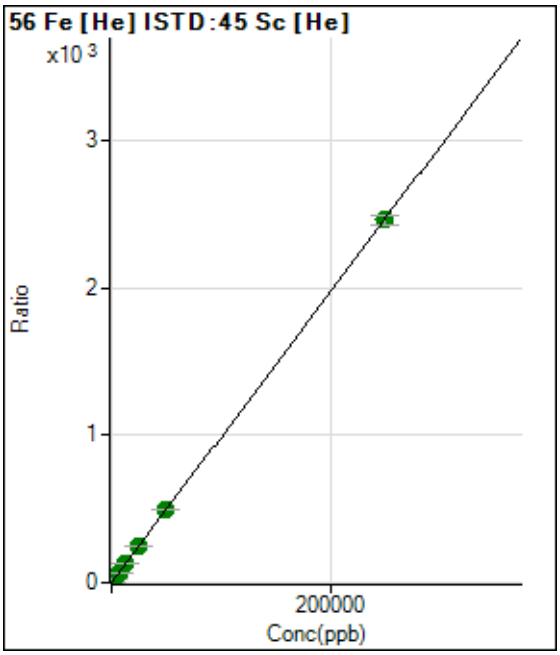
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	92.22	0.0007	P	19.0
2	☐	1.000	1.068	1333.41	0.0098	P	4.3
3	☐	500.000	518.254	600441.65	4.4379	P	0.7
4	☐	1250.000	1267.258	1406505.36	10.8508	A	1.2
5	☐	2500.000	2554.499	2716595.27	21.8721	A	1.8
6	☐	5000.000	5071.712	5277496.90	43.4242	A	1.2
7	☐	10000.000	9947.449	10435196.86	85.1698	A	0.6
8	☐			6709.33	0.0582	P	2.6

y = 0.0086 * x + 6.7814E-004
R = 0.9999
DL = 0.04514
BEC = 0.0792

Weight: <None>
Min Conc: 0

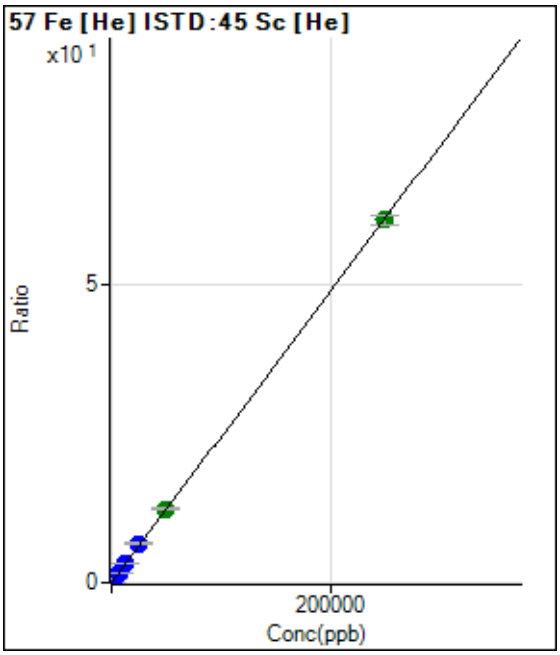


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	5355.45	0.0394	P	1.9
2	☐	50.000	52.445	75405.44	0.5555	P	0.6
3	☐	2500.000	2575.550	3434442.83	25.3836	A	0.3
4	☐	6250.000	6430.343	8207160.50	63.3160	A	1.5
5	☐	12500.000	12818.787	15672712.54	126.1802	A	0.9
6	☐	25000.000	25578.762	30596574.54	251.7423	A	0.4
7	☐	50000.000	50007.452	60295883.55	492.1281	A	0.7
8	☐	250000.00	249919.42	283533082.4	2,459.323	A	2.9

y = 0.0098 * x + 0.0394
R = 1.0000
DL = 0.2244
BEC = 4.008

Weight: <None>
Min Conc: 0

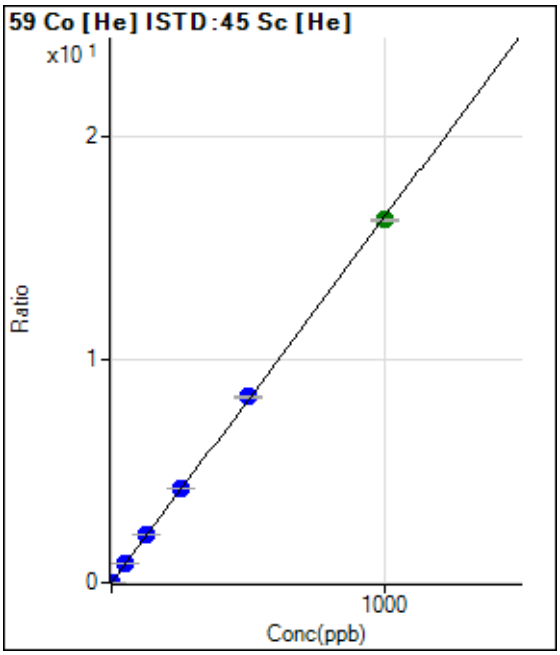
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	628.91	0.0046	P	11.9
2	☐	50.000	55.697	2468.00	0.0182	P	6.7
3	☐	2500.000	2707.293	89709.87	0.6631	P	1.3
4	☐	6250.000	6839.835	216236.23	1.6682	P	0.8
5	☐	12500.000	13650.232	412930.46	3.3245	P	1.2
6	☐	25000.000	27062.533	800521.87	6.5865	P	0.4
7	☐	50000.000	50829.047	1515186.59	12.3668	A	1.1
8	☐	250000.00	249553.60	6998069.55	60.6986	A	2.9

y = 2.4321E-004 * x + 0.0046
R = 1.0000
DL = 6.815
BEC = 19.05

Weight: <None>
Min Conc: 0

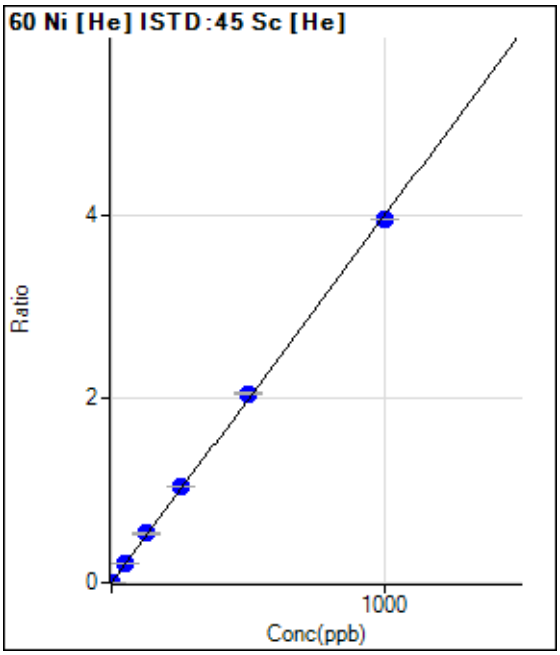


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	26.67	0.0002	P	38.1
2	☐	1.000	1.090	2450.22	0.0181	P	2.2
3	☐	50.000	51.637	114506.63	0.8463	P	1.2
4	☐	125.000	130.403	277031.21	2.1370	P	0.4
5	☐	250.000	257.959	525051.26	4.2272	P	1.2
6	☐	500.000	509.722	1015159.64	8.3527	P	0.8
7	☐	1000.000	992.392	1992421.46	16.2620	A	0.8
8	☐			5199.83	0.0451	P	0.8

y = 0.0164 * x + 1.9697E-004
R = 0.9999
DL = 0.01373
BEC = 0.01202

Weight: <None>
Min Conc: 0

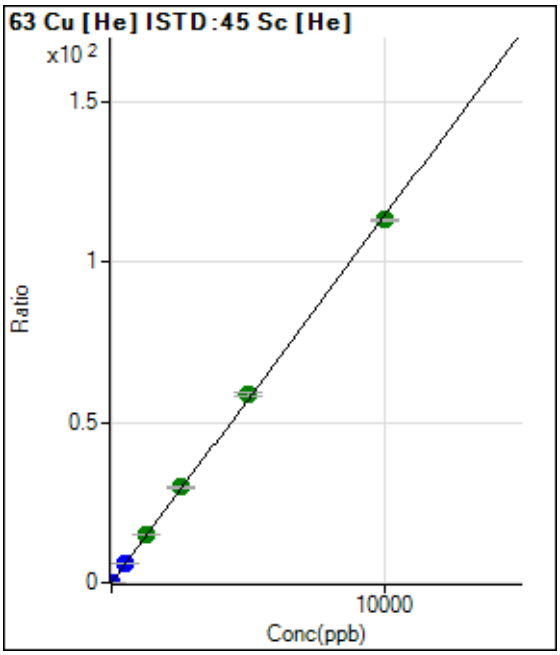
Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	67.78	0.0005	P	21.0
2	☐	1.000	1.203	718.91	0.0053	P	12.1
3	☐	50.000	53.589	28968.04	0.2141	P	1.3
4	☐	125.000	134.020	69308.06	0.5347	P	1.9
5	☐	250.000	261.747	129653.08	1.0439	P	1.5
6	☐	500.000	514.201	249165.71	2.0502	P	1.1
7	☐	1000.000	988.656	482908.53	3.9414	P	0.2
8	☐			1984.60	0.0172	P	10.1

y = 0.0040 * x + 5.0011E-004
R = 0.9998
DL = 0.07905
BEC = 0.1255

Weight: <None>
Min Conc: 0

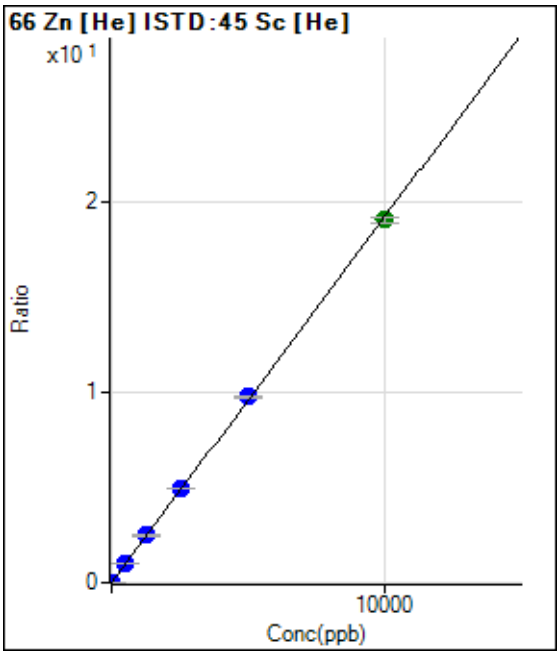


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	771.14	0.0057	P	7.9
2	☐	2.000	2.076	3997.24	0.0294	P	4.8
3	☐	500.000	524.272	813128.41	6.0098	P	0.5
4	☐	1250.000	1327.819	1971893.77	15.2122	A	0.8
5	☐	2500.000	2602.032	3702071.44	29.8048	A	1.2
6	☐	5000.000	5145.994	7162861.14	58.9389	A	1.5
7	☐	10000.000	9890.554	13878808.13	113.2747	A	0.7
8	☐			4570.74	0.0397	P	4.1

y = 0.0115 * x + 0.0057
R = 0.9998
DL = 0.1174
BEC = 0.4955

Weight: <None>
Min Conc: 0

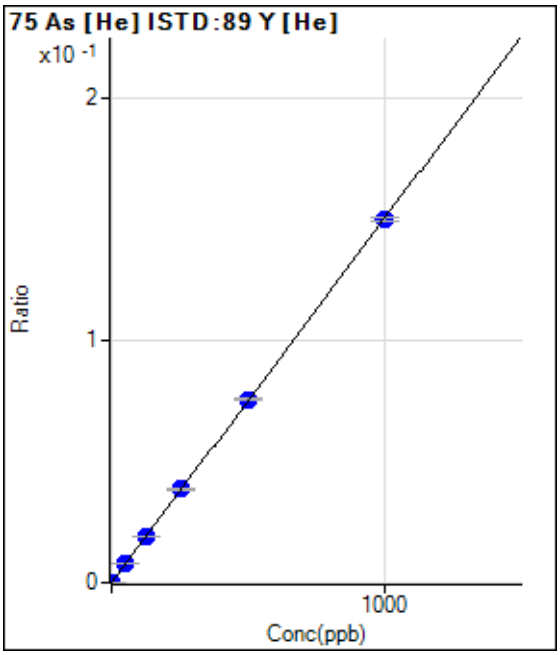
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	85.55	0.0006	P	17.4
2	☐	2.000	5.061	1403.42	0.0103	P	6.0
3	☐	500.000	515.876	133985.65	0.9903	P	0.6
4	☐	1250.000	1292.831	321583.18	2.4808	P	0.7
5	☐	2500.000	2576.920	614105.80	4.9442	P	1.2
6	☐	5000.000	5098.535	1188808.14	9.7817	P	1.1
7	☐	10000.000	9925.354	2332925.45	19.0415	A	1.4
8	☐			8270.14	0.0717	P	4.7

y = 0.0019 * x + 6.3110E-004
R = 0.9999
DL = 0.1719
BEC = 0.329

Weight: <None>
Min Conc: 0

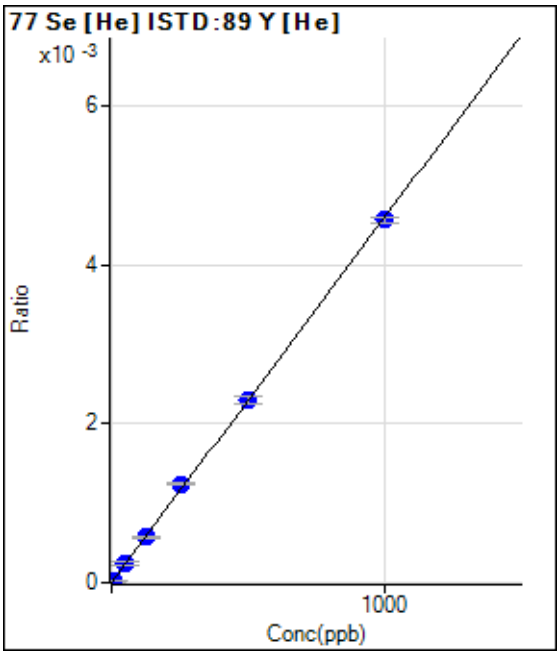


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1.11	0.0000	P	173.
2	☐	1.000	1.135	212.23	0.0002	P	19.3
3	☐	50.000	51.379	9573.18	0.0077	P	1.3
4	☐	125.000	128.064	23029.05	0.0193	P	0.6
5	☐	250.000	256.612	44378.35	0.0386	P	0.9
6	☐	500.000	503.633	85715.37	0.0758	P	1.0
7	☐	1000.000	996.078	169645.52	0.1500	P	1.1
8	☐			74.45	0.0001	P	17.8

y = 1.5056E-004 * x + 8.9667E-007
R = 1.0000
DL = 0.03095
BEC = 0.005955

Weight: <None>
Min Conc: 0

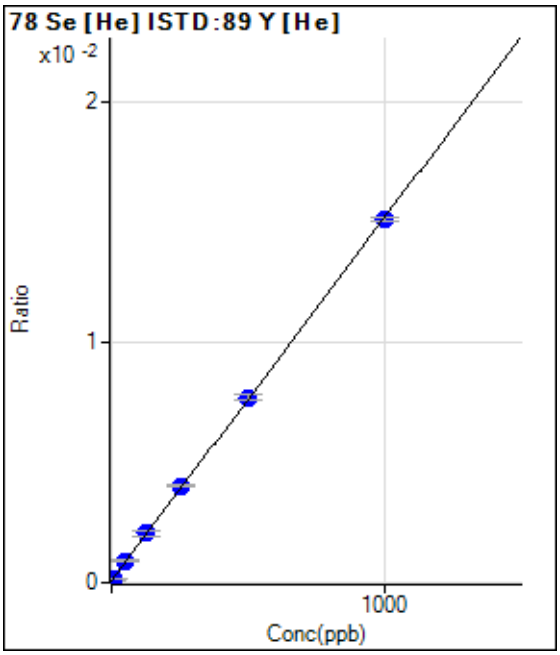
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2.22	0.0000	P	86.6
2	☐	5.000	5.867	35.56	0.0000	P	39.0
3	☐	50.000	52.711	302.23	0.0002	P	18.4
4	☐	125.000	124.026	683.35	0.0006	P	6.4
5	☐	250.000	270.229	1428.97	0.0012	P	2.7
6	☐	500.000	502.374	2612.47	0.0023	P	4.2
7	☐	1000.000	993.738	5169.84	0.0046	P	1.4
8	☐			2.22	0.0000	P	86.6

y = 4.5974E-006 * x + 1.7929E-006
R = 0.9998
DL = 1.013
BEC = 0.39

Weight: <None>
Min Conc: 0

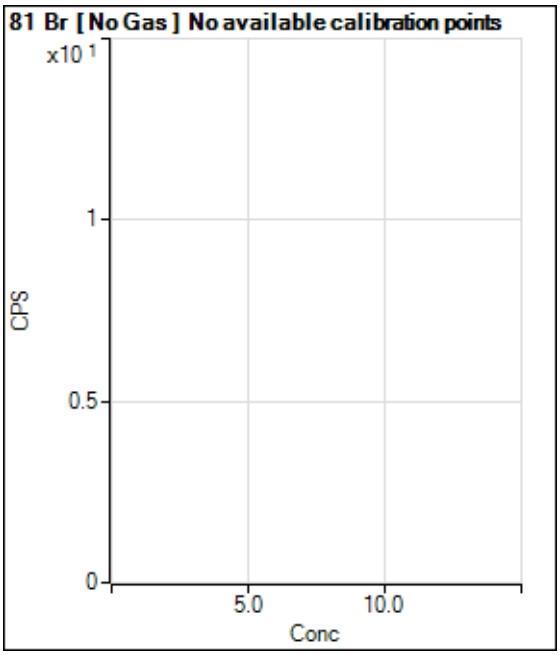


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	108.89	0.0001	P	23.2
2	☐	5.000	4.427	190.00	0.0002	P	4.5
3	☐	50.000	53.462	1104.50	0.0009	P	6.0
4	☐	125.000	129.418	2433.56	0.0020	P	8.1
5	☐	250.000	259.883	4599.64	0.0040	P	1.9
6	☐	500.000	505.576	8713.75	0.0077	P	3.3
7	☐	1000.000	994.019	17048.80	0.0151	P	1.2
8	☐			103.34	0.0001	P	30.0

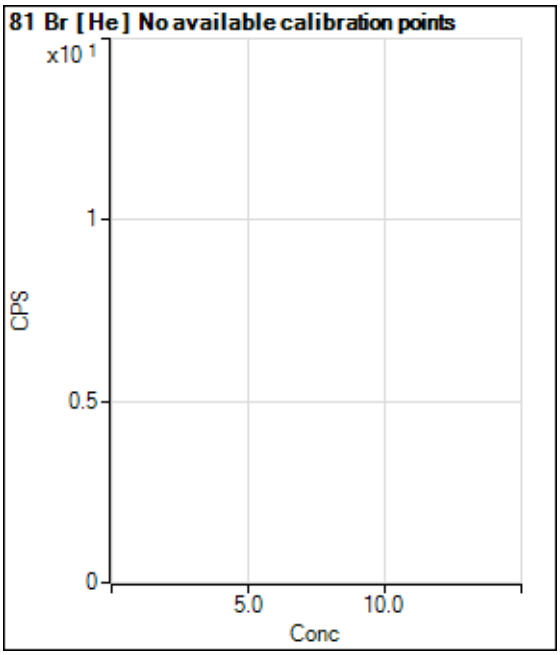
y = 1.5075E-005 * x + 8.6989E-005
R = 0.9999
DL = 4.018
BEC = 5.77

Weight: <None>
Min Conc: 0

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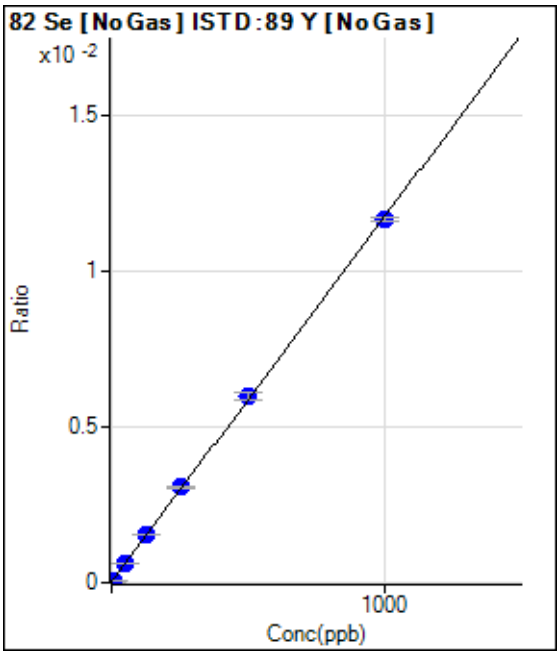


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			7865.50		P	0.7
2	☐			7815.48		P	2.1
3	☐			7301.87		P	1.3
4	☐			6781.62		P	1.3
5	☐			6492.60		P	2.8
6	☐			6163.56		P	1.9
7	☐			6238.04		P	3.0
8	☐			6348.10		P	1.3



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			34.45		P	39.1
2	☐			43.34		P	13.3
3	☐			12.22		P	31.5
4	☐			22.22		P	8.7
5	☐			21.11		P	39.7
6	☐			21.11		P	71.2
7	☐			15.56		P	75.3
8	☐			23.34		P	24.7

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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	120.62	0.0000	P	18.5
2	☐	5.000	4.879	405.31	0.0001	P	10.2
3	☐	50.000	52.066	3144.10	0.0006	P	2.6
4	☐	125.000	131.652	7490.14	0.0016	P	0.7
5	☐	250.000	260.029	14125.45	0.0031	P	1.6
6	☐	500.000	509.042	27040.65	0.0060	P	3.5
7	☐	1000.000	992.037	52582.63	0.0116	P	1.2
8	☐			141.89	0.0000	P	9.6

y = 1.1712E-005 * x + 2.5107E-005

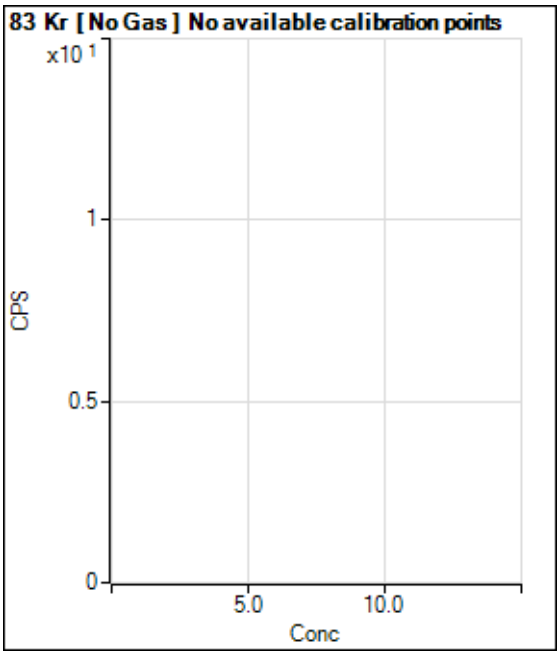
R = 0.9999

DL = 1.187

BEC = 2.144

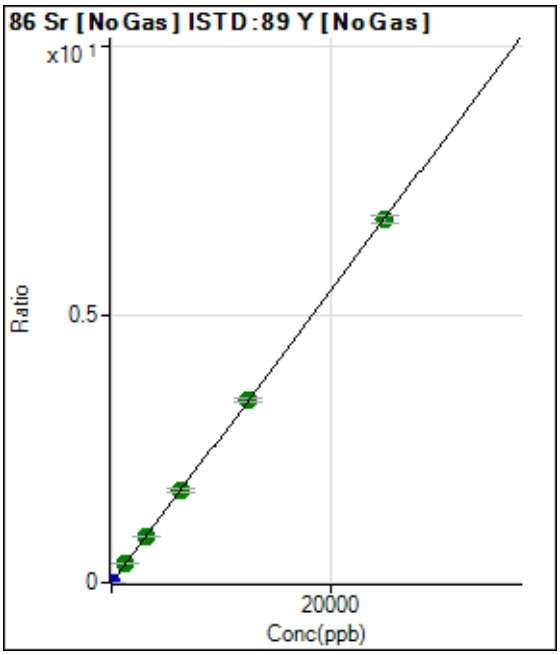
Weight: <None>

Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			63.34		P	18.2
2	☐			70.00		P	21.8
3	☐			67.78		P	28.4
4	☐			78.89		P	28.1
5	☐			67.78		P	27.1
6	☐			91.11		P	2.1
7	☐			66.67		P	18.0
8	☐			95.56		P	10.1

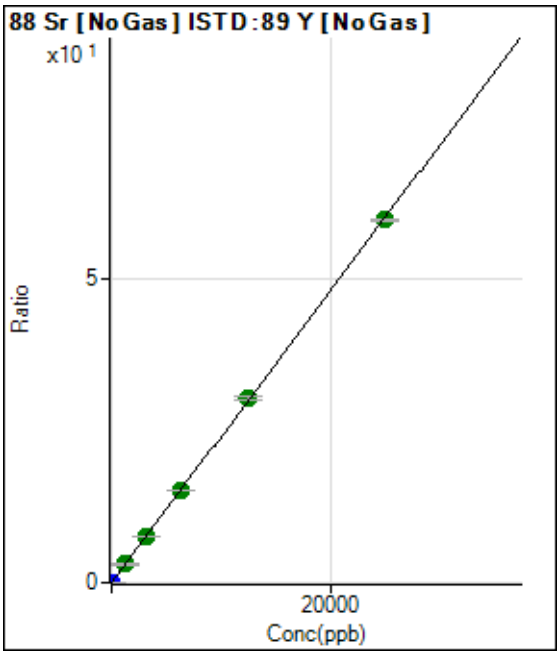
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	136.67	0.0000	P	11.2
2	☐	1.000	1.007	1486.76	0.0003	P	7.1
3	☐	1250.000	1270.922	1707825.62	0.3449	A	1.1
4	☐	3125.000	3214.612	4169045.94	0.8722	A	1.0
5	☐	6250.000	6341.609	7914713.28	1.7206	A	2.3
6	☐	12500.000	12578.819	15418109.07	3.4129	A	2.0
7	☐	25000.000	24925.441	30539624.27	6.7627	A	2.0
8	☐			5199.85	0.0012	P	1.0

y = 2.7132E-004 * x + 2.8658E-005
R = 1.0000
DL = 0.03556
BEC = 0.1056

Weight: <None>
Min Conc: 0

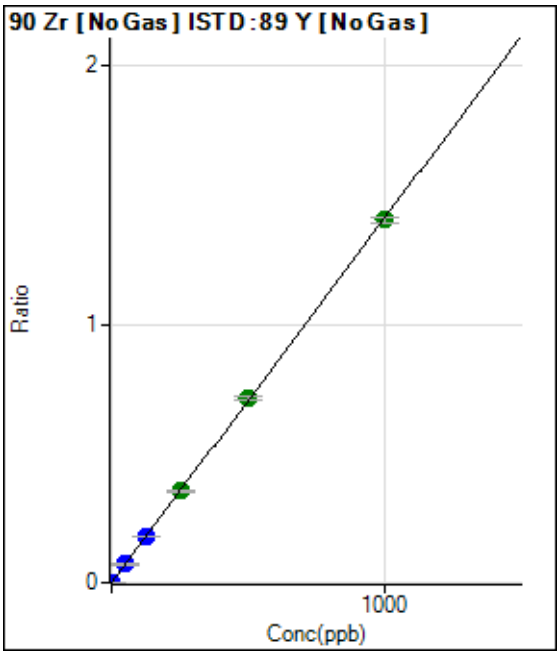


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	167.78	0.0000	P	9.3
2	☐	1.000	0.981	11736.98	0.0024	P	1.8
3	☐	1250.000	1254.428	14859798.11	3.0005	A	0.5
4	☐	3125.000	3175.559	36305130.02	7.5955	A	0.2
5	☐	6250.000	6343.291	69797016.18	15.1723	A	1.7
6	☐	12500.000	12645.892	136638035.7	30.2473	A	2.4
7	☐	25000.000	24897.190	268932924.8	59.5507	A	0.8
8	☐			44341.12	0.0105	P	4.3

y = 0.0024 * x + 3.4991E-005
R = 1.0000
DL = 0.004098
BEC = 0.01463

Weight: <None>
Min Conc: 0

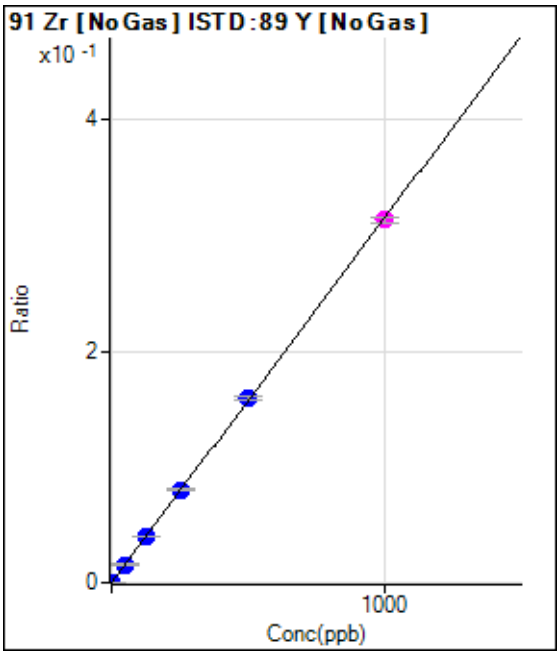
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	176.67	0.0000	P	19.7
2	☐	1.000	0.967	6902.78	0.0014	P	2.7
3	☐	50.000	50.210	350803.25	0.0708	P	1.4
4	☐	125.000	127.590	860100.55	0.1799	P	0.5
5	☐	250.000	253.053	1641544.21	0.3569	A	2.2
6	☐	500.000	506.653	3227592.42	0.7145	A	2.1
7	☐	1000.000	995.576	6339859.56	1.4039	A	1.3
8	☐			3791.64	0.0009	P	1.1

y = 0.0014 * x + 3.6769E-005
R = 1.0000
DL = 0.01541
BEC = 0.02608

Weight: <None>
Min Conc: 0

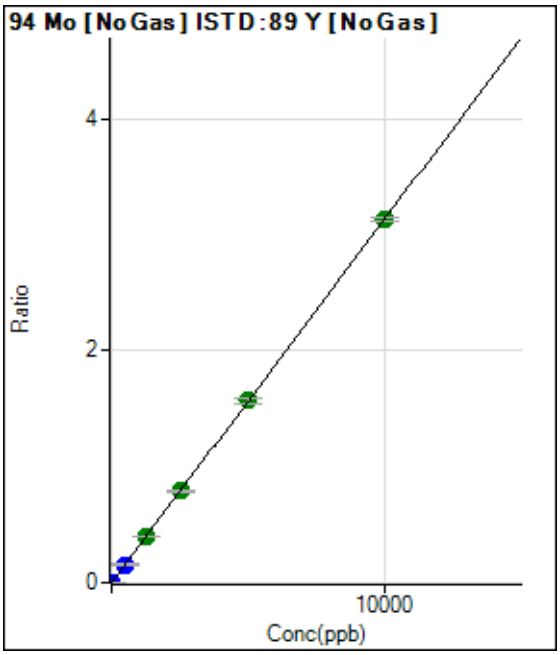


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	31.11	0.0000	P	13.3
2	☐	1.000	0.998	1581.21	0.0003	P	5.2
3	☐	50.000	50.074	78187.73	0.0158	P	0.5
4	☐	125.000	127.605	192248.75	0.0402	P	0.5
5	☐	250.000	254.640	369192.55	0.0803	P	1.9
6	☐	500.000	506.741	721411.99	0.1597	P	2.9
7	☐	1000.000	995.140	1416342.53	0.3136	M	1.3
8	☐			805.59	0.0002	P	0.5

y = 3.1515E-004 * x + 6.4867E-006
R = 1.0000
DL = 0.008231
BEC = 0.02058

Weight: <None>
Min Conc: 0

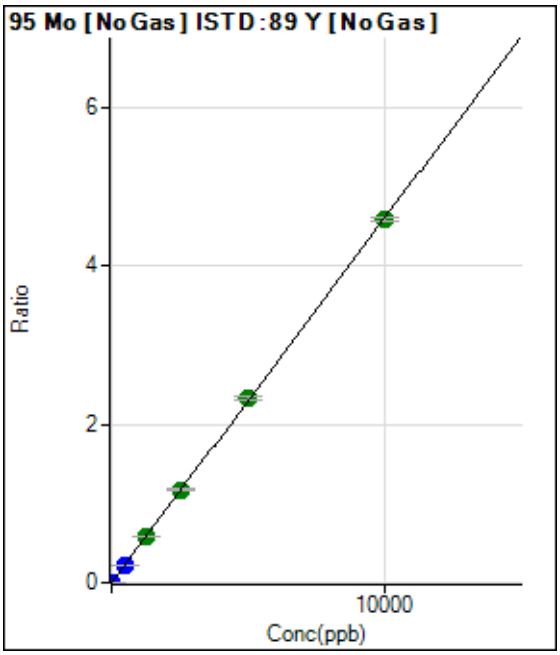
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	86.66	0.0000	P	5.6
2	☐	5.000	5.253	8202.36	0.0017	P	3.2
3	☐	500.000	501.638	778872.46	0.1573	P	0.9
4	☐	1250.000	1273.245	1907842.09	0.3992	A	1.0
5	☐	2500.000	2522.164	3637324.53	0.7907	A	1.5
6	☐	5000.000	5015.439	7101864.96	1.5723	A	3.2
7	☐	10000.000	9983.752	14133879.37	3.1297	A	1.0
8	☐			3707.17	0.0009	P	1.1

y = 3.1348E-004 * x + 1.8117E-005
R = 1.0000
DL = 0.009767
BEC = 0.05779

Weight: <None>
Min Conc: 0

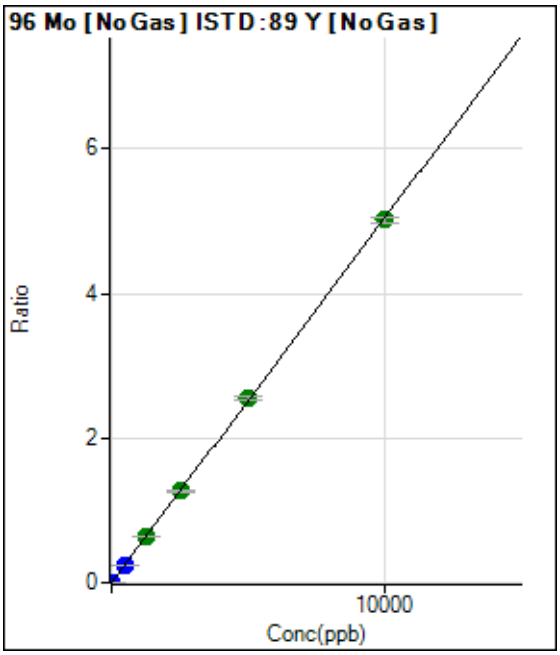


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	51.11	0.0000	P	27.5
2	☐	5.000	4.386	9989.05	0.0020	P	0.6
3	☐	500.000	497.570	1132965.71	0.2288	P	1.2
4	☐	1250.000	1263.868	2777460.34	0.5811	A	0.5
5	☐	2500.000	2550.911	5394877.70	1.1728	A	2.4
6	☐	5000.000	5052.967	10494544.29	2.3232	A	2.4
7	☐	10000.000	9959.177	20678088.03	4.5789	A	1.1
8	☐			3570.47	0.0008	P	2.2

y = 4.5976E-004 * x + 1.0766E-005
R = 1.0000
DL = 0.0193
BEC = 0.02342

Weight: <None>
Min Conc: 0

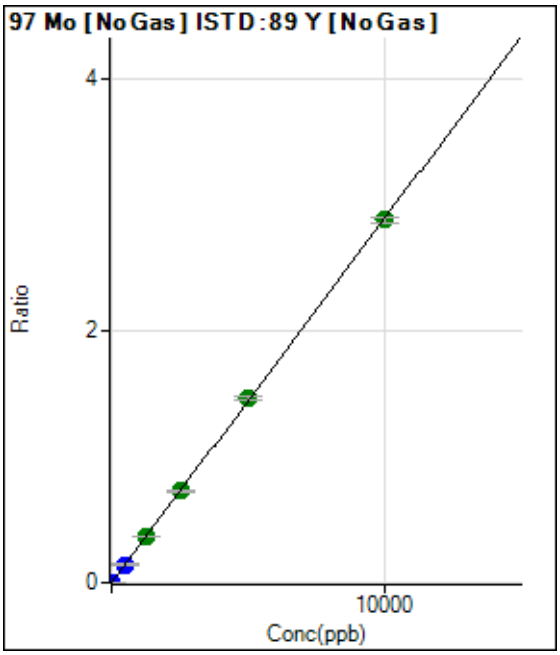
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	51.11	0.0000	P	3.1
2	☐	5.000	4.486	11191.04	0.0023	P	2.0
3	☐	500.000	498.026	1242857.12	0.2510	P	1.0
4	☐	1250.000	1272.638	3065225.44	0.6413	A	0.2
5	☐	2500.000	2517.082	5834991.09	1.2683	A	1.2
6	☐	5000.000	5071.147	11543593.30	2.5553	A	2.3
7	☐	10000.000	9957.425	22658499.94	5.0175	A	1.4
8	☐			7145.15	0.0017	P	4.7

y = 5.0389E-004 * x + 1.0671E-005
R = 1.0000
DL = 0.001954
BEC = 0.02118

Weight: <None>
Min Conc: 0

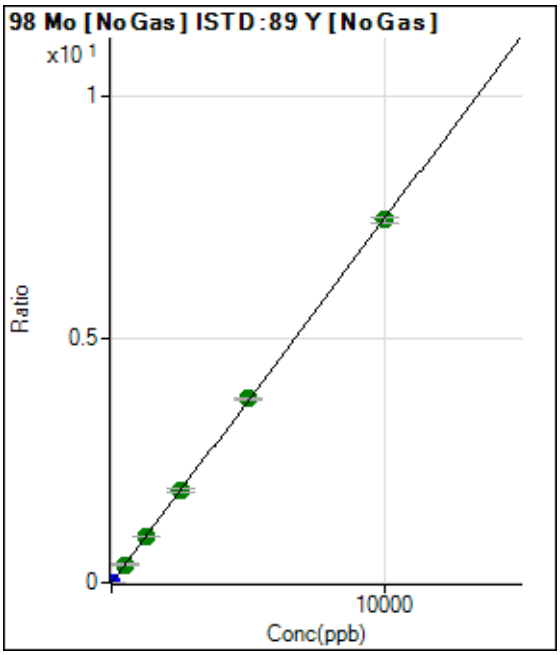


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	26.66	0.0000	P	40.4
2	☐	5.000	4.440	6357.00	0.0013	P	2.4
3	☐	500.000	500.354	716966.26	0.1448	P	1.1
4	☐	1250.000	1266.350	1751274.77	0.3664	A	0.6
5	☐	2500.000	2520.641	3354973.77	0.7293	A	1.6
6	☐	5000.000	5056.740	6609473.30	1.4631	A	2.1
7	☐	10000.000	9964.408	13019250.92	2.8830	A	1.7
8	☐			2245.75	0.0005	P	5.8

y = 2.8933E-004 * x + 5.5048E-006
R = 1.0000
DL = 0.02303
BEC = 0.01903

Weight: <None>
Min Conc: 0

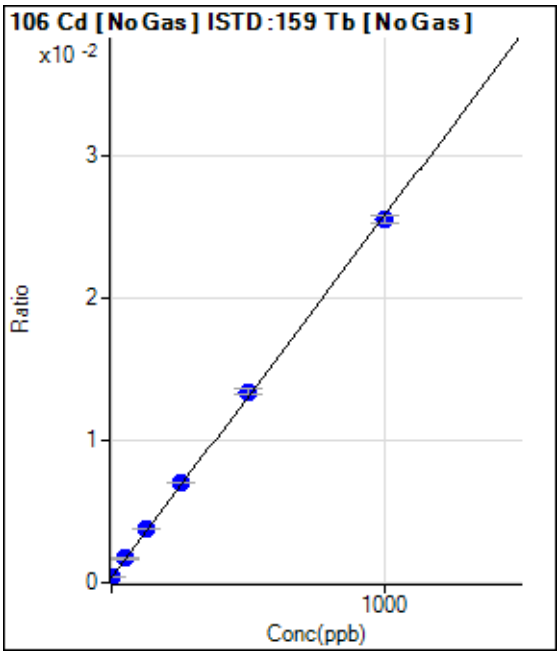
Reviewed By:Mohan
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	54.44	0.0000	P	20.3
2	☐	5.000	4.406	16273.62	0.0033	P	1.4
3	☐	500.000	500.534	1851696.61	0.3739	A	0.8
4	☐	1250.000	1270.914	4537630.00	0.9493	A	0.3
5	☐	2500.000	2537.151	8717513.76	1.8951	A	2.4
6	☐	5000.000	5044.712	17023750.44	3.7682	A	1.9
7	☐	10000.000	9965.715	33615790.33	7.4439	A	1.9
8	☐			5421.05	0.0013	P	2.2

y = 7.4695E-004 * x + 1.1426E-005
R = 1.0000
DL = 0.009309
BEC = 0.0153

Weight: <None>
Min Conc: 0

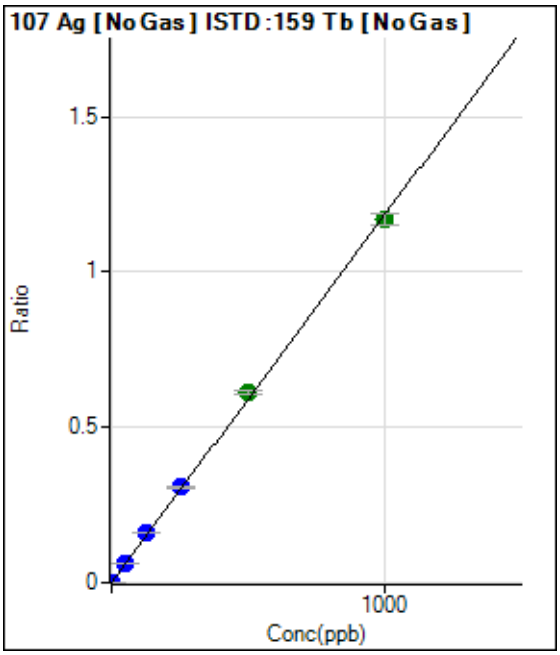


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1422.31	0.0004	P	3.8
2	☐	1.000	1.501	1605.66	0.0004	P	9.2
3	☐	50.000	52.595	6919.49	0.0017	P	3.0
4	☐	125.000	134.421	15117.94	0.0038	P	2.4
5	☐	250.000	262.795	28062.70	0.0071	P	0.8
6	☐	500.000	514.428	53101.01	0.0135	P	2.5
7	☐	1000.000	988.279	102309.15	0.0255	P	2.3
8	☐			1268.96	0.0003	P	7.3

y = 2.5465E-005 * x + 3.5789E-004
R = 0.9997
DL = 1.585
BEC = 14.05

Weight: <None>
Min Conc: 0

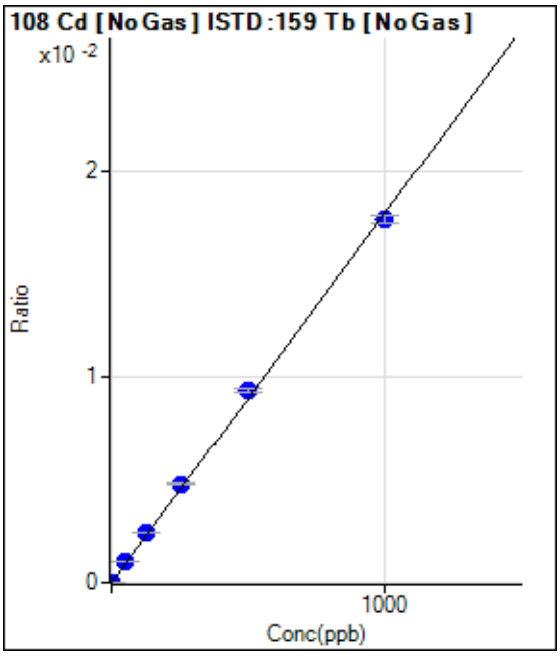
Reviewed By:Mohan
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	30.00	0.0000	P	56.6
2	☐	1.000	1.026	4946.45	0.0012	P	2.2
3	☐	50.000	54.447	262481.41	0.0644	P	0.9
4	☐	125.000	134.833	637467.79	0.1594	P	0.7
5	☐	250.000	260.065	1223791.42	0.3075	P	1.3
6	☐	500.000	517.354	2413527.20	0.6116	A	2.2
7	☐	1000.000	987.355	4678451.39	1.1673	A	3.0
8	☐			595.57	0.0002	P	9.5

y = 0.0012 * x + 7.7103E-006
R = 0.9997
DL = 0.01107
BEC = 0.006522

Weight: <None>
Min Conc: 0

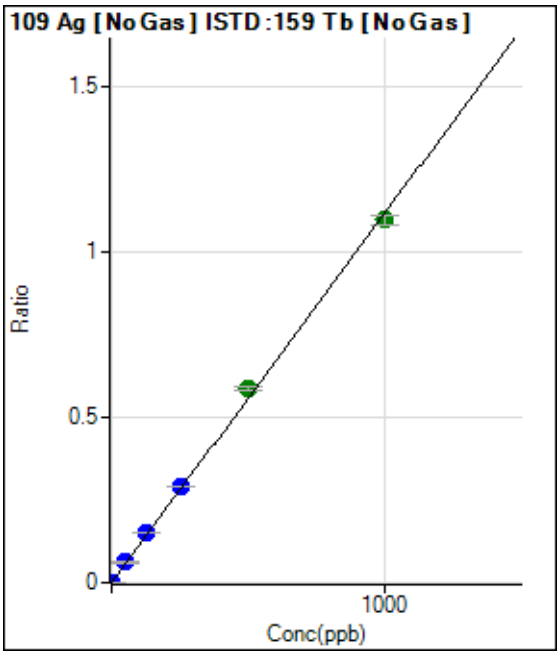


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	6.67	0.0000	P	46.6
2	☐	1.000	1.026	81.11	0.0000	P	6.2
3	☐	50.000	56.140	4100.62	0.0010	P	2.5
4	☐	125.000	135.823	9721.12	0.0024	P	1.2
5	☐	250.000	267.679	19061.47	0.0048	P	1.8
6	☐	500.000	520.391	36732.03	0.0093	P	1.7
7	☐	1000.000	983.725	70527.92	0.0176	P	2.0
8	☐			35.56	0.0000	P	26.1

y = 1.7885E-005 * x + 1.6546E-006
R = 0.9995
DL = 0.1294
BEC = 0.09252

Weight: <None>
Min Conc: 0

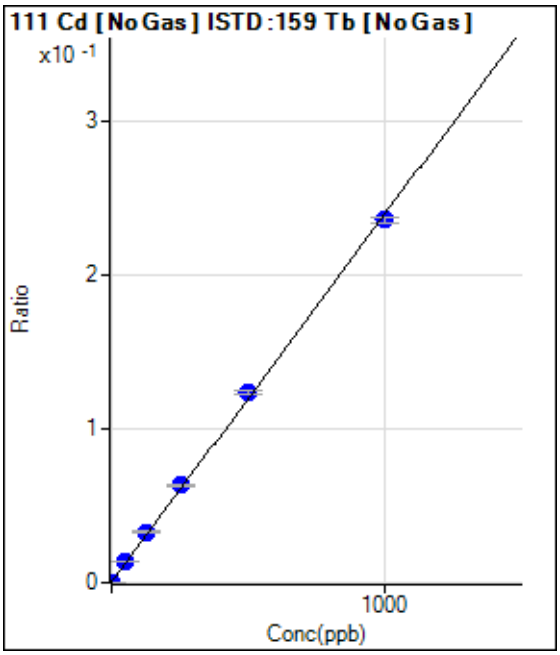
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	12.22	0.0000	P	53.9
2	☐	1.000	0.993	4504.08	0.0011	P	1.1
3	☐	50.000	54.761	249233.05	0.0611	P	1.5
4	☐	125.000	135.498	604824.17	0.1513	P	0.8
5	☐	250.000	259.524	1153078.23	0.2897	P	0.9
6	☐	500.000	525.962	2316654.46	0.5871	A	2.0
7	☐	1000.000	983.088	4398498.65	1.0974	A	2.3
8	☐			540.01	0.0001	P	8.2

y = 0.0011 * x + 3.0644E-006
R = 0.9994
DL = 0.004443
BEC = 0.002745

Weight: <None>
Min Conc: 0

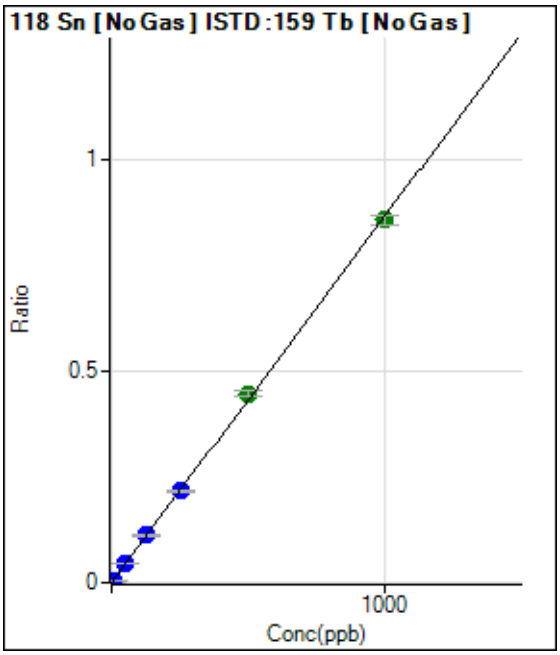


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	992.06	0.0002	P	3.6
2	☐	1.000	1.196	2171.68	0.0005	P	4.4
3	☐	50.000	54.737	54403.32	0.0133	P	1.2
4	☐	125.000	137.005	132050.76	0.0330	P	1.1
5	☐	250.000	263.653	252020.26	0.0633	P	1.5
6	☐	500.000	518.098	490021.92	0.1242	P	2.0
7	☐	1000.000	985.800	946233.49	0.2361	P	1.8
8	☐			1082.28	0.0003	P	8.7

y = 2.3921E-004 * x + 2.4966E-004
R = 0.9996
DL = 0.1123
BEC = 1.044

Weight: <None>
Min Conc: 0

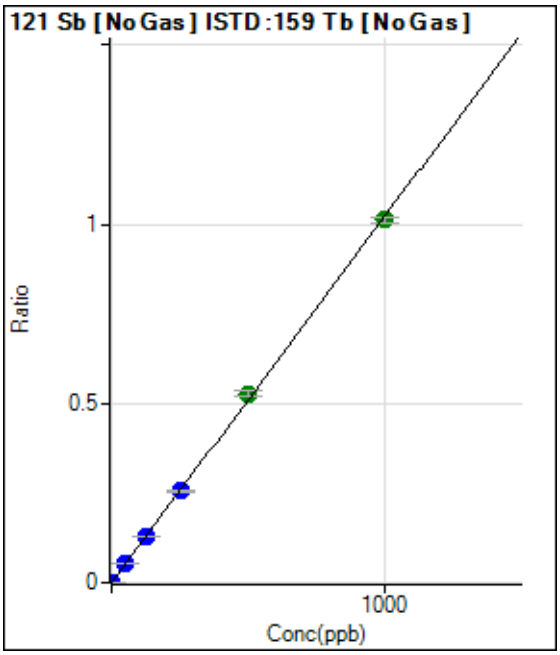
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	746.69	0.0002	P	10.1
2	☐	5.000	4.832	17722.10	0.0044	P	1.0
3	☐	50.000	51.580	182858.48	0.0449	P	2.1
4	☐	125.000	128.861	446924.57	0.1118	P	1.1
5	☐	250.000	250.209	863064.71	0.2168	P	1.4
6	☐	500.000	516.267	1764514.28	0.4472	A	2.8
7	☐	1000.000	991.253	3441048.25	0.8585	A	2.6
8	☐			2139.07	0.0006	P	7.7

y = 8.6588E-004 * x + 1.8875E-004
R = 0.9998
DL = 0.06589
BEC = 0.218

Weight: <None>
Min Conc: 0

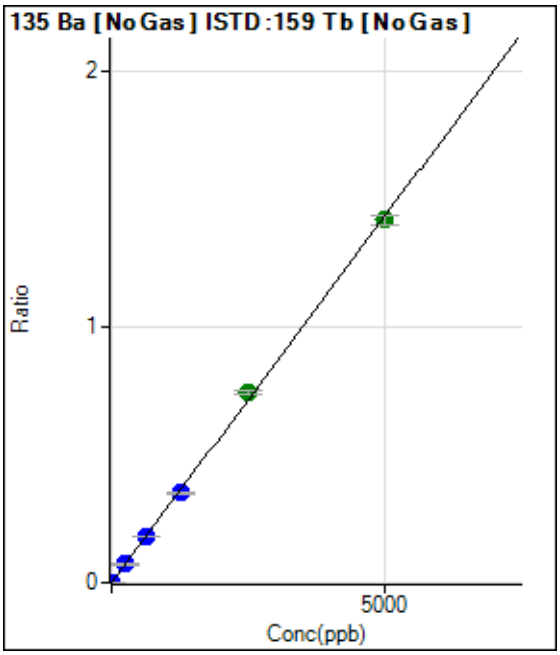


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	11.11	0.0000	P	65.5
2	☐	2.000	2.013	8339.15	0.0021	P	1.5
3	☐	50.000	50.874	211751.09	0.0519	P	1.6
4	☐	125.000	128.013	522564.30	0.1307	P	1.0
5	☐	250.000	250.096	1016179.64	0.2553	P	1.4
6	☐	500.000	516.638	2080961.43	0.5274	A	2.6
7	☐	1000.000	991.236	4056211.33	1.0119	A	1.8
8	☐			2916.99	0.0008	P	3.8

y = 0.0010 * x + 2.8512E-006
R = 0.9998
DL = 0.005491
BEC = 0.002793

Weight: <None>
Min Conc: 0

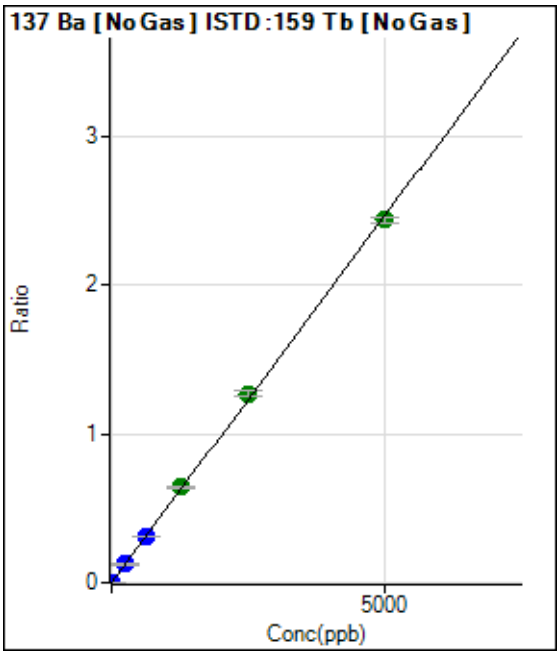
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	27.78	0.0000	P	47.5
2	☐	10.000	9.670	11222.28	0.0028	P	3.1
3	☐	250.000	249.688	290806.00	0.0713	P	1.1
4	☐	625.000	624.816	713642.83	0.1785	P	1.3
5	☐	1250.000	1222.649	1390013.00	0.3492	P	1.2
6	☐	2500.000	2599.541	2929845.24	0.7425	A	2.0
7	☐	5000.000	4957.107	5674869.36	1.4159	A	2.5
8	☐			2854.76	0.0008	P	5.0

y = 2.8563E-004 * x + 7.1093E-006
R = 0.9997
DL = 0.03547
BEC = 0.02489

Weight: <None>
Min Conc: 0

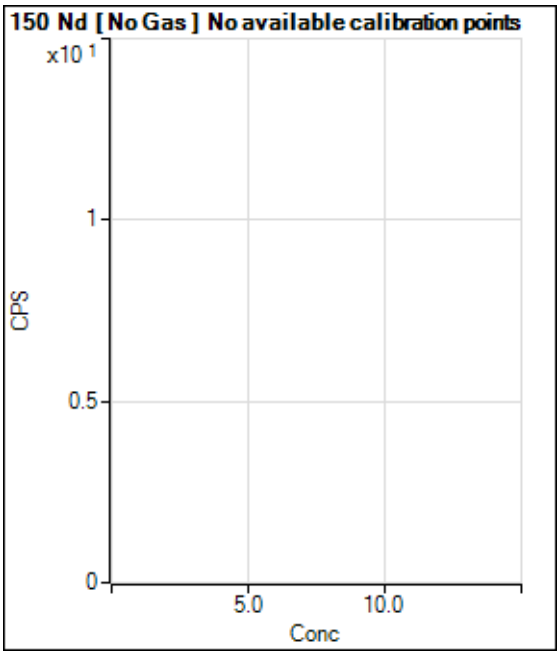


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	44.44	0.0000	P	25.8
2	☐	10.000	9.451	18913.75	0.0047	P	1.4
3	☐	250.000	249.558	501226.32	0.1229	P	1.3
4	☐	625.000	627.983	1236936.53	0.3093	P	1.0
5	☐	1250.000	1305.680	2559871.16	0.6431	A	1.1
6	☐	2500.000	2573.464	5001546.00	1.2676	A	2.9
7	☐	5000.000	4948.999	9771489.78	2.4377	A	1.5
8	☐			5029.83	0.0013	P	2.5

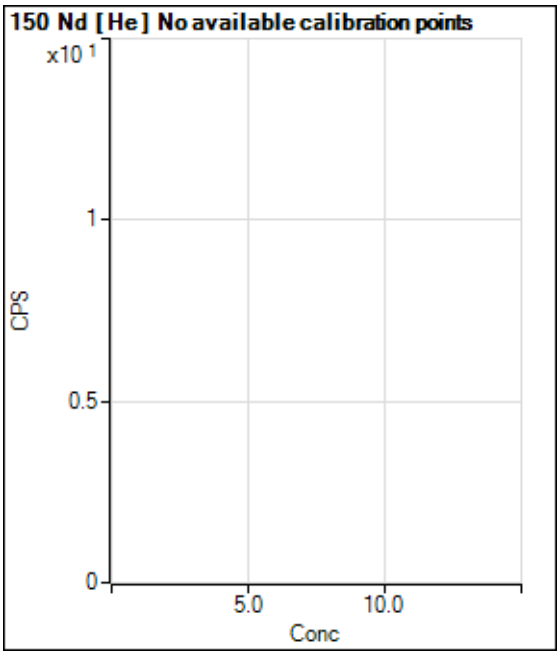
y = 4.9256E-004 * x + 1.1212E-005
R = 0.9998
DL = 0.01765
BEC = 0.02276

Weight: <None>
Min Conc: 0

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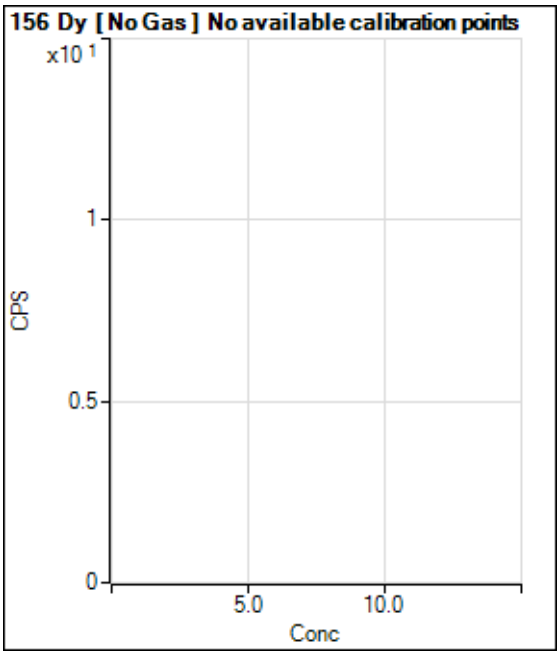


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			3.33		P	173.
2	☐			2.22		P	86.6
3	☐			24.44		P	41.7
4	☐			54.44		P	27.6
5	☐			110.00		P	29.8
6	☐			258.90		P	7.4
7	☐			445.57		P	2.3
8	☐			103.34		P	22.6

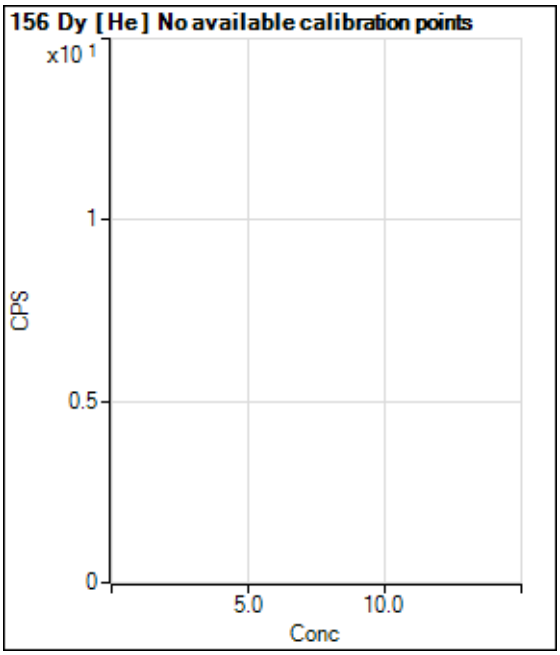


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			0.00		P	
2	☐			1.11		P	173.
3	☐			3.33		P	173.
4	☐			8.89		P	21.6
5	☐			24.45		P	43.8
6	☐			46.67		P	51.5
7	☐			86.67		P	44.4
8	☐			62.22		P	35.7

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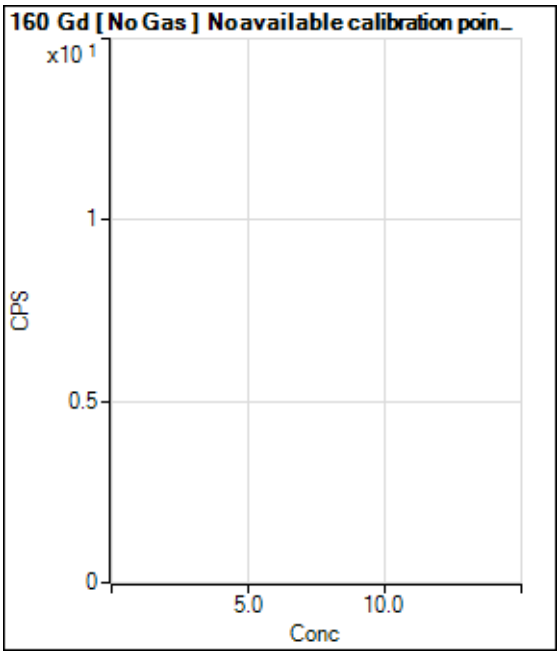


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			7.78		P	99.0
2	☐			12.22		P	56.8
3	☐			18.89		P	53.9
4	☐			23.33		P	28.6
5	☐			38.89		P	35.7
6	☐			77.78		P	13.1
7	☐			124.44		P	15.5
8	☐			165.56		P	17.4

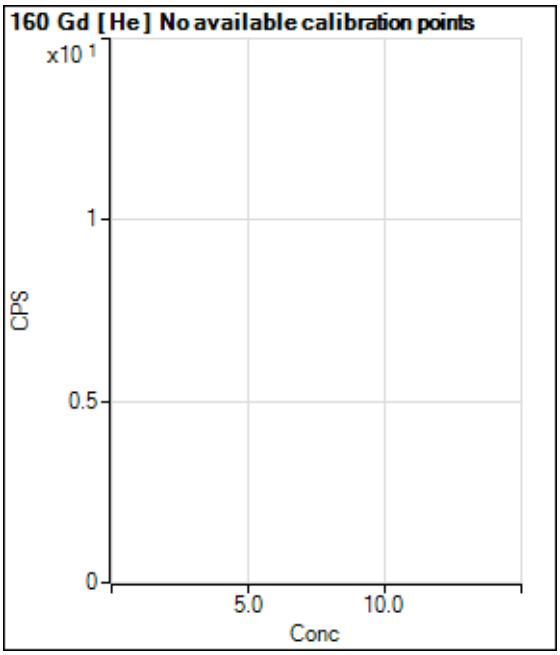


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			1.11		P	173.
2	☐			5.55		P	69.3
3	☐			18.89		P	27.0
4	☐			28.89		P	17.6
5	☐			62.22		P	8.2
6	☐			121.11		P	26.0
7	☐			276.67		P	7.5
8	☐			114.45		P	37.5

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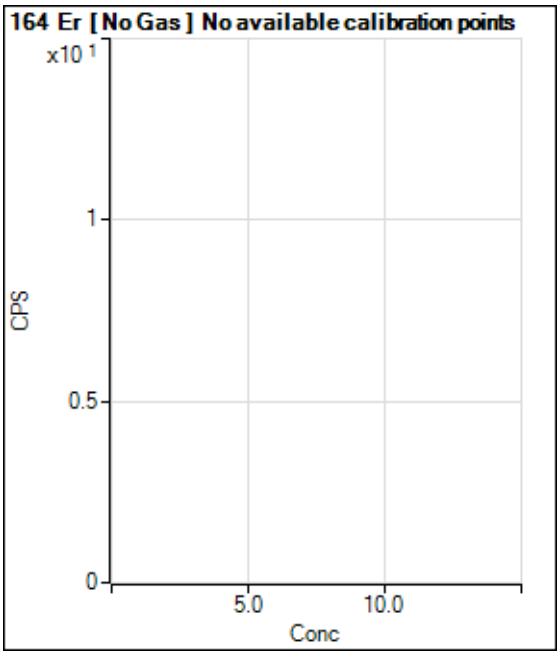


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			11.11		P	17.3
2	☐			20.00		P	101.
3	☐			11.11		P	17.3
4	☐			22.22		P	43.3
5	☐			22.22		P	34.7
6	☐			35.55		P	30.1
7	☐			61.11		P	17.5
8	☐			133.33		P	34.7

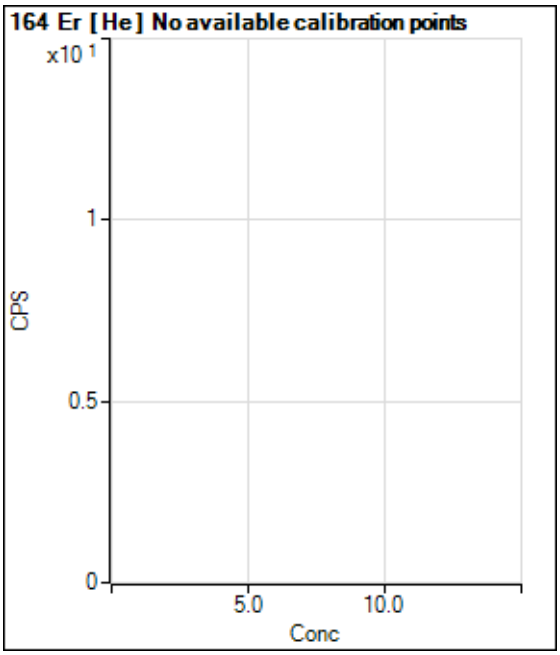


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			105.56		P	20.5
2	☐			110.00		P	31.6
3	☐			105.56		P	14.9
4	☐			114.45		P	13.8
5	☐			121.11		P	15.7
6	☐			130.00		P	11.2
7	☐			121.12		P	11.1
8	☐			146.67		P	17.2

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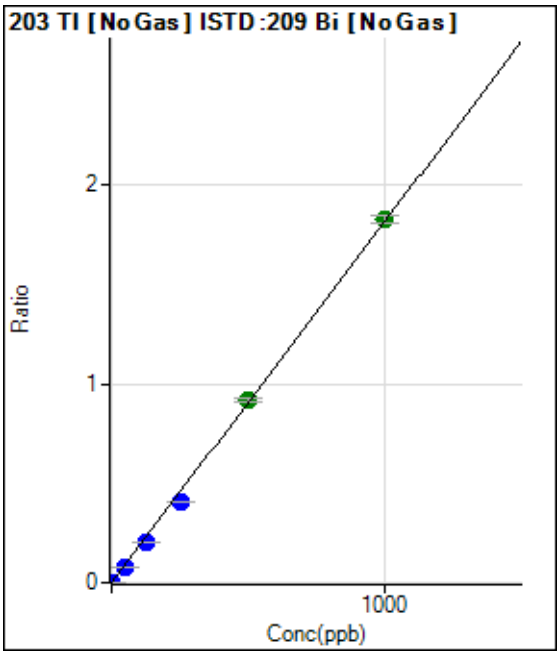


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			16.67		P	20.0
2	☐			12.22		P	41.7
3	☐			17.78		P	10.8
4	☐			18.89		P	20.4
5	☐			28.89		P	13.3
6	☐			35.55		P	37.9
7	☐			56.66		P	40.8
8	☐			183.34		P	25.3



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			8.89		P	57.3
2	☐			4.44		P	43.4
3	☐			10.00		P	66.7
4	☐			8.89		P	43.3
5	☐			14.44		P	81.1
6	☐			24.44		P	31.5
7	☐			38.89		P	17.8
8	☐			121.11		P	34.9

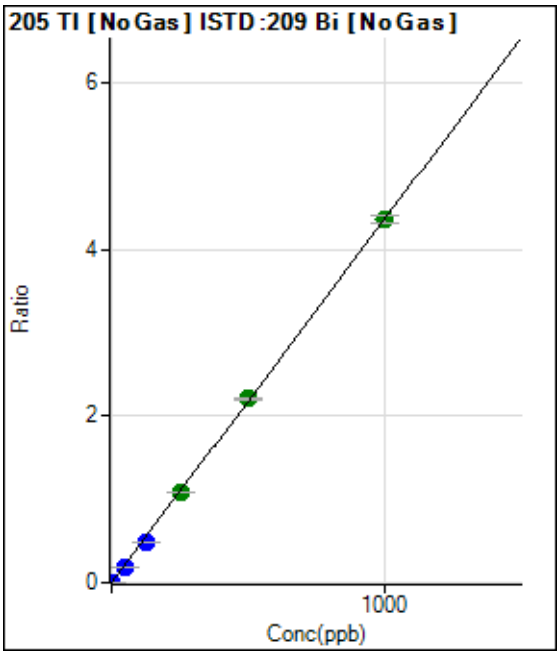
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	32.22	0.0000	P	10.5
2	☐	1.000	0.839	3660.54	0.0015	P	4.2
3	☐	50.000	44.832	195514.08	0.0815	P	1.1
4	☐	125.000	112.771	486539.45	0.2049	P	1.2
5	☐	250.000	223.454	963045.34	0.4061	P	1.5
6	☐	500.000	506.215	2162027.21	0.9199	A	2.8
7	☐	1000.000	1005.316	4293133.44	1.8269	A	2.1
8	☐			444.46	0.0002	P	8.1

y = 0.0018 * x + 1.3886E-005
R = 0.9996
DL = 0.00241
BEC = 0.007641

Weight: <None>
Min Conc: 0

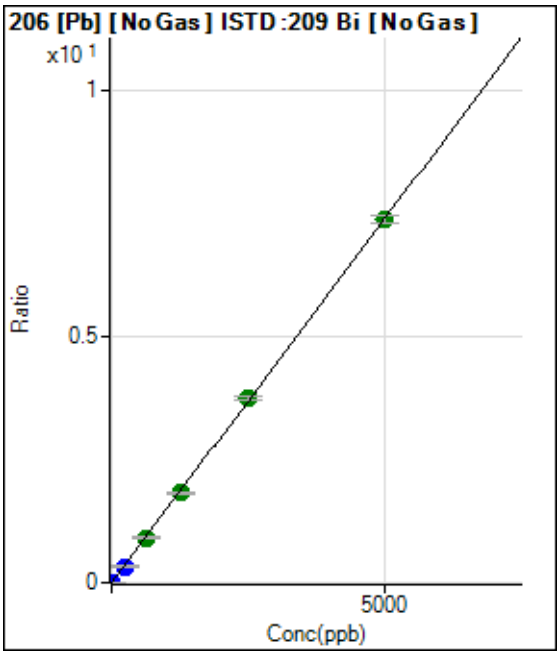


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	65.56	0.0000	P	49.7
2	☐	1.000	0.855	8930.79	0.0038	P	2.9
3	☐	50.000	44.083	460877.89	0.1921	P	1.2
4	☐	125.000	111.882	1157242.15	0.4875	P	1.4
5	☐	250.000	249.699	2580072.46	1.0879	A	1.4
6	☐	500.000	506.644	5188388.01	2.2074	A	1.5
7	☐	1000.000	998.689	10224531.10	4.3511	A	2.2
8	☐			1092.28	0.0005	P	13.8

y = 0.0044 * x + 2.8765E-005
R = 0.9999
DL = 0.00984
BEC = 0.006602

Weight: <None>
Min Conc: 0

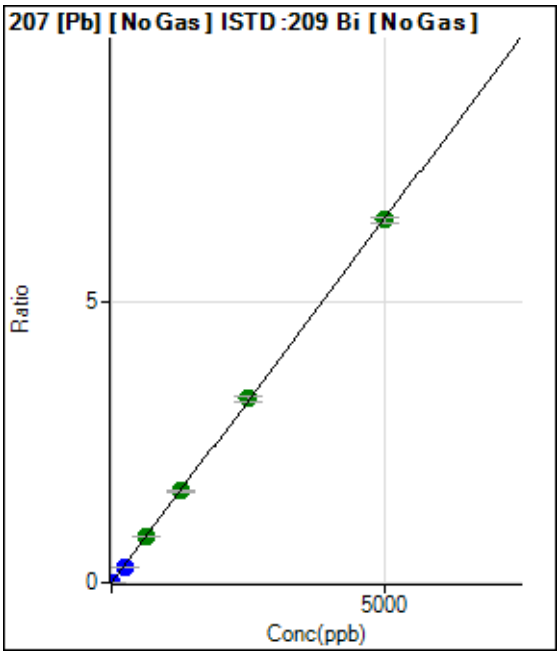
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	395.57	0.0002	P	19.6
2	☐	1.000	0.797	3207.07	0.0013	P	1.1
3	☐	250.000	223.691	793352.21	0.3307	P	1.4
4	☐	625.000	619.680	2173769.67	0.9157	A	1.7
5	☐	1250.000	1236.028	4330978.93	1.8263	A	2.1
6	☐	2500.000	2531.391	8790153.83	3.7401	A	2.5
7	☐	5000.000	4989.778	17324041.41	7.3722	A	1.9
8	☐			3436.02	0.0017	P	5.1

y = 0.0015 * x + 1.7148E-004
R = 1.0000
DL = 0.06831
BEC = 0.1161

Weight: <None>
Min Conc: 0

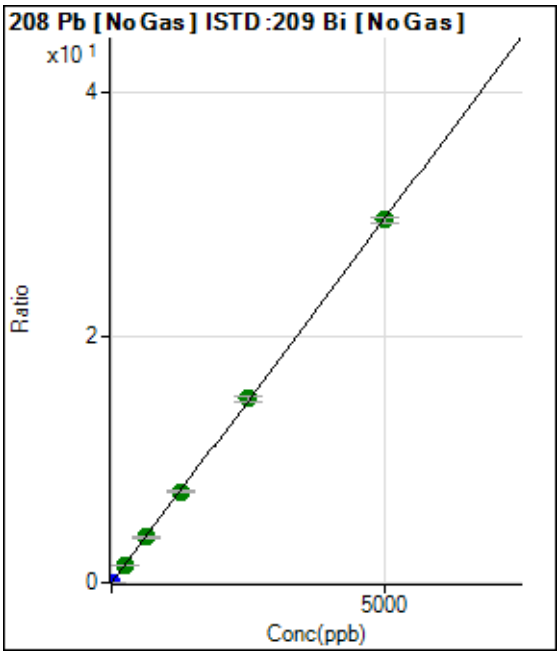


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	356.68	0.0002	P	6.8
2	☐	1.000	0.788	2794.76	0.0012	P	3.9
3	☐	250.000	220.604	686458.32	0.2861	P	1.7
4	☐	625.000	627.458	1931383.57	0.8135	A	0.5
5	☐	1250.000	1263.469	3884207.13	1.6379	A	2.1
6	☐	2500.000	2526.587	7696978.22	3.2753	A	3.2
7	☐	5000.000	4984.502	15184062.41	6.4613	A	1.4
8	☐			3062.60	0.0015	P	8.0

y = 0.0013 * x + 1.5406E-004
R = 1.0000
DL = 0.02433
BEC = 0.1189

Weight: <None>
Min Conc: 0

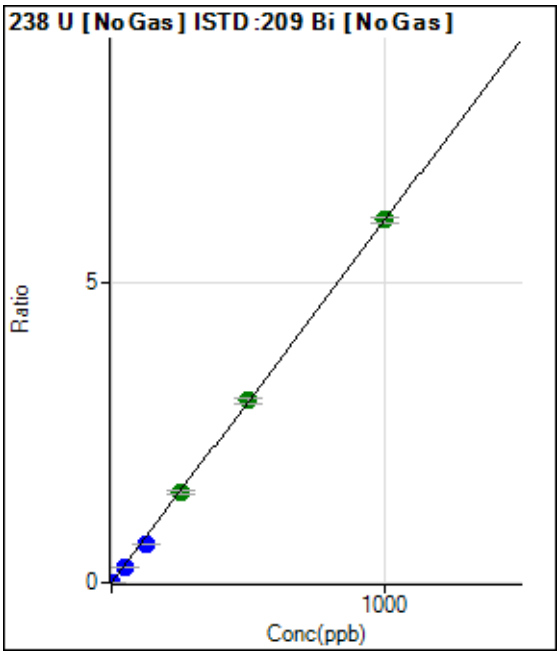
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1680.06	0.0007	P	7.0
2	☐	1.000	0.787	12833.60	0.0054	P	0.3
3	☐	250.000	235.168	3348564.49	1.3957	A	1.8
4	☐	625.000	622.010	8761213.75	3.6904	A	0.9
5	☐	1250.000	1248.108	17559309.11	7.4043	A	1.6
6	☐	2500.000	2528.048	35243427.46	14.9967	A	3.0
7	☐	5000.000	4987.565	69527116.05	29.5862	A	1.3
8	☐			13931.83	0.0068	P	4.6

y = 0.0059 * x + 7.2560E-004
R = 1.0000
DL = 0.02582
BEC = 0.1223

Weight: <None>
Min Conc: 0

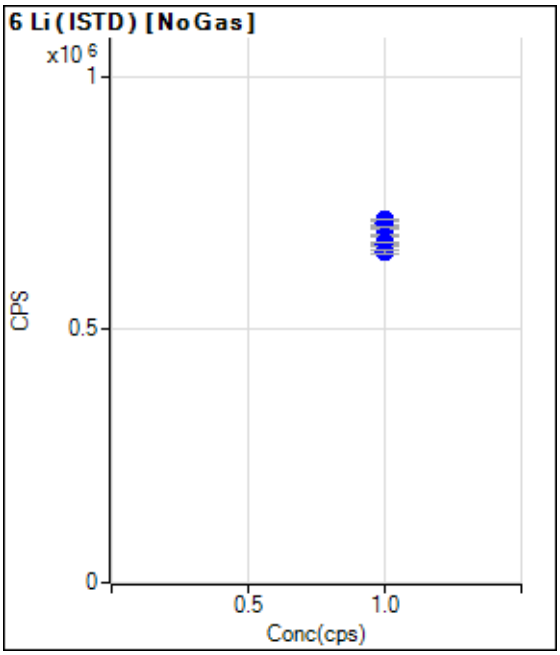


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	10.00	0.0000	P	28.9
2	☐	1.000	0.792	11356.03	0.0048	P	1.4
3	☐	50.000	41.829	604736.29	0.2520	P	0.9
4	☐	125.000	107.456	1537083.92	0.6475	P	1.2
5	☐	250.000	249.359	3562977.45	1.5025	A	2.4
6	☐	500.000	501.910	7107465.38	3.0242	A	2.8
7	☐	1000.000	1001.807	14185154.65	6.0363	A	1.4
8	☐			692.25	0.0003	P	17.0

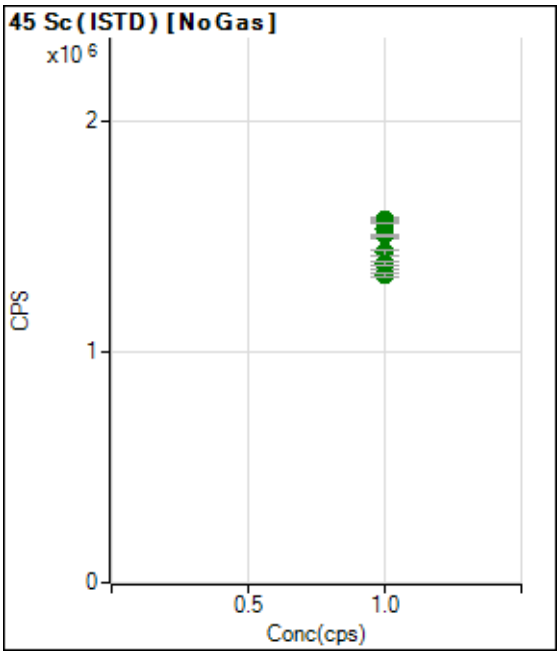
y = 0.0060 * x + 4.2679E-006
R = 0.9998
DL = 0.000615
BEC = 0.0007083

Weight: <None>
Min Conc: 0

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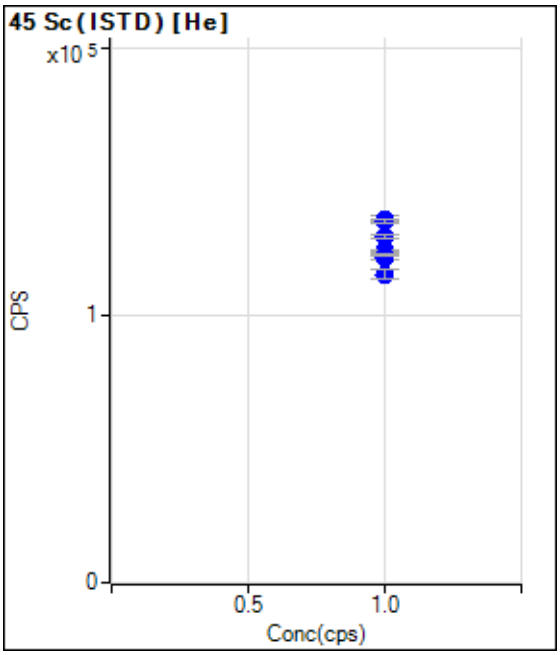


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1	☐	1.000		689626.08		P	4.4
2	☐	1.000		709518.52		P	0.9
3	☐	1.000		717028.03		P	0.2
4	☐	1.000		699973.28		P	0.6
5	☐	1.000		685831.78		P	0.8
6	☐	1.000		671393.70		P	0.9
7	☐	1.000		669582.18		P	0.9
8	☐	1.000		652468.93		P	1.0

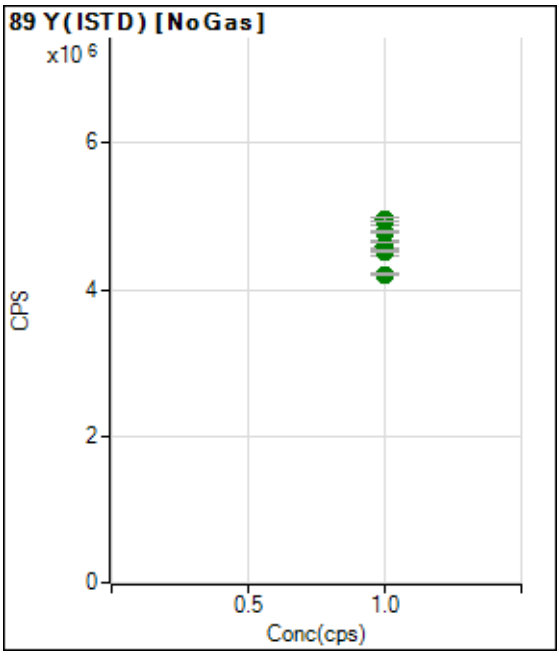


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		1537426.78		A	6.1
2	☐	1.000		1573033.83		A	0.8
3	☐	1.000		1558245.97		A	0.4
4	☐	1.000		1506247.63		A	0.5
5	☐	1.000		1429936.16		A	1.8
6	☐	1.000		1377006.99		A	2.7
7	☐	1.000		1382939.02		A	0.8
8	☐	1.000		1332378.07		A	0.9

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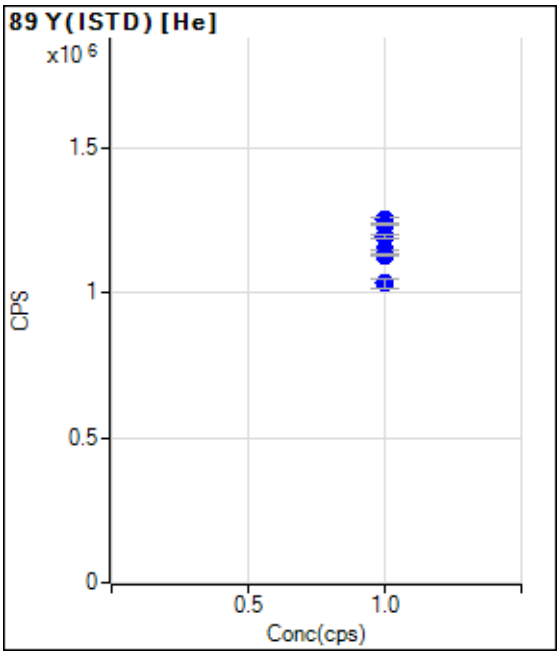


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1	☐	1.000		135807.75		P	2.2
2	☐	1.000		135738.99		P	0.4
3	☐	1.000		135304.21		P	1.0
4	☐	1.000		129632.94		P	1.0
5	☐	1.000		124212.87		P	0.6
6	☐	1.000		121542.41		P	1.0
7	☐	1.000		122522.31		P	0.4
8	☐	1.000		115352.34		P	2.8

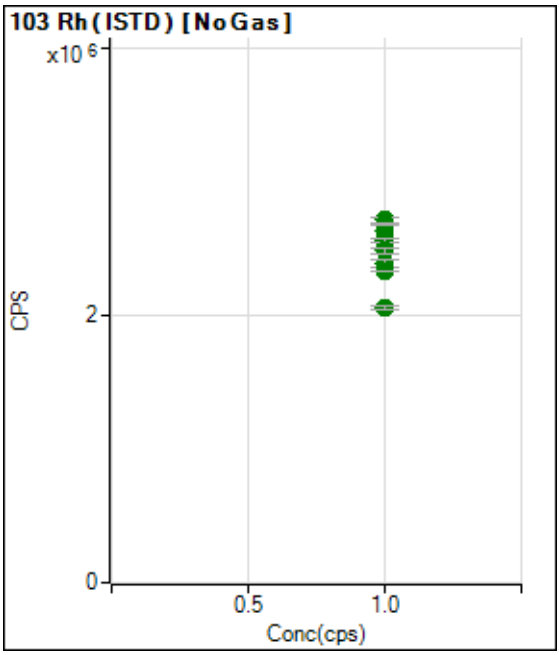


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		4785223.85		A	4.5
2	☐	1.000		4927398.99		A	0.2
3	☐	1.000		4952656.14		A	0.9
4	☐	1.000		4779822.46		A	0.6
5	☐	1.000		4601054.66		A	1.6
6	☐	1.000		4519012.09		A	2.3
7	☐	1.000		4516164.72		A	0.6
8	☐	1.000		4209149.17		A	0.5

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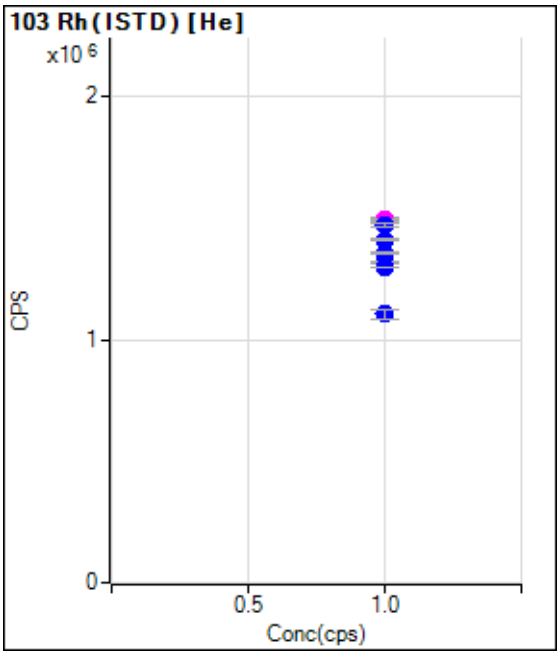


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1	☐	1.000		1251877.37		P	1.9
2	☐	1.000		1235919.86		P	0.1
3	☐	1.000		1237304.16		P	0.8
4	☐	1.000		1194282.22		P	0.8
5	☐	1.000		1148590.78		P	0.2
6	☐	1.000		1130392.14		P	0.5
7	☐	1.000		1131180.17		P	0.2
8	☐	1.000		1031929.43		P	3.8

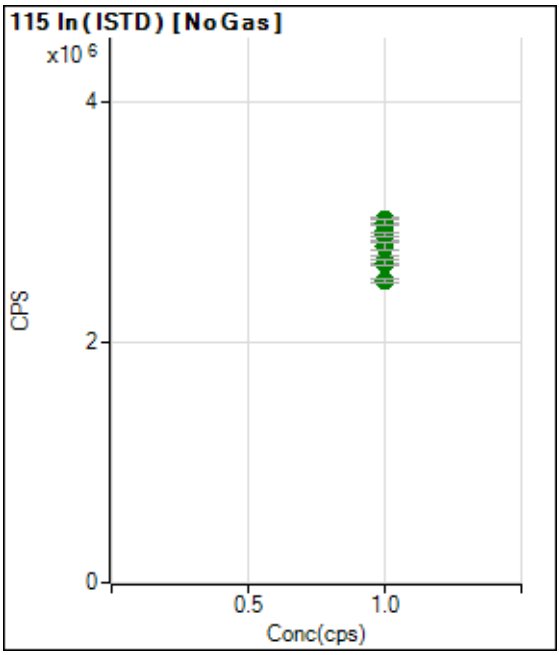


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		2640539.98		A	4.5
2	☐	1.000		2717977.84		A	1.4
3	☐	1.000		2691414.72		A	0.7
4	☐	1.000		2562043.66		A	1.5
5	☐	1.000		2486477.36		A	1.6
6	☐	1.000		2392686.95		A	2.5
7	☐	1.000		2337037.22		A	0.3
8	☐	1.000		2064237.45		A	1.5

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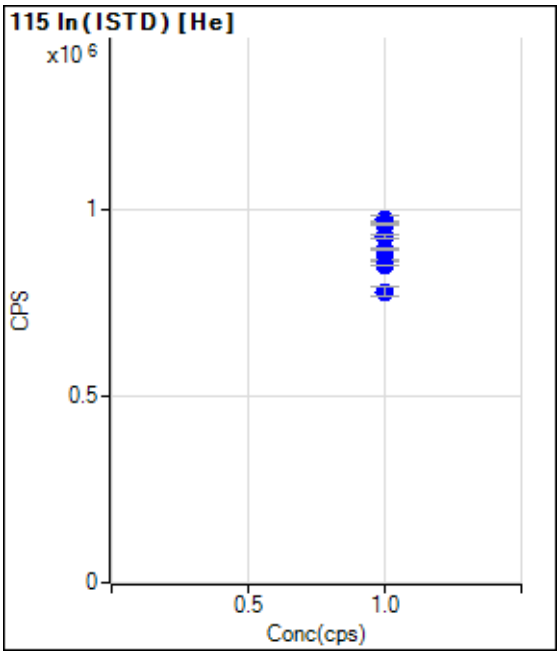


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		1489929.91		P	1.9
2	☐	1.000		1491820.19		M	0.3
3	☐	1.000		1472222.95		P	1.0
4	☐	1.000		1409642.06		P	0.6
5	☐	1.000		1352701.16		P	0.5
6	☐	1.000		1315784.01		P	1.1
7	☐	1.000		1298525.89		P	0.2
8	☐	1.000		1106398.84		P	3.6

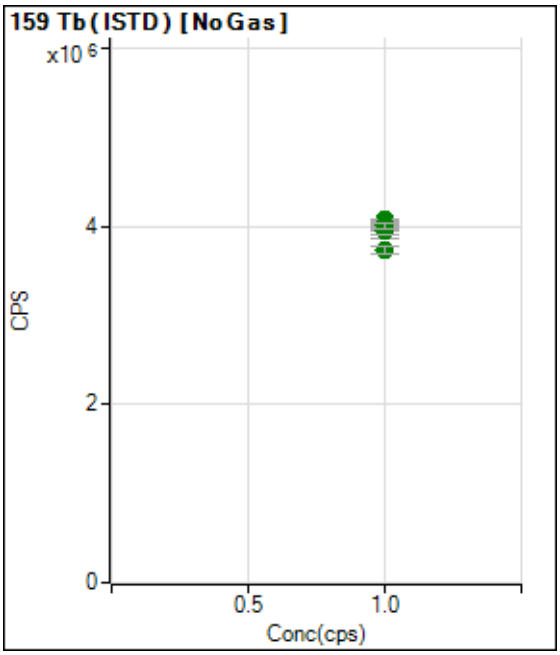


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1	☐	1.000		2921663.09		A	4.7
2	☐	1.000		3016675.06		A	1.4
3	☐	1.000		2997082.59		A	1.2
4	☐	1.000		2900838.68		A	1.1
5	☐	1.000		2794426.48		A	2.3
6	☐	1.000		2689771.90		A	2.5
7	☐	1.000		2661996.12		A	1.3
8	☐	1.000		2506454.08		A	1.3

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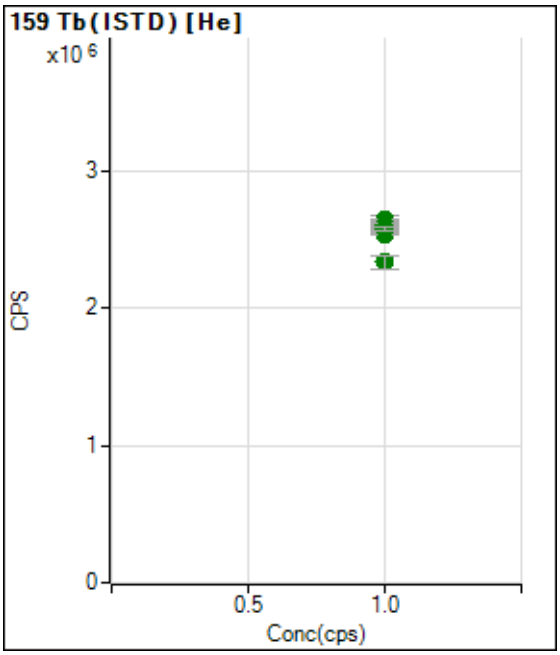


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		974296.63		P	2.1
2	☐	1.000		967494.76		P	0.3
3	☐	1.000		962205.47		P	0.5
4	☐	1.000		928696.20		P	0.8
5	☐	1.000		894866.26		P	0.7
6	☐	1.000		865274.37		P	0.6
7	☐	1.000		850363.61		P	0.2
8	☐	1.000		780312.28		P	3.3

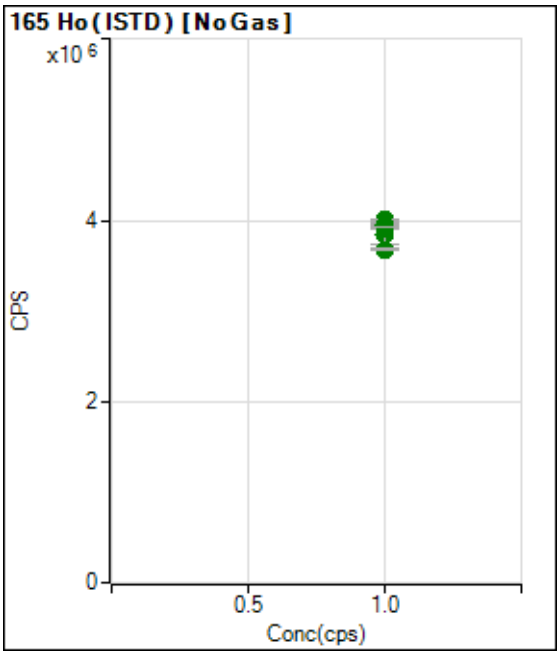


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		3970396.57		A	5.4
2	☐	1.000		4053059.24		A	0.3
3	☐	1.000		4077400.46		A	0.7
4	☐	1.000		3998962.68		A	0.9
5	☐	1.000		3980498.58		A	0.8
6	☐	1.000		3946700.05		A	1.6
7	☐	1.000		4009227.44		A	1.9
8	☐	1.000		3742550.22		A	2.6

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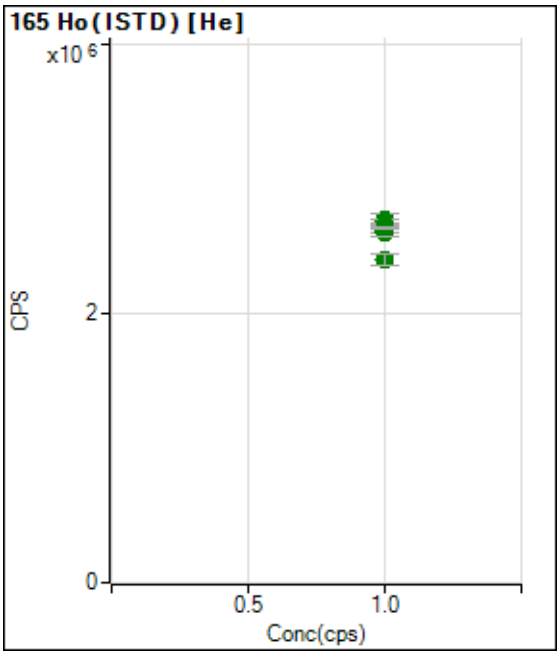


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		2642343.26		A	2.8
2	☐	1.000		2647131.37		A	0.5
3	☐	1.000		2644014.37		A	0.5
4	☐	1.000		2607281.83		A	1.4
5	☐	1.000		2545439.09		A	0.7
6	☐	1.000		2575772.52		A	1.9
7	☐	1.000		2581242.84		A	1.1
8	☐	1.000		2336873.49		A	4.2

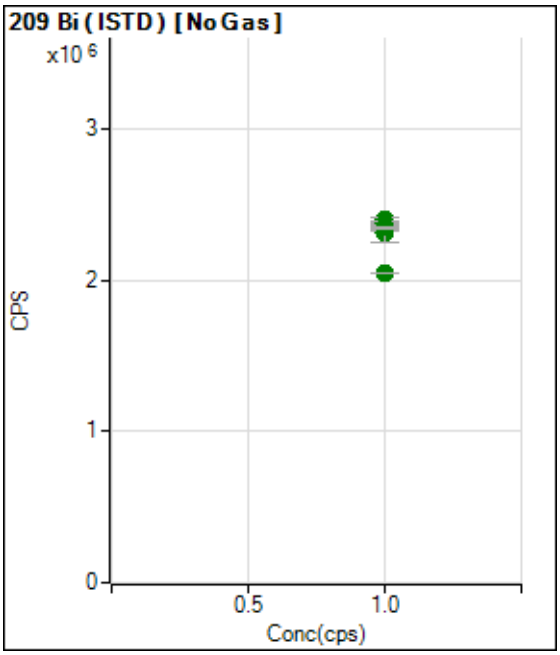


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		3849416.96		A	6.2
2	☐	1.000		3947299.07		A	0.6
3	☐	1.000		4005517.48		A	0.5
4	☐	1.000		3938021.75		A	0.8
5	☐	1.000		3939629.42		A	1.0
6	☐	1.000		3910456.71		A	0.6
7	☐	1.000		3929824.73		A	0.2
8	☐	1.000		3681198.69		A	0.5

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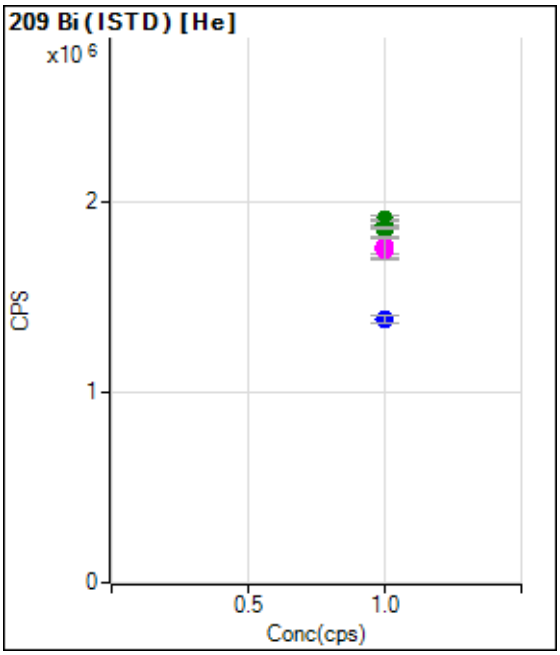


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		2699428.80		A	3.3
2	☐	1.000		2687380.93		A	0.8
3	☐	1.000		2665877.91		A	0.9
4	☐	1.000		2647221.60		A	0.6
5	☐	1.000		2618055.59		A	1.5
6	☐	1.000		2605263.93		A	1.9
7	☐	1.000		2643841.14		A	0.7
8	☐	1.000		2405889.18		A	3.7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		2320958.84		A	5.6
2	☐	1.000		2378389.24		A	0.2
3	☐	1.000		2399497.26		A	1.1
4	☐	1.000		2374122.97		A	1.0
5	☐	1.000		2371791.63		A	1.2
6	☐	1.000		2350881.03		A	1.7
7	☐	1.000		2350089.93		A	0.7
8	☐	1.000		2047546.97		A	0.2

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		1909624.42		A	2.7
2	☐	1.000		1900812.02		A	1.5
3	☐	1.000		1884802.18		A	1.8
4	☐	1.000		1866549.63		A	0.7
5	☐	1.000		1772714.02		M	5.1
6	☐	1.000		1761909.54		M	6.2
7	☐	1.000		1755972.47		M	6.1
8	☐	1.000		1385872.88		P	3.3

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7
ClientSampleId :TUNE025

US EPA Tune Check Report

Operator Name	Jaswal
Acq/Data Batch	D:\Agilent\ICPMH\1\DATA\P7101824-MS.b
Acq. Date-Time	2024-10-18 10:30:27
Report Comment	---
Instrument Name	G8403A JP14410463

[No Gas]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
9		1794	17939.60			0.829	5.000
24		61289	612885.04			0.962	5.000
25		7659	76587.01			1.279	5.000
26		8583	85834.47			1.306	5.000
59		15373	153726.72			0.593	5.000
113		1386	13858.94			0.699	5.000
115		30397	303971.49			1.095	5.000
206		6656	66562.89			0.800	5.000
207		5581	55811.48			0.641	5.000
208		13563	135634.19			0.884	5.000
220		0	2.40			75.691	

Mass	RSD% (Flag)
9	
24	
25	
26	
59	
113	
115	
206	
207	
208	
220	

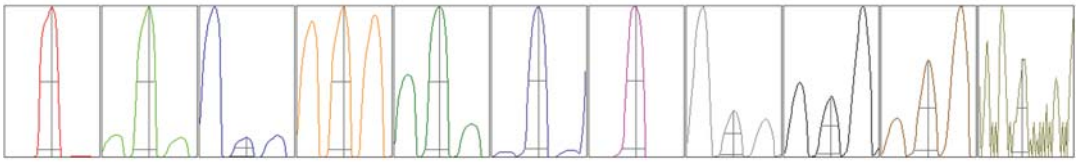
Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	1778	1805	1797	1779	1811
24	60267	61676	61525	61310	61664
25	7505	7707	7636	7680	7765
26	8433	8627	8563	8554	8740
59	15273	15510	15379	15309	15391
113	1383	1399	1390	1373	1384
115	30052	30808	30647	30093	30385
206	6563	6681	6675	6694	6669
207	5519	5609	5588	5593	5598
208	13356	13601	13601	13590	13668

US EPA Tune Check Report

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

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	3289.38	9.00	8.90 - 9.10	
24	108988.78	24.00	23.90 - 24.10	
25	13959.05	25.00	24.90 - 25.10	
26	15433.47	26.00	25.90 - 26.10	
59	26680.75	58.95	58.90 - 59.10	
113	2577.55	113.00	112.90 - 113.10	
115	57192.05	115.00	114.90 - 115.10	
206	13048.20	206.00	205.90 - 206.10	
207	10614.02	207.00	206.90 - 207.10	
208	26333.04	208.00	207.90 - 208.10	
220	0.55	219.90	-	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.58	0.731	0.900	
24	0.59	0.740	0.900	
25	0.58	0.736	0.900	
26	0.60	0.738	0.900	
59	0.60	0.754	0.900	
113	0.56	0.738	0.900	
115	0.54	0.743	0.900	
206	0.53	0.741	0.900	
207	0.54	0.761	0.900	
208	0.52	0.768	0.900	
220	0.31	0.535		

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

Tune Parameters

Plasma Parameters

Plasma Mode --- Nebulizer Gas 0.82 L/min Dilution Gas 0.40 L/min

US EPA Tune Check Report

RF Power	1600 W	Option Gas	---	Auxiliary Gas	0.9
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	9.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	7.8 V	Deflect	17.0 V
Extract 2	-105.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-65 V	Cell Exit	-50 V		

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	---	OctP RF	160 V		

QP Parameters

Mass Gain	135	Axis Gain	0.9976	QP Bias	-3.0 V
Mass Offset	131	Axis Offset	0.11		

Hardware Settings

Torch

Torch H	-0.5 mm	Torch V	0.6 mm		

EM

Discriminator	4.8 mV	Analog HV	2399 V	Pulse HV	1788 V

[He]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
59		5090	50903.01			0.935	
89		50854	508536.90			0.732	
205		16333	163330.88			0.537	

Mass	RSD% (Flag)
59	
89	
205	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
59	5174	5066	5081	5076	5055
89	51466	50919	50603	50741	50539
205	16447	16348	16218	16281	16372

Integration Time [sec] 0.1

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.82 L/min	Dilution Gas	0.40 L/min
RF Power	1600 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	9.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	8.3 V	Deflect	3.2 V

US EPA Tune Check Report

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7
ClientSampleId :TUNE025

Extract 2	-90.0 V	Cell Entrance	-40 V	Plate Bias	-60
Omega Bias	-55 V	Cell Exit	-60 V		

Cell Parameters

Use Gas	Yes	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	3.9 mL/min	OctP Bias	-18.0 V		
H2 Flow	---	OctP RF	190 V		

QP Parameters

Mass Gain	135	Axis Gain	0.9976	QP Bias	-13.0 V
Mass Offset	131	Axis Offset	0.11		

Hardware Settings

Torch

Torch H	-0.5 mm	Torch V	0.6 mm		

EM

Discriminator	4.8 mV	Analog HV	2399 V	Pulse HV	1788 V

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 11:46:13	DataFile Name :	004CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.14	-0.04	-0.09	0.00	N/A	ppb
Antimony	121-1	0.00	0.00	0.00	0.00	N/A	ppb
Arsenic	75-2	-0.01	0.01	-0.01	0.00	N/A	ppb
Barium	135-1	0.00	-0.01	0.01	0.00	N/A	ppb
Barium	137-1	-0.01	0.01	0.00	0.00	N/A	ppb
Beryllium	9-1	0.02	-0.03	0.01	0.00	N/A	ppb
Bismuth	209-1				100		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.04	0.00	-0.04	0.00	N/A	ppb
Cadmium	106-1	-0.15	0.59	-0.44	0.00	N/A	ppb
Cadmium	111-1	-0.01	0.04	-0.03	0.00	N/A	ppb
Calcium	43-1	-0.92	-0.53	1.45	0.00	N/A	ppb
Calcium	44-1	-0.10	-0.69	0.80	0.00	N/A	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.03	-0.05	0.02	0.00	N/A	ppb
Cobalt	59-2	0.00	0.00	0.00	0.00	N/A	ppb
Copper	63-2	0.04	-0.04	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	56-2	-0.09	0.04	0.05	0.00	N/A	ppb
Iron	57-2	0.30	-2.41	2.11	0.00	N/A	ppb
Iron	54-2	-1.00	0.12	0.88	0.00	N/A	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 11:46:13	DataFile Name :	004CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	-0.02	0.00	0.02	0.00	N/A	ppb
Lead	207-1	0.00	-0.01	0.01	0.00	N/A	ppb
Lead	208-1	-0.01	0.00	0.01	0.00	N/A	ppb
Lithium	6-1				100		%
Magnesium	24-2	-0.69	0.29	0.40	0.00	N/A	ppb
Manganese	55-2	0.00	0.02	-0.01	0.00	N/A	ppb
Molybdenum	94-1	0.00	0.00	0.00	0.00	N/A	ppb
Molybdenum	95-1	0.00	-0.01	0.01	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	-0.01	0.00	N/A	ppb
Molybdenum	98-1	0.00	0.00	0.00	0.00	N/A	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.03	0.02	0.01	0.00	N/A	ppb
Phosphorus	31-2	-16.17	-14.98	-17.58	-16.25		ppb
Potassium	39-2	-6.99	3.88	3.11	0.00	N/A	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	82-1	0.44	-0.10	-0.33	0.00	N/A	ppb
Selenium	77-2	-0.39	0.20	0.19	0.00	N/A	ppb
Selenium	78-2	-0.07	-1.31	1.37	0.00	N/A	ppb
Silicon	28-1	-3.60	-3.84	7.44	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	-0.95	0.30	0.65	0.00	N/A	ppb
Strontium	86-1	-0.01	-0.01	0.01	0.00	N/A	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	N/A	ppb
Sulfur	34-1	-115.00	-193.06	622.11	104.68	429.67	ppb
Terbium	159-1				100		%
Terbium	159-2				100		%
Thallium	203-1	0.00	0.00	0.00	0.00	N/A	ppb
Thallium	205-1	0.00	0.00	0.00	0.00	N/A	ppb
Tin	118-1	-0.01	-0.02	0.03	0.00	N/A	ppb
Titanium	47-1	0.00	0.02	-0.02	0.00	N/A	ppb

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 11:46:13	DataFile Name :	004CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	N/A	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	N/A	ppb
Yttrium	89-1				100		%
Yttrium	89-2				100		%
Zinc	66-2	-0.02	-0.05	0.06	0.00	N/A	ppb
Zirconium	90-1	0.01	0.00	0.00	0.00	N/A	ppb
Zirconium	91-1	0.00	0.00	0.00	0.00	N/A	ppb

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P7
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 11:49:35	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	17.95	19.77	16.39	18.03	9.40	ppb
Antimony	121-1	1.98	2.03	2.03	2.01	1.50	ppb
Arsenic	75-2	0.94	1.37	1.09	1.13	19.36	ppb
Barium	135-1	9.52	10.02	9.47	9.67	3.12	ppb
Barium	137-1	9.31	9.57	9.47	9.45	1.36	ppb
Beryllium	9-1	1.05	1.17	1.00	1.07	8.24	ppb
Bismuth	209-1				102		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.96	1.01	1.10	1.03	6.76	ppb
Cadmium	106-1	3.04	0.20	1.26	1.50	95.73	ppb
Cadmium	111-1	1.28	1.22	1.09	1.20	8.19	ppb
Calcium	43-1	500.52	482.66	502.69	495.29	2.22	ppb
Calcium	44-1	518.65	512.27	513.70	514.87	0.65	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.82	1.97	2.07	1.95	6.25	ppb
Cobalt	59-2	1.12	1.07	1.08	1.09	2.21	ppb
Copper	63-2	2.22	2.00	2.01	2.08	5.95	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				103		%
Holmium	165-2				100		%
Indium	115-1				103		%
Indium	115-2				99		%
Iron	56-2	52.27	52.84	52.22	52.45	0.65	ppb
Iron	57-2	59.35	50.02	57.72	55.70	8.95	ppb
Iron	54-2	56.32	54.10	55.59	55.33	2.05	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P7
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 11:49:35	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.80	0.80	0.79	0.80	1.22	ppb
Lead	207-1	0.81	0.75	0.81	0.79	4.44	ppb
Lead	208-1	0.79	0.79	0.79	0.79	0.37	ppb
Lithium	6-1				103		%
Magnesium	24-2	468.81	479.26	472.35	473.47	1.12	ppb
Manganese	55-2	1.01	1.11	1.08	1.07	4.59	ppb
Molybdenum	94-1	5.06	5.33	5.37	5.25	3.25	ppb
Molybdenum	95-1	4.36	4.40	4.39	4.39	0.56	ppb
Molybdenum	96-1	4.42	4.59	4.45	4.49	2.03	ppb
Molybdenum	97-1	4.32	4.47	4.53	4.44	2.40	ppb
Molybdenum	98-1	4.44	4.33	4.45	4.41	1.42	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.36	1.20	1.04	1.20	13.40	ppb
Phosphorus	31-2	16.51	13.05	19.18	16.25	18.93	ppb
Potassium	39-2	495.08	501.33	498.87	498.43	0.63	ppb
Rhodium	103-1				103		%
Rhodium	103-2				100		%
Scandium	45-1				102		%
Scandium	45-2				100		%
Selenium	82-1	5.44	5.12	4.07	4.88	14.73	ppb
Selenium	77-2	7.81	3.13	6.66	5.87	41.56	ppb
Selenium	78-2	4.77	4.61	3.90	4.43	10.45	ppb
Silicon	28-1	3.50	3.43	3.59	3.51	2.38	ppb
Silver	107-1	1.04	1.04	1.00	1.03	2.21	ppb
Silver	109-1	1.00	0.98	1.00	0.99	1.15	ppb
Sodium	23-2	480.37	483.78	484.36	482.84	0.45	ppb
Strontium	86-1	1.06	0.92	1.04	1.01	7.87	ppb
Strontium	88-1	0.98	0.96	1.00	0.98	1.81	ppb
Sulfur	34-1	-64.54	-154.30	-95.20	-104.68		ppb
Terbium	159-1				102		%
Terbium	159-2				100		%
Thallium	203-1	0.80	0.87	0.85	0.84	4.22	ppb
Thallium	205-1	0.88	0.84	0.84	0.86	2.88	ppb
Tin	118-1	4.81	4.89	4.79	4.83	1.05	ppb
Titanium	47-1	4.86	4.47	4.64	4.65	4.17	ppb

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P7
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 11:49:35	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.80	0.78	0.79	0.79	1.35	ppb
Vanadium	51-2	4.93	4.99	4.99	4.97	0.78	ppb
Yttrium	89-1				103		%
Yttrium	89-2				99		%
Zinc	66-2	4.69	5.29	5.21	5.06	6.37	ppb
Zirconium	90-1	0.95	0.96	1.00	0.97	2.78	ppb
Zirconium	91-1	0.95	0.99	1.05	1.00	5.26	ppb

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P7
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 11:53:00	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	970.55	967.43	973.00	970.33	0.29	ppb
Antimony	121-1	49.92	51.48	51.22	50.87	1.65	ppb
Arsenic	75-2	51.84	51.65	50.64	51.38	1.26	ppb
Barium	135-1	246.81	250.13	252.12	249.69	1.07	ppb
Barium	137-1	246.13	250.27	252.27	249.56	1.26	ppb
Beryllium	9-1	52.81	53.17	52.88	52.96	0.37	ppb
Bismuth	209-1				103		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	56.36	57.41	54.65	56.14	2.48	ppb
Cadmium	106-1	50.85	54.81	52.12	52.59	3.84	ppb
Cadmium	111-1	54.03	55.28	54.91	54.74	1.17	ppb
Calcium	43-1	5618.80	5721.41	5807.58	5715.93	1.65	ppb
Calcium	44-1	5525.41	5592.80	5562.10	5560.10	0.61	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	50.80	50.92	52.07	51.26	1.37	ppb
Cobalt	59-2	51.91	50.94	52.06	51.64	1.17	ppb
Copper	63-2	525.82	521.54	525.46	524.27	0.45	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				99		%
Indium	115-1				103		%
Indium	115-2				99		%
Iron	56-2	2578.06	2565.84	2582.75	2575.55	0.34	ppb
Iron	57-2	2714.28	2669.78	2737.82	2707.29	1.28	ppb
Iron	54-2	2727.02	2706.02	2767.26	2733.44	1.14	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P7
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 11:53:00	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	221.28	222.71	227.08	223.69	1.35	ppb
Lead	207-1	217.53	219.44	224.84	220.60	1.72	ppb
Lead	208-1	232.70	232.61	240.19	235.17	1.85	ppb
Lithium	6-1				104		%
Magnesium	24-2	4640.61	4586.04	4630.56	4619.07	0.63	ppb
Manganese	55-2	518.92	514.17	521.68	518.25	0.73	ppb
Molybdenum	94-1	500.01	498.14	506.76	501.64	0.90	ppb
Molybdenum	95-1	493.05	495.51	504.15	497.57	1.17	ppb
Molybdenum	96-1	493.10	497.55	503.43	498.03	1.04	ppb
Molybdenum	97-1	495.38	499.63	506.05	500.35	1.07	ppb
Molybdenum	98-1	503.65	496.11	501.84	500.53	0.79	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	53.24	53.11	54.41	53.59	1.34	ppb
Phosphorus	31-2	995.52	1018.56	1043.38	1019.15	2.35	ppb
Potassium	39-2	2584.99	2578.72	2633.73	2599.15	1.16	ppb
Rhodium	103-1				102		%
Rhodium	103-2				99		%
Scandium	45-1				101		%
Scandium	45-2				100		%
Selenium	82-1	52.80	50.45	52.95	52.07	2.69	ppb
Selenium	77-2	62.81	51.97	43.35	52.71	18.49	ppb
Selenium	78-2	54.90	49.41	56.07	53.46	6.65	ppb
Silicon	28-1	51.27	53.16	52.85	52.42	1.93	ppb
Silver	107-1	53.89	54.81	54.65	54.45	0.90	ppb
Silver	109-1	53.81	55.37	55.10	54.76	1.52	ppb
Sodium	23-2	4702.46	4657.32	4793.18	4717.66	1.47	ppb
Strontium	86-1	1268.96	1258.63	1285.18	1270.92	1.05	ppb
Strontium	88-1	1251.16	1251.03	1261.10	1254.43	0.46	ppb
Sulfur	34-1	931.22	923.62	922.24	925.69	0.52	ppb
Terbium	159-1				103		%
Terbium	159-2				100		%
Thallium	203-1	44.37	44.79	45.33	44.83	1.07	ppb
Thallium	205-1	43.85	43.71	44.69	44.08	1.20	ppb
Tin	118-1	50.49	52.68	51.57	51.58	2.12	ppb
Titanium	47-1	514.42	523.57	519.46	519.15	0.88	ppb

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P7
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 11:53:00	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	41.51	41.71	42.26	41.83	0.92	ppb
Vanadium	51-2	50.44	49.41	51.46	50.44	2.04	ppb
Yttrium	89-1				103		%
Yttrium	89-2				99		%
Zinc	66-2	515.92	512.95	518.76	515.88	0.56	ppb
Zirconium	90-1	49.60	50.08	50.95	50.21	1.36	ppb
Zirconium	91-1	49.82	50.06	50.35	50.07	0.53	ppb

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P7
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 11:56:17	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2402.88	2455.53	2461.40	2439.94	1.32	ppb
Antimony	121-1	126.53	128.47	129.04	128.01	1.03	ppb
Arsenic	75-2	128.40	127.25	128.54	128.06	0.55	ppb
Barium	135-1	616.28	625.22	632.95	624.82	1.34	ppb
Barium	137-1	622.03	627.51	634.40	627.98	0.99	ppb
Beryllium	9-1	130.22	130.94	132.45	131.20	0.87	ppb
Bismuth	209-1				102		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	136.49	137.01	133.96	135.82	1.20	ppb
Cadmium	106-1	130.31	135.76	137.19	134.42	2.70	ppb
Cadmium	111-1	136.18	136.13	138.71	137.01	1.08	ppb
Calcium	43-1	14233.86	14277.90	14185.65	14232.47	0.32	ppb
Calcium	44-1	12982.77	12986.06	12875.31	12948.05	0.49	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	127.26	127.94	129.32	128.17	0.82	ppb
Cobalt	59-2	130.81	129.75	130.64	130.40	0.44	ppb
Copper	63-2	1315.73	1329.87	1337.86	1327.82	0.84	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				98		%
Indium	115-1				99		%
Indium	115-2				95		%
Iron	56-2	6323.10	6470.94	6496.99	6430.34	1.46	ppb
Iron	57-2	6810.94	6805.11	6903.46	6839.83	0.81	ppb
Iron	54-2	6847.45	6920.56	6963.67	6910.56	0.85	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P7
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 11:56:17	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	616.44	611.12	631.48	619.68	1.70	ppb
Lead	207-1	624.17	630.49	627.71	627.46	0.50	ppb
Lead	208-1	616.78	621.58	627.68	622.01	0.88	ppb
Lithium	6-1				102		%
Magnesium	24-2	11237.04	11375.00	11514.62	11375.55	1.22	ppb
Manganese	55-2	1251.80	1266.53	1283.44	1267.26	1.25	ppb
Molybdenum	94-1	1267.56	1263.69	1288.48	1273.24	1.05	ppb
Molybdenum	95-1	1256.57	1267.43	1267.60	1263.87	0.50	ppb
Molybdenum	96-1	1275.52	1270.03	1272.36	1272.64	0.22	ppb
Molybdenum	97-1	1258.55	1267.99	1272.50	1266.35	0.56	ppb
Molybdenum	98-1	1272.52	1273.63	1266.59	1270.91	0.30	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	131.59	133.68	136.78	134.02	1.95	ppb
Phosphorus	31-2	2541.21	2550.81	2628.14	2573.39	1.85	ppb
Potassium	39-2	6515.88	6559.25	6653.33	6576.15	1.07	ppb
Rhodium	103-1				97		%
Rhodium	103-2				95		%
Scandium	45-1				98		%
Scandium	45-2				95		%
Selenium	82-1	132.79	131.06	131.11	131.65	0.75	ppb
Selenium	77-2	133.11	118.63	120.34	124.03	6.38	ppb
Selenium	78-2	126.65	141.48	120.13	129.42	8.46	ppb
Silicon	28-1	129.62	131.82	132.82	131.42	1.25	ppb
Silver	107-1	133.86	135.58	135.06	134.83	0.66	ppb
Silver	109-1	134.35	135.55	136.59	135.50	0.83	ppb
Sodium	23-2	12108.17	12083.68	12133.13	12108.33	0.20	ppb
Strontium	86-1	3212.34	3246.66	3184.83	3214.61	0.96	ppb
Strontium	88-1	3169.26	3180.65	3176.77	3175.56	0.18	ppb
Sulfur	34-1	2374.87	2292.68	2234.28	2300.61	3.07	ppb
Terbium	159-1				101		%
Terbium	159-2				99		%
Thallium	203-1	112.32	111.75	114.24	112.77	1.15	ppb
Thallium	205-1	110.83	111.20	113.62	111.88	1.35	ppb
Tin	118-1	127.60	128.51	130.47	128.86	1.14	ppb
Titanium	47-1	1298.13	1294.73	1303.84	1298.90	0.35	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P7
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 11:56:17	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	106.82	106.62	108.93	107.46	1.19	ppb
Vanadium	51-2	126.47	127.55	128.37	127.46	0.75	ppb
Yttrium	89-1				100		%
Yttrium	89-2				95		%
Zinc	66-2	1282.55	1298.01	1297.94	1292.83	0.69	ppb
Zirconium	90-1	126.85	127.80	128.12	127.59	0.52	ppb
Zirconium	91-1	126.95	127.78	128.08	127.60	0.46	ppb

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P7
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 11:59:27	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4916.71	4920.64	4858.33	4898.56	0.71	ppb
Antimony	121-1	246.47	250.32	253.50	250.10	1.41	ppb
Arsenic	75-2	256.59	258.98	254.26	256.61	0.92	ppb
Barium	135-1	1207.67	1223.41	1236.86	1222.65	1.19	ppb
Barium	137-1	1288.38	1314.25	1314.41	1305.68	1.15	ppb
Beryllium	9-1	255.46	261.25	258.32	258.34	1.12	ppb
Bismuth	209-1				102		%
Bismuth	209-2				93		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	266.19	263.86	272.98	267.68	1.77	ppb
Cadmium	106-1	261.64	265.26	261.49	262.79	0.81	ppb
Cadmium	111-1	259.19	265.06	266.71	263.65	1.50	ppb
Calcium	43-1	27541.19	28696.83	28761.90	28333.31	2.42	ppb
Calcium	44-1	25244.80	25917.52	26061.95	25741.43	1.69	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	257.74	257.00	253.14	255.96	0.97	ppb
Cobalt	59-2	260.85	258.50	254.52	257.96	1.24	ppb
Copper	63-2	2637.19	2575.78	2593.13	2602.03	1.22	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				97		%
Indium	115-1				96		%
Indium	115-2				92		%
Iron	56-2	12928.88	12817.09	12710.39	12818.79	0.85	ppb
Iron	57-2	13821.17	13621.24	13508.29	13650.23	1.16	ppb
Iron	54-2	13949.28	13779.61	13641.33	13790.07	1.12	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P7
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 11:59:27	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1208.98	1239.66	1259.44	1236.03	2.06	ppb
Lead	207-1	1235.03	1266.88	1288.49	1263.47	2.13	ppb
Lead	208-1	1225.82	1253.85	1264.65	1248.11	1.61	ppb
Lithium	6-1				99		%
Magnesium	24-2	22811.83	22535.17	22576.52	22641.17	0.66	ppb
Manganese	55-2	2586.68	2574.29	2502.53	2554.50	1.78	ppb
Molybdenum	94-1	2486.77	2564.00	2515.72	2522.16	1.55	ppb
Molybdenum	95-1	2487.52	2608.37	2556.84	2550.91	2.38	ppb
Molybdenum	96-1	2491.43	2551.63	2508.19	2517.08	1.23	ppb
Molybdenum	97-1	2480.41	2561.77	2519.75	2520.64	1.61	ppb
Molybdenum	98-1	2468.76	2585.33	2557.36	2537.15	2.40	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	265.94	261.39	257.91	261.75	1.54	ppb
Phosphorus	31-2	5069.81	4999.63	5006.29	5025.24	0.77	ppb
Potassium	39-2	12239.85	12404.11	12277.69	12307.22	0.70	ppb
Rhodium	103-1				94		%
Rhodium	103-2				91		%
Scandium	45-1				93		%
Scandium	45-2				91		%
Selenium	82-1	255.25	262.97	261.88	260.03	1.61	ppb
Selenium	77-2	261.82	275.47	273.40	270.23	2.72	ppb
Selenium	78-2	254.53	260.70	264.42	259.88	1.92	ppb
Silicon	28-1	254.89	266.49	269.18	263.52	2.88	ppb
Silver	107-1	256.08	261.71	262.40	260.07	1.33	ppb
Silver	109-1	256.96	259.89	261.72	259.52	0.92	ppb
Sodium	23-2	24042.26	24293.53	23717.05	24017.61	1.20	ppb
Strontium	86-1	6203.16	6494.77	6326.90	6341.61	2.31	ppb
Strontium	88-1	6224.01	6422.67	6383.19	6343.29	1.66	ppb
Sulfur	34-1	4584.96	4961.09	4886.59	4810.88	4.14	ppb
Terbium	159-1				100		%
Terbium	159-2				96		%
Thallium	203-1	219.47	225.22	225.67	223.45	1.55	ppb
Thallium	205-1	246.82	248.75	253.52	249.70	1.38	ppb
Tin	118-1	246.18	251.37	253.08	250.21	1.44	ppb
Titanium	47-1	2472.00	2521.11	2626.97	2540.03	3.12	ppb

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P7
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 11:59:27	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	243.12	249.88	255.07	249.36	2.40	ppb
Vanadium	51-2	255.31	254.28	252.51	254.03	0.56	ppb
Yttrium	89-1				96		%
Yttrium	89-2				92		%
Zinc	66-2	2600.54	2587.02	2543.20	2576.92	1.16	ppb
Zirconium	90-1	247.39	258.55	253.22	253.05	2.21	ppb
Zirconium	91-1	249.72	259.57	254.63	254.64	1.94	ppb

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P7
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 12:02:28	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9863.10	9621.12	9792.44	9758.89	1.28	ppb
Antimony	121-1	503.75	515.23	530.93	516.64	2.64	ppb
Arsenic	75-2	502.62	499.34	508.94	503.63	0.97	ppb
Barium	135-1	2546.12	2602.23	2650.27	2599.54	2.01	ppb
Barium	137-1	2489.74	2634.46	2596.20	2573.46	2.91	ppb
Beryllium	9-1	499.01	514.79	509.51	507.77	1.58	ppb
Bismuth	209-1				101		%
Bismuth	209-2				92		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	511.64	519.76	529.77	520.39	1.75	ppb
Cadmium	106-1	499.03	520.40	523.85	514.43	2.61	ppb
Cadmium	111-1	506.44	522.44	525.41	518.10	1.97	ppb
Calcium	43-1	54694.82	57908.05	56410.20	56337.69	2.85	ppb
Calcium	44-1	50213.48	53611.22	51958.64	51927.78	3.27	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	514.35	498.72	507.52	506.86	1.55	ppb
Cobalt	59-2	512.97	504.81	511.39	509.72	0.85	ppb
Copper	63-2	5222.85	5063.92	5151.21	5145.99	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				97		%
Indium	115-1				92		%
Indium	115-2				89		%
Iron	56-2	25668.41	25465.19	25602.68	25578.76	0.41	ppb
Iron	57-2	27123.90	26928.70	27135.00	27062.53	0.43	ppb
Iron	54-2	26431.11	25356.64	26420.66	26069.47	2.37	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P7
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 12:02:28	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2458.43	2569.12	2566.62	2531.39	2.50	ppb
Lead	207-1	2436.21	2590.36	2553.19	2526.59	3.18	ppb
Lead	208-1	2439.49	2579.19	2565.47	2528.05	3.05	ppb
Lithium	6-1				97		%
Magnesium	24-2	45487.15	44879.13	46042.99	45469.76	1.28	ppb
Manganese	55-2	5115.27	5003.25	5096.62	5071.71	1.18	ppb
Molybdenum	94-1	4832.69	5143.42	5070.21	5015.44	3.24	ppb
Molybdenum	95-1	4940.47	5184.29	5034.14	5052.97	2.43	ppb
Molybdenum	96-1	4945.36	5175.58	5092.50	5071.15	2.30	ppb
Molybdenum	97-1	4954.88	5167.95	5047.39	5056.74	2.11	ppb
Molybdenum	98-1	4939.36	5125.58	5069.19	5044.71	1.89	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	518.54	507.96	516.10	514.20	1.08	ppb
Phosphorus	31-2	10174.06	10076.09	10283.72	10177.96	1.02	ppb
Potassium	39-2	24281.31	24150.13	24346.76	24259.40	0.41	ppb
Rhodium	103-1				91		%
Rhodium	103-2				88		%
Scandium	45-1				90		%
Scandium	45-2				89		%
Selenium	82-1	494.35	528.87	503.91	509.04	3.50	ppb
Selenium	77-2	512.30	478.27	516.56	502.37	4.18	ppb
Selenium	78-2	489.71	503.31	523.71	505.58	3.38	ppb
Silicon	28-1	496.56	535.69	520.14	517.46	3.81	ppb
Silver	107-1	504.85	527.22	519.99	517.35	2.21	ppb
Silver	109-1	513.83	530.36	533.69	525.96	2.02	ppb
Sodium	23-2	49397.23	48517.21	48890.61	48935.02	0.90	ppb
Strontium	86-1	12332.37	12834.30	12569.78	12578.82	2.00	ppb
Strontium	88-1	12355.41	12956.09	12626.18	12645.89	2.38	ppb
Sulfur	34-1	9375.68	10265.51	9787.95	9809.72	4.54	ppb
Terbium	159-1				99		%
Terbium	159-2				97		%
Thallium	203-1	490.11	512.27	516.26	506.21	2.78	ppb
Thallium	205-1	498.06	512.56	509.31	506.64	1.50	ppb
Tin	118-1	499.36	524.06	525.38	516.27	2.84	ppb
Titanium	47-1	4951.68	5236.65	5037.41	5075.25	2.88	ppb

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P7
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 12:02:28	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	486.02	508.32	511.39	501.91	2.76	ppb
Vanadium	51-2	507.00	499.66	509.12	505.26	0.98	ppb
Yttrium	89-1				94		%
Yttrium	89-2				90		%
Zinc	66-2	5149.73	5040.29	5105.58	5098.54	1.08	ppb
Zirconium	90-1	496.27	517.33	506.36	506.65	2.08	ppb
Zirconium	91-1	491.04	520.09	509.10	506.74	2.90	ppb

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P7
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 12:05:26	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	18836.67	18794.98	18941.82	18857.82	0.40	ppb
Antimony	121-1	978.32	1011.82	983.57	991.24	1.82	ppb
Arsenic	75-2	1009.03	989.08	990.13	996.08	1.13	ppb
Barium	135-1	4941.03	5085.90	4844.39	4957.11	2.45	ppb
Barium	137-1	4931.24	5031.73	4884.02	4949.00	1.52	ppb
Beryllium	9-1	980.03	1004.10	995.19	993.10	1.23	ppb
Bismuth	209-1				101		%
Bismuth	209-2				92		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	974.21	1005.86	971.10	983.72	1.96	ppb
Cadmium	106-1	977.51	1014.67	972.66	988.28	2.33	ppb
Cadmium	111-1	981.30	1005.20	970.90	985.80	1.78	ppb
Calcium	43-1	109278.28	111500.01	110400.08	110392.79	1.01	ppb
Calcium	44-1	101038.63	103375.94	101794.40	102069.66	1.17	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1000.68	988.89	994.28	994.62	0.59	ppb
Cobalt	59-2	1000.65	983.81	992.71	992.39	0.85	ppb
Copper	63-2	9859.31	9846.67	9965.67	9890.55	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				102		%
Holmium	165-2				98		%
Indium	115-1				91		%
Indium	115-2				87		%
Iron	56-2	50314.04	49643.89	50064.42	50007.45	0.68	ppb
Iron	57-2	51167.86	50183.58	51135.70	50829.05	1.10	ppb
Iron	54-2	51598.03	51373.65	50738.77	51236.82	0.87	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P7
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 12:05:26	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	4949.97	5100.48	4918.88	4989.78	1.95	ppb
Lead	207-1	4930.26	5061.44	4961.80	4984.50	1.37	ppb
Lead	208-1	4938.75	5064.06	4959.89	4987.56	1.35	ppb
Lithium	6-1				97		%
Magnesium	24-2	90339.40	89081.61	90546.87	89989.29	0.88	ppb
Manganese	55-2	9942.68	10012.25	9887.41	9947.45	0.63	ppb
Molybdenum	94-1	9871.04	10050.49	10029.72	9983.75	0.98	ppb
Molybdenum	95-1	9835.82	10039.69	10002.02	9959.18	1.09	ppb
Molybdenum	96-1	9797.59	10051.04	10023.64	9957.43	1.40	ppb
Molybdenum	97-1	9775.92	10013.92	10103.39	9964.41	1.70	ppb
Molybdenum	98-1	9779.92	9955.86	10161.36	9965.72	1.92	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	990.19	988.96	986.83	988.66	0.17	ppb
Phosphorus	31-2	20189.77	19603.83	19890.14	19894.58	1.47	ppb
Potassium	39-2	47874.48	47408.97	47972.78	47752.08	0.63	ppb
Rhodium	103-1				89		%
Rhodium	103-2				87		%
Scandium	45-1				90		%
Scandium	45-2				90		%
Selenium	82-1	980.05	992.54	1003.52	992.04	1.18	ppb
Selenium	77-2	994.00	979.78	1007.44	993.74	1.39	ppb
Selenium	78-2	980.50	1001.26	1000.30	994.02	1.18	ppb
Silicon	28-1	976.09	1012.69	972.32	987.03	2.26	ppb
Silver	107-1	972.45	1021.52	968.10	987.36	3.00	ppb
Silver	109-1	972.54	1009.03	967.69	983.09	2.30	ppb
Sodium	23-2	96293.35	96165.12	97141.80	96533.42	0.55	ppb
Strontium	86-1	24476.56	24854.60	25445.17	24925.44	1.96	ppb
Strontium	88-1	24684.88	24939.12	25067.57	24897.19	0.78	ppb
Sulfur	34-1	19971.69	20464.76	20076.74	20171.06	1.29	ppb
Terbium	159-1				101		%
Terbium	159-2				98		%
Thallium	203-1	994.72	1029.82	991.42	1005.32	2.12	ppb
Thallium	205-1	993.30	1022.61	980.16	998.69	2.18	ppb
Tin	118-1	973.39	1021.30	979.07	991.25	2.64	ppb
Titanium	47-1	9830.16	10071.94	9933.80	9945.30	1.22	ppb

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P7
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 12:05:26	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	993.94	1018.29	993.19	1001.81	1.43	ppb
Vanadium	51-2	1002.27	991.94	993.89	996.03	0.55	ppb
Yttrium	89-1				94		%
Yttrium	89-2				90		%
Zinc	66-2	10070.99	9901.53	9803.54	9925.35	1.36	ppb
Zirconium	90-1	985.59	991.11	1010.02	995.58	1.29	ppb
Zirconium	91-1	984.15	992.49	1008.78	995.14	1.26	ppb

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P7
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 12:08:18	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	103726.18	100062.42	96989.66	100259.42	3.36	ppb
Antimony	121-1	0.76	0.74	0.79	0.76	3.81	ppb
Arsenic	75-2	0.37	0.50	0.53	0.47	18.04	ppb
Barium	135-1	2.65	2.51	2.78	2.65	5.10	ppb
Barium	137-1	2.63	2.73	2.76	2.71	2.56	ppb
Beryllium	9-1	0.61	0.59	0.47	0.55	13.18	ppb
Bismuth	209-1				88		%
Bismuth	209-2				73		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.60	0.35	0.37	0.44	31.64	ppb
Cadmium	106-1	0.21	-1.73	-0.69	-0.74		ppb
Cadmium	111-1	0.28	0.08	0.14	0.17	63.51	ppb
Calcium	43-1	491540.99	488339.90	511330.73	497070.54	2.51	ppb
Calcium	44-1	495101.42	494054.87	508861.92	499339.40	1.65	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3.69	3.27	3.62	3.52	6.25	ppb
Cobalt	59-2	2.71	2.76	2.74	2.74	0.81	ppb
Copper	63-2	3.13	2.89	2.88	2.97	4.78	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				96		%
Holmium	165-2				89		%
Indium	115-1				86		%
Indium	115-2				80		%
Iron	56-2	257980.72	248084.22	243693.35	249919.43	2.93	ppb
Iron	57-2	257822.43	246357.38	244481.01	249553.61	2.89	ppb
Iron	54-2	259025.99	247912.41	241748.60	249562.34	3.51	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P7
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 12:08:18	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1.09	1.00	0.98	1.02	5.69	ppb
Lead	207-1	1.07	1.10	0.93	1.03	8.93	ppb
Lead	208-1	1.08	1.03	0.97	1.02	5.16	ppb
Lithium	6-1				95		%
Magnesium	24-2	521717.41	495872.78	490224.96	502605.05	3.34	ppb
Manganese	55-2	6.90	6.71	6.54	6.72	2.63	ppb
Molybdenum	94-1	2.79	2.73	2.74	2.75	1.11	ppb
Molybdenum	95-1	1.87	1.79	1.81	1.82	2.24	ppb
Molybdenum	96-1	3.53	3.23	3.29	3.35	4.72	ppb
Molybdenum	97-1	1.92	1.84	1.71	1.83	5.84	ppb
Molybdenum	98-1	1.75	1.70	1.68	1.71	2.21	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	4.01	4.69	3.88	4.19	10.37	ppb
Phosphorus	31-2	5.10	-1.57	-4.08	-0.18		ppb
Potassium	39-2	262598.39	246961.26	242012.78	250524.14	4.29	ppb
Rhodium	103-1				78		%
Rhodium	103-2				74		%
Scandium	45-1				87		%
Scandium	45-2				85		%
Selenium	82-1	0.45	0.76	1.00	0.73	37.67	ppb
Selenium	77-2	-0.39	0.31	0.29	0.07	578.81	ppb
Selenium	78-2	3.17	-0.67	0.24	0.91	219.06	ppb
Silicon	28-1	13.41	9.19	11.88	11.49	18.57	ppb
Silver	107-1	0.14	0.11	0.13	0.13	9.97	ppb
Silver	109-1	0.13	0.14	0.12	0.13	8.34	ppb
Sodium	23-2	516075.23	493975.17	492534.30	500861.57	2.63	ppb
Strontium	86-1	4.50	4.42	4.42	4.45	1.00	ppb
Strontium	88-1	4.59	4.37	4.21	4.39	4.34	ppb
Sulfur	34-1	-330.70	-256.66	-104.72	-230.69		ppb
Terbium	159-1				94		%
Terbium	159-2				88		%
Thallium	203-1	0.12	0.11	0.10	0.11	8.61	ppb
Thallium	205-1	0.13	0.12	0.10	0.12	14.59	ppb
Tin	118-1	0.41	0.42	0.50	0.44	11.43	ppb
Titanium	47-1	1.47	1.66	1.70	1.61	7.43	ppb

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P7
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 12:08:18	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.07	0.05	0.05	0.06	17.22	ppb
Vanadium	51-2	0.32	0.36	0.30	0.33	10.30	ppb
Yttrium	89-1				88		%
Yttrium	89-2				82		%
Zinc	66-2	39.09	35.81	36.32	37.07	4.76	ppb
Zirconium	90-1	0.61	0.61	0.62	0.61	1.15	ppb
Zirconium	91-1	0.59	0.58	0.59	0.59	0.52	ppb

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	ICV025	Instrumnet Name :	P7
Client Sample ID :	ICV025	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 12:59:06	DataFile Name :	012ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	467.90	462.81	463.23	464.65	0.61	ppb
Antimony	121-1	186.90	190.72	195.06	190.89	2.14	ppb
Arsenic	75-2	199.41	200.93	201.65	200.66	0.57	ppb
Barium	135-1	91.03	91.81	94.03	92.29	1.69	ppb
Barium	137-1	90.93	92.29	94.34	92.52	1.86	ppb
Beryllium	9-1	101.39	103.31	101.60	102.10	1.03	ppb
Bismuth	209-1				106		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	148.03	150.23	156.93	151.73	3.06	ppb
Cadmium	106-1	168.18	165.74	169.63	167.85	1.17	ppb
Cadmium	111-1	106.26	107.41	108.58	107.42	1.08	ppb
Calcium	43-1	2159.52	2124.30	2155.83	2146.55	0.90	ppb
Calcium	44-1	2104.63	2072.89	2098.76	2092.09	0.81	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	101.45	100.95	100.10	100.83	0.68	ppb
Cobalt	59-2	103.05	103.21	100.77	102.34	1.33	ppb
Copper	63-2	102.94	102.93	102.29	102.72	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				104		%
Holmium	165-2				97		%
Indium	115-1				96		%
Indium	115-2				91		%
Iron	56-2	2056.21	2005.72	1976.85	2012.93	2.00	ppb
Iron	57-2	2115.37	2094.95	2130.47	2113.59	0.84	ppb
Iron	54-2	2209.45	2177.28	2158.35	2181.69	1.18	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	ICV025	Instrumnet Name :	P7
Client Sample ID :	ICV025	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 12:59:06	DataFile Name :	012ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	185.69	186.10	190.08	187.29	1.29	ppb
Lead	207-1	177.14	176.49	181.57	178.40	1.55	ppb
Lead	208-1	181.00	181.03	185.89	182.64	1.54	ppb
Lithium	6-1				101		%
Magnesium	24-2	1125.02	1124.55	1099.84	1116.47	1.29	ppb
Manganese	55-2	103.13	103.20	100.02	102.12	1.78	ppb
Molybdenum	94-1	4612.10	4491.86	4613.56	4572.51	1.53	ppb
Molybdenum	95-1	4508.17	4462.32	4506.85	4492.44	0.58	ppb
Molybdenum	96-1	4490.07	4472.26	4550.34	4504.22	0.91	ppb
Molybdenum	97-1	4480.36	4520.14	4551.98	4517.50	0.79	ppb
Molybdenum	98-1	4532.71	4480.20	4471.11	4494.67	0.74	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	108.95	108.67	104.90	107.51	2.10	ppb
Phosphorus	31-2	-4.19	-10.71	-6.82	-7.24		ppb
Potassium	39-2	1943.11	1947.84	1935.14	1942.03	0.33	ppb
Rhodium	103-1				96		%
Rhodium	103-2				93		%
Scandium	45-1				95		%
Scandium	45-2				92		%
Selenium	82-1	203.25	205.27	211.78	206.76	2.16	ppb
Selenium	77-2	192.58	208.11	191.19	197.29	4.76	ppb
Selenium	78-2	203.41	219.22	202.26	208.30	4.55	ppb
Silicon	28-1	517.08	511.58	526.05	518.23	1.41	ppb
Silver	107-1	48.22	48.92	49.89	49.01	1.71	ppb
Silver	109-1	47.79	48.35	49.90	48.68	2.24	ppb
Sodium	23-2	1951.30	1951.07	1938.66	1947.01	0.37	ppb
Strontium	86-1	497.05	495.00	501.47	497.84	0.66	ppb
Strontium	88-1	506.00	509.52	511.75	509.09	0.57	ppb
Sulfur	34-1	-7.84	-281.43	-130.39	-139.89		ppb
Terbium	159-1				102		%
Terbium	159-2				97		%
Thallium	203-1	183.95	184.52	190.02	186.16	1.80	ppb
Thallium	205-1	208.44	206.74	208.74	207.98	0.52	ppb
Tin	118-1	540.09	544.78	548.03	544.30	0.73	ppb
Titanium	47-1	4474.81	4381.77	4468.78	4441.79	1.17	ppb

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	ICV025	Instrumnet Name :	P7
Client Sample ID :	ICV025	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 12:59:06	DataFile Name :	012ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	499.31	497.55	508.09	501.65	1.13	ppb
Vanadium	51-2	96.97	97.42	95.64	96.68	0.96	ppb
Yttrium	89-1				97		%
Yttrium	89-2				92		%
Zinc	66-2	198.53	195.78	197.12	197.15	0.70	ppb
Zirconium	90-1	501.93	507.20	511.18	506.77	0.92	ppb
Zirconium	91-1	497.99	501.62	503.41	501.00	0.55	ppb

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	ICB025	Instrumnet Name :	P7
Client Sample ID :	ICB025	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 13:16:30	DataFile Name :	014CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.39	-0.64	-0.36	-0.46		ppb
Antimony	121-1	0.01	0.01	0.01	0.01	40.65	ppb
Arsenic	75-2	-0.01	-0.01	-0.01	-0.01		ppb
Barium	135-1	0.01	-0.01	-0.01	0.00		ppb
Barium	137-1	-0.01	-0.01	0.00	0.00		ppb
Beryllium	9-1	0.02	0.02	0.02	0.02	11.15	ppb
Bismuth	209-1				107		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.00	-0.09	-0.09	-0.06		ppb
Cadmium	106-1	-1.51	-2.46	-3.32	-2.43		ppb
Cadmium	111-1	-0.11	-0.18	-0.24	-0.18		ppb
Calcium	43-1	-1.68	-4.21	-7.27	-4.39		ppb
Calcium	44-1	-5.29	-5.38	-5.93	-5.53		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.01	-0.02	0.04	0.00	848.50	ppb
Cobalt	59-2	-0.01	-0.01	-0.01	-0.01		ppb
Copper	63-2	-0.03	-0.05	-0.06	-0.04		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				103		%
Holmium	165-2				99		%
Indium	115-1				101		%
Indium	115-2				95		%
Iron	56-2	-0.43	-0.24	-0.32	-0.33		ppb
Iron	57-2	-3.39	-0.65	-1.62	-1.89		ppb
Iron	54-2	-0.88	-1.06	-0.31	-0.75		ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	ICB025	Instrumnet Name :	P7
Client Sample ID :	ICB025	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 13:16:30	DataFile Name :	014CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	-0.06	-0.05	-0.05	-0.05		ppb
Lead	207-1	-0.06	-0.04	-0.04	-0.05		ppb
Lead	208-1	-0.07	-0.05	-0.06	-0.06		ppb
Lithium	6-1				102		%
Magnesium	24-2	-0.76	-0.65	-0.92	-0.78		ppb
Manganese	55-2	0.01	-0.01	-0.01	0.00		ppb
Molybdenum	94-1	0.02	0.02	0.02	0.02	21.19	ppb
Molybdenum	95-1	0.01	0.00	0.01	0.01	89.53	ppb
Molybdenum	96-1	0.00	0.01	0.00	0.01	120.40	ppb
Molybdenum	97-1	0.00	0.00	0.01	0.01	113.72	ppb
Molybdenum	98-1	0.01	0.00	0.02	0.01	64.92	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.00	-0.02	0.00	-0.01		ppb
Phosphorus	31-2	-12.37	-10.65	-17.15	-13.39		ppb
Potassium	39-2	-14.98	-11.01	-14.09	-13.36		ppb
Rhodium	103-1				97		%
Rhodium	103-2				96		%
Scandium	45-1				97		%
Scandium	45-2				95		%
Selenium	82-1	-0.57	-0.43	0.54	-0.15		ppb
Selenium	77-2	-0.39	0.22	-0.39	-0.19		ppb
Selenium	78-2	-0.60	0.05	-0.19	-0.25		ppb
Silicon	28-1	-7.54	-6.78	-7.29	-7.20		ppb
Silver	107-1	0.00	0.00	0.00	0.00	56.42	ppb
Silver	109-1	0.00	0.00	0.00	0.00	62.80	ppb
Sodium	23-2	4.91	4.11	4.77	4.60	9.39	ppb
Strontium	86-1	0.01	-0.01	-0.03	-0.01		ppb
Strontium	88-1	0.00	0.00	0.00	0.00		ppb
Sulfur	34-1	-91.89	-41.70	-15.15	-49.58		ppb
Terbium	159-1				103		%
Terbium	159-2				99		%
Thallium	203-1	0.01	0.00	0.00	0.00	72.36	ppb
Thallium	205-1	0.00	0.01	0.01	0.00	63.97	ppb
Tin	118-1	-0.02	0.02	-0.02	-0.01		ppb
Titanium	47-1	0.02	-0.02	0.00	0.00		ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	ICB025	Instrumnet Name :	P7
Client Sample ID :	ICB025	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 13:16:30	DataFile Name :	014CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	144.77	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00		ppb
Yttrium	89-1				98		%
Yttrium	89-2				95		%
Zinc	66-2	0.13	0.04	0.11	0.09	53.92	ppb
Zirconium	90-1	0.02	0.01	0.01	0.02	16.73	ppb
Zirconium	91-1	0.01	0.02	0.03	0.02	45.18	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	ICSA025	Instrumnet Name :	P7
Client Sample ID :	ICSA025	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 13:19:53	DataFile Name :	015ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	85032.07	85923.34	85163.75	85373.06	0.56	ppb
Antimony	121-1	1.07	0.97	1.08	1.04	5.83	ppb
Arsenic	75-2	0.40	0.25	0.34	0.33	23.20	ppb
Barium	135-1	1.17	1.22	1.23	1.21	2.85	ppb
Barium	137-1	1.25	1.32	1.28	1.28	2.54	ppb
Beryllium	9-1	0.33	0.33	0.24	0.30	15.81	ppb
Bismuth	209-1				100		%
Bismuth	209-2				92		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	8.23	7.62	7.34	7.73	5.92	ppb
Cadmium	106-1	-2.13	-3.35	-2.33	-2.60		ppb
Cadmium	111-1	0.09	0.19	0.07	0.12	56.18	ppb
Calcium	43-1	99179.43	99639.24	101427.14	100081.93	1.19	ppb
Calcium	44-1	93987.89	94543.06	96242.26	94924.40	1.24	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	19.46	19.93	19.42	19.60	1.45	ppb
Cobalt	59-2	1.22	1.29	1.28	1.26	3.26	ppb
Copper	63-2	7.08	7.30	7.70	7.36	4.30	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				103		%
Holmium	165-2				99		%
Indium	115-1				93		%
Indium	115-2				90		%
Iron	56-2	97244.12	99929.14	97897.48	98356.92	1.42	ppb
Iron	57-2	97221.73	99537.63	97853.47	98204.28	1.22	ppb
Iron	54-2	97701.92	99083.13	98632.71	98472.59	0.72	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	ICSA025	Instrumnet Name :	P7
Client Sample ID :	ICSA025	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 13:19:53	DataFile Name :	015ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	4.00	4.11	4.11	4.08	1.59	ppb
Lead	207-1	3.60	3.61	3.75	3.65	2.35	ppb
Lead	208-1	3.71	3.78	3.81	3.77	1.29	ppb
Lithium	6-1				97		%
Magnesium	24-2	86040.60	88634.32	86712.74	87129.22	1.54	ppb
Manganese	55-2	8.15	8.24	7.77	8.06	3.12	ppb
Molybdenum	94-1	1428.78	1440.55	1423.21	1430.85	0.62	ppb
Molybdenum	95-1	1740.16	1738.98	1710.65	1729.93	0.97	ppb
Molybdenum	96-1	1699.72	1706.07	1681.68	1695.82	0.75	ppb
Molybdenum	97-1	1726.25	1728.06	1729.86	1728.06	0.10	ppb
Molybdenum	98-1	1730.11	1752.47	1742.53	1741.70	0.64	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	5.53	5.19	5.40	5.37	3.16	ppb
Phosphorus	31-2	96239.18	97763.34	96795.38	96932.64	0.80	ppb
Potassium	39-2	91475.51	94392.25	92292.53	92720.10	1.62	ppb
Rhodium	103-1				88		%
Rhodium	103-2				88		%
Scandium	45-1				88		%
Scandium	45-2				90		%
Selenium	82-1	-0.04	-0.62	-0.68	-0.45		ppb
Selenium	77-2	-0.39	-0.39	-0.39	-0.39		ppb
Selenium	78-2	0.19	-0.52	-0.38	-0.24		ppb
Silicon	28-1	16.81	15.87	17.11	16.60	3.90	ppb
Silver	107-1	0.05	0.04	0.06	0.05	16.88	ppb
Silver	109-1	0.05	0.05	0.06	0.05	16.39	ppb
Sodium	23-2	92603.52	93593.49	92631.68	92942.90	0.61	ppb
Strontium	86-1	32.80	33.36	33.11	33.09	0.85	ppb
Strontium	88-1	32.73	33.41	33.37	33.17	1.14	ppb
Sulfur	34-1	98445.51	97853.96	100411.56	98903.68	1.35	ppb
Terbium	159-1				102		%
Terbium	159-2				98		%
Thallium	203-1	0.06	0.06	0.07	0.06	8.60	ppb
Thallium	205-1	0.06	0.06	0.07	0.06	10.08	ppb
Tin	118-1	0.22	0.25	0.24	0.24	5.83	ppb
Titanium	47-1	1839.41	1839.21	1861.64	1846.75	0.70	ppb

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	ICSA025	Instrumnet Name :	P7
Client Sample ID :	ICSA025	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 13:19:53	DataFile Name :	015ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.02	0.01	0.02	0.02	8.49	ppb
Vanadium	51-2	0.21	0.20	0.21	0.21	2.80	ppb
Yttrium	89-1				94		%
Yttrium	89-2				92		%
Zinc	66-2	10.69	11.43	10.78	10.97	3.65	ppb
Zirconium	90-1	0.04	0.04	0.04	0.04	6.39	ppb
Zirconium	91-1	0.05	0.06	0.06	0.05	11.09	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	ICSAB025	Instrumnet Name :	P7
Client Sample ID :	ICSAB025	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 13:23:05	DataFile Name :	016ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	84722.42	84497.09	84046.19	84421.90	0.41	ppb
Antimony	121-1	19.44	19.14	19.72	19.44	1.48	ppb
Arsenic	75-2	21.03	18.62	19.42	19.69	6.23	ppb
Barium	135-1	18.91	18.64	19.17	18.90	1.40	ppb
Barium	137-1	18.63	19.29	18.75	18.89	1.88	ppb
Beryllium	9-1	19.77	19.89	20.27	19.98	1.31	ppb
Bismuth	209-1				101		%
Bismuth	209-2				96		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	25.40	27.45	26.93	26.59	4.00	ppb
Cadmium	106-1	21.25	21.89	21.10	21.41	1.95	ppb
Cadmium	111-1	20.03	19.25	19.03	19.44	2.68	ppb
Calcium	43-1	98126.52	96844.02	100946.06	98638.87	2.13	ppb
Calcium	44-1	93998.50	92073.02	95909.83	93993.79	2.04	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	38.76	38.20	38.46	38.47	0.73	ppb
Cobalt	59-2	20.80	20.53	20.53	20.62	0.75	ppb
Copper	63-2	25.44	25.56	25.10	25.37	0.92	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				100		%
Indium	115-1				95		%
Indium	115-2				91		%
Iron	56-2	95850.26	96037.29	94960.46	95616.00	0.60	ppb
Iron	57-2	96713.96	97035.84	95582.78	96444.19	0.79	ppb
Iron	54-2	97979.23	97389.20	97805.10	97724.51	0.31	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	ICSAB025	Instrumnet Name :	P7
Client Sample ID :	ICSAB025	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 13:23:05	DataFile Name :	016ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	23.89	23.72	24.78	24.13	2.37	ppb
Lead	207-1	23.02	22.28	23.16	22.82	2.06	ppb
Lead	208-1	23.17	22.76	23.53	23.15	1.67	ppb
Lithium	6-1				101		%
Magnesium	24-2	87514.75	86332.42	85810.84	86552.67	1.01	ppb
Manganese	55-2	27.33	27.15	27.29	27.26	0.33	ppb
Molybdenum	94-1	1541.37	1540.40	1581.16	1554.31	1.50	ppb
Molybdenum	95-1	1752.55	1756.69	1769.12	1759.45	0.49	ppb
Molybdenum	96-1	1722.62	1741.68	1748.01	1737.44	0.76	ppb
Molybdenum	97-1	1775.04	1756.18	1793.73	1774.98	1.06	ppb
Molybdenum	98-1	1770.70	1723.94	1786.42	1760.35	1.85	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	24.28	24.79	23.94	24.34	1.76	ppb
Phosphorus	31-2	96157.32	96072.45	95822.69	96017.49	0.18	ppb
Potassium	39-2	91459.49	90225.41	90450.73	90711.88	0.72	ppb
Rhodium	103-1				91		%
Rhodium	103-2				90		%
Scandium	45-1				94		%
Scandium	45-2				93		%
Selenium	82-1	20.16	19.87	20.77	20.27	2.27	ppb
Selenium	77-2	15.77	21.92	16.80	18.17	18.13	ppb
Selenium	78-2	20.01	22.96	18.58	20.52	10.90	ppb
Silicon	28-1	66.36	65.17	71.95	67.83	5.34	ppb
Silver	107-1	17.36	17.44	17.63	17.48	0.80	ppb
Silver	109-1	17.45	17.42	17.53	17.47	0.33	ppb
Sodium	23-2	92652.28	92001.74	92219.34	92291.12	0.36	ppb
Strontium	86-1	81.94	81.28	82.06	81.76	0.51	ppb
Strontium	88-1	81.22	81.14	81.65	81.34	0.33	ppb
Sulfur	34-1	97089.12	96505.13	99218.72	97604.32	1.46	ppb
Terbium	159-1				106		%
Terbium	159-2				100		%
Thallium	203-1	22.24	21.80	22.70	22.25	2.04	ppb
Thallium	205-1	22.13	21.50	22.58	22.07	2.46	ppb
Tin	118-1	48.45	47.99	48.60	48.35	0.65	ppb
Titanium	47-1	1854.88	1834.87	1902.60	1864.12	1.87	ppb

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	ICSAB025	Instrumnet Name :	P7
Client Sample ID :	ICSAB025	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 13:23:05	DataFile Name :	016ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	44.32	43.37	44.92	44.21	1.78	ppb
Vanadium	51-2	19.51	19.15	19.14	19.27	1.11	ppb
Yttrium	89-1				97		%
Yttrium	89-2				94		%
Zinc	66-2	30.85	30.22	29.62	30.23	2.04	ppb
Zirconium	90-1	48.82	48.99	49.39	49.07	0.59	ppb
Zirconium	91-1	49.31	48.62	49.66	49.20	1.08	ppb

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	CCV094	Instrumnet Name :	P7
Client Sample ID :	CCV094	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 13:35:33	DataFile Name :	017CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	48494.52	47437.81	47683.60	47871.98	1.16	ppb
Antimony	121-1	498.95	503.40	495.05	499.14	0.84	ppb
Arsenic	75-2	498.26	499.37	501.93	499.85	0.38	ppb
Barium	135-1	2559.05	2520.41	2549.55	2543.00	0.79	ppb
Barium	137-1	2532.44	2509.16	2541.69	2527.76	0.66	ppb
Beryllium	9-1	512.74	523.72	516.35	517.60	1.08	ppb
Bismuth	209-1				95		%
Bismuth	209-2				80		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	496.73	481.48	476.45	484.89	2.18	ppb
Cadmium	106-1	491.64	483.61	486.97	487.41	0.83	ppb
Cadmium	111-1	481.14	479.66	476.36	479.05	0.51	ppb
Calcium	43-1	241695.22	248323.08	251560.50	247192.93	2.03	ppb
Calcium	44-1	244452.46	244410.62	250449.57	246437.55	1.41	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	505.17	504.19	506.56	505.31	0.24	ppb
Cobalt	59-2	536.16	533.40	534.48	534.68	0.26	ppb
Copper	63-2	5091.13	5173.00	5066.06	5110.06	1.09	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				98		%
Holmium	165-2				96		%
Indium	115-1				89		%
Indium	115-2				85		%
Iron	56-2	124685.90	125331.36	123769.14	124595.47	0.63	ppb
Iron	57-2	125986.07	124929.98	125972.58	125629.55	0.48	ppb
Iron	54-2	126545.80	124987.51	124855.35	125462.89	0.75	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	CCV094	Instrumnet Name :	P7
Client Sample ID :	CCV094	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 13:35:33	DataFile Name :	017CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2582.28	2602.22	2619.90	2601.47	0.72	ppb
Lead	207-1	2586.97	2620.23	2610.83	2606.01	0.66	ppb
Lead	208-1	2575.76	2632.05	2607.64	2605.15	1.08	ppb
Lithium	6-1				93		%
Magnesium	24-2	232051.31	228609.88	230042.33	230234.51	0.75	ppb
Manganese	55-2	5058.96	5047.77	5017.38	5041.37	0.43	ppb
Molybdenum	94-1	5088.83	5237.63	5193.45	5173.31	1.48	ppb
Molybdenum	95-1	5120.77	5213.33	5188.37	5174.16	0.93	ppb
Molybdenum	96-1	5101.65	5207.03	5161.47	5156.72	1.02	ppb
Molybdenum	97-1	5044.19	5214.98	5202.77	5153.98	1.85	ppb
Molybdenum	98-1	5152.88	5245.39	5168.41	5188.89	0.95	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	532.41	532.15	530.86	531.81	0.16	ppb
Phosphorus	31-2	10012.32	10034.09	10088.93	10045.11	0.39	ppb
Potassium	39-2	122293.68	120983.07	120773.70	121350.15	0.68	ppb
Rhodium	103-1				83		%
Rhodium	103-2				83		%
Scandium	45-1				88		%
Scandium	45-2				89		%
Selenium	82-1	485.55	493.47	491.06	490.03	0.83	ppb
Selenium	77-2	513.83	476.75	480.76	490.45	4.15	ppb
Selenium	78-2	492.19	496.40	494.27	494.29	0.43	ppb
Silicon	28-1	781.25	784.14	814.40	793.26	2.31	ppb
Silver	107-1	477.44	486.25	479.25	480.98	0.97	ppb
Silver	109-1	484.61	486.07	475.16	481.94	1.23	ppb
Sodium	23-2	245702.62	243909.56	247096.00	245569.39	0.65	ppb
Strontium	86-1	12789.97	12943.22	12903.62	12878.94	0.62	ppb
Strontium	88-1	12774.36	13036.55	12878.72	12896.55	1.02	ppb
Sulfur	34-1	9838.97	9885.33	9994.56	9906.29	0.81	ppb
Terbium	159-1				99		%
Terbium	159-2				94		%
Thallium	203-1	521.39	522.77	520.43	521.53	0.23	ppb
Thallium	205-1	521.15	525.96	529.51	525.54	0.80	ppb
Tin	118-1	506.02	518.83	510.10	511.65	1.28	ppb
Titanium	47-1	4967.70	5058.51	5130.05	5052.09	1.61	ppb

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Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	CCV094	Instrumnet Name :	P7
Client Sample ID :	CCV094	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 13:35:33	DataFile Name :	017CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	529.40	537.59	535.34	534.11	0.79	ppb
Vanadium	51-2	510.15	506.34	509.50	508.66	0.40	ppb
Yttrium	89-1				91		%
Yttrium	89-2				88		%
Zinc	66-2	5216.12	5190.44	5207.86	5204.80	0.25	ppb
Zirconium	90-1	518.67	524.65	521.62	521.65	0.57	ppb
Zirconium	91-1	511.12	525.10	518.28	518.17	1.35	ppb

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Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	CCB094	Instrumnet Name :	P7
Client Sample ID :	CCB094	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 13:38:25	DataFile Name :	018CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1.71	1.65	2.22	1.86	16.79	ppb
Antimony	121-1	0.32	0.33	0.35	0.33	5.81	ppb
Arsenic	75-2	0.11	0.09	-0.01	0.06	96.02	ppb
Barium	135-1	0.10	0.05	0.03	0.06	56.29	ppb
Barium	137-1	0.06	0.04	0.04	0.05	29.78	ppb
Beryllium	9-1	0.30	0.20	0.29	0.26	20.97	ppb
Bismuth	209-1				108		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.05	-0.05	-0.05	-0.05		ppb
Cadmium	106-1	-1.16	-2.39	-1.16	-1.57		ppb
Cadmium	111-1	-0.02	-0.14	-0.04	-0.07		ppb
Calcium	43-1	8.52	1.25	0.60	3.46	127.29	ppb
Calcium	44-1	3.44	1.77	0.59	1.93	74.16	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.06	0.00	0.07	0.04	90.96	ppb
Cobalt	59-2	0.01	0.02	0.02	0.02	36.96	ppb
Copper	63-2	0.36	0.19	0.34	0.29	30.58	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				99		%
Indium	115-1				100		%
Indium	115-2				94		%
Iron	56-2	6.21	6.66	7.59	6.82	10.28	ppb
Iron	57-2	1.45	3.51	4.72	3.23	51.32	ppb
Iron	54-2	4.45	6.38	7.16	6.00	23.27	ppb
Krypton	83-1						cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	CCB094	Instrumnet Name :	P7
Client Sample ID :	CCB094	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 13:38:25	DataFile Name :	018CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.15	0.12	0.05	0.11	51.57	ppb
Lead	207-1	0.11	0.10	0.09	0.10	10.13	ppb
Lead	208-1	0.13	0.09	0.07	0.10	29.75	ppb
Lithium	6-1				103		%
Magnesium	24-2	8.34	7.97	9.83	8.71	11.25	ppb
Manganese	55-2	0.22	0.19	0.24	0.22	11.02	ppb
Molybdenum	94-1	0.50	0.50	0.45	0.48	5.81	ppb
Molybdenum	95-1	0.30	0.27	0.28	0.28	4.73	ppb
Molybdenum	96-1	0.42	0.32	0.29	0.34	20.49	ppb
Molybdenum	97-1	0.30	0.26	0.29	0.28	7.14	ppb
Molybdenum	98-1	0.33	0.29	0.28	0.30	8.92	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.05	0.06	0.05	0.05	11.35	ppb
Phosphorus	31-2	-4.95	-4.77	-12.46	-7.39		ppb
Potassium	39-2	2.82	0.12	5.88	2.94	97.87	ppb
Rhodium	103-1				95		%
Rhodium	103-2				95		%
Scandium	45-1				93		%
Scandium	45-2				93		%
Selenium	82-1	-0.74	-0.53	0.02	-0.42		ppb
Selenium	77-2	0.86	0.23	-0.39	0.23	269.81	ppb
Selenium	78-2	0.50	-2.20	-1.00	-0.90		ppb
Silicon	28-1	-1.68	-4.46	-3.07	-3.07		ppb
Silver	107-1	0.07	0.05	0.03	0.05	34.20	ppb
Silver	109-1	0.06	0.04	0.04	0.05	14.72	ppb
Sodium	23-2	47.15	43.45	43.96	44.85	4.47	ppb
Strontium	86-1	0.50	0.34	0.37	0.40	20.99	ppb
Strontium	88-1	0.47	0.34	0.30	0.37	24.02	ppb
Sulfur	34-1	-115.28	-254.09	-139.49	-169.62		ppb
Terbium	159-1				104		%
Terbium	159-2				99		%
Thallium	203-1	0.07	0.07	0.06	0.07	14.00	ppb
Thallium	205-1	0.08	0.05	0.05	0.06	21.46	ppb
Tin	118-1	0.04	0.07	0.05	0.05	25.41	ppb
Titanium	47-1	0.31	0.24	0.20	0.25	22.55	ppb

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	CCB094	Instrumnet Name :	P7
Client Sample ID :	CCB094	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 13:38:25	DataFile Name :	018CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.02	0.01	0.01	0.01	17.87	ppb
Vanadium	51-2	0.02	0.02	0.02	0.02	15.57	ppb
Yttrium	89-1				97		%
Yttrium	89-2				93		%
Zinc	66-2	0.42	0.57	0.64	0.54	20.44	ppb
Zirconium	90-1	0.14	0.11	0.13	0.13	11.09	ppb
Zirconium	91-1	0.12	0.15	0.17	0.15	15.27	ppb

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	P2816-01A	Instrumnet Name :	P7
Client Sample ID :	MYD4J8ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 13:52:29	DataFile Name :	020SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	34542.87	33842.84	34716.11	34367.28	1.35	ppb
Antimony	121-1	0.83	0.81	0.82	0.82	1.36	ppb
Arsenic	75-2	219.63	218.82	222.13	220.20	0.78	ppb
Barium	135-1	232.44	237.27	232.63	234.11	1.17	ppb
Barium	137-1	233.42	234.14	233.99	233.85	0.16	ppb
Beryllium	9-1	1.25	1.39	1.24	1.29	6.42	ppb
Bismuth	209-1				106		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.80	1.86	1.59	1.75	8.08	ppb
Cadmium	106-1	1.25	-0.27	-0.65	0.11	905.90	ppb
Cadmium	111-1	0.81	0.69	0.67	0.72	10.51	ppb
Calcium	43-1	13283.45	13272.76	13402.06	13319.42	0.54	ppb
Calcium	44-1	12853.37	13063.33	12712.07	12876.26	1.37	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	37.38	37.03	37.87	37.43	1.12	ppb
Cobalt	59-2	31.65	31.18	32.05	31.63	1.37	ppb
Copper	63-2	108.35	103.13	106.25	105.91	2.48	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				101		%
Indium	115-1				101		%
Indium	115-2				95		%
Iron	56-2	79969.85	78307.37	79925.20	79400.81	1.19	ppb
Iron	57-2	80241.80	77122.19	80504.17	79289.39	2.37	ppb
Iron	54-2	79736.87	78613.15	80879.40	79743.14	1.42	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	P2816-01A	Instrumnet Name :	P7
Client Sample ID :	MYD4J8ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 13:52:29	DataFile Name :	020SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	38.60	39.89	39.69	39.39	1.77	ppb
Lead	207-1	38.32	39.10	39.79	39.07	1.88	ppb
Lead	208-1	38.39	38.94	39.86	39.06	1.89	ppb
Lithium	6-1				108		%
Magnesium	24-2	12528.05	12332.60	13072.42	12644.36	3.03	ppb
Manganese	55-2	1421.94	1399.02	1420.57	1413.84	0.91	ppb
Molybdenum	94-1	14.60	14.14	14.59	14.45	1.83	ppb
Molybdenum	95-1	0.84	0.85	0.87	0.85	1.35	ppb
Molybdenum	96-1	2.82	2.77	2.84	2.81	1.25	ppb
Molybdenum	97-1	0.85	0.92	0.99	0.92	7.32	ppb
Molybdenum	98-1	0.85	0.85	0.82	0.84	1.95	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	34.03	34.57	33.96	34.18	0.97	ppb
Phosphorus	31-2	1991.44	2023.92	2080.98	2032.11	2.23	ppb
Potassium	39-2	5260.56	5154.52	5305.74	5240.28	1.48	ppb
Rhodium	103-1				97		%
Rhodium	103-2				96		%
Scandium	45-1				105		%
Scandium	45-2				104		%
Selenium	82-1	-0.50	0.06	0.02	-0.14		ppb
Selenium	77-2	11.35	15.15	8.65	11.72	27.85	ppb
Selenium	78-2	1.73	1.68	1.64	1.68	2.65	ppb
Silicon	28-1	7896.74	7861.02	7878.15	7878.63	0.23	ppb
Silver	107-1	0.29	0.30	0.32	0.30	4.87	ppb
Silver	109-1	0.28	0.30	0.30	0.30	3.50	ppb
Sodium	23-2	191.40	189.18	196.83	192.47	2.04	ppb
Strontium	86-1	54.84	55.34	56.73	55.64	1.76	ppb
Strontium	88-1	55.61	55.23	57.06	55.97	1.72	ppb
Sulfur	34-1	-297.87	-568.40	-758.41	-541.56		ppb
Terbium	159-1				105		%
Terbium	159-2				100		%
Thallium	203-1	0.26	0.25	0.23	0.25	5.71	ppb
Thallium	205-1	0.25	0.24	0.26	0.25	3.73	ppb
Tin	118-1	1.43	1.53	1.42	1.46	4.15	ppb
Titanium	47-1	1146.96	1150.46	1152.46	1149.96	0.24	ppb

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	P2816-01A	Instrumnet Name :	P7
Client Sample ID :	MYD4J8ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 13:52:29	DataFile Name :	020SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.66	0.65	0.68	0.66	1.85	ppb
Vanadium	51-2	147.47	145.87	150.97	148.10	1.76	ppb
Yttrium	89-1				109		%
Yttrium	89-2				103		%
Zinc	66-2	200.05	196.28	205.49	200.60	2.31	ppb
Zirconium	90-1	8.06	8.08	8.29	8.14	1.56	ppb
Zirconium	91-1	7.94	8.00	8.24	8.06	1.98	ppb

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	P2823-01ADLX4	Instrumnet Name :	P7
Client Sample ID :	MYD5X1ARE	Dilution Factor :	4
Date & Time Acquired :	2024-10-18 14:06:11	DataFile Name :	021SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	6941.07	6834.82	6969.52	6915.14	1.03	ppb
Antimony	121-1	0.21	0.19	0.22	0.21	7.94	ppb
Arsenic	75-2	9.36	9.70	9.84	9.63	2.58	ppb
Barium	135-1	245.40	210.32	218.20	224.64	8.19	ppb
Barium	137-1	247.33	213.60	218.64	226.52	8.03	ppb
Beryllium	9-1	0.32	0.29	0.28	0.30	6.79	ppb
Bismuth	209-1				100		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.53	0.36	0.46	0.45	19.85	ppb
Cadmium	106-1	-1.66	-1.54	-2.75	-1.98		ppb
Cadmium	111-1	0.07	0.10	-0.01	0.05	101.95	ppb
Calcium	43-1	4315.27	3695.94	3723.60	3911.61	8.94	ppb
Calcium	44-1	4410.18	3762.33	3783.94	3985.48	9.23	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	12.03	11.82	11.57	11.81	1.93	ppb
Cobalt	59-2	6.63	6.59	6.48	6.56	1.13	ppb
Copper	63-2	19.78	19.55	19.78	19.71	0.68	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				99		%
Indium	115-1				95		%
Indium	115-2				95		%
Iron	56-2	14633.07	14357.53	14636.25	14542.28	1.10	ppb
Iron	57-2	15299.90	14980.05	15360.88	15213.61	1.34	ppb
Iron	54-2	15354.13	15163.64	15430.68	15316.15	0.90	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	P2823-01ADLX4	Instrumnet Name :	P7
Client Sample ID :	MYD5X1ARE	Dilution Factor :	4
Date & Time Acquired :	2024-10-18 14:06:11	DataFile Name :	021SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	18.69	15.82	16.75	17.09	8.55	ppb
Lead	207-1	18.95	16.49	16.85	17.43	7.62	ppb
Lead	208-1	18.73	16.11	16.62	17.15	8.10	ppb
Lithium	6-1				99		%
Magnesium	24-2	2883.52	2856.68	2896.23	2878.81	0.70	ppb
Manganese	55-2	327.57	325.60	329.73	327.64	0.63	ppb
Molybdenum	94-1	4.30	3.55	3.64	3.83	10.64	ppb
Molybdenum	95-1	0.22	0.20	0.19	0.20	8.52	ppb
Molybdenum	96-1	0.73	0.66	0.69	0.69	5.08	ppb
Molybdenum	97-1	0.22	0.25	0.18	0.22	16.14	ppb
Molybdenum	98-1	0.20	0.20	0.21	0.20	1.84	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	11.81	11.66	12.16	11.88	2.13	ppb
Phosphorus	31-2	402.86	361.55	383.99	382.80	5.40	ppb
Potassium	39-2	1410.86	1397.77	1416.96	1408.53	0.70	ppb
Rhodium	103-1				93		%
Rhodium	103-2				96		%
Scandium	45-1				94		%
Scandium	45-2				97		%
Selenium	82-1	-0.79	-0.88	-0.15	-0.61		ppb
Selenium	77-2	1.40	3.17	2.58	2.39	37.88	ppb
Selenium	78-2	2.23	0.03	0.76	1.01	111.60	ppb
Silicon	28-1	2144.66	1845.11	1845.45	1945.07	8.89	ppb
Silver	107-1	0.11	0.09	0.11	0.10	9.92	ppb
Silver	109-1	0.12	0.09	0.11	0.10	16.24	ppb
Sodium	23-2	98.69	96.48	97.97	97.72	1.15	ppb
Strontium	86-1	21.19	18.00	18.35	19.18	9.13	ppb
Strontium	88-1	20.78	18.12	18.29	19.06	7.81	ppb
Sulfur	34-1	231.25	-849.76	-900.02	-506.18		ppb
Terbium	159-1				99		%
Terbium	159-2				100		%
Thallium	203-1	0.07	0.06	0.06	0.06	13.91	ppb
Thallium	205-1	0.08	0.06	0.06	0.07	11.67	ppb
Tin	118-1	1.27	1.07	1.05	1.13	10.73	ppb
Titanium	47-1	310.50	264.56	264.92	279.99	9.44	ppb

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	P2823-01ADLX4	Instrumnet Name :	P7
Client Sample ID :	MYD5X1ARE	Dilution Factor :	4
Date & Time Acquired :	2024-10-18 14:06:11	DataFile Name :	021SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.27	0.24	0.25	0.25	7.56	ppb
Vanadium	51-2	80.47	79.33	80.22	80.01	0.75	ppb
Yttrium	89-1				97		%
Yttrium	89-2				97		%
Zinc	66-2	66.43	65.35	66.04	65.94	0.83	ppb
Zirconium	90-1	2.41	2.12	2.14	2.22	7.26	ppb
Zirconium	91-1	2.35	2.13	2.13	2.20	5.64	ppb

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	P2824-01A	Instrumnet Name :	P7
Client Sample ID :	MYD5K5ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 14:09:32	DataFile Name :	022SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	41527.31	42364.27	40855.12	41582.23	1.82	ppb
Antimony	121-1	1.24	1.32	1.28	1.28	3.20	ppb
Arsenic	75-2	167.54	168.47	167.16	167.72	0.40	ppb
Barium	135-1	431.61	450.00	446.08	442.56	2.19	ppb
Barium	137-1	440.98	444.42	445.26	443.55	0.51	ppb
Beryllium	9-1	1.23	1.13	1.18	1.18	4.03	ppb
Bismuth	209-1				104		%
Bismuth	209-2				96		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.95	1.70	1.04	1.56	30.23	ppb
Cadmium	106-1	1.18	1.85	0.84	1.29	40.24	ppb
Cadmium	111-1	0.81	0.88	0.88	0.86	4.38	ppb
Calcium	43-1	8589.03	8618.68	8691.13	8632.95	0.61	ppb
Calcium	44-1	8243.09	8191.73	8264.87	8233.23	0.46	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	132.52	132.82	131.13	132.16	0.68	ppb
Cobalt	59-2	75.16	75.57	73.94	74.89	1.13	ppb
Copper	63-2	183.62	186.61	181.72	183.98	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				106		%
Holmium	165-2				98		%
Indium	115-1				99		%
Indium	115-2				93		%
Iron	56-2	163364.44	166089.85	161858.17	163770.82	1.31	ppb
Iron	57-2	164595.50	164759.34	161938.52	163764.45	0.97	ppb
Iron	54-2	165819.20	167386.27	164548.44	165917.97	0.86	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	P2824-01A	Instrumnet Name :	P7
Client Sample ID :	MYD5K5ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 14:09:32	DataFile Name :	022SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	50.23	52.11	50.44	50.92	2.02	ppb
Lead	207-1	52.25	52.52	50.94	51.90	1.63	ppb
Lead	208-1	51.05	51.65	50.62	51.11	1.02	ppb
Lithium	6-1				106		%
Magnesium	24-2	24126.35	24197.68	23890.41	24071.48	0.67	ppb
Manganese	55-2	8009.84	8207.84	8077.07	8098.25	1.24	ppb
Molybdenum	94-1	15.36	15.37	15.49	15.41	0.47	ppb
Molybdenum	95-1	1.96	2.00	1.94	1.97	1.49	ppb
Molybdenum	96-1	4.57	4.51	4.22	4.43	4.12	ppb
Molybdenum	97-1	1.87	1.94	1.82	1.88	3.02	ppb
Molybdenum	98-1	1.82	1.92	1.79	1.84	3.84	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	97.42	99.80	97.83	98.35	1.30	ppb
Phosphorus	31-2	1782.07	1776.14	1657.56	1738.59	4.04	ppb
Potassium	39-2	8569.08	8733.44	8475.46	8592.66	1.52	ppb
Rhodium	103-1				98		%
Rhodium	103-2				93		%
Scandium	45-1				110		%
Scandium	45-2				105		%
Selenium	82-1	12.15	12.03	12.13	12.11	0.53	ppb
Selenium	77-2	22.63	20.14	20.03	20.94	7.03	ppb
Selenium	78-2	13.89	18.38	12.91	15.06	19.35	ppb
Silicon	28-1	5701.93	5630.67	5693.03	5675.21	0.68	ppb
Silver	107-1	0.25	0.27	0.28	0.27	5.36	ppb
Silver	109-1	0.20	0.27	0.26	0.25	14.65	ppb
Sodium	23-2	182.87	184.51	185.49	184.29	0.72	ppb
Strontium	86-1	75.21	77.23	76.10	76.18	1.33	ppb
Strontium	88-1	75.85	75.88	75.26	75.66	0.46	ppb
Sulfur	34-1	-1301.00	-1350.35	-1405.13	-1352.16		ppb
Terbium	159-1				105		%
Terbium	159-2				99		%
Thallium	203-1	0.29	0.35	0.33	0.32	9.90	ppb
Thallium	205-1	0.31	0.32	0.32	0.32	2.75	ppb
Tin	118-1	2.28	2.28	2.31	2.29	0.87	ppb
Titanium	47-1	829.16	822.63	818.77	823.52	0.64	ppb

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	P2824-01A	Instrumnet Name :	P7
Client Sample ID :	MYD5K5ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 14:09:32	DataFile Name :	022SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.82	0.85	0.83	0.83	1.52	ppb
Vanadium	51-2	266.74	272.43	265.73	268.30	1.35	ppb
Yttrium	89-1				107		%
Yttrium	89-2				100		%
Zinc	66-2	285.90	289.43	286.38	287.23	0.67	ppb
Zirconium	90-1	8.24	8.43	8.24	8.30	1.29	ppb
Zirconium	91-1	8.46	8.35	8.26	8.36	1.22	ppb

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	P2827-10DLX4	Instrumnet Name :	P7
Client Sample ID :	MYD5Y3	Dilution Factor :	4
Date & Time Acquired :	2024-10-18 14:23:04	DataFile Name :	023SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	11813.86	11555.91	11789.48	11719.75	1.22	ppb
Antimony	121-1	0.07	0.06	0.06	0.06	6.52	ppb
Arsenic	75-2	7.75	8.19	8.39	8.11	4.03	ppb
Barium	135-1	136.37	135.29	135.43	135.70	0.43	ppb
Barium	137-1	136.24	136.84	135.65	136.24	0.44	ppb
Beryllium	9-1	0.51	0.43	0.58	0.51	14.73	ppb
Bismuth	209-1				102		%
Bismuth	209-2				92		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.60	0.19	0.23	0.34	67.23	ppb
Cadmium	106-1	-2.23	-1.54	-1.82	-1.86		ppb
Cadmium	111-1	-0.04	-0.03	0.00	-0.02		ppb
Calcium	43-1	4480.22	4445.82	4487.29	4471.11	0.50	ppb
Calcium	44-1	4513.19	4511.86	4531.50	4518.85	0.24	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	14.59	14.57	14.80	14.65	0.90	ppb
Cobalt	59-2	8.87	8.61	8.84	8.77	1.64	ppb
Copper	63-2	21.33	20.76	21.14	21.08	1.38	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				96		%
Indium	115-1				98		%
Indium	115-2				91		%
Iron	56-2	17833.29	17487.02	17967.03	17762.45	1.39	ppb
Iron	57-2	18783.66	18376.86	18732.86	18631.13	1.19	ppb
Iron	54-2	18902.46	18575.86	18981.27	18819.86	1.14	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	P2827-10DLX4	Instrumnet Name :	P7
Client Sample ID :	MYD5Y3	Dilution Factor :	4
Date & Time Acquired :	2024-10-18 14:23:04	DataFile Name :	023SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	10.05	10.43	10.45	10.31	2.21	ppb
Lead	207-1	10.06	10.13	10.08	10.09	0.35	ppb
Lead	208-1	9.90	10.18	10.11	10.07	1.46	ppb
Lithium	6-1				102		%
Magnesium	24-2	4549.64	4432.06	4571.75	4517.81	1.66	ppb
Manganese	55-2	498.38	495.24	506.23	499.95	1.13	ppb
Molybdenum	94-1	3.79	3.72	3.73	3.75	1.07	ppb
Molybdenum	95-1	0.15	0.13	0.16	0.15	12.21	ppb
Molybdenum	96-1	0.65	0.64	0.63	0.64	1.34	ppb
Molybdenum	97-1	0.15	0.17	0.15	0.16	9.46	ppb
Molybdenum	98-1	0.13	0.15	0.14	0.14	6.92	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	13.43	12.83	12.84	13.04	2.65	ppb
Phosphorus	31-2	581.26	527.64	574.69	561.20	5.21	ppb
Potassium	39-2	1458.46	1432.22	1472.31	1454.33	1.40	ppb
Rhodium	103-1				96		%
Rhodium	103-2				92		%
Scandium	45-1				97		%
Scandium	45-2				94		%
Selenium	82-1	-0.09	-0.26	-0.04	-0.13		ppb
Selenium	77-2	2.69	5.72	2.69	3.70	47.29	ppb
Selenium	78-2	0.61	-1.11	-1.26	-0.59		ppb
Silicon	28-1	2119.35	2158.56	2171.54	2149.82	1.26	ppb
Silver	107-1	0.04	0.05	0.05	0.05	12.67	ppb
Silver	109-1	0.04	0.05	0.05	0.05	16.68	ppb
Sodium	23-2	60.55	56.15	59.67	58.79	3.96	ppb
Strontium	86-1	25.12	25.23	25.36	25.24	0.47	ppb
Strontium	88-1	24.97	25.21	25.30	25.16	0.67	ppb
Sulfur	34-1	-900.16	-1073.26	-1173.05	-1048.83		ppb
Terbium	159-1				101		%
Terbium	159-2				95		%
Thallium	203-1	0.09	0.07	0.07	0.08	18.83	ppb
Thallium	205-1	0.07	0.08	0.08	0.08	3.02	ppb
Tin	118-1	0.67	0.64	0.64	0.65	2.56	ppb
Titanium	47-1	103.98	107.02	107.42	106.14	1.77	ppb

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	P2827-10DLX4	Instrumnet Name :	P7
Client Sample ID :	MYD5Y3	Dilution Factor :	4
Date & Time Acquired :	2024-10-18 14:23:04	DataFile Name :	023SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.21	0.22	0.21	0.21	2.19	ppb
Vanadium	51-2	29.69	29.57	29.97	29.74	0.69	ppb
Yttrium	89-1				101		%
Yttrium	89-2				94		%
Zinc	66-2	48.16	47.64	47.21	47.67	1.00	ppb
Zirconium	90-1	2.15	2.18	2.17	2.16	0.73	ppb
Zirconium	91-1	2.17	2.13	2.21	2.17	1.87	ppb

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	P2827-11DLX4	Instrumnet Name :	P7
Client Sample ID :	MYD5Y3D	Dilution Factor :	4
Date & Time Acquired :	2024-10-18 14:26:25	DataFile Name :	024SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	11860.65	11828.31	11730.92	11806.63	0.57	ppb
Antimony	121-1	0.07	0.07	0.06	0.07	3.42	ppb
Arsenic	75-2	8.05	8.18	8.13	8.12	0.81	ppb
Barium	135-1	135.56	135.11	134.41	135.03	0.43	ppb
Barium	137-1	136.32	134.74	135.18	135.41	0.60	ppb
Beryllium	9-1	0.58	0.66	0.56	0.60	9.43	ppb
Bismuth	209-1				101		%
Bismuth	209-2				96		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.19	0.09	0.51	0.26	83.36	ppb
Cadmium	106-1	0.02	-0.74	-1.61	-0.77		ppb
Cadmium	111-1	0.13	0.06	-0.05	0.05	201.52	ppb
Calcium	43-1	4552.63	4534.52	4620.86	4569.34	1.00	ppb
Calcium	44-1	4609.81	4586.14	4647.29	4614.41	0.67	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	16.71	17.32	16.45	16.83	2.66	ppb
Cobalt	59-2	8.83	8.81	8.69	8.78	0.90	ppb
Copper	63-2	21.03	21.32	21.05	21.13	0.77	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				96		%
Indium	115-1				96		%
Indium	115-2				91		%
Iron	56-2	18027.93	17976.41	17621.38	17875.24	1.24	ppb
Iron	57-2	18887.60	18632.76	18554.45	18691.60	0.93	ppb
Iron	54-2	19054.64	18775.75	18782.78	18871.06	0.84	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	P2827-11DLX4	Instrumnet Name :	P7
Client Sample ID :	MYD5Y3D	Dilution Factor :	4
Date & Time Acquired :	2024-10-18 14:26:25	DataFile Name :	024SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	10.46	10.42	10.84	10.58	2.20	ppb
Lead	207-1	10.21	10.02	10.60	10.28	2.91	ppb
Lead	208-1	10.24	10.10	10.53	10.29	2.11	ppb
Lithium	6-1				101		%
Magnesium	24-2	4609.65	4574.45	4493.08	4559.06	1.31	ppb
Manganese	55-2	498.49	497.42	495.42	497.11	0.31	ppb
Molybdenum	94-1	3.90	4.00	3.96	3.95	1.33	ppb
Molybdenum	95-1	0.14	0.16	0.15	0.15	8.02	ppb
Molybdenum	96-1	0.71	0.72	0.74	0.73	2.39	ppb
Molybdenum	97-1	0.17	0.18	0.23	0.19	14.80	ppb
Molybdenum	98-1	0.17	0.17	0.17	0.17	1.47	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	15.75	13.91	14.47	14.71	6.43	ppb
Phosphorus	31-2	528.13	551.63	536.92	538.89	2.20	ppb
Potassium	39-2	1479.67	1475.20	1443.57	1466.15	1.34	ppb
Rhodium	103-1				95		%
Rhodium	103-2				91		%
Scandium	45-1				95		%
Scandium	45-2				94		%
Selenium	82-1	0.40	0.26	-0.50	0.05	905.77	ppb
Selenium	77-2	4.52	5.80	3.32	4.55	27.27	ppb
Selenium	78-2	-1.84	1.21	0.45	-0.06		ppb
Silicon	28-1	2186.52	2187.49	2195.48	2189.83	0.22	ppb
Silver	107-1	0.05	0.04	0.04	0.04	11.14	ppb
Silver	109-1	0.05	0.04	0.05	0.05	10.34	ppb
Sodium	23-2	65.69	63.33	66.19	65.07	2.35	ppb
Strontium	86-1	25.85	26.34	26.35	26.18	1.10	ppb
Strontium	88-1	25.79	26.22	26.19	26.07	0.92	ppb
Sulfur	34-1	-1402.87	-1507.61	-1388.49	-1432.99		ppb
Terbium	159-1				101		%
Terbium	159-2				96		%
Thallium	203-1	0.06	0.07	0.08	0.07	11.24	ppb
Thallium	205-1	0.07	0.08	0.08	0.07	6.36	ppb
Tin	118-1	0.63	0.62	0.59	0.61	2.82	ppb
Titanium	47-1	106.19	105.93	106.93	106.35	0.49	ppb

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	P2827-11DLX4	Instrumnet Name :	P7
Client Sample ID :	MYD5Y3D	Dilution Factor :	4
Date & Time Acquired :	2024-10-18 14:26:25	DataFile Name :	024SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.21	0.21	0.22	0.21	2.19	ppb
Vanadium	51-2	30.55	30.07	29.93	30.18	1.07	ppb
Yttrium	89-1				98		%
Yttrium	89-2				94		%
Zinc	66-2	48.00	47.41	47.02	47.48	1.05	ppb
Zirconium	90-1	2.14	2.27	2.27	2.23	3.33	ppb
Zirconium	91-1	2.22	2.14	2.21	2.19	1.94	ppb

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	P2827-10LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYD5Y3L	Dilution Factor :	20
Date & Time Acquired :	2024-10-18 14:29:50	DataFile Name :	025SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2290.57	2275.59	2288.75	2284.97	0.36	ppb
Antimony	121-1	0.02	0.01	0.01	0.01	9.11	ppb
Arsenic	75-2	1.87	1.62	1.73	1.74	7.29	ppb
Barium	135-1	25.88	26.26	26.98	26.38	2.12	ppb
Barium	137-1	26.13	26.75	26.78	26.55	1.39	ppb
Beryllium	9-1	0.03	0.05	0.16	0.08	81.46	ppb
Bismuth	209-1				105		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.00	0.05	-0.05	0.00	9481.12	ppb
Cadmium	106-1	-2.97	-0.64	-1.72	-1.77		ppb
Cadmium	111-1	-0.19	-0.02	-0.10	-0.10		ppb
Calcium	43-1	867.30	863.69	878.12	869.70	0.86	ppb
Calcium	44-1	878.93	874.68	887.20	880.27	0.72	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.92	2.93	2.95	2.94	0.52	ppb
Cobalt	59-2	1.79	1.72	1.65	1.72	3.96	ppb
Copper	63-2	4.18	4.00	4.10	4.09	2.18	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				98		%
Indium	115-1				98		%
Indium	115-2				94		%
Iron	56-2	3545.92	3502.57	3499.52	3516.01	0.74	ppb
Iron	57-2	3705.94	3687.77	3666.13	3686.61	0.54	ppb
Iron	54-2	3684.40	3651.31	3725.66	3687.12	1.01	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	P2827-10LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYD5Y3L	Dilution Factor :	20
Date & Time Acquired :	2024-10-18 14:29:50	DataFile Name :	025SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1.90	1.95	1.99	1.95	2.48	ppb
Lead	207-1	1.84	1.85	1.91	1.87	1.99	ppb
Lead	208-1	1.84	1.86	1.92	1.88	2.26	ppb
Lithium	6-1				101		%
Magnesium	24-2	881.77	879.88	890.26	883.97	0.63	ppb
Manganese	55-2	99.47	96.89	98.32	98.23	1.32	ppb
Molybdenum	94-1	0.65	0.81	0.78	0.75	11.27	ppb
Molybdenum	95-1	0.02	0.02	0.03	0.02	38.42	ppb
Molybdenum	96-1	0.13	0.14	0.14	0.13	5.20	ppb
Molybdenum	97-1	0.04	0.03	0.03	0.03	22.05	ppb
Molybdenum	98-1	0.01	0.02	0.04	0.02	50.54	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.74	2.94	2.79	2.82	3.58	ppb
Phosphorus	31-2	101.26	94.24	97.77	97.76	3.59	ppb
Potassium	39-2	281.55	271.40	274.54	275.83	1.88	ppb
Rhodium	103-1				95		%
Rhodium	103-2				95		%
Scandium	45-1				94		%
Scandium	45-2				94		%
Selenium	82-1	-0.23	-0.88	-0.47	-0.53		ppb
Selenium	77-2	-0.39	0.21	1.48	0.43	219.53	ppb
Selenium	78-2	0.98	-0.61	-1.02	-0.22		ppb
Silicon	28-1	412.45	415.39	420.06	415.96	0.92	ppb
Silver	107-1	0.01	0.01	0.02	0.01	33.94	ppb
Silver	109-1	0.01	0.01	0.01	0.01	23.66	ppb
Sodium	23-2	22.88	21.82	22.33	22.34	2.36	ppb
Strontium	86-1	4.90	5.09	5.19	5.06	2.87	ppb
Strontium	88-1	5.06	4.95	5.08	5.03	1.34	ppb
Sulfur	34-1	-1676.98	-1712.21	-1649.96	-1679.72		ppb
Terbium	159-1				101		%
Terbium	159-2				97		%
Thallium	203-1	0.01	0.01	0.02	0.02	31.20	ppb
Thallium	205-1	0.01	0.01	0.02	0.02	29.06	ppb
Tin	118-1	0.14	0.14	0.16	0.15	8.50	ppb
Titanium	47-1	19.95	20.81	20.85	20.54	2.47	ppb

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	P2827-10LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYD5Y3L	Dilution Factor :	20
Date & Time Acquired :	2024-10-18 14:29:50	DataFile Name :	025SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.04	0.04	0.04	0.04	4.86	ppb
Vanadium	51-2	5.69	5.66	5.92	5.75	2.51	ppb
Yttrium	89-1				97		%
Yttrium	89-2				94		%
Zinc	66-2	9.61	9.51	9.79	9.64	1.48	ppb
Zirconium	90-1	0.43	0.46	0.44	0.44	2.93	ppb
Zirconium	91-1	0.45	0.47	0.43	0.45	4.23	ppb

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	P2827-12DLX4	Instrumnet Name :	P7
Client Sample ID :	MYD5Y3S	Dilution Factor :	4
Date & Time Acquired :	2024-10-18 14:33:11	DataFile Name :	026SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	12178.48	12101.23	12231.99	12170.57	0.54	ppb
Antimony	121-1	15.81	16.10	15.81	15.91	1.04	ppb
Arsenic	75-2	15.22	15.80	15.05	15.36	2.55	ppb
Barium	135-1	437.18	445.70	441.38	441.42	0.97	ppb
Barium	137-1	436.97	444.51	441.58	441.02	0.86	ppb
Beryllium	9-1	8.69	8.72	8.90	8.77	1.32	ppb
Bismuth	209-1				104		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	8.60	7.41	7.75	7.92	7.79	ppb
Cadmium	106-1	5.93	7.07	6.59	6.53	8.81	ppb
Cadmium	111-1	8.16	8.53	8.46	8.38	2.32	ppb
Calcium	43-1	4767.43	4672.25	4883.54	4774.41	2.22	ppb
Calcium	44-1	4893.42	4844.59	4891.03	4876.34	0.56	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	48.82	49.50	49.31	49.21	0.71	ppb
Cobalt	59-2	91.59	92.01	91.89	91.83	0.24	ppb
Copper	63-2	60.92	60.82	61.20	60.98	0.32	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				97		%
Indium	115-1				98		%
Indium	115-2				92		%
Iron	56-2	18974.74	19108.82	19049.01	19044.19	0.35	ppb
Iron	57-2	19629.84	19711.78	19869.08	19736.90	0.62	ppb
Iron	54-2	19943.08	19934.71	19957.34	19945.04	0.06	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	P2827-12DLX4	Instrumnet Name :	P7
Client Sample ID :	MYD5Y3S	Dilution Factor :	4
Date & Time Acquired :	2024-10-18 14:33:11	DataFile Name :	026SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	13.94	14.17	14.35	14.15	1.45	ppb
Lead	207-1	13.62	13.68	13.68	13.66	0.25	ppb
Lead	208-1	13.61	13.67	13.81	13.70	0.74	ppb
Lithium	6-1				100		%
Magnesium	24-2	4715.02	4739.32	4783.98	4746.11	0.74	ppb
Manganese	55-2	622.26	624.05	621.19	622.50	0.23	ppb
Molybdenum	94-1	3.87	3.49	3.98	3.78	6.79	ppb
Molybdenum	95-1	0.16	0.20	0.19	0.19	10.44	ppb
Molybdenum	96-1	0.69	0.70	0.75	0.71	4.19	ppb
Molybdenum	97-1	0.21	0.19	0.18	0.19	9.00	ppb
Molybdenum	98-1	0.19	0.17	0.21	0.19	8.94	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	98.97	99.69	99.98	99.55	0.52	ppb
Phosphorus	31-2	617.32	595.85	586.28	599.82	2.65	ppb
Potassium	39-2	1533.80	1526.54	1551.60	1537.31	0.84	ppb
Rhodium	103-1				95		%
Rhodium	103-2				93		%
Scandium	45-1				95		%
Scandium	45-2				94		%
Selenium	82-1	17.01	17.76	16.65	17.14	3.31	ppb
Selenium	77-2	24.30	23.22	15.27	20.93	23.58	ppb
Selenium	78-2	15.90	20.08	17.73	17.90	11.69	ppb
Silicon	28-1	2180.66	2158.81	2166.08	2168.52	0.51	ppb
Silver	107-1	7.86	8.08	7.90	7.95	1.51	ppb
Silver	109-1	7.84	8.00	7.95	7.93	1.05	ppb
Sodium	23-2	60.48	62.42	66.11	63.00	4.53	ppb
Strontium	86-1	26.80	26.72	27.18	26.90	0.92	ppb
Strontium	88-1	26.87	26.95	27.45	27.09	1.15	ppb
Sulfur	34-1	-1659.30	-1916.75	-1746.52	-1774.19		ppb
Terbium	159-1				103		%
Terbium	159-2				96		%
Thallium	203-1	7.02	7.09	7.21	7.11	1.37	ppb
Thallium	205-1	7.05	7.09	7.12	7.08	0.49	ppb
Tin	118-1	0.70	0.77	0.68	0.72	6.73	ppb
Titanium	47-1	114.47	113.08	116.62	114.72	1.56	ppb

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	P2827-12DLX4	Instrumnet Name :	P7
Client Sample ID :	MYD5Y3S	Dilution Factor :	4
Date & Time Acquired :	2024-10-18 14:33:11	DataFile Name :	026SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.23	0.23	0.22	0.23	2.14	ppb
Vanadium	51-2	112.29	112.51	111.90	112.24	0.27	ppb
Yttrium	89-1				100		%
Yttrium	89-2				96		%
Zinc	66-2	131.80	131.97	134.15	132.64	0.99	ppb
Zirconium	90-1	2.13	2.12	2.21	2.15	2.25	ppb
Zirconium	91-1	2.20	2.15	2.14	2.17	1.58	ppb

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	P2827-10MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYD5Y3SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-18 14:36:40	DataFile Name :	027SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	12800.76	12761.38	12879.26	12813.80	0.47	ppb
Antimony	121-1	78.28	79.68	78.15	78.71	1.08	ppb
Arsenic	75-2	37.66	37.32	38.74	37.91	1.96	ppb
Barium	135-1	1749.26	1746.53	1691.37	1729.05	1.89	ppb
Barium	137-1	1721.84	1706.94	1726.22	1718.34	0.59	ppb
Beryllium	9-1	40.95	41.42	39.61	40.66	2.31	ppb
Bismuth	209-1				102		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	37.08	38.69	35.89	37.22	3.77	ppb
Cadmium	106-1	32.97	33.19	32.58	32.92	0.94	ppb
Cadmium	111-1	40.95	40.83	40.67	40.82	0.35	ppb
Calcium	43-1	4723.74	4756.12	4687.11	4722.32	0.73	ppb
Calcium	44-1	4768.33	4882.90	4751.74	4800.99	1.49	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	171.87	172.44	174.30	172.87	0.74	ppb
Cobalt	59-2	401.52	399.77	404.96	402.09	0.66	ppb
Copper	63-2	208.42	207.58	210.18	208.73	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				100		%
Holmium	165-2				96		%
Indium	115-1				97		%
Indium	115-2				92		%
Iron	56-2	18728.33	18626.53	18958.90	18771.25	0.91	ppb
Iron	57-2	19689.57	19683.41	19956.17	19776.38	0.79	ppb
Iron	54-2	19947.26	19912.92	20090.24	19983.47	0.47	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	P2827-10MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYD5Y3SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-18 14:36:40	DataFile Name :	027SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	25.10	25.27	24.47	24.95	1.68	ppb
Lead	207-1	24.59	24.68	23.85	24.37	1.87	ppb
Lead	208-1	24.66	24.94	23.88	24.49	2.25	ppb
Lithium	6-1				97		%
Magnesium	24-2	4533.49	4516.35	4574.94	4541.60	0.66	ppb
Manganese	55-2	905.52	901.84	911.96	906.44	0.57	ppb
Molybdenum	94-1	3.61	3.87	3.74	3.74	3.55	ppb
Molybdenum	95-1	0.20	0.19	0.19	0.20	2.04	ppb
Molybdenum	96-1	0.69	0.67	0.67	0.67	1.53	ppb
Molybdenum	97-1	0.18	0.21	0.15	0.18	16.17	ppb
Molybdenum	98-1	0.18	0.21	0.18	0.19	8.73	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	420.45	415.59	421.00	419.01	0.71	ppb
Phosphorus	31-2	560.37	562.12	590.40	570.96	2.95	ppb
Potassium	39-2	1457.01	1461.27	1480.96	1466.41	0.87	ppb
Rhodium	103-1				92		%
Rhodium	103-2				93		%
Scandium	45-1				92		%
Scandium	45-2				93		%
Selenium	82-1	88.35	90.68	87.96	89.00	1.65	ppb
Selenium	77-2	87.97	84.95	90.32	87.75	3.07	ppb
Selenium	78-2	87.81	82.65	79.64	83.37	4.96	ppb
Silicon	28-1	2105.72	2175.69	2096.27	2125.89	2.04	ppb
Silver	107-1	38.85	39.89	39.10	39.28	1.38	ppb
Silver	109-1	39.69	40.30	39.69	39.89	0.89	ppb
Sodium	23-2	63.13	62.54	71.29	65.65	7.45	ppb
Strontium	86-1	26.85	26.79	25.81	26.49	2.22	ppb
Strontium	88-1	26.56	26.84	26.31	26.57	1.01	ppb
Sulfur	34-1	-1654.65	-1674.21	-1875.58	-1734.81		ppb
Terbium	159-1				99		%
Terbium	159-2				97		%
Thallium	203-1	34.85	35.00	33.71	34.52	2.04	ppb
Thallium	205-1	34.46	34.75	33.41	34.21	2.05	ppb
Tin	118-1	0.76	0.77	0.74	0.76	1.79	ppb
Titanium	47-1	111.61	115.85	113.29	113.58	1.88	ppb

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	P2827-10MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYD5Y3SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-18 14:36:40	DataFile Name :	027SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.21	0.22	0.21	0.22	3.10	ppb
Vanadium	51-2	410.69	411.07	416.03	412.59	0.72	ppb
Yttrium	89-1				97		%
Yttrium	89-2				96		%
Zinc	66-2	434.86	435.85	449.15	439.95	1.81	ppb
Zirconium	90-1	2.07	2.17	2.04	2.09	3.25	ppb
Zirconium	91-1	2.10	2.23	2.07	2.13	4.16	ppb

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	CCV095	Instrumnet Name :	P7
Client Sample ID :	CCV095	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 14:44:37	DataFile Name :	028CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	47392.72	48682.61	47776.55	47950.62	1.38	ppb
Antimony	121-1	503.86	502.17	512.42	506.15	1.09	ppb
Arsenic	75-2	502.17	508.25	505.83	505.42	0.61	ppb
Barium	135-1	2570.00	2554.40	2590.30	2571.57	0.70	ppb
Barium	137-1	2593.21	2533.77	2570.39	2565.79	1.17	ppb
Beryllium	9-1	520.68	521.21	525.02	522.30	0.45	ppb
Bismuth	209-1				93		%
Bismuth	209-2				79		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	485.79	494.44	497.05	492.43	1.20	ppb
Cadmium	106-1	504.80	494.37	501.07	500.08	1.06	ppb
Cadmium	111-1	488.96	487.07	495.93	490.65	0.95	ppb
Calcium	43-1	244242.92	255160.73	252666.76	250690.14	2.28	ppb
Calcium	44-1	245921.34	253937.95	250533.52	250130.94	1.61	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	509.78	514.12	511.22	511.71	0.43	ppb
Cobalt	59-2	538.41	543.35	541.28	541.01	0.46	ppb
Copper	63-2	5249.11	5259.57	5231.25	5246.64	0.27	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				97		%
Holmium	165-2				94		%
Indium	115-1				87		%
Indium	115-2				83		%
Iron	56-2	125863.99	127571.13	126607.14	126680.76	0.68	ppb
Iron	57-2	127341.44	126755.31	125511.87	126536.21	0.74	ppb
Iron	54-2	127121.59	129924.77	127692.58	128246.31	1.16	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	CCV095	Instrumnet Name :	P7
Client Sample ID :	CCV095	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 14:44:37	DataFile Name :	028CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2570.78	2644.66	2603.72	2606.39	1.42	ppb
Lead	207-1	2557.33	2664.35	2604.61	2608.76	2.06	ppb
Lead	208-1	2553.14	2643.98	2589.75	2595.62	1.76	ppb
Lithium	6-1				89		%
Magnesium	24-2	229989.47	230000.38	231478.10	230489.32	0.37	ppb
Manganese	55-2	5105.81	5197.62	5181.49	5161.64	0.95	ppb
Molybdenum	94-1	5203.82	5227.35	5208.07	5213.08	0.24	ppb
Molybdenum	95-1	5112.47	5237.34	5151.58	5167.13	1.24	ppb
Molybdenum	96-1	5160.57	5259.32	5188.29	5202.73	0.98	ppb
Molybdenum	97-1	5108.50	5235.52	5213.69	5185.90	1.31	ppb
Molybdenum	98-1	5139.18	5289.02	5200.46	5209.55	1.45	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	537.22	541.74	538.75	539.24	0.43	ppb
Phosphorus	31-2	9982.25	10340.86	10042.90	10122.00	1.90	ppb
Potassium	39-2	121483.67	122730.97	122040.93	122085.19	0.51	ppb
Rhodium	103-1				81		%
Rhodium	103-2				82		%
Scandium	45-1				85		%
Scandium	45-2				87		%
Selenium	82-1	495.69	493.64	496.22	495.19	0.28	ppb
Selenium	77-2	485.69	502.68	534.08	507.48	4.84	ppb
Selenium	78-2	477.94	505.53	481.29	488.25	3.08	ppb
Silicon	28-1	780.06	821.68	813.32	805.02	2.74	ppb
Silver	107-1	492.35	484.95	491.81	489.70	0.84	ppb
Silver	109-1	489.79	489.47	494.30	491.19	0.55	ppb
Sodium	23-2	242913.88	246295.97	246725.66	245311.83	0.85	ppb
Strontium	86-1	12877.29	13139.83	12899.57	12972.23	1.12	ppb
Strontium	88-1	12936.77	13005.43	12926.38	12956.19	0.33	ppb
Sulfur	34-1	10077.81	10645.09	10572.00	10431.63	2.96	ppb
Terbium	159-1				96		%
Terbium	159-2				93		%
Thallium	203-1	505.56	530.24	520.84	518.88	2.40	ppb
Thallium	205-1	509.01	535.60	523.12	522.58	2.55	ppb
Tin	118-1	522.37	517.68	527.36	522.47	0.93	ppb
Titanium	47-1	4959.64	5192.86	5149.92	5100.81	2.43	ppb

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On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	CCV095	Instrumnet Name :	P7
Client Sample ID :	CCV095	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 14:44:37	DataFile Name :	028CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	521.75	542.40	525.93	530.02	2.06	ppb
Vanadium	51-2	510.14	520.96	516.56	515.89	1.06	ppb
Yttrium	89-1				89		%
Yttrium	89-2				87		%
Zinc	66-2	5227.96	5342.73	5283.07	5284.58	1.09	ppb
Zirconium	90-1	522.92	524.59	526.59	524.70	0.35	ppb
Zirconium	91-1	513.40	520.72	521.22	518.45	0.84	ppb

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	CCB095	Instrumnet Name :	P7
Client Sample ID :	CCB095	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 14:50:48	DataFile Name :	030CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.28	0.61	0.49	0.46	36.69	ppb
Antimony	121-1	0.10	0.11	0.12	0.11	9.81	ppb
Arsenic	75-2	0.05	0.01	-0.01	0.02	150.09	ppb
Barium	135-1	0.03	0.02	0.01	0.02	35.31	ppb
Barium	137-1	0.03	-0.01	0.01	0.01	141.29	ppb
Beryllium	9-1	0.11	0.18	0.13	0.14	27.54	ppb
Bismuth	209-1				109		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.09	0.00	-0.09	-0.06		ppb
Cadmium	106-1	-1.09	-0.03	-2.02	-1.05		ppb
Cadmium	111-1	-0.05	0.01	-0.12	-0.05		ppb
Calcium	43-1	-1.16	-6.19	-4.56	-3.97		ppb
Calcium	44-1	-6.24	-5.68	-5.61	-5.85		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.03	-0.04	-0.03	-0.01		ppb
Cobalt	59-2	0.01	0.02	0.01	0.01	66.73	ppb
Copper	63-2	0.06	0.02	0.03	0.04	50.22	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				101		%
Indium	115-1				101		%
Indium	115-2				94		%
Iron	56-2	2.67	2.72	2.60	2.66	2.27	ppb
Iron	57-2	-0.25	2.13	0.59	0.82	146.50	ppb
Iron	54-2	3.15	1.94	1.11	2.07	49.64	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	CCB095	Instrumnet Name :	P7
Client Sample ID :	CCB095	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 14:50:48	DataFile Name :	030CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.02	0.00	0.00	0.01	168.85	ppb
Lead	207-1	0.00	-0.01	0.03	0.01	244.53	ppb
Lead	208-1	0.01	0.00	0.01	0.01	117.35	ppb
Lithium	6-1				104		%
Magnesium	24-2	3.24	2.90	1.94	2.69	25.03	ppb
Manganese	55-2	0.07	0.07	0.10	0.08	20.78	ppb
Molybdenum	94-1	0.22	0.16	0.14	0.17	23.78	ppb
Molybdenum	95-1	0.10	0.08	0.12	0.10	16.67	ppb
Molybdenum	96-1	0.09	0.09	0.10	0.10	8.27	ppb
Molybdenum	97-1	0.10	0.11	0.09	0.10	8.39	ppb
Molybdenum	98-1	0.08	0.09	0.08	0.08	6.38	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.04	-0.02	-0.02	0.00	1408.62	ppb
Phosphorus	31-2	-7.35	-4.11	-8.31	-6.59		ppb
Potassium	39-2	-9.58	-4.83	-13.48	-9.29		ppb
Rhodium	103-1				98		%
Rhodium	103-2				96		%
Scandium	45-1				96		%
Scandium	45-2				95		%
Selenium	82-1	-0.15	-0.77	-0.32	-0.41		ppb
Selenium	77-2	-0.39	-0.39	-0.39	-0.39		ppb
Selenium	78-2	-0.36	-1.06	-0.54	-0.66		ppb
Silicon	28-1	-5.65	-6.81	-4.35	-5.61		ppb
Silver	107-1	0.01	0.02	0.01	0.01	58.09	ppb
Silver	109-1	0.02	0.02	0.02	0.02	6.28	ppb
Sodium	23-2	27.98	27.62	25.34	26.98	5.31	ppb
Strontium	86-1	0.12	0.12	0.16	0.14	15.87	ppb
Strontium	88-1	0.14	0.13	0.12	0.13	7.40	ppb
Sulfur	34-1	-109.64	-338.75	-151.65	-200.02		ppb
Terbium	159-1				104		%
Terbium	159-2				99		%
Thallium	203-1	0.04	0.03	0.04	0.03	15.94	ppb
Thallium	205-1	0.04	0.03	0.04	0.03	8.22	ppb
Tin	118-1	0.01	0.01	0.01	0.01	36.96	ppb
Titanium	47-1	0.07	0.11	0.04	0.08	45.05	ppb

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	CCB095	Instrumnet Name :	P7
Client Sample ID :	CCB095	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 14:50:48	DataFile Name :	030CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	8.96	ppb
Vanadium	51-2	0.01	0.01	0.00	0.00	33.24	ppb
Yttrium	89-1				98		%
Yttrium	89-2				94		%
Zinc	66-2	0.12	0.09	0.10	0.10	12.89	ppb
Zirconium	90-1	0.07	0.06	0.05	0.06	13.71	ppb
Zirconium	91-1	0.05	0.05	0.06	0.05	3.81	ppb

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 11:46:13	DataFile Name :	004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	127	107	100	111	12.49	cps
Antimony	121-1	3	13	17	11	62.48	cps
Arsenic	75-2	0	3	0	1	173.21	cps
Barium	135-1	27	17	40	28	42.13	cps
Barium	137-1	33	57	43	44	26.35	cps
Beryllium	9-1	50	17	40	36	48.10	cps
Bismuth	209-1	2384120	2406920	2171836	2320959	5.59	cps
Bismuth	209-2	1965873	1896367	1866633	1909624	2.67	cps
Bromine	81-1	7909	7886	7802	7866	0.71	cps
Bromine	81-2	20	47	37	34	39.11	cps
Cadmium	108-1	10	7	3	7	50.03	cps
Cadmium	106-1	1453	1523	1290	1422	8.42	cps
Cadmium	111-1	1010	1062	904	992	8.11	cps
Calcium	43-1	187	193	193	191	2.01	cps
Calcium	44-1	4397	4341	4124	4287	3.37	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	330	210	300	280	22.31	cps
Cobalt	59-2	17	37	27	27	37.50	cps
Copper	63-2	850	710	753	771	9.30	cps
Dysprosium	156-1	3	3	17	8	99.04	cps
Dysprosium	156-2	3	0	0	1	173.21	cps
Erbium	164-1	17	20	13	17	20.01	cps
Erbium	164-2	3	13	10	9	57.30	cps
Gadolinium	160-1	13	10	10	11	17.30	cps
Gadolinium	160-2	107	83	127	106	20.55	cps
Holmium	165-1	3995967	3976160	3576123	3849417	6.15	cps
Holmium	165-2	2791643	2689999	2616645	2699429	3.26	cps
Indium	115-1	3017088	2985096	2762805	2921663	4.74	cps
Indium	115-2	998374	962417	962099	974297	2.14	cps
Iron	56-2	5358	5408	5301	5355	1.00	cps
Iron	57-2	653	550	683	629	11.12	cps
Iron	54-2	823	887	920	877	5.60	cps
Krypton	83-1	57	57	77	63	18.23	cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 11:46:13	DataFile Name :	004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	330	410	447	396	15.08	cps
Lead	207-1	360	350	360	357	1.62	cps
Lead	208-1	1623	1720	1697	1680	3.00	cps
Lithium	6-1	707392	707247	654240	689626	4.44	cps
Magnesium	24-2	1380	1507	1490	1459	4.72	cps
Manganese	55-2	93	110	73	92	19.91	cps
Molybdenum	94-1	83	93	83	87	6.66	cps
Molybdenum	95-1	50	40	63	51	22.90	cps
Molybdenum	96-1	53	53	47	51	7.52	cps
Molybdenum	97-1	33	33	13	27	43.31	cps
Molybdenum	98-1	60	43	60	54	17.68	cps
Neodymium	150-1	0	0	10	3	173.21	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	53	80	70	68	19.88	cps
Phosphorus	31-2	90	93	80	88	7.90	cps
Potassium	39-2	34335	35658	34709	34901	1.95	cps
Rhodium	103-1	2684104	2730177	2507338	2640540	4.45	cps
Rhodium	103-2	1522008	1482160	1465622	1489930	1.95	cps
Scandium	45-1	1581840	1600426	1430014	1537427	6.08	cps
Scandium	45-2	138813	135839	132772	135808	2.22	cps
Selenium	82-1	148	117	96	121	21.72	cps
Selenium	77-2	0	3	3	2	86.60	cps
Selenium	78-2	110	83	133	109	22.98	cps
Silicon	28-1	184384	186068	186922	185791	0.70	cps
Silver	107-1	17	27	47	30	50.91	cps
Silver	109-1	20	7	10	12	56.76	cps
Sodium	23-2	7308	7469	7389	7388	1.08	cps
Strontium	86-1	133	130	147	137	6.45	cps
Strontium	88-1	167	190	147	168	12.93	cps
Sulfur	34-1	117581	117749	116537	117289	0.56	cps
Terbium	159-1	4103882	4086232	3721076	3970397	5.44	cps
Terbium	159-2	2723491	2623936	2579603	2642343	2.79	cps
Thallium	203-1	37	30	30	32	11.95	cps
Thallium	205-1	60	40	97	66	43.84	cps
Tin	118-1	740	717	783	747	4.53	cps
Titanium	47-1	33	47	20	33	40.01	cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 11:46:13	DataFile Name :	004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	10	13	7	10	33.30	cps
Vanadium	51-2	7	7	7	7	0.00	cps
Yttrium	89-1	4904375	4916846	4534450	4785224	4.54	cps
Yttrium	89-2	1279141	1237908	1238583	1251877	1.89	cps
Zinc	66-2	83	73	100	86	15.75	cps
Zirconium	90-1	220	170	140	177	22.88	cps
Zirconium	91-1	37	30	27	31	16.37	cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P7
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 11:49:35	DataFile Name :	005CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1840	2003	1677	1840	8.88	cps
Antimony	121-1	8206	8372	8439	8339	1.44	cps
Arsenic	75-2	177	257	203	212	19.19	cps
Barium	135-1	11061	11591	11014	11222	2.86	cps
Barium	137-1	18662	19090	18989	18914	1.18	cps
Beryllium	9-1	830	927	803	853	7.60	cps
Bismuth	209-1	2376081	2383868	2375219	2378389	0.20	cps
Bismuth	209-2	1921286	1868179	1912971	1900812	1.50	cps
Bromine	81-1	7986	7652	7809	7815	2.14	cps
Bromine	81-2	37	47	47	43	13.32	cps
Cadmium	108-1	77	80	87	81	6.28	cps
Cadmium	106-1	1767	1467	1583	1606	9.42	cps
Cadmium	111-1	2256	2187	2071	2172	4.31	cps
Calcium	43-1	5868	5754	5938	5853	1.58	cps
Calcium	44-1	97608	97977	97464	97683	0.27	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3027	3220	3367	3205	5.32	cps
Cobalt	59-2	2520	2400	2430	2450	2.55	cps
Copper	63-2	4237	3867	3887	3997	5.21	cps
Dysprosium	156-1	10	20	7	12	56.76	cps
Dysprosium	156-2	10	3	3	6	69.34	cps
Erbium	164-1	17	7	13	12	41.65	cps
Erbium	164-2	3	3	7	4	43.40	cps
Gadolinium	160-1	43	10	7	20	101.36	cps
Gadolinium	160-2	93	150	87	110	31.64	cps
Holmium	165-1	3940208	3974578	3927111	3947299	0.62	cps
Holmium	165-2	2685233	2666208	2710701	2687381	0.83	cps
Indium	115-1	3051752	3027760	2970514	3016675	1.38	cps
Indium	115-2	970695	966308	965481	967495	0.29	cps
Iron	56-2	75521	75813	74882	75405	0.63	cps
Iron	57-2	2600	2277	2527	2468	6.87	cps
Iron	54-2	4958	4767	4867	4864	1.95	cps
Krypton	83-1	57	67	87	70	21.82	cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P7
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 11:49:35	DataFile Name :	005CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3227	3230	3164	3207	1.17	cps
Lead	207-1	2847	2677	2860	2795	3.66	cps
Lead	208-1	12806	12909	12786	12834	0.52	cps
Lithium	6-1	703115	709034	716406	709519	0.94	cps
Magnesium	24-2	77004	78207	76984	77399	0.90	cps
Manganese	55-2	1277	1380	1343	1333	3.93	cps
Molybdenum	94-1	7912	8322	8372	8202	3.08	cps
Molybdenum	95-1	9940	10040	9987	9989	0.50	cps
Molybdenum	96-1	11038	11458	11078	11191	2.07	cps
Molybdenum	97-1	6198	6401	6471	6357	2.23	cps
Molybdenum	98-1	16413	16022	16386	16274	1.34	cps
Neodymium	150-1	0	3	3	2	86.60	cps
Neodymium	150-2	0	0	3	1	173.21	cps
Nickel	60-2	810	717	630	719	12.52	cps
Phosphorus	31-2	233	217	243	231	5.83	cps
Potassium	39-2	129139	129529	128870	129179	0.26	cps
Rhodium	103-1	2693965	2696631	2763338	2717978	1.45	cps
Rhodium	103-2	1488420	1497003	1490038	1491820	0.31	cps
Scandium	45-1	1560838	1585375	1572889	1573034	0.78	cps
Scandium	45-2	136363	135529	135324	135739	0.41	cps
Selenium	82-1	438	420	358	405	10.41	cps
Selenium	77-2	47	20	40	36	39.03	cps
Selenium	78-2	197	193	180	190	4.64	cps
Silicon	28-1	196129	199071	197838	197679	0.75	cps
Silver	107-1	5031	4978	4831	4946	2.09	cps
Silver	109-1	4554	4434	4524	4504	1.39	cps
Sodium	23-2	129764	129835	129784	129794	0.03	cps
Strontium	86-1	1563	1367	1530	1487	7.08	cps
Strontium	88-1	11745	11541	11925	11737	1.64	cps
Sulfur	34-1	116785	117238	117218	117081	0.22	cps
Terbium	159-1	4058085	4041130	4059963	4053059	0.26	cps
Terbium	159-2	2662128	2645379	2633887	2647131	0.54	cps
Thallium	203-1	3490	3804	3687	3661	4.33	cps
Thallium	205-1	9217	8793	8783	8931	2.77	cps
Tin	118-1	17681	17871	17614	17722	0.75	cps
Titanium	47-1	2650	2480	2550	2560	3.34	cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P7
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 11:49:35	DataFile Name :	005CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	11498	11228	11342	11356	1.19	cps
Vanadium	51-2	6765	6815	6805	6795	0.39	cps
Yttrium	89-1	4934045	4931371	4916781	4927399	0.19	cps
Yttrium	89-2	1237724	1235449	1234586	1235920	0.13	cps
Zinc	66-2	1313	1460	1437	1403	5.62	cps
Zirconium	90-1	6782	6825	7102	6903	2.52	cps
Zirconium	91-1	1507	1573	1663	1581	4.97	cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P7
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 11:53:00	DataFile Name :	006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	92896	93435	92205	92845	0.66	cps
Antimony	121-1	209493	213159	212601	211751	0.93	cps
Arsenic	75-2	9673	9693	9353	9573	1.99	cps
Barium	135-1	289836	289776	292806	290806	0.60	cps
Barium	137-1	498434	499996	505249	501226	0.71	cps
Beryllium	9-1	40543	40944	40716	40734	0.49	cps
Bismuth	209-1	2402932	2424969	2370591	2399497	1.14	cps
Bismuth	209-2	1846920	1914176	1893310	1884802	1.83	cps
Bromine	81-1	7235	7412	7259	7302	1.31	cps
Bromine	81-2	10	17	10	12	31.50	cps
Cadmium	108-1	4151	4171	3981	4101	2.55	cps
Cadmium	106-1	6795	7112	6852	6919	2.44	cps
Cadmium	111-1	54155	54641	54414	54403	0.45	cps
Calcium	43-1	64021	64925	65671	64872	1.27	cps
Calcium	44-1	999961	1008043	999054	1002352	0.49	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	76181	77062	77307	76850	0.77	cps
Cobalt	59-2	115160	114029	114331	114507	0.51	cps
Copper	63-2	815796	816470	807119	813128	0.64	cps
Dysprosium	156-1	30	17	10	19	53.91	cps
Dysprosium	156-2	20	13	23	19	26.96	cps
Erbium	164-1	17	20	17	18	10.81	cps
Erbium	164-2	10	17	3	10	66.70	cps
Gadolinium	160-1	10	10	13	11	17.30	cps
Gadolinium	160-2	93	100	123	106	14.93	cps
Holmium	165-1	3983881	4017603	4015068	4005517	0.47	cps
Holmium	165-2	2677780	2682888	2636966	2665878	0.94	cps
Indium	115-1	2977817	3039306	2974125	2997083	1.22	cps
Indium	115-2	964507	965784	956326	962205	0.53	cps
Iron	56-2	3438879	3453569	3410880	3434443	0.63	cps
Iron	57-2	89974	89309	89846	89710	0.39	cps
Iron	54-2	196784	197042	197690	197172	0.24	cps
Krypton	83-1	57	90	57	68	28.39	cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P7
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 11:53:00	DataFile Name :	006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	785983	798329	795745	793352	0.82	cps
Lead	207-1	677927	690169	691280	686458	1.08	cps
Lead	208-1	3318678	3347735	3379281	3348564	0.91	cps
Lithium	6-1	715609	717741	717734	717028	0.17	cps
Magnesium	24-2	743607	741526	734622	739919	0.64	cps
Manganese	55-2	601416	601303	598606	600442	0.26	cps
Molybdenum	94-1	779977	777986	778655	778872	0.13	cps
Molybdenum	95-1	1127934	1134922	1136041	1132966	0.39	cps
Molybdenum	96-1	1236328	1248954	1243289	1242857	0.51	cps
Molybdenum	97-1	713166	720132	717601	716966	0.49	cps
Molybdenum	98-1	1871880	1846053	1837157	1851697	0.97	cps
Neodymium	150-1	13	27	33	24	41.66	cps
Neodymium	150-2	10	0	0	3	173.21	cps
Nickel	60-2	28791	28981	29132	28968	0.59	cps
Phosphorus	31-2	4541	4684	4704	4643	1.92	cps
Potassium	39-2	522351	525884	526261	524832	0.41	cps
Rhodium	103-1	2712334	2685806	2676104	2691415	0.70	cps
Rhodium	103-2	1479019	1482874	1454776	1472223	1.03	cps
Scandium	45-1	1564232	1557957	1552549	1558246	0.38	cps
Scandium	45-2	135345	136569	133999	135304	0.95	cps
Selenium	82-1	3202	3068	3162	3144	2.18	cps
Selenium	77-2	360	300	247	302	18.76	cps
Selenium	78-2	1133	1037	1143	1105	5.33	cps
Silicon	28-1	292256	294851	293210	293439	0.45	cps
Silver	107-1	261933	262809	262703	262481	0.18	cps
Silver	109-1	246957	250688	250054	249233	0.80	cps
Sodium	23-2	1196067	1195372	1206881	1199440	0.54	cps
Strontium	86-1	1713175	1701247	1709054	1707826	0.35	cps
Strontium	88-1	14890027	14906131	14783237	14859798	0.45	cps
Sulfur	34-1	132172	131527	131049	131583	0.43	cps
Terbium	159-1	4110924	4055588	4065690	4077400	0.72	cps
Terbium	159-2	2631972	2658767	2641304	2644014	0.51	cps
Thallium	203-1	193798	197436	195309	195514	0.93	cps
Thallium	205-1	459150	461890	461593	460878	0.33	cps
Tin	118-1	180495	185762	182318	182858	1.46	cps
Titanium	47-1	277761	281565	278383	279237	0.73	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P7
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 11:53:00	DataFile Name :	006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	601086	609479	603644	604736	0.71	cps
Vanadium	51-2	68699	67902	69399	68666	1.09	cps
Yttrium	89-1	4975566	4981467	4900935	4952656	0.91	cps
Yttrium	89-2	1239142	1246217	1226554	1237304	0.80	cps
Zinc	66-2	134041	134476	133440	133986	0.39	cps
Zirconium	90-1	348179	351953	352278	350803	0.65	cps
Zirconium	91-1	78146	78622	77795	78188	0.53	cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P7
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 11:56:17	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	222062	225532	222925	223506	0.81	cps
Antimony	121-1	521217	524159	522316	522564	0.28	cps
Arsenic	75-2	23312	22761	23015	23029	1.20	cps
Barium	135-1	710311	713748	716870	713643	0.46	cps
Barium	137-1	1236359	1235368	1239082	1236937	0.16	cps
Beryllium	9-1	97865	98788	98751	98468	0.53	cps
Bismuth	209-1	2371507	2399479	2351384	2374123	1.02	cps
Bismuth	209-2	1869362	1853227	1877060	1866550	0.65	cps
Bromine	81-1	6845	6685	6815	6782	1.25	cps
Bromine	81-2	23	20	23	22	8.65	cps
Cadmium	108-1	9857	9800	9507	9721	1.93	cps
Cadmium	106-1	14834	15248	15271	15118	1.63	cps
Cadmium	111-1	132456	131144	132553	132051	0.60	cps
Calcium	43-1	156446	156625	154530	155867	0.75	cps
Calcium	44-1	2264967	2261145	2226267	2250793	0.95	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	184005	183853	183236	183698	0.22	cps
Cobalt	59-2	280343	276365	274386	277031	1.10	cps
Copper	63-2	1971207	1980148	1964326	1971894	0.40	cps
Dysprosium	156-1	23	17	30	23	28.56	cps
Dysprosium	156-2	23	33	30	29	17.63	cps
Erbium	164-1	17	23	17	19	20.36	cps
Erbium	164-2	7	7	13	9	43.25	cps
Gadolinium	160-1	17	17	33	22	43.28	cps
Gadolinium	160-2	97	120	127	114	13.76	cps
Holmium	165-1	3955115	3957631	3901319	3938022	0.81	cps
Holmium	165-2	2658583	2655228	2627854	2647222	0.64	cps
Indium	115-1	2917406	2921930	2863180	2900839	1.13	cps
Indium	115-2	937630	925177	923282	928696	0.84	cps
Iron	56-2	8141909	8280989	8198584	8207161	0.85	cps
Iron	57-2	217227	215709	215772	216236	0.40	cps
Iron	54-2	476144	478264	474540	476316	0.39	cps
Krypton	83-1	60	73	103	79	28.14	cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P7
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 11:56:17	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2160252	2166882	2194175	2173770	0.83	cps
Lead	207-1	1919124	1961407	1913620	1931384	1.35	cps
Lead	208-1	8678236	8848847	8756558	8761214	0.97	cps
Lithium	6-1	700939	703643	695339	699973	0.61	cps
Magnesium	24-2	1737769	1748284	1745095	1743716	0.31	cps
Manganese	55-2	1401672	1409452	1408392	1406505	0.30	cps
Molybdenum	94-1	1910730	1892420	1920377	1907842	0.74	cps
Molybdenum	95-1	2777974	2783628	2770779	2777460	0.23	cps
Molybdenum	96-1	3090494	3057063	3048119	3065225	0.73	cps
Molybdenum	97-1	1750926	1752511	1750388	1751275	0.06	cps
Molybdenum	98-1	4570476	4544510	4497904	4537630	0.81	cps
Neodymium	150-1	70	53	40	54	27.61	cps
Neodymium	150-2	10	10	7	9	21.63	cps
Nickel	60-2	68660	69323	69942	69308	0.93	cps
Phosphorus	31-2	10961	10934	11104	11000	0.83	cps
Potassium	39-2	1221055	1221412	1221215	1221227	0.01	cps
Rhodium	103-1	2597835	2522515	2565781	2562044	1.48	cps
Rhodium	103-2	1418827	1406798	1403301	1409642	0.58	cps
Scandium	45-1	1511709	1508776	1498258	1506248	0.47	cps
Scandium	45-2	130771	129968	128159	129633	1.03	cps
Selenium	82-1	7599	7452	7420	7490	1.27	cps
Selenium	77-2	740	650	660	683	7.22	cps
Selenium	78-2	2407	2637	2257	2434	7.87	cps
Silicon	28-1	434132	437546	436404	436027	0.40	cps
Silver	107-1	638594	640673	633136	637468	0.61	cps
Silver	109-1	605144	604752	604577	604824	0.05	cps
Sodium	23-2	2964429	2940278	2911194	2938634	0.91	cps
Strontium	86-1	4190932	4207975	4108231	4169046	1.28	cps
Strontium	88-1	36449674	36341208	36124508	36305130	0.46	cps
Sulfur	34-1	148937	147443	145565	147315	1.15	cps
Terbium	159-1	4035102	3996666	3965120	3998963	0.88	cps
Terbium	159-2	2650543	2586137	2585166	2607282	1.44	cps
Thallium	203-1	484099	487338	488181	486539	0.44	cps
Thallium	205-1	1145182	1162540	1164005	1157242	0.90	cps
Tin	118-1	446578	445488	448708	446925	0.37	cps
Titanium	47-1	677339	674253	674265	675286	0.26	cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P7
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 11:56:17	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	1526391	1541452	1543409	1537084	0.61	cps
Vanadium	51-2	166426	166813	165551	166263	0.39	cps
Yttrium	89-1	4808373	4776894	4754201	4779822	0.57	cps
Yttrium	89-2	1205769	1187914	1189164	1194282	0.83	cps
Zinc	66-2	321839	323716	319194	321583	0.71	cps
Zirconium	90-1	860247	860971	859084	860101	0.11	cps
Zirconium	91-1	192406	192403	191938	192249	0.14	cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P7
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 11:59:27	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	429643	430664	429331	429879	0.16	cps
Antimony	121-1	1010304	1015409	1022825	1016180	0.62	cps
Arsenic	75-2	44443	44791	43901	44378	1.01	cps
Barium	135-1	1385103	1388594	1396342	1390013	0.41	cps
Barium	137-1	2548233	2572425	2558956	2559871	0.47	cps
Beryllium	9-1	189553	191037	189195	189929	0.51	cps
Bismuth	209-1	2403465	2360520	2351390	2371792	1.17	cps
Bismuth	209-2	1827692	1667497	1822954	1772714	5.14	cps
Bromine	81-1	6298	6652	6528	6493	2.76	cps
Bromine	81-2	13	20	30	21	39.75	cps
Cadmium	108-1	19123	18759	19303	19061	1.45	cps
Cadmium	106-1	28191	28264	27733	28063	1.03	cps
Cadmium	111-1	249961	252951	253149	252020	0.71	cps
Calcium	43-1	292173	295978	294769	294307	0.66	cps
Calcium	44-1	4249522	4241607	4238189	4243106	0.14	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	352197	351742	349818	351252	0.36	cps
Cobalt	59-2	528705	524754	521695	525051	0.67	cps
Copper	63-2	3736141	3654910	3715163	3702071	1.14	cps
Dysprosium	156-1	43	50	23	39	35.69	cps
Dysprosium	156-2	63	57	67	62	8.18	cps
Erbium	164-1	27	27	33	29	13.31	cps
Erbium	164-2	3	13	27	14	81.07	cps
Gadolinium	160-1	13	27	27	22	34.66	cps
Gadolinium	160-2	127	100	137	121	15.65	cps
Holmium	165-1	3975570	3946861	3896458	3939629	1.02	cps
Holmium	165-2	2628503	2651454	2574210	2618056	1.52	cps
Indium	115-1	2862916	2738890	2781474	2794426	2.26	cps
Indium	115-2	890312	902298	891988	894866	0.73	cps
Iron	56-2	15740336	15628873	15648929	15672713	0.38	cps
Iron	57-2	416327	410960	411505	412930	0.72	cps
Iron	54-2	916571	906859	906463	909964	0.63	cps
Krypton	83-1	67	87	50	68	27.09	cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P7
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 11:59:27	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4293462	4323751	4375723	4330979	0.96	cps
Lead	207-1	3848108	3876819	3927694	3884207	1.04	cps
Lead	208-1	17478222	17558508	17641197	17559309	0.46	cps
Lithium	6-1	692173	682115	683207	685832	0.80	cps
Magnesium	24-2	3335180	3299941	3338017	3324379	0.64	cps
Manganese	55-2	2739274	2730452	2680059	2716595	1.18	cps
Molybdenum	94-1	3644300	3640285	3627389	3637325	0.24	cps
Molybdenum	95-1	5346402	5431302	5406930	5394878	0.81	cps
Molybdenum	96-1	5868734	5823092	5813147	5834991	0.51	cps
Molybdenum	97-1	3354859	3356845	3353218	3354974	0.05	cps
Molybdenum	98-1	8620471	8745945	8786126	8717514	0.99	cps
Neodymium	150-1	137	73	120	110	29.85	cps
Neodymium	150-2	17	37	20	24	43.83	cps
Nickel	60-2	131174	129137	128649	129653	1.03	cps
Phosphorus	31-2	20537	20287	20510	20445	0.67	cps
Potassium	39-2	2141448	2173179	2172194	2162273	0.83	cps
Rhodium	103-1	2533358	2468845	2457230	2486477	1.65	cps
Rhodium	103-2	1349831	1360812	1347460	1352701	0.53	cps
Scandium	45-1	1459940	1419432	1410436	1429936	1.84	cps
Scandium	45-2	123683	123878	125078	124213	0.61	cps
Selenium	82-1	14092	14062	14222	14125	0.60	cps
Selenium	77-2	1387	1457	1443	1429	2.60	cps
Selenium	78-2	4514	4614	4671	4600	1.73	cps
Silicon	28-1	653468	656432	657127	655676	0.30	cps
Silver	107-1	1215680	1229523	1226171	1223791	0.59	cps
Silver	109-1	1151748	1152808	1154679	1153078	0.13	cps
Sodium	23-2	5560544	5627442	5547284	5578423	0.77	cps
Strontium	86-1	7867794	7980757	7895590	7914713	0.74	cps
Strontium	88-1	69592759	69574411	70223879	69797016	0.53	cps
Sulfur	34-1	175185	175511	173378	174691	0.66	cps
Terbium	159-1	4015368	3973701	3952427	3980499	0.80	cps
Terbium	159-2	2543363	2564412	2528542	2545439	0.71	cps
Thallium	203-1	958632	966165	964339	963045	0.41	cps
Thallium	205-1	2584647	2558270	2597300	2580072	0.77	cps
Tin	118-1	856676	865640	866878	863065	0.65	cps
Titanium	47-1	1245639	1235136	1278843	1253206	1.82	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P7
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 11:59:27	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	3520893	3554117	3613923	3562977	1.32	cps
Vanadium	51-2	317747	316961	317814	317508	0.15	cps
Yttrium	89-1	4674729	4528940	4599495	4601055	1.58	cps
Yttrium	89-2	1150361	1148656	1146755	1148591	0.16	cps
Zinc	66-2	617118	614879	610320	614106	0.56	cps
Zirconium	90-1	1630899	1651296	1642438	1641544	0.62	cps
Zirconium	91-1	367926	370519	369133	369193	0.35	cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P7
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 12:02:28	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	839139	834426	839982	837849	0.36	cps
Antimony	121-1	2064732	2066543	2111609	2080961	1.28	cps
Arsenic	75-2	85199	85420	86527	85715	0.83	cps
Barium	135-1	2919939	2920344	2949253	2929845	0.57	cps
Barium	137-1	4923934	5098492	4982212	5001546	1.78	cps
Beryllium	9-1	362659	367343	366189	365397	0.67	cps
Bismuth	209-1	2396416	2322569	2333658	2350881	1.69	cps
Bismuth	209-2	1635188	1834242	1816299	1761910	6.25	cps
Bromine	81-1	6285	6051	6155	6164	1.90	cps
Bromine	81-2	20	7	37	21	71.19	cps
Cadmium	108-1	36747	36529	36920	36732	0.53	cps
Cadmium	106-1	52461	53475	53367	53101	1.05	cps
Cadmium	111-1	487414	492011	490641	490022	0.48	cps
Calcium	43-1	562030	563894	563809	563244	0.19	cps
Calcium	44-1	8185996	8282214	8238867	8235692	0.59	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	684133	676223	680615	680324	0.58	cps
Cobalt	59-2	1012364	1015573	1017542	1015160	0.26	cps
Copper	63-2	7204232	7120474	7163877	7162861	0.58	cps
Dysprosium	156-1	80	87	67	78	13.09	cps
Dysprosium	156-2	110	157	97	121	26.01	cps
Erbium	164-1	23	50	33	36	37.90	cps
Erbium	164-2	20	33	20	24	31.49	cps
Gadolinium	160-1	40	43	23	36	30.14	cps
Gadolinium	160-2	137	113	140	130	11.17	cps
Holmium	165-1	3936376	3901491	3893503	3910457	0.58	cps
Holmium	165-2	2548952	2631361	2635479	2605264	1.87	cps
Indium	115-1	2744874	2616314	2708128	2689772	2.46	cps
Indium	115-2	861381	870798	863644	865274	0.57	cps
Iron	56-2	30424528	30768945	30596251	30596575	0.56	cps
Iron	57-2	795037	804624	801904	800522	0.62	cps
Iron	54-2	1690400	1653158	1703631	1682396	1.56	cps
Krypton	83-1	90	90	93	91	2.11	cps

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On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P7
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 12:02:28	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	8704613	8816202	8849646	8790154	0.86	cps
Lead	207-1	7568126	7799015	7723794	7696978	1.53	cps
Lead	208-1	34679541	35535512	35515230	35243427	1.39	cps
Lithium	6-1	677992	665704	670485	671394	0.92	cps
Magnesium	24-2	6474410	6511744	6607416	6531190	1.05	cps
Manganese	55-2	5274654	5259177	5298659	5277497	0.38	cps
Molybdenum	94-1	6990688	7107829	7207078	7101865	1.53	cps
Molybdenum	95-1	10481389	10507350	10494894	10494544	0.12	cps
Molybdenum	96-1	11498756	11496507	11635517	11543593	0.69	cps
Molybdenum	97-1	6615168	6591436	6621815	6609473	0.24	cps
Molybdenum	98-1	17024687	16877389	17169175	17023750	0.86	cps
Neodymium	150-1	237	270	270	259	7.43	cps
Neodymium	150-2	40	27	73	47	51.50	cps
Nickel	60-2	248994	248642	249861	249166	0.25	cps
Phosphorus	31-2	39989	40373	40751	40371	0.94	cps
Potassium	39-2	4106125	4163298	4150975	4140133	0.73	cps
Rhodium	103-1	2457704	2338418	2381940	2392687	2.52	cps
Rhodium	103-2	1306460	1331744	1309149	1315784	1.06	cps
Scandium	45-1	1414573	1340535	1375913	1377007	2.69	cps
Scandium	45-2	120434	122769	121424	121542	0.96	cps
Selenium	82-1	26832	27416	26874	27041	1.20	cps
Selenium	77-2	2654	2500	2684	2612	3.76	cps
Selenium	78-2	8409	8719	9013	8714	3.46	cps
Silicon	28-1	1070965	1082085	1083248	1078766	0.63	cps
Silver	107-1	2396448	2449014	2395120	2413527	1.27	cps
Silver	109-1	2302904	2326059	2321000	2316654	0.53	cps
Sodium	23-2	11117657	11131442	11094213	11114437	0.17	cps
Strontium	86-1	15439794	15350433	15464101	15418109	0.39	cps
Strontium	88-1	136366818	136608868	136938421	136638036	0.21	cps
Sulfur	34-1	235581	234840	234654	235025	0.21	cps
Terbium	159-1	4015067	3929031	3896002	3946700	1.56	cps
Terbium	159-2	2531816	2628836	2566666	2575773	1.91	cps
Thallium	203-1	2134445	2162186	2189450	2162027	1.27	cps
Thallium	205-1	5200172	5186593	5178400	5188388	0.21	cps
Tin	118-1	1736824	1783633	1773086	1764514	1.39	cps
Titanium	47-1	2417585	2422898	2392224	2410902	0.68	cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P7
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 12:02:28	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	7017876	7113640	7190880	7107465	1.22	cps
Vanadium	51-2	614410	617252	622059	617907	0.63	cps
Yttrium	89-1	4614395	4408273	4534369	4519012	2.30	cps
Yttrium	89-2	1125823	1136174	1129180	1130392	0.47	cps
Zinc	66-2	1189876	1187171	1189377	1188808	0.12	cps
Zirconium	90-1	3229226	3215855	3237696	3227592	0.34	cps
Zirconium	91-1	714114	722583	727539	721412	0.94	cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P7
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 12:05:26	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1622714	1629829	1643863	1632136	0.66	cps
Antimony	121-1	3993439	4067123	4108072	4056211	1.43	cps
Arsenic	75-2	171730	168794	168413	169646	1.07	cps
Barium	135-1	5643227	5720041	5661339	5674869	0.71	cps
Barium	137-1	9712481	9759151	9842838	9771490	0.68	cps
Beryllium	9-1	700787	716164	721311	712754	1.50	cps
Bismuth	209-1	2349820	2334606	2365844	2350090	0.66	cps
Bismuth	209-2	1632995	1812965	1821957	1755972	6.07	cps
Bromine	81-1	6411	6268	6035	6238	3.05	cps
Bromine	81-2	3	27	17	16	75.27	cps
Cadmium	108-1	69676	70841	71066	70528	1.06	cps
Cadmium	106-1	100968	103153	102807	102309	1.15	cps
Cadmium	111-1	939634	947799	951268	946233	0.63	cps
Calcium	43-1	1098050	1111098	1117233	1108794	0.88	cps
Calcium	44-1	16105589	16341681	16341762	16263010	0.84	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1347550	1340487	1348862	1345633	0.33	cps
Cobalt	59-2	1999691	1979039	1998534	1992421	0.58	cps
Copper	63-2	13770483	13843769	14022173	13878808	0.93	cps
Dysprosium	156-1	113	113	147	124	15.47	cps
Dysprosium	156-2	283	253	293	277	7.52	cps
Erbium	164-1	43	43	83	57	40.76	cps
Erbium	164-2	37	47	33	39	17.85	cps
Gadolinium	160-1	53	57	73	61	17.53	cps
Gadolinium	160-2	133	107	123	121	11.12	cps
Holmium	165-1	3919963	3939464	3930047	3929825	0.25	cps
Holmium	165-2	2662205	2623831	2645487	2643841	0.73	cps
Indium	115-1	2646468	2636718	2702803	2661996	1.34	cps
Indium	115-2	850912	851448	848731	850364	0.17	cps
Iron	56-2	60384077	59973819	60529754	60295884	0.48	cps
Iron	57-2	1518206	1498858	1528495	1515187	0.99	cps
Iron	54-2	3340805	3348275	3309527	3332869	0.62	cps
Krypton	83-1	80	57	63	67	18.03	cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P7
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 12:05:26	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	17185255	17593113	17193757	17324041	1.35	cps
Lead	207-1	15017774	15317525	15216888	15184062	1.00	cps
Lead	208-1	68841874	70131495	69607979	69527116	0.93	cps
Lithium	6-1	667122	665422	676203	669582	0.87	cps
Magnesium	24-2	13019285	12922924	13145876	13029362	0.86	cps
Manganese	55-2	10381677	10523447	10400467	10435197	0.74	cps
Molybdenum	94-1	14067386	14187009	14147243	14133879	0.43	cps
Molybdenum	95-1	20558042	20784749	20691473	20678088	0.55	cps
Molybdenum	96-1	22443623	22805425	22726451	22658500	0.84	cps
Molybdenum	97-1	12858391	13046259	13153102	13019251	1.15	cps
Molybdenum	98-1	33209697	33485868	34151806	33615790	1.44	cps
Neodymium	150-1	443	437	457	446	2.29	cps
Neodymium	150-2	43	117	100	87	44.36	cps
Nickel	60-2	481408	483989	483329	482909	0.28	cps
Phosphorus	31-2	80215	78406	79612	79411	1.16	cps
Potassium	39-2	8167493	8141863	8244845	8184734	0.66	cps
Rhodium	103-1	2345591	2332713	2332808	2337037	0.32	cps
Rhodium	103-2	1297374	1301083	1297120	1298526	0.17	cps
Scandium	45-1	1383467	1372016	1393334	1382939	0.77	cps
Scandium	45-2	121952	122759	122856	122522	0.40	cps
Selenium	82-1	52295	52457	52996	52583	0.70	cps
Selenium	77-2	5168	5108	5234	5170	1.23	cps
Selenium	78-2	16806	17207	17133	17049	1.25	cps
Silicon	28-1	1897010	1945619	1903823	1915484	1.37	cps
Silver	107-1	4597111	4755400	4682843	4678451	1.69	cps
Silver	109-1	4340915	4435052	4419529	4398499	1.15	cps
Sodium	23-2	21939354	22055021	22296609	22096994	0.82	cps
Strontium	86-1	30190136	30365096	31063640	30539624	1.51	cps
Strontium	88-1	268413209	268600809	269784756	268932925	0.28	cps
Sulfur	34-1	372823	376310	376904	375346	0.59	cps
Terbium	159-1	3998618	3937593	4091471	4009227	1.93	cps
Terbium	159-2	2607938	2583903	2551888	2581243	1.09	cps
Thallium	203-1	4247746	4369144	4262510	4293133	1.54	cps
Thallium	205-1	10169168	10401412	10103013	10224531	1.53	cps
Tin	118-1	3370942	3482839	3469363	3441048	1.78	cps
Titanium	47-1	4693858	4769501	4777180	4746847	0.97	cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P7
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 12:05:26	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	14072902	14324401	14158161	14185155	0.90	cps
Vanadium	51-2	1229915	1225286	1228678	1227959	0.20	cps
Yttrium	89-1	4546073	4502873	4499548	4516165	0.57	cps
Yttrium	89-2	1130378	1133461	1129701	1131180	0.18	cps
Zinc	66-2	2356225	2331899	2310652	2332925	0.98	cps
Zirconium	90-1	6318057	6293098	6408424	6339860	0.96	cps
Zirconium	91-1	1410035	1408468	1430524	1416343	0.87	cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P7
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 12:08:18	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8199956	8179474	8112542	8163991	0.56	cps
Antimony	121-1	2927	2874	2950	2917	1.35	cps
Arsenic	75-2	57	80	87	74	21.16	cps
Barium	135-1	2894	2760	2910	2855	2.88	cps
Barium	137-1	4938	5171	4981	5030	2.47	cps
Beryllium	9-1	453	443	367	421	11.26	cps
Bismuth	209-1	2052898	2045090	2044653	2047547	0.23	cps
Bismuth	209-2	1335434	1396003	1426182	1385873	3.33	cps
Bromine	81-1	6405	6255	6385	6348	1.28	cps
Bromine	81-2	27	27	17	23	24.74	cps
Cadmium	108-1	47	30	30	36	27.07	cps
Cadmium	106-1	1373	1197	1237	1269	7.30	cps
Cadmium	111-1	1199	1023	1025	1082	9.32	cps
Calcium	43-1	4738133	4773038	4916196	4809123	1.96	cps
Calcium	44-1	75702929	76598239	77606521	76635896	1.24	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4784	4421	4971	4725	5.92	cps
Cobalt	59-2	5001	5254	5344	5200	3.42	cps
Copper	63-2	4647	4487	4577	4571	1.76	cps
Dysprosium	156-1	197	160	140	166	17.36	cps
Dysprosium	156-2	97	163	83	114	37.45	cps
Erbium	164-1	237	153	160	183	25.26	cps
Erbium	164-2	73	153	137	121	34.85	cps
Gadolinium	160-1	187	110	103	133	34.73	cps
Gadolinium	160-2	123	143	173	147	17.16	cps
Holmium	165-1	3687146	3695019	3661430	3681199	0.48	cps
Holmium	165-2	2303082	2462168	2452417	2405889	3.71	cps
Indium	115-1	2504292	2539667	2475403	2506454	1.28	cps
Indium	115-2	751710	786792	802435	780312	3.33	cps
Iron	56-2	284118582	282515876	283964789	283533082	0.31	cps
Iron	57-2	7018295	6934403	7041511	6998070	0.81	cps
Iron	54-2	15388147	15229064	15195551	15270921	0.67	cps
Krypton	83-1	107	90	90	96	10.07	cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P7
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 12:08:18	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3644	3367	3297	3436	5.34	cps
Lead	207-1	3164	3244	2780	3063	8.09	cps
Lead	208-1	14600	13936	13259	13932	4.81	cps
Lithium	6-1	645627	652857	658922	652469	1.02	cps
Magnesium	24-2	68994756	67808241	68593774	68465590	0.88	cps
Manganese	55-2	6685	6728	6715	6709	0.33	cps
Molybdenum	94-1	3757	3657	3707	3707	1.35	cps
Molybdenum	95-1	3664	3490	3557	3570	2.45	cps
Molybdenum	96-1	7532	6848	7055	7145	4.91	cps
Molybdenum	97-1	2367	2254	2117	2246	5.58	cps
Molybdenum	98-1	5558	5361	5344	5421	2.19	cps
Neodymium	150-1	77	120	113	103	22.58	cps
Neodymium	150-2	77	37	73	62	35.67	cps
Nickel	60-2	1843	2220	1890	1985	10.35	cps
Phosphorus	31-2	150	130	123	134	10.32	cps
Potassium	39-2	40984384	39857087	39966732	40269401	1.54	cps
Rhodium	103-1	2077556	2087042	2028114	2064237	1.53	cps
Rhodium	103-2	1061358	1122341	1135497	1106399	3.58	cps
Scandium	45-1	1327336	1345879	1323919	1332378	0.89	cps
Scandium	45-2	111917	115725	118415	115352	2.83	cps
Selenium	82-1	128	142	156	142	9.79	cps
Selenium	77-2	0	3	3	2	86.60	cps
Selenium	78-2	133	80	97	103	26.41	cps
Silicon	28-1	183632	178934	180575	181047	1.32	cps
Silver	107-1	650	543	593	596	8.96	cps
Silver	109-1	547	593	480	540	10.55	cps
Sodium	23-2	107879935	106773858	108936485	107863426	1.00	cps
Strontium	86-1	5264	5141	5194	5200	1.19	cps
Strontium	88-1	46393	43915	42715	44341	4.23	cps
Sulfur	34-1	95882	98189	98542	97538	1.48	cps
Terbium	159-1	3781331	3812858	3633462	3742550	2.56	cps
Terbium	159-2	2240735	2334739	2435147	2336873	4.16	cps
Thallium	203-1	480	447	407	444	8.26	cps
Thallium	205-1	1233	1113	930	1092	13.99	cps
Tin	118-1	2040	2117	2260	2139	5.22	cps
Titanium	47-1	703	800	803	769	7.39	cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P7
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 12:08:18	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	823	663	590	692	17.24	cps
Vanadium	51-2	370	430	360	387	9.79	cps
Yttrium	89-1	4213790	4185392	4228266	4209149	0.52	cps
Yttrium	89-2	989594	1040022	1066172	1031929	3.77	cps
Zinc	66-2	8462	8022	8326	8270	2.72	cps
Zirconium	90-1	3771	3747	3857	3792	1.53	cps
Zirconium	91-1	810	797	810	806	0.96	cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	ICV025	Instrumnet Name :	P7
Client Sample ID :	ICV025	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 12:59:06	DataFile Name :	012ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	41489	40995	41326	41270	0.61	cps
Antimony	121-1	784850	794029	794456	791111	0.69	cps
Arsenic	75-2	34410	34614	35279	34767	1.31	cps
Barium	135-1	106984	106978	107186	107049	0.11	cps
Barium	137-1	184284	185442	185438	185055	0.36	cps
Beryllium	9-1	75783	76865	75870	76173	0.79	cps
Bismuth	209-1	2448355	2488987	2439421	2458921	1.07	cps
Bismuth	209-2	1884977	1877927	1911308	1891404	0.93	cps
Bromine	81-1	6418	6321	6241	6327	1.40	cps
Bromine	81-2	23	17	17	19	20.36	cps
Cadmium	108-1	10897	10964	11204	11022	1.46	cps
Cadmium	106-1	19089	18672	18662	18808	1.30	cps
Cadmium	111-1	105589	105804	104625	105339	0.60	cps
Calcium	43-1	22961	22914	22851	22908	0.24	cps
Calcium	44-1	356209	355940	354123	355424	0.32	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	140511	139667	139488	139888	0.39	cps
Cobalt	59-2	211484	211573	208065	210374	0.95	cps
Copper	63-2	148343	148158	148303	148268	0.07	cps
Dysprosium	156-1	13	10	10	11	17.30	cps
Dysprosium	156-2	7	3	0	3	100.05	cps
Erbium	164-1	13	20	7	13	49.99	cps
Erbium	164-2	0	0	13	4	173.21	cps
Gadolinium	160-1	13	0	10	8	89.21	cps
Gadolinium	160-2	120	120	117	119	1.62	cps
Holmium	165-1	4026792	3957517	4033045	4005784	1.05	cps
Holmium	165-2	2601852	2574401	2647504	2607919	1.42	cps
Indium	115-1	2839067	2778035	2803662	2806922	1.09	cps
Indium	115-2	884836	883199	892642	886892	0.57	cps
Iron	56-2	2538712	2473788	2455740	2489414	1.75	cps
Iron	57-2	65006	64314	65863	65061	1.19	cps
Iron	54-2	147669	145371	145148	146062	0.96	cps
Krypton	83-1	70	93	73	79	16.00	cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	ICV025	Instrumnet Name :	P7
Client Sample ID :	ICV025	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 12:59:06	DataFile Name :	012ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	672130	684772	685467	680790	1.10	cps
Lead	207-1	562559	569795	574515	568956	1.06	cps
Lead	208-1	2630491	2674607	2691714	2665604	1.19	cps
Lithium	6-1	697005	693863	696381	695750	0.24	cps
Magnesium	24-2	167814	167561	165085	166820	0.90	cps
Manganese	55-2	110653	110616	107973	109747	1.40	cps
Molybdenum	94-1	6696725	6561840	6661367	6639977	1.05	cps
Molybdenum	95-1	9600262	9560451	9543749	9568154	0.30	cps
Molybdenum	96-1	10479456	10501415	10560695	10513855	0.40	cps
Molybdenum	97-1	6004182	6094350	6066023	6054852	0.76	cps
Molybdenum	98-1	15681898	15594584	15382240	15552907	0.99	cps
Neodymium	150-1	3	17	3	8	99.04	cps
Neodymium	150-2	3	0	7	3	100.05	cps
Nickel	60-2	54445	54247	52746	53813	1.73	cps
Phosphorus	31-2	130	103	120	118	11.44	cps
Potassium	39-2	371283	371701	372138	371707	0.12	cps
Rhodium	103-1	2532200	2516041	2524866	2524369	0.32	cps
Rhodium	103-2	1379969	1374804	1390984	1381919	0.60	cps
Scandium	45-1	1452578	1473454	1448063	1458032	0.93	cps
Scandium	45-2	125225	125088	125986	125433	0.39	cps
Selenium	82-1	11142	11320	11540	11334	1.76	cps
Selenium	77-2	1017	1097	1023	1046	4.25	cps
Selenium	78-2	3614	3881	3644	3713	3.94	cps
Silicon	28-1	1137912	1143886	1151007	1144268	0.57	cps
Silver	107-1	234531	235893	235334	235253	0.29	cps
Silver	109-1	219472	220105	222223	220600	0.65	cps
Sodium	23-2	463191	462629	463029	462950	0.06	cps
Strontium	86-1	624769	625980	626785	625844	0.16	cps
Strontium	88-1	5605886	5679210	5637926	5641007	0.65	cps
Sulfur	34-1	109485	107142	107421	108016	1.19	cps
Terbium	159-1	4113590	4078252	3989699	4060514	1.57	cps
Terbium	159-2	2538894	2572580	2555625	2555700	0.66	cps
Thallium	203-1	818473	834642	842423	831846	1.47	cps
Thallium	205-1	2223483	2241993	2218611	2228029	0.55	cps
Tin	118-1	1924499	1924543	1893963	1914335	0.92	cps
Titanium	47-1	2243460	2228386	2233472	2235106	0.34	cps

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On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	ICV025	Instrumnet Name :	P7
Client Sample ID :	ICV025	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 12:59:06	DataFile Name :	012ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	7366022	7461848	7468242	7432037	0.77	cps
Vanadium	51-2	122196	122626	121249	122024	0.58	cps
Yttrium	89-1	4631773	4659959	4605853	4632528	0.58	cps
Yttrium	89-2	1146032	1144144	1161932	1150703	0.85	cps
Zinc	66-2	47773	47061	47723	47519	0.84	cps
Zirconium	90-1	3278307	3332932	3320060	3310433	0.86	cps
Zirconium	91-1	726951	736709	730753	731471	0.67	cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	ICB025	Instrumnet Name :	P7
Client Sample ID :	ICB025	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 13:16:30	DataFile Name :	014CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	70	47	73	63	22.94	cps
Antimony	121-1	43	37	67	49	32.22	cps
Arsenic	75-2	0	0	0	0	0.00	cps
Barium	135-1	37	20	23	27	33.08	cps
Barium	137-1	33	30	47	37	24.06	cps
Beryllium	9-1	50	53	53	52	3.68	cps
Bismuth	209-1	2503970	2453882	2458182	2472012	1.12	cps
Bismuth	209-2	1907662	1890561	1935863	1911362	1.20	cps
Bromine	81-1	6712	6895	7058	6888	2.52	cps
Bromine	81-2	10	33	47	30	61.87	cps
Cadmium	108-1	7	0	0	2	173.21	cps
Cadmium	106-1	1300	1197	1133	1210	6.95	cps
Cadmium	111-1	905	841	797	848	6.45	cps
Calcium	43-1	167	140	107	138	21.82	cps
Calcium	44-1	3234	3234	3130	3199	1.87	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	253	237	327	272	17.59	cps
Cobalt	59-2	13	13	10	12	15.73	cps
Copper	63-2	693	663	647	668	3.54	cps
Dysprosium	156-1	13	17	17	16	12.40	cps
Dysprosium	156-2	3	0	0	1	173.21	cps
Erbium	164-1	17	17	13	16	12.40	cps
Erbium	164-2	23	7	27	19	56.72	cps
Gadolinium	160-1	0	7	10	6	91.64	cps
Gadolinium	160-2	97	130	117	114	14.66	cps
Holmium	165-1	3998426	3954047	3970632	3974369	0.56	cps
Holmium	165-2	2677875	2603262	2714323	2665154	2.12	cps
Indium	115-1	2955731	2923970	2943601	2941101	0.54	cps
Indium	115-2	929362	917524	928359	925082	0.71	cps
Iron	56-2	4564	4781	4707	4684	2.35	cps
Iron	57-2	493	577	550	540	7.88	cps
Iron	54-2	777	760	817	784	3.71	cps
Krypton	83-1	90	87	43	73	35.50	cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	ICB025	Instrumnet Name :	P7
Client Sample ID :	ICB025	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 13:16:30	DataFile Name :	014CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	210	237	257	234	9.99	cps
Lead	207-1	190	250	243	228	14.44	cps
Lead	208-1	837	983	953	924	8.38	cps
Lithium	6-1	702311	704504	708743	705186	0.46	cps
Magnesium	24-2	1277	1287	1253	1272	1.34	cps
Manganese	55-2	103	73	80	86	18.42	cps
Molybdenum	94-1	120	117	110	116	4.41	cps
Molybdenum	95-1	70	50	77	66	21.17	cps
Molybdenum	96-1	57	83	53	64	25.51	cps
Molybdenum	97-1	30	27	43	33	26.45	cps
Molybdenum	98-1	103	70	137	103	32.26	cps
Neodymium	150-1	7	0	0	2	173.21	cps
Neodymium	150-2	3	0	7	3	100.05	cps
Nickel	60-2	63	57	63	61	6.29	cps
Phosphorus	31-2	100	107	80	96	14.52	cps
Potassium	39-2	30597	31142	30801	30847	0.89	cps
Rhodium	103-1	2568237	2588238	2551832	2569436	0.71	cps
Rhodium	103-2	1433352	1419180	1441640	1431391	0.79	cps
Scandium	45-1	1481679	1488293	1484491	1484821	0.22	cps
Scandium	45-2	129531	128815	129709	129352	0.37	cps
Selenium	82-1	87	94	151	110	31.82	cps
Selenium	77-2	0	3	0	1	173.21	cps
Selenium	78-2	93	103	100	99	5.15	cps
Silicon	28-1	165233	167433	166028	166231	0.67	cps
Silver	107-1	37	43	37	39	9.89	cps
Silver	109-1	17	27	33	26	32.81	cps
Sodium	23-2	8239	7999	8216	8151	1.62	cps
Strontium	86-1	143	123	103	123	16.22	cps
Strontium	88-1	140	117	150	136	12.62	cps
Sulfur	34-1	110469	111687	111785	111314	0.66	cps
Terbium	159-1	4068506	4053522	4144778	4088936	1.20	cps
Terbium	159-2	2574665	2621964	2621551	2606060	1.04	cps
Thallium	203-1	67	50	40	52	25.80	cps
Thallium	205-1	83	130	127	113	22.97	cps
Tin	118-1	687	837	697	740	11.33	cps
Titanium	47-1	40	23	30	31	26.97	cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	ICB025	Instrumnet Name :	P7
Client Sample ID :	ICB025	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 13:16:30	DataFile Name :	014CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	7	23	20	17	52.90	cps
Vanadium	51-2	7	7	0	4	86.60	cps
Yttrium	89-1	4693101	4662388	4784376	4713289	1.35	cps
Yttrium	89-2	1196488	1178654	1188672	1187938	0.75	cps
Zinc	66-2	113	90	110	104	12.08	cps
Zirconium	90-1	303	270	277	283	6.23	cps
Zirconium	91-1	47	67	77	63	24.12	cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	ICSA025	Instrumnet Name :	P7
Client Sample ID :	ICSA025	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 13:19:53	DataFile Name :	015ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	7397515	7357206	7421524	7392082	0.44	cps
Antimony	121-1	4447	4051	4471	4323	5.46	cps
Arsenic	75-2	70	43	60	58	23.32	cps
Barium	135-1	1380	1450	1460	1430	3.05	cps
Barium	137-1	2544	2694	2604	2614	2.89	cps
Beryllium	9-1	270	263	210	248	13.27	cps
Bismuth	209-1	2303385	2320450	2325845	2316560	0.51	cps
Bismuth	209-2	1819785	1615069	1810791	1748549	6.62	cps
Bromine	81-1	6522	6455	6532	6503	0.64	cps
Bromine	81-2	50	100	87	79	32.82	cps
Cadmium	108-1	603	563	540	569	5.63	cps
Cadmium	106-1	1230	1113	1213	1186	5.32	cps
Cadmium	111-1	1102	1205	1078	1128	5.98	cps
Calcium	43-1	986934	981725	991996	986885	0.52	cps
Calcium	44-1	14836796	14777144	14932148	14848696	0.53	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	26710	26924	26710	26782	0.46	cps
Cobalt	59-2	2480	2590	2620	2564	2.88	cps
Copper	63-2	10684	10821	11585	11030	4.40	cps
Dysprosium	156-1	10	13	23	16	44.60	cps
Dysprosium	156-2	7	10	7	8	24.71	cps
Erbium	164-1	20	17	20	19	10.18	cps
Erbium	164-2	23	23	17	21	18.21	cps
Gadolinium	160-1	17	47	23	29	54.53	cps
Gadolinium	160-2	143	127	127	132	7.28	cps
Holmium	165-1	3977228	3943792	3993756	3971592	0.64	cps
Holmium	165-2	2679895	2660833	2711845	2684191	0.96	cps
Indium	115-1	2741000	2678853	2736420	2718758	1.27	cps
Indium	115-2	876373	870080	875703	874052	0.40	cps
Iron	56-2	117859828	119204545	118852695	118639023	0.59	cps
Iron	57-2	2912770	2935127	2936660	2928186	0.46	cps
Iron	54-2	6387908	6376073	6459683	6407888	0.71	cps
Krypton	83-1	77	90	93	87	10.17	cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	ICSA025	Instrumnet Name :	P7
Client Sample ID :	ICSA025	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 13:19:53	DataFile Name :	015ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	14011	14505	14528	14348	2.04	cps
Lead	207-1	11095	11228	11675	11333	2.68	cps
Lead	208-1	52403	53678	54222	53434	1.75	cps
Lithium	6-1	672132	655709	669045	665629	1.31	cps
Magnesium	24-2	12522800	12696888	12641999	12620563	0.71	cps
Manganese	55-2	8683	8639	8292	8538	2.51	cps
Molybdenum	94-1	2016349	2005159	2008699	2010069	0.28	cps
Molybdenum	95-1	3601621	3549992	3540928	3564180	0.92	cps
Molybdenum	96-1	3855573	3817070	3815068	3829237	0.60	cps
Molybdenum	97-1	2248378	2219969	2253331	2240560	0.80	cps
Molybdenum	98-1	5817537	5812180	5859953	5829890	0.45	cps
Neodymium	150-1	13	27	7	16	65.47	cps
Neodymium	150-2	10	7	17	11	45.82	cps
Nickel	60-2	2777	2570	2717	2688	3.96	cps
Phosphorus	31-2	385610	385540	388495	386548	0.44	cps
Potassium	39-2	15731860	15976561	15898980	15869134	0.79	cps
Rhodium	103-1	2346591	2287921	2331081	2321864	1.31	cps
Rhodium	103-2	1317907	1300616	1309694	1309406	0.66	cps
Scandium	45-1	1370061	1356542	1346576	1357726	0.87	cps
Scandium	45-2	123162	121220	123370	122584	0.97	cps
Selenium	82-1	111	79	77	89	21.36	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	103	90	93	96	7.26	cps
Silicon	28-1	195516	191956	192687	193386	0.97	cps
Silver	107-1	277	247	330	284	14.84	cps
Silver	109-1	223	230	293	249	15.52	cps
Sodium	23-2	21308171	21196375	21350761	21285103	0.37	cps
Strontium	86-1	40195	40318	40576	40363	0.48	cps
Strontium	88-1	352622	354972	359484	355693	0.98	cps
Sulfur	34-1	1413765	1392018	1415252	1407012	0.92	cps
Terbium	159-1	4051551	4083115	4062930	4065865	0.39	cps
Terbium	159-2	2590719	2564093	2625344	2593385	1.18	cps
Thallium	203-1	277	290	323	297	8.10	cps
Thallium	205-1	697	663	793	718	9.41	cps
Tin	118-1	1550	1660	1610	1607	3.43	cps
Titanium	47-1	869824	861146	865246	865405	0.50	cps

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Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	ICSA025	Instrumnet Name :	P7
Client Sample ID :	ICSA025	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 13:19:53	DataFile Name :	015ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	220	207	243	223	8.31	cps
Vanadium	51-2	267	250	267	261	3.69	cps
Yttrium	89-1	4501634	4440094	4502123	4481284	0.80	cps
Yttrium	89-2	1150452	1137245	1148808	1145502	0.63	cps
Zinc	66-2	2604	2734	2630	2656	2.59	cps
Zirconium	90-1	413	400	437	417	4.45	cps
Zirconium	91-1	97	107	113	106	7.94	cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	ICSAB025	Instrumnet Name :	P7
Client Sample ID :	ICSAB025	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 13:23:05	DataFile Name :	016ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	7525034	7546006	7548171	7539737	0.17	cps
Antimony	121-1	82169	83085	84855	83370	1.64	cps
Arsenic	75-2	3694	3280	3454	3476	5.97	cps
Barium	135-1	22381	22658	23105	22715	1.61	cps
Barium	137-1	38017	40437	38967	39140	3.12	cps
Beryllium	9-1	14867	15064	15137	15023	0.93	cps
Bismuth	209-1	2329516	2404403	2329683	2354534	1.83	cps
Bismuth	209-2	1831477	1848694	1845140	1841771	0.49	cps
Bromine	81-1	6962	6858	7052	6957	1.39	cps
Bromine	81-2	123	150	103	126	18.64	cps
Cadmium	108-1	1887	2094	2037	2006	5.33	cps
Cadmium	106-1	3721	3891	3774	3795	2.29	cps
Cadmium	111-1	20860	20638	20245	20581	1.51	cps
Calcium	43-1	1024150	1032245	1037005	1031133	0.63	cps
Calcium	44-1	15563201	15568415	15629864	15587160	0.24	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	54070	53581	54244	53965	0.64	cps
Cobalt	59-2	42878	42564	42794	42745	0.38	cps
Copper	63-2	37347	37721	37276	37448	0.64	cps
Dysprosium	156-1	27	17	30	24	28.38	cps
Dysprosium	156-2	23	13	13	17	34.65	cps
Erbium	164-1	33	27	30	30	11.10	cps
Erbium	164-2	30	17	7	18	65.83	cps
Gadolinium	160-1	27	33	30	30	11.10	cps
Gadolinium	160-2	87	123	113	108	17.58	cps
Holmium	165-1	4051345	4102072	4065147	4072854	0.64	cps
Holmium	165-2	2665636	2730851	2716001	2704163	1.26	cps
Indium	115-1	2755278	2809584	2801953	2788939	1.05	cps
Indium	115-2	885359	891663	893723	890248	0.49	cps
Iron	56-2	118604995	119485382	118813612	118967996	0.39	cps
Iron	57-2	2958281	2984334	2956273	2966296	0.53	cps
Iron	54-2	6540282	6536402	6601423	6559369	0.56	cps
Krypton	83-1	53	67	90	70	26.51	cps

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Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	ICSAB025	Instrumnet Name :	P7
Client Sample ID :	ICSAB025	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 13:23:05	DataFile Name :	016ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	82632	84658	85704	84331	1.85	cps
Lead	207-1	69871	69825	70300	69999	0.37	cps
Lead	208-1	321842	326371	326896	325036	0.85	cps
Lithium	6-1	699893	704766	695024	699894	0.70	cps
Magnesium	24-2	13004255	12898642	12893202	12932033	0.48	cps
Manganese	55-2	29506	29479	29790	29591	0.58	cps
Molybdenum	94-1	2228210	2263894	2301162	2264422	1.61	cps
Molybdenum	95-1	3715629	3786418	3776076	3759374	1.02	cps
Molybdenum	96-1	4002706	4114390	4089115	4068737	1.44	cps
Molybdenum	97-1	2368235	2382103	2409331	2386556	0.88	cps
Molybdenum	98-1	6099052	6036882	6194714	6110216	1.30	cps
Neodymium	150-1	20	17	23	20	16.65	cps
Neodymium	150-2	10	10	23	14	53.28	cps
Nickel	60-2	12235	12555	12195	12328	1.60	cps
Phosphorus	31-2	393356	395156	396357	394956	0.38	cps
Potassium	39-2	16058730	15928997	16058974	16015567	0.47	cps
Rhodium	103-1	2419701	2390699	2363697	2391366	1.17	cps
Rhodium	103-2	1337112	1334796	1334823	1335577	0.10	cps
Scandium	45-1	1436977	1467511	1414380	1439623	1.85	cps
Scandium	45-2	125743	126429	127144	126439	0.55	cps
Selenium	82-1	1205	1209	1246	1220	1.86	cps
Selenium	77-2	87	120	93	100	17.64	cps
Selenium	78-2	453	507	433	464	8.16	cps
Silicon	28-1	296251	300313	301717	299427	0.95	cps
Silver	107-1	84970	87682	87890	86848	1.88	cps
Silver	109-1	80629	82677	82499	81935	1.38	cps
Sodium	23-2	21766155	21731406	21905936	21801166	0.42	cps
Strontium	86-1	102647	103523	103497	103222	0.48	cps
Strontium	88-1	896024	909987	906761	904257	0.81	cps
Sulfur	34-1	1463878	1486658	1470122	1473553	0.80	cps
Terbium	159-1	4138920	4250775	4215061	4201585	1.36	cps
Terbium	159-2	2638233	2656363	2668193	2654263	0.57	cps
Thallium	203-1	94162	95273	96153	95196	1.05	cps
Thallium	205-1	224645	225241	229223	226370	1.10	cps
Tin	118-1	174405	177448	178181	176678	1.13	cps
Titanium	47-1	919977	929395	928808	926060	0.57	cps

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Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	ICSAB025	Instrumnet Name :	P7
Client Sample ID :	ICSAB025	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 13:23:05	DataFile Name :	016ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	622156	628300	630635	627030	0.70	cps
Vanadium	51-2	24694	24366	24490	24517	0.67	cps
Yttrium	89-1	4611281	4688080	4642402	4647255	0.83	cps
Yttrium	89-2	1166451	1169802	1180737	1172330	0.64	cps
Zinc	66-2	7522	7409	7305	7412	1.46	cps
Zirconium	90-1	317603	324020	323459	321694	1.10	cps
Zirconium	91-1	71687	71868	72692	72082	0.74	cps

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Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	CCV094	Instrumnet Name :	P7
Client Sample ID :	CCV094	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 13:35:33	DataFile Name :	017CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4136849	4043443	4087157	4089149	1.14	cps
Antimony	121-1	1970457	2015878	2011294	1999210	1.25	cps
Arsenic	75-2	82940	82725	83369	83011	0.39	cps
Barium	135-1	2827685	2824037	2898252	2849991	1.47	cps
Barium	137-1	4825636	4848299	4982617	4885518	1.74	cps
Beryllium	9-1	348353	357353	361865	355857	1.93	cps
Bismuth	209-1	2198259	2197944	2250477	2215560	1.36	cps
Bismuth	209-2	1525239	1524613	1519765	1523205	0.20	cps
Bromine	81-1	6298	5748	6151	6066	4.70	cps
Bromine	81-2	33	40	23	32	26.04	cps
Cadmium	108-1	34374	33786	33920	34026	0.91	cps
Cadmium	106-1	49818	49715	50778	50104	1.17	cps
Cadmium	111-1	446217	451081	454506	450601	0.92	cps
Calcium	43-1	2352094	2447096	2471356	2423515	2.60	cps
Calcium	44-1	37736194	38206025	39029271	38323830	1.71	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	673792	671940	678878	674870	0.53	cps
Cobalt	59-2	1061049	1054730	1062786	1059521	0.40	cps
Copper	63-2	7041944	7149398	7040829	7077391	0.88	cps
Dysprosium	156-1	113	107	120	113	5.88	cps
Dysprosium	156-2	183	207	203	198	6.38	cps
Erbium	164-1	103	80	53	79	31.71	cps
Erbium	164-2	57	80	40	59	34.12	cps
Gadolinium	160-1	97	60	87	81	23.37	cps
Gadolinium	160-2	163	130	187	160	17.80	cps
Holmium	165-1	3807453	3789705	3777410	3791523	0.40	cps
Holmium	165-2	2605556	2561152	2569559	2578756	0.91	cps
Indium	115-1	2593055	2584183	2619664	2598967	0.71	cps
Indium	115-2	827457	827760	827272	827496	0.03	cps
Iron	56-2	148178514	148825394	147793531	148265813	0.35	cps
Iron	57-2	3700968	3666988	3718296	3695417	0.71	cps
Iron	54-2	8112606	8006252	8042580	8053813	0.67	cps
Krypton	83-1	90	87	70	82	13.03	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	CCV094	Instrumnet Name :	P7
Client Sample ID :	CCV094	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 13:35:33	DataFile Name :	017CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	8387059	8450624	8711361	8516348	2.02	cps
Lead	207-1	7371909	7465620	7616629	7484719	1.65	cps
Lead	208-1	33588920	34317970	34812331	34239740	1.80	cps
Lithium	6-1	633814	636553	653799	641389	1.69	cps
Magnesium	24-2	33114830	32597418	32985379	32899209	0.82	cps
Manganese	55-2	5230994	5215207	5212839	5219680	0.19	cps
Molybdenum	94-1	6900302	7069843	7108122	7026089	1.57	cps
Molybdenum	95-1	10183680	10320717	10414747	10306381	1.13	cps
Molybdenum	96-1	11119442	11297610	11355184	11257412	1.09	cps
Molybdenum	97-1	6312744	6496871	6572185	6460600	2.07	cps
Molybdenum	98-1	16648579	16870569	16855154	16791434	0.74	cps
Neodymium	150-1	290	280	260	277	5.52	cps
Neodymium	150-2	63	80	70	71	11.80	cps
Nickel	60-2	256359	256023	256833	256405	0.16	cps
Phosphorus	31-2	39464	39518	39955	39646	0.68	cps
Potassium	39-2	20612389	20375368	20454082	20480613	0.59	cps
Rhodium	103-1	2185094	2190844	2198213	2191384	0.30	cps
Rhodium	103-2	1229383	1236442	1234496	1233440	0.30	cps
Scandium	45-1	1339999	1356914	1352732	1349882	0.65	cps
Scandium	45-2	120766	120669	121345	120926	0.30	cps
Selenium	82-1	24706	24994	25219	24973	1.03	cps
Selenium	77-2	2614	2414	2440	2489	4.36	cps
Selenium	78-2	8299	8329	8316	8315	0.18	cps
Silicon	28-1	1503063	1527058	1574762	1534961	2.38	cps
Silver	107-1	2183646	2255109	2254985	2231247	1.85	cps
Silver	109-1	2092676	2128404	2110944	2110674	0.85	cps
Sodium	23-2	55425898	54977071	56007144	55470038	0.93	cps
Strontium	86-1	15010085	15121019	15285296	15138800	0.91	cps
Strontium	88-1	132162928	134263521	134490545	133638998	0.96	cps
Sulfur	34-1	229193	232698	233416	231769	0.97	cps
Terbium	159-1	3868569	3922797	3979879	3923748	1.42	cps
Terbium	159-2	2495471	2469119	2508983	2491191	0.81	cps
Thallium	203-1	2082900	2088120	2128459	2099826	1.19	cps
Thallium	205-1	4991334	5036681	5191874	5073296	2.07	cps
Tin	118-1	1695768	1763021	1758611	1739133	2.16	cps
Titanium	47-1	2297540	2369074	2395171	2353928	2.15	cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	CCV094	Instrumnet Name :	P7
Client Sample ID :	CCV094	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 13:35:33	DataFile Name :	017CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	7012202	7119582	7259239	7130341	1.74	cps
Vanadium	51-2	619935	614815	622105	618952	0.60	cps
Yttrium	89-1	4325475	4305847	4365985	4332436	0.71	cps
Yttrium	89-2	1105556	1100263	1103165	1102995	0.24	cps
Zinc	66-2	1208539	1201620	1212404	1207521	0.45	cps
Zirconium	90-1	3163640	3185578	3211452	3186890	0.75	cps
Zirconium	91-1	696776	712583	713164	707508	1.31	cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	CCB094	Instrumnet Name :	P7
Client Sample ID :	CCB094	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 13:38:25	DataFile Name :	018CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	253	253	300	269	10.02	cps
Antimony	121-1	1333	1417	1507	1419	6.11	cps
Arsenic	75-2	20	17	0	12	87.67	cps
Barium	135-1	147	93	67	102	39.85	cps
Barium	137-1	170	127	120	139	19.55	cps
Beryllium	9-1	263	190	260	238	17.42	cps
Bismuth	209-1	2518866	2508907	2523671	2517148	0.30	cps
Bismuth	209-2	1960260	2010579	1941007	1970615	1.82	cps
Bromine	81-1	6475	6458	6408	6447	0.54	cps
Bromine	81-2	27	23	23	24	7.89	cps
Cadmium	108-1	3	3	3	3	0.00	cps
Cadmium	106-1	1347	1223	1357	1309	5.67	cps
Cadmium	111-1	1004	891	991	962	6.43	cps
Calcium	43-1	263	193	183	213	20.43	cps
Calcium	44-1	4501	4331	4064	4298	5.12	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	343	260	350	318	15.78	cps
Cobalt	59-2	47	70	73	63	22.94	cps
Copper	63-2	1220	1003	1197	1140	10.43	cps
Dysprosium	156-1	3	10	3	6	69.34	cps
Dysprosium	156-2	3	3	0	2	86.60	cps
Erbium	164-1	10	23	13	16	44.60	cps
Erbium	164-2	10	7	0	6	91.64	cps
Gadolinium	160-1	3	10	10	8	49.52	cps
Gadolinium	160-2	113	97	107	106	7.94	cps
Holmium	165-1	3924023	3960872	4033731	3972875	1.41	cps
Holmium	165-2	2667085	2730317	2625490	2674297	1.97	cps
Indium	115-1	2922673	2905943	2914591	2914402	0.29	cps
Indium	115-2	917127	922628	907115	915623	0.86	cps
Iron	56-2	12572	13389	14337	13433	6.58	cps
Iron	57-2	623	700	727	683	7.85	cps
Iron	54-2	1103	1257	1290	1217	8.18	cps
Krypton	83-1	63	63	70	66	5.87	cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	CCB094	Instrumnet Name :	P7
Client Sample ID :	CCB094	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 13:38:25	DataFile Name :	018CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1007	867	607	827	24.55	cps
Lead	207-1	750	703	687	713	4.60	cps
Lead	208-1	3747	3137	2920	3268	13.12	cps
Lithium	6-1	703805	712124	712855	709595	0.71	cps
Magnesium	24-2	2577	2574	2810	2654	5.11	cps
Manganese	55-2	323	297	343	321	7.29	cps
Molybdenum	94-1	810	807	743	787	4.78	cps
Molybdenum	95-1	680	623	650	651	4.35	cps
Molybdenum	96-1	1033	790	727	850	19.05	cps
Molybdenum	97-1	423	373	420	406	6.89	cps
Molybdenum	98-1	1197	1060	1027	1094	8.23	cps
Neodymium	150-1	7	3	3	4	43.40	cps
Neodymium	150-2	3	0	3	2	86.60	cps
Nickel	60-2	87	93	87	89	4.33	cps
Phosphorus	31-2	127	130	97	118	15.59	cps
Potassium	39-2	32632	32819	33337	32929	1.11	cps
Rhodium	103-1	2526919	2507005	2516128	2516684	0.40	cps
Rhodium	103-2	1401945	1434733	1414436	1417038	1.17	cps
Scandium	45-1	1411611	1445784	1420983	1426126	1.24	cps
Scandium	45-2	125014	127568	125665	126082	1.05	cps
Selenium	82-1	76	87	118	94	22.91	cps
Selenium	77-2	7	3	0	3	100.05	cps
Selenium	78-2	110	63	83	86	27.37	cps
Silicon	28-1	168012	166948	166608	167189	0.44	cps
Silver	107-1	357	297	190	281	30.03	cps
Silver	109-1	267	207	220	231	13.63	cps
Sodium	23-2	17814	17297	17156	17422	1.99	cps
Strontium	86-1	757	557	600	638	16.50	cps
Strontium	88-1	5341	3897	3497	4245	22.85	cps
Sulfur	34-1	104924	105514	105286	105241	0.28	cps
Terbium	159-1	4103019	4117176	4132029	4117408	0.35	cps
Terbium	159-2	2548095	2665095	2614153	2609114	2.25	cps
Thallium	203-1	377	333	293	334	12.46	cps
Thallium	205-1	907	670	647	741	19.41	cps
Tin	118-1	917	1017	970	968	5.17	cps
Titanium	47-1	183	150	130	154	17.45	cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	CCB094	Instrumnet Name :	P7
Client Sample ID :	CCB094	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 13:38:25	DataFile Name :	018CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	283	210	217	237	17.14	cps
Vanadium	51-2	27	33	27	29	13.31	cps
Yttrium	89-1	4618047	4614770	4650651	4627823	0.43	cps
Yttrium	89-2	1163501	1175427	1158100	1165676	0.76	cps
Zinc	66-2	180	220	233	211	13.15	cps
Zirconium	90-1	1083	900	1013	999	9.26	cps
Zirconium	91-1	210	253	277	247	13.72	cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	P2816-01A	Instrumnet Name :	P7
Client Sample ID :	MYD4J8ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 13:52:29	DataFile Name :	020SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3430224	3433901	3418050	3427392	0.24	cps
Antimony	121-1	3520	3477	3550	3516	1.05	cps
Arsenic	75-2	42888	43039	42898	42942	0.20	cps
Barium	135-1	274864	284568	279609	279680	1.74	cps
Barium	137-1	475989	484266	485013	481756	1.04	cps
Beryllium	9-1	1013	1153	1030	1066	7.18	cps
Bismuth	209-1	2484661	2490242	2430613	2468505	1.33	cps
Bismuth	209-2	1875251	1904709	1859399	1879786	1.22	cps
Bromine	81-1	7295	7219	7319	7277	0.72	cps
Bromine	81-2	130	150	163	148	11.36	cps
Cadmium	108-1	140	147	127	138	7.39	cps
Cadmium	106-1	1613	1473	1437	1508	6.18	cps
Cadmium	111-1	1835	1745	1720	1767	3.40	cps
Calcium	43-1	153430	157103	158872	156468	1.77	cps
Calcium	44-1	2356335	2454066	2391821	2400741	2.06	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	58305	59025	58556	58629	0.62	cps
Cobalt	59-2	72943	73428	73228	73199	0.33	cps
Copper	63-2	175239	170465	170397	172034	1.61	cps
Dysprosium	156-1	33223	34205	34101	33843	1.59	cps
Dysprosium	156-2	25356	25577	24892	25275	1.38	cps
Erbium	164-1	29267	29919	29548	29578	1.10	cps
Erbium	164-2	18582	18856	18796	18745	0.77	cps
Gadolinium	160-1	31051	32117	32030	31733	1.86	cps
Gadolinium	160-2	21944	22251	22017	22071	0.73	cps
Holmium	165-1	4069989	4189552	4078529	4112690	1.62	cps
Holmium	165-2	2717431	2758225	2694422	2723359	1.19	cps
Indium	115-1	2919037	2962232	3004964	2962078	1.45	cps
Indium	115-2	924280	937808	924608	928898	0.83	cps
Iron	56-2	110633058	110692522	109629052	110318211	0.54	cps
Iron	57-2	2744188	2694966	2729697	2722950	0.93	cps
Iron	54-2	5950854	5994774	5984672	5976767	0.38	cps
Krypton	83-1	117	117	137	123	9.36	cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	P2816-01A	Instrumnet Name :	P7
Client Sample ID :	MYD4J8ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 13:52:29	DataFile Name :	020SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	142110	147199	142931	144080	1.90	cps
Lead	207-1	123804	126609	125746	125386	1.15	cps
Lead	208-1	567667	577038	576401	573702	0.91	cps
Lithium	6-1	729611	749386	745517	741505	1.41	cps
Magnesium	24-2	2082587	2094768	2154497	2110617	1.82	cps
Manganese	55-2	1711605	1720700	1695384	1709229	0.75	cps
Molybdenum	94-1	23769	23716	23833	23773	0.25	cps
Molybdenum	95-1	2064	2140	2124	2109	1.91	cps
Molybdenum	96-1	7392	7502	7489	7461	0.81	cps
Molybdenum	97-1	1307	1447	1513	1422	7.42	cps
Molybdenum	98-1	3354	3437	3247	3346	2.85	cps
Neodymium	150-1	54428	54893	54391	54571	0.51	cps
Neodymium	150-2	29765	29234	29975	29658	1.29	cps
Nickel	60-2	19139	19863	18939	19314	2.52	cps
Phosphorus	31-2	9270	9623	9596	9496	2.07	cps
Potassium	39-2	1066730	1068735	1066415	1067293	0.12	cps
Rhodium	103-1	2517620	2578764	2561324	2552569	1.23	cps
Rhodium	103-2	1417644	1442538	1408982	1423055	1.22	cps
Scandium	45-1	1588495	1627837	1630305	1615546	1.45	cps
Scandium	45-2	140582	143643	139384	141203	1.56	cps
Selenium	82-1	99	138	131	123	16.70	cps
Selenium	77-2	70	93	53	72	27.82	cps
Selenium	78-2	147	147	143	146	1.32	cps
Silicon	28-1	16256841	16585008	16645908	16495919	1.27	cps
Silver	107-1	1437	1533	1607	1526	5.59	cps
Silver	109-1	1327	1420	1440	1396	4.33	cps
Sodium	23-2	57905	58571	58825	58434	0.81	cps
Strontium	86-1	77100	80157	80019	79092	2.18	cps
Strontium	88-1	688083	704105	708315	700168	1.52	cps
Sulfur	34-1	115254	113830	110992	113359	1.91	cps
Terbium	159-1	4139653	4198556	4207700	4181970	0.88	cps
Terbium	159-2	2652195	2654711	2626039	2644315	0.60	cps
Thallium	203-1	1190	1167	1047	1135	6.78	cps
Thallium	205-1	2777	2657	2787	2740	2.64	cps
Tin	118-1	5925	6355	5958	6079	3.94	cps
Titanium	47-1	628863	646402	648510	641259	1.68	cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	P2816-01A	Instrumnet Name :	P7
Client Sample ID :	MYD4J8ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 13:52:29	DataFile Name :	020SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	9837	9810	9907	9852	0.51	cps
Vanadium	51-2	208618	210844	211751	210405	0.77	cps
Yttrium	89-1	5171386	5328341	5188910	5229546	1.64	cps
Yttrium	89-2	1296913	1306285	1282627	1295275	0.92	cps
Zinc	66-2	54041	54178	55034	54418	0.99	cps
Zirconium	90-1	58964	60912	60842	60240	1.83	cps
Zirconium	91-1	12969	13476	13510	13318	2.27	cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	P2823-01ADLX4	Instrumnet Name :	P7
Client Sample ID :	MYD5X1ARE	Dilution Factor :	4
Date & Time Acquired :	2024-10-18 14:06:11	DataFile Name :	021SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	649270	644741	645161	646391	0.39	cps
Antimony	121-1	763	820	937	840	10.52	cps
Arsenic	75-2	1713	1783	1807	1768	2.75	cps
Barium	135-1	250182	249475	252734	250797	0.68	cps
Barium	137-1	434829	436921	436717	436156	0.26	cps
Beryllium	9-1	247	263	253	254	3.30	cps
Bismuth	209-1	2103273	2456860	2386011	2315381	8.08	cps
Bismuth	209-2	1915519	1929111	1908316	1917649	0.55	cps
Bromine	81-1	6728	7285	6425	6813	6.41	cps
Bromine	81-2	50	83	77	70	25.20	cps
Cadmium	108-1	40	33	40	38	10.19	cps
Cadmium	106-1	1127	1323	1167	1206	8.62	cps
Cadmium	111-1	951	1136	1005	1031	9.26	cps
Calcium	43-1	40581	40858	41092	40844	0.63	cps
Calcium	44-1	658854	660926	663559	661113	0.36	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	17854	17704	17010	17522	2.57	cps
Cobalt	59-2	14400	14437	13943	14260	1.93	cps
Copper	63-2	30752	30655	30424	30610	0.55	cps
Dysprosium	156-1	7769	7485	7385	7547	2.64	cps
Dysprosium	156-2	5935	5788	5701	5808	2.03	cps
Erbium	164-1	6051	6271	6235	6186	1.91	cps
Erbium	164-2	3924	4154	3991	4023	2.94	cps
Gadolinium	160-1	6775	7029	6692	6832	2.57	cps
Gadolinium	160-2	4641	4694	4931	4755	3.25	cps
Holmium	165-1	3459191	4142199	3981593	3860995	9.25	cps
Holmium	165-2	2648098	2696175	2696766	2680347	1.04	cps
Indium	115-1	2543140	2951274	2867614	2787343	7.73	cps
Indium	115-2	930493	931969	922415	928292	0.55	cps
Iron	56-2	19070773	18870051	18876844	18939222	0.60	cps
Iron	57-2	493306	487092	490127	490175	0.63	cps
Iron	54-2	1079941	1075576	1074051	1076523	0.28	cps
Krypton	83-1	130	83	77	97	30.06	cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	P2823-01ADLX4	Instrumnet Name :	P7
Client Sample ID :	MYD5X1ARE	Dilution Factor :	4
Date & Time Acquired :	2024-10-18 14:06:11	DataFile Name :	021SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	58425	57852	59473	58583	1.40	cps
Lead	207-1	51979	52882	52481	52447	0.86	cps
Lead	208-1	235221	236608	236952	236260	0.39	cps
Lithium	6-1	619551	716524	711967	682680	8.02	cps
Magnesium	24-2	452556	452150	449825	451510	0.33	cps
Manganese	55-2	371435	372329	370008	371257	0.32	cps
Molybdenum	94-1	5715	5544	5581	5613	1.59	cps
Molybdenum	95-1	467	493	463	474	3.47	cps
Molybdenum	96-1	1583	1680	1727	1663	4.40	cps
Molybdenum	97-1	293	380	277	317	17.52	cps
Molybdenum	98-1	667	793	793	751	9.74	cps
Neodymium	150-1	12779	12679	12559	12672	0.87	cps
Neodymium	150-2	6895	6915	6885	6898	0.22	cps
Nickel	60-2	6298	6275	6415	6329	1.19	cps
Phosphorus	31-2	1890	1727	1790	1802	4.57	cps
Potassium	39-2	294364	294419	292422	293735	0.39	cps
Rhodium	103-1	2226566	2613573	2557868	2466002	8.48	cps
Rhodium	103-2	1437635	1442893	1427772	1436100	0.53	cps
Scandium	45-1	1289842	1515273	1512676	1439264	8.99	cps
Scandium	45-2	132405	133525	131030	132320	0.94	cps
Selenium	82-1	66	72	112	84	29.88	cps
Selenium	77-2	10	20	17	16	32.73	cps
Selenium	78-2	147	107	120	124	16.37	cps
Silicon	28-1	3698923	3764117	3758317	3740452	0.96	cps
Silver	107-1	490	480	550	507	7.47	cps
Silver	109-1	493	417	490	467	9.29	cps
Sodium	23-2	31612	31328	31108	31350	0.81	cps
Strontium	86-1	24173	24063	24086	24108	0.24	cps
Strontium	88-1	208056	212414	210640	210370	1.04	cps
Sulfur	34-1	100215	101816	100903	100978	0.80	cps
Terbium	159-1	3569001	4152421	4054799	3925407	7.96	cps
Terbium	159-2	2639708	2640854	2654561	2645041	0.31	cps
Thallium	203-1	307	307	273	296	6.51	cps
Thallium	205-1	770	743	740	751	2.19	cps
Tin	118-1	4597	4644	4444	4562	2.29	cps
Titanium	47-1	138258	138392	138342	138330	0.05	cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	P2823-01ADLX4	Instrumnet Name :	P7
Client Sample ID :	MYD5X1ARE	Dilution Factor :	4
Date & Time Acquired :	2024-10-18 14:06:11	DataFile Name :	021SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	3490	3531	3567	3529	1.09	cps
Vanadium	51-2	107214	106593	105774	106527	0.68	cps
Yttrium	89-1	4183484	4897724	4811209	4630806	8.42	cps
Yttrium	89-2	1215606	1220588	1218837	1218343	0.21	cps
Zinc	66-2	16956	16823	16683	16821	0.81	cps
Zirconium	90-1	14350	14791	14701	14614	1.59	cps
Zirconium	91-1	3120	3327	3257	3235	3.25	cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	P2824-01A	Instrumnet Name :	P7
Client Sample ID :	MYD5K5ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 14:09:32	DataFile Name :	022SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4221389	4225733	4142092	4196405	1.12	cps
Antimony	121-1	5318	5604	5414	5446	2.68	cps
Arsenic	75-2	31777	31356	31276	31470	0.86	cps
Barium	135-1	518165	534129	526497	526263	1.52	cps
Barium	137-1	912972	909676	906278	909642	0.37	cps
Beryllium	9-1	997	927	973	966	3.69	cps
Bismuth	209-1	2393561	2388947	2430857	2404455	0.96	cps
Bismuth	209-2	1824855	1818763	1833815	1825811	0.41	cps
Bromine	81-1	8783	8639	8869	8764	1.33	cps
Bromine	81-2	407	393	353	384	7.22	cps
Cadmium	108-1	153	133	83	123	29.24	cps
Cadmium	106-1	1630	1683	1567	1627	3.59	cps
Cadmium	111-1	1867	1912	1898	1892	1.21	cps
Calcium	43-1	104493	107504	107020	106339	1.52	cps
Calcium	44-1	1592231	1622338	1615867	1610145	0.98	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	210850	207362	208082	208765	0.88	cps
Cobalt	59-2	177267	174886	173938	175364	0.98	cps
Copper	63-2	303442	302577	299507	301842	0.69	cps
Dysprosium	156-1	31455	32805	31933	32064	2.13	cps
Dysprosium	156-2	23981	24448	24077	24169	1.02	cps
Erbium	164-1	23817	23857	24264	23980	1.03	cps
Erbium	164-2	15702	15242	15335	15426	1.58	cps
Gadolinium	160-1	28115	28068	28128	28104	0.11	cps
Gadolinium	160-2	19327	18686	19163	19059	1.75	cps
Holmium	165-1	4047532	4159737	4061143	4089471	1.50	cps
Holmium	165-2	2660909	2588241	2650955	2633368	1.50	cps
Indium	115-1	2886207	2895933	2859213	2880451	0.66	cps
Indium	115-2	912231	889881	902576	901563	1.24	cps
Iron	56-2	231347617	230797643	228609163	230251474	0.63	cps
Iron	57-2	5761536	5659151	5653569	5691418	1.07	cps
Iron	54-2	12667196	12547180	12536926	12583767	0.58	cps
Krypton	83-1	113	103	87	101	13.32	cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	P2824-01A	Instrumnet Name :	P7
Client Sample ID :	MYD5K5ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 14:09:32	DataFile Name :	022SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	178039	184317	181565	181307	1.74	cps
Lead	207-1	162474	163005	160873	162117	0.68	cps
Lead	208-1	726500	733724	731607	730610	0.51	cps
Lithium	6-1	729836	733148	736770	733252	0.47	cps
Magnesium	24-2	4104118	4039079	4053263	4065487	0.84	cps
Manganese	55-2	9869311	9923682	9925864	9906286	0.32	cps
Molybdenum	94-1	24661	24688	25041	24797	0.86	cps
Molybdenum	95-1	4644	4744	4644	4677	1.23	cps
Molybdenum	96-1	11795	11648	10991	11478	3.73	cps
Molybdenum	97-1	2784	2887	2740	2804	2.69	cps
Molybdenum	98-1	7002	7385	6912	7100	3.54	cps
Neodymium	150-1	49289	50757	50738	50261	1.68	cps
Neodymium	150-2	26896	26779	26879	26851	0.24	cps
Nickel	60-2	55954	56248	56041	56081	0.27	cps
Phosphorus	31-2	8509	8322	7905	8246	3.75	cps
Potassium	39-2	1755487	1754920	1732124	1747511	0.76	cps
Rhodium	103-1	2570658	2619907	2549078	2579881	1.41	cps
Rhodium	103-2	1389337	1370507	1387371	1382405	0.75	cps
Scandium	45-1	1671956	1714219	1692317	1692830	1.25	cps
Scandium	45-2	143909	141211	143529	142883	1.02	cps
Selenium	82-1	855	847	859	854	0.69	cps
Selenium	77-2	133	117	117	122	7.87	cps
Selenium	78-2	373	450	350	391	13.38	cps
Silicon	28-1	12411491	12568796	12543359	12507882	0.68	cps
Silver	107-1	1290	1367	1407	1355	4.38	cps
Silver	109-1	973	1273	1217	1155	13.81	cps
Sodium	23-2	56985	56349	57537	56957	1.04	cps
Strontium	86-1	104286	107069	106229	105861	1.35	cps
Strontium	88-1	926044	926324	924985	925784	0.08	cps
Sulfur	34-1	105014	106847	104581	105481	1.14	cps
Terbium	159-1	4202968	4155350	4132010	4163443	0.87	cps
Terbium	159-2	2639276	2580054	2610845	2610058	1.13	cps
Thallium	203-1	1273	1540	1480	1431	9.78	cps
Thallium	205-1	3250	3410	3447	3369	3.10	cps
Tin	118-1	9073	8976	9046	9032	0.55	cps
Titanium	47-1	478514	486747	478273	481178	1.00	cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	P2824-01A	Instrumnet Name :	P7
Client Sample ID :	MYD5K5ARE	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 14:09:32	DataFile Name :	022SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	11855	12192	12176	12074	1.57	cps
Vanadium	51-2	386263	387106	383779	385716	0.45	cps
Yttrium	89-1	5103471	5103015	5137738	5114742	0.39	cps
Yttrium	89-2	1259667	1236146	1242683	1246165	0.97	cps
Zinc	66-2	79021	78495	78944	78820	0.36	cps
Zirconium	90-1	59490	60829	59898	60072	1.14	cps
Zirconium	91-1	13646	13460	13410	13505	0.92	cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	P2827-10DLX4	Instrumnet Name :	P7
Client Sample ID :	MYD5Y3	Dilution Factor :	4
Date & Time Acquired :	2024-10-18 14:23:04	DataFile Name :	023SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1065610	1055381	1044095	1055029	1.02	cps
Antimony	121-1	293	270	260	274	6.23	cps
Arsenic	75-2	1377	1463	1487	1442	4.02	cps
Barium	135-1	156610	155248	155653	155837	0.45	cps
Barium	137-1	269829	270786	268847	269821	0.36	cps
Beryllium	9-1	423	363	473	420	13.11	cps
Bismuth	209-1	2387906	2343011	2378446	2369788	1.00	cps
Bismuth	209-2	1825995	1841002	1604185	1757061	7.55	cps
Bromine	81-1	7795	7609	7582	7662	1.52	cps
Bromine	81-2	177	167	143	162	10.54	cps
Cadmium	108-1	50	20	23	31	52.86	cps
Cadmium	106-1	1210	1280	1253	1248	2.83	cps
Cadmium	111-1	962	975	1004	981	2.21	cps
Calcium	43-1	49199	48487	48377	48688	0.92	cps
Calcium	44-1	787362	781716	776100	781726	0.72	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	20824	21058	20748	20877	0.77	cps
Cobalt	59-2	18588	18258	18178	18341	1.19	cps
Copper	63-2	31914	31466	31066	31482	1.35	cps
Dysprosium	156-1	12989	12779	12853	12874	0.83	cps
Dysprosium	156-2	10317	9880	10080	10093	2.17	cps
Erbium	164-1	10110	10217	10341	10223	1.13	cps
Erbium	164-2	6435	6565	6718	6573	2.16	cps
Gadolinium	160-1	11848	11895	12289	12011	2.01	cps
Gadolinium	160-2	8403	8226	8096	8241	1.87	cps
Holmium	165-1	3918800	3912433	3888909	3906714	0.40	cps
Holmium	165-2	2601820	2592835	2566776	2587144	0.70	cps
Indium	115-1	2892722	2812963	2880030	2861905	1.50	cps
Indium	115-2	886756	896608	883079	888814	0.79	cps
Iron	56-2	22411991	22251749	22169881	22277874	0.55	cps
Iron	57-2	583909	578420	571754	578028	1.05	cps
Iron	54-2	1281935	1275556	1263895	1273795	0.72	cps
Krypton	83-1	80	70	73	74	6.84	cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	P2827-10DLX4	Instrumnet Name :	P7
Client Sample ID :	MYD5Y3	Dilution Factor :	4
Date & Time Acquired :	2024-10-18 14:23:04	DataFile Name :	023SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	35861	36519	37134	36504	1.74	cps
Lead	207-1	31510	31119	31430	31353	0.66	cps
Lead	208-1	141967	143246	144370	143194	0.84	cps
Lithium	6-1	712119	705085	700847	706017	0.81	cps
Magnesium	24-2	687802	678442	678584	681609	0.79	cps
Manganese	55-2	544930	548277	543464	545557	0.45	cps
Molybdenum	94-1	5848	5725	5684	5752	1.48	cps
Molybdenum	95-1	390	333	407	377	10.21	cps
Molybdenum	96-1	1643	1617	1583	1615	1.86	cps
Molybdenum	97-1	233	270	233	246	8.62	cps
Molybdenum	98-1	537	607	563	569	6.21	cps
Neodymium	150-1	22879	23106	23196	23060	0.71	cps
Neodymium	150-2	12602	12779	12779	12720	0.80	cps
Nickel	60-2	6902	6675	6481	6686	3.15	cps
Phosphorus	31-2	2564	2370	2490	2475	3.94	cps
Potassium	39-2	292342	291271	289451	291021	0.50	cps
Rhodium	103-1	2545972	2551639	2519322	2538978	0.68	cps
Rhodium	103-2	1369961	1384724	1354046	1369577	1.12	cps
Scandium	45-1	1506429	1496062	1478912	1493801	0.93	cps
Scandium	45-2	127686	129283	125366	127445	1.55	cps
Selenium	82-1	116	107	118	114	5.45	cps
Selenium	77-2	17	33	17	22	43.28	cps
Selenium	78-2	113	83	80	92	19.91	cps
Silicon	28-1	4271213	4316942	4292024	4293393	0.53	cps
Silver	107-1	233	290	253	259	11.10	cps
Silver	109-1	187	243	253	228	15.78	cps
Sodium	23-2	21388	20594	20794	20925	1.97	cps
Strontium	86-1	33174	33234	33114	33174	0.18	cps
Strontium	88-1	289639	291722	290176	290512	0.37	cps
Sulfur	34-1	100484	97277	94728	97496	2.96	cps
Terbium	159-1	4020081	4016851	4023029	4019987	0.08	cps
Terbium	159-2	2551099	2524586	2487596	2521094	1.27	cps
Thallium	203-1	443	333	327	368	17.82	cps
Thallium	205-1	837	837	880	851	2.94	cps
Tin	118-1	3084	2980	2987	3017	1.92	cps
Titanium	47-1	54096	55294	54862	54751	1.11	cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	P2827-10DLX4	Instrumnet Name :	P7
Client Sample ID :	MYD5Y3	Dilution Factor :	4
Date & Time Acquired :	2024-10-18 14:23:04	DataFile Name :	023SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	3064	3074	2987	3041	1.56	cps
Vanadium	51-2	38148	38475	37811	38145	0.87	cps
Yttrium	89-1	4846731	4835499	4792690	4824974	0.59	cps
Yttrium	89-2	1178504	1186075	1175613	1180064	0.46	cps
Zinc	66-2	11878	11898	11434	11737	2.23	cps
Zirconium	90-1	14861	15041	14814	14905	0.80	cps
Zirconium	91-1	3340	3277	3370	3329	1.43	cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	P2827-11DLX4	Instrumnet Name :	P7
Client Sample ID :	MYD5Y3D	Dilution Factor :	4
Date & Time Acquired :	2024-10-18 14:26:25	DataFile Name :	024SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1062480	1062393	1056985	1060619	0.30	cps
Antimony	121-1	293	290	277	287	3.08	cps
Arsenic	75-2	1433	1443	1437	1438	0.35	cps
Barium	135-1	154501	156344	154275	155040	0.73	cps
Barium	137-1	267924	268857	267573	268118	0.25	cps
Beryllium	9-1	467	530	447	481	9.04	cps
Bismuth	209-1	2354500	2403634	2304604	2354246	2.10	cps
Bismuth	209-2	1825716	1819462	1832734	1825971	0.36	cps
Bromine	81-1	7355	7292	7435	7361	0.98	cps
Bromine	81-2	163	160	147	157	5.63	cps
Cadmium	108-1	20	13	43	26	61.64	cps
Cadmium	106-1	1430	1373	1273	1359	5.84	cps
Cadmium	111-1	1120	1072	951	1048	8.33	cps
Calcium	43-1	48273	48424	48497	48398	0.24	cps
Calcium	44-1	776487	778012	774832	776444	0.20	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	23662	24580	23432	23891	2.54	cps
Cobalt	59-2	18378	18381	18178	18312	0.64	cps
Copper	63-2	31259	31767	31466	31498	0.81	cps
Dysprosium	156-1	13150	13113	12846	13036	1.27	cps
Dysprosium	156-2	10367	10007	10154	10176	1.78	cps
Erbium	164-1	10394	10554	10167	10372	1.87	cps
Erbium	164-2	6865	6592	6985	6814	2.96	cps
Gadolinium	160-1	12302	11999	11952	12084	1.57	cps
Gadolinium	160-2	8519	8456	8453	8476	0.44	cps
Holmium	165-1	3972882	3954238	3895486	3940869	1.02	cps
Holmium	165-2	2597353	2595122	2592015	2594830	0.10	cps
Indium	115-1	2793795	2807894	2771746	2791145	0.65	cps
Indium	115-2	893081	888968	888894	890314	0.27	cps
Iron	56-2	22500881	22496081	22121763	22372909	0.97	cps
Iron	57-2	583103	576768	576167	578679	0.66	cps
Iron	54-2	1283371	1267952	1272446	1274590	0.62	cps
Krypton	83-1	77	77	87	80	7.22	cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	P2827-11DLX4	Instrumnet Name :	P7
Client Sample ID :	MYD5Y3D	Dilution Factor :	4
Date & Time Acquired :	2024-10-18 14:26:25	DataFile Name :	024SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	36796	37425	37315	37179	0.90	cps
Lead	207-1	31530	31580	32034	31715	0.88	cps
Lead	208-1	144696	145797	145605	145366	0.40	cps
Lithium	6-1	697725	696634	690444	694934	0.57	cps
Magnesium	24-2	692069	688615	678534	686406	1.02	cps
Manganese	55-2	541313	541573	541114	541334	0.04	cps
Molybdenum	94-1	5898	5968	5891	5919	0.72	cps
Molybdenum	95-1	353	400	370	374	6.32	cps
Molybdenum	96-1	1753	1757	1803	1771	1.58	cps
Molybdenum	97-1	263	270	330	288	12.76	cps
Molybdenum	98-1	657	663	647	656	1.28	cps
Neodymium	150-1	22855	23112	23253	23073	0.87	cps
Neodymium	150-2	12719	12369	12749	12612	1.68	cps
Nickel	60-2	8026	7112	7419	7519	6.19	cps
Phosphorus	31-2	2327	2430	2377	2378	2.17	cps
Potassium	39-2	294081	294068	289379	292510	0.93	cps
Rhodium	103-1	2501198	2510163	2479530	2496963	0.63	cps
Rhodium	103-2	1374284	1365250	1350217	1363251	0.89	cps
Scandium	45-1	1454645	1464988	1439899	1453177	0.87	cps
Scandium	45-2	126809	127145	127548	127167	0.29	cps
Selenium	82-1	142	132	90	121	22.77	cps
Selenium	77-2	27	33	20	27	24.99	cps
Selenium	78-2	70	123	110	101	27.45	cps
Silicon	28-1	4249522	4281545	4222964	4251344	0.69	cps
Silver	107-1	257	217	227	233	8.92	cps
Silver	109-1	230	193	223	216	9.06	cps
Sodium	23-2	22460	21959	22710	22376	1.71	cps
Strontium	86-1	33485	33645	33538	33556	0.24	cps
Strontium	88-1	293536	294217	292833	293529	0.24	cps
Sulfur	34-1	89926	89074	89215	89405	0.51	cps
Terbium	159-1	3989530	4050443	4017790	4019254	0.76	cps
Terbium	159-2	2540472	2504664	2529149	2524762	0.72	cps
Thallium	203-1	310	340	370	340	8.82	cps
Thallium	205-1	763	857	833	818	5.94	cps
Tin	118-1	2917	2924	2820	2887	2.00	cps
Titanium	47-1	53343	53591	53170	53368	0.40	cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	P2827-11DLX4	Instrumnet Name :	P7
Client Sample ID :	MYD5Y3D	Dilution Factor :	4
Date & Time Acquired :	2024-10-18 14:26:25	DataFile Name :	024SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	2994	3084	3054	3044	1.51	cps
Vanadium	51-2	38984	38476	38422	38627	0.80	cps
Yttrium	89-1	4755750	4688667	4672854	4705757	0.94	cps
Yttrium	89-2	1182052	1171506	1172573	1175377	0.49	cps
Zinc	66-2	11758	11645	11585	11662	0.76	cps
Zirconium	90-1	14544	15161	15161	14956	2.38	cps
Zirconium	91-1	3357	3197	3290	3282	2.45	cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	P2827-10LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYD5Y3L	Dilution Factor :	20
Date & Time Acquired :	2024-10-18 14:29:50	DataFile Name :	025SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	207749	207391	205578	206906	0.56	cps
Antimony	121-1	77	67	67	70	8.25	cps
Arsenic	75-2	333	293	303	310	6.71	cps
Barium	135-1	29875	29965	30860	30233	1.80	cps
Barium	137-1	52005	52630	52808	52481	0.80	cps
Beryllium	9-1	60	77	153	97	51.50	cps
Bismuth	209-1	2438126	2434328	2411278	2427910	0.60	cps
Bismuth	209-2	1905789	1971835	1864958	1914194	2.82	cps
Bromine	81-1	6708	6982	6855	6848	2.00	cps
Bromine	81-2	70	47	97	71	35.18	cps
Cadmium	108-1	7	10	3	7	50.03	cps
Cadmium	106-1	1140	1363	1257	1253	8.91	cps
Cadmium	111-1	820	981	904	902	8.91	cps
Calcium	43-1	9243	9320	9470	9344	1.23	cps
Calcium	44-1	149713	150861	152921	151165	1.08	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4404	4441	4404	4416	0.48	cps
Cobalt	59-2	3780	3654	3460	3632	4.44	cps
Copper	63-2	6875	6645	6685	6735	1.83	cps
Dysprosium	156-1	2537	2480	2520	2512	1.16	cps
Dysprosium	156-2	2087	2084	1950	2040	3.82	cps
Erbium	164-1	1950	1853	2010	1938	4.08	cps
Erbium	164-2	1283	1260	1330	1291	2.76	cps
Gadolinium	160-1	2307	2330	2224	2287	2.45	cps
Gadolinium	160-2	1617	1603	1743	1655	4.67	cps
Holmium	165-1	3882923	3903340	3915826	3900696	0.43	cps
Holmium	165-2	2678542	2681687	2579033	2646421	2.21	cps
Indium	115-1	2817727	2877244	2874962	2856644	1.18	cps
Indium	115-2	914520	924944	905605	915023	1.06	cps
Iron	56-2	4483156	4449850	4381782	4438263	1.16	cps
Iron	57-2	116269	116262	113914	115481	1.18	cps
Iron	54-2	251814	250769	252164	251582	0.29	cps
Krypton	83-1	63	77	67	69	10.08	cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	P2827-10LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYD5Y3L	Dilution Factor :	20
Date & Time Acquired :	2024-10-18 14:29:50	DataFile Name :	025SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	7249	7429	7512	7397	1.82	cps
Lead	207-1	6198	6205	6338	6247	1.26	cps
Lead	208-1	28425	28682	29283	28797	1.53	cps
Lithium	6-1	691634	694448	697158	694413	0.40	cps
Magnesium	24-2	135097	135463	135067	135209	0.16	cps
Manganese	55-2	109390	107070	107074	107845	1.24	cps
Molybdenum	94-1	1023	1270	1230	1175	11.27	cps
Molybdenum	95-1	93	83	120	99	19.17	cps
Molybdenum	96-1	343	380	373	366	5.34	cps
Molybdenum	97-1	83	67	67	72	13.32	cps
Molybdenum	98-1	97	133	183	138	31.58	cps
Neodymium	150-1	4611	4424	4521	4519	2.07	cps
Neodymium	150-2	2484	2487	2410	2460	1.76	cps
Nickel	60-2	1467	1573	1477	1506	3.91	cps
Phosphorus	31-2	573	547	553	558	2.49	cps
Potassium	39-2	83349	81929	81302	82193	1.28	cps
Rhodium	103-1	2487232	2514830	2530428	2510830	0.87	cps
Rhodium	103-2	1412120	1433106	1398844	1414690	1.22	cps
Scandium	45-1	1439045	1456936	1456548	1450843	0.70	cps
Scandium	45-2	128338	128959	127097	128132	0.74	cps
Selenium	82-1	103	69	91	88	19.82	cps
Selenium	77-2	0	3	10	4	114.60	cps
Selenium	78-2	120	93	83	99	19.17	cps
Silicon	28-1	934482	951590	960047	948706	1.37	cps
Silver	107-1	87	73	113	91	22.36	cps
Silver	109-1	40	57	50	49	17.16	cps
Sodium	23-2	12468	12275	12218	12321	1.06	cps
Strontium	86-1	6258	6592	6712	6520	3.60	cps
Strontium	88-1	55842	55591	56923	56119	1.26	cps
Sulfur	34-1	85129	85688	86547	85788	0.83	cps
Terbium	159-1	4037449	3990526	4000290	4009422	0.62	cps
Terbium	159-2	2573031	2603487	2523328	2566616	1.58	cps
Thallium	203-1	97	97	137	110	20.99	cps
Thallium	205-1	210	217	297	241	20.00	cps
Tin	118-1	1243	1253	1317	1271	3.13	cps
Titanium	47-1	9940	10497	10510	10316	3.16	cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	P2827-10LDLX20	Instrumnet Name :	P7
Client Sample ID :	MYD5Y3L	Dilution Factor :	20
Date & Time Acquired :	2024-10-18 14:29:50	DataFile Name :	025SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	610	607	653	623	4.18	cps
Vanadium	51-2	7349	7349	7579	7425	1.79	cps
Yttrium	89-1	4603668	4677256	4669545	4650156	0.87	cps
Yttrium	89-2	1179288	1199072	1163149	1180503	1.52	cps
Zinc	66-2	2447	2434	2467	2449	0.69	cps
Zirconium	90-1	2970	3187	3074	3077	3.52	cps
Zirconium	91-1	680	727	670	692	4.37	cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	P2827-12DLX4	Instrumnet Name :	P7
Client Sample ID :	MYD5Y3S	Dilution Factor :	4
Date & Time Acquired :	2024-10-18 14:33:11	DataFile Name :	026SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1098608	1088508	1090159	1092425	0.50	cps
Antimony	121-1	66101	66596	66020	66239	0.47	cps
Arsenic	75-2	2760	2850	2730	2780	2.25	cps
Barium	135-1	511293	515863	515614	514257	0.50	cps
Barium	137-1	881303	887225	889568	886032	0.48	cps
Beryllium	9-1	6488	6505	6611	6535	1.02	cps
Bismuth	209-1	2424312	2419533	2403857	2415900	0.44	cps
Bismuth	209-2	1844819	1857884	1899027	1867243	1.52	cps
Bromine	81-1	6765	7078	7212	7018	3.27	cps
Bromine	81-2	113	137	133	128	9.88	cps
Cadmium	108-1	637	543	573	584	8.15	cps
Cadmium	106-1	2084	2180	2150	2138	2.31	cps
Cadmium	111-1	9015	9275	9300	9196	1.71	cps
Calcium	43-1	50564	50520	51691	50925	1.30	cps
Calcium	44-1	824360	832023	822370	826251	0.62	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	69097	69847	68940	69295	0.70	cps
Cobalt	59-2	191680	192015	189986	191227	0.57	cps
Copper	63-2	89811	89411	89136	89453	0.38	cps
Dysprosium	156-1	13537	13974	13984	13831	1.85	cps
Dysprosium	156-2	10998	10931	10808	10912	0.88	cps
Erbium	164-1	11191	10834	10981	11002	1.63	cps
Erbium	164-2	7172	7072	7355	7200	2.00	cps
Gadolinium	160-1	13056	13280	13126	13154	0.87	cps
Gadolinium	160-2	9120	8943	8900	8987	1.30	cps
Holmium	165-1	3905818	3970422	3951569	3942603	0.84	cps
Holmium	165-2	2603777	2630160	2611974	2615304	0.52	cps
Indium	115-1	2872196	2848222	2866052	2862157	0.44	cps
Indium	115-2	901758	898144	902501	900801	0.26	cps
Iron	56-2	23848634	23948195	23653890	23816907	0.63	cps
Iron	57-2	610249	611036	610248	610511	0.07	cps
Iron	54-2	1352602	1348155	1337283	1346013	0.59	cps
Krypton	83-1	73	93	107	91	18.42	cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	P2827-12DLX4	Instrumnet Name :	P7
Client Sample ID :	MYD5Y3S	Dilution Factor :	4
Date & Time Acquired :	2024-10-18 14:33:11	DataFile Name :	026SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	50359	51052	51390	50934	1.03	cps
Lead	207-1	43178	43289	42994	43154	0.34	cps
Lead	208-1	197525	197918	198650	198031	0.29	cps
Lithium	6-1	692955	692006	689102	691354	0.29	cps
Magnesium	24-2	712828	714438	714531	713932	0.13	cps
Manganese	55-2	680428	680435	671086	677316	0.80	cps
Molybdenum	94-1	5941	5344	5995	5760	6.27	cps
Molybdenum	95-1	413	490	473	459	8.79	cps
Molybdenum	96-1	1740	1743	1837	1773	3.09	cps
Molybdenum	97-1	320	293	267	293	9.09	cps
Molybdenum	98-1	750	673	783	736	7.67	cps
Neodymium	150-1	24835	25416	25350	25200	1.26	cps
Neodymium	150-2	14000	13687	13653	13780	1.39	cps
Nickel	60-2	50444	50662	50341	50482	0.32	cps
Phosphorus	31-2	2714	2617	2554	2628	3.07	cps
Potassium	39-2	305778	303612	305230	304873	0.37	cps
Rhodium	103-1	2541744	2499127	2519620	2520164	0.85	cps
Rhodium	103-2	1371816	1389118	1391560	1384165	0.78	cps
Scandium	45-1	1455267	1483525	1452459	1463750	1.17	cps
Scandium	45-2	127699	127332	126162	127065	0.63	cps
Selenium	82-1	1082	1120	1043	1082	3.58	cps
Selenium	77-2	137	130	87	118	23.05	cps
Selenium	78-2	393	467	427	429	8.56	cps
Silicon	28-1	4240416	4281225	4205099	4242247	0.90	cps
Silver	107-1	38066	38752	38230	38349	0.93	cps
Silver	109-1	35847	36219	36299	36122	0.67	cps
Sodium	23-2	21375	21775	22443	21864	2.47	cps
Strontium	86-1	35225	34975	35072	35091	0.36	cps
Strontium	88-1	310320	309978	311168	310489	0.20	cps
Sulfur	34-1	86338	84304	84941	85195	1.22	cps
Terbium	159-1	4094381	4051964	4089687	4078677	0.57	cps
Terbium	159-2	2513902	2543720	2546781	2534801	0.72	cps
Thallium	203-1	30952	31206	31533	31230	0.93	cps
Thallium	205-1	74502	74761	74596	74620	0.18	cps
Tin	118-1	3254	3470	3177	3300	4.61	cps
Titanium	47-1	57525	57930	58492	57983	0.84	cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	P2827-12DLX4	Instrumnet Name :	P7
Client Sample ID :	MYD5Y3S	Dilution Factor :	4
Date & Time Acquired :	2024-10-18 14:33:11	DataFile Name :	026SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	3367	3354	3214	3312	2.57	cps
Vanadium	51-2	144299	144157	142068	143508	0.87	cps
Yttrium	89-1	4825164	4805438	4737068	4789223	0.97	cps
Yttrium	89-2	1204041	1197737	1204208	1201995	0.31	cps
Zinc	66-2	32368	32318	32549	32412	0.37	cps
Zirconium	90-1	14647	14557	14924	14710	1.30	cps
Zirconium	91-1	3384	3284	3230	3299	2.36	cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	P2827-10MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYD5Y3SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-18 14:36:40	DataFile Name :	027SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1143768	1141547	1138798	1141371	0.22	cps
Antimony	121-1	314157	316681	315345	315394	0.40	cps
Arsenic	75-2	6795	6732	6948	6825	1.63	cps
Barium	135-1	1964165	1942073	1909449	1938563	1.42	cps
Barium	137-1	3334114	3273201	3360683	3322666	1.35	cps
Beryllium	9-1	29404	29097	28930	29144	0.83	cps
Bismuth	209-1	2314243	2347572	2431195	2364337	2.55	cps
Bismuth	209-2	1872265	1887111	1870393	1876590	0.49	cps
Bromine	81-1	7015	6858	6932	6935	1.13	cps
Bromine	81-2	153	133	163	150	10.18	cps
Cadmium	108-1	2614	2700	2544	2619	3.00	cps
Cadmium	106-1	4707	4684	4694	4695	0.25	cps
Cadmium	111-1	39489	38997	39435	39307	0.69	cps
Calcium	43-1	48651	48273	48792	48572	0.55	cps
Calcium	44-1	780124	787192	785740	784352	0.48	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	240268	241341	241128	240912	0.24	cps
Cobalt	59-2	832244	829564	830633	830814	0.16	cps
Copper	63-2	302623	301748	301996	302122	0.15	cps
Dysprosium	156-1	13063	13580	13193	13279	2.03	cps
Dysprosium	156-2	10227	10371	10437	10345	1.04	cps
Erbium	164-1	10304	10781	10754	10613	2.53	cps
Erbium	164-2	7352	7155	7245	7251	1.36	cps
Gadolinium	160-1	12853	12532	12446	12610	1.70	cps
Gadolinium	160-2	8729	8773	8583	8695	1.15	cps
Holmium	165-1	3841175	3791021	3866243	3832813	1.00	cps
Holmium	165-2	2610411	2630923	2553394	2598242	1.55	cps
Indium	115-1	2795404	2783183	2903659	2827415	2.35	cps
Indium	115-2	896712	900486	891863	896354	0.48	cps
Iron	56-2	23315362	23215062	23356565	23295663	0.31	cps
Iron	57-2	606289	606789	608091	607057	0.15	cps
Iron	54-2	1340032	1339250	1335577	1338287	0.18	cps
Krypton	83-1	93	80	53	76	26.96	cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	P2827-10MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYD5Y3SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-18 14:36:40	DataFile Name :	027SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	86211	88059	88324	87531	1.32	cps
Lead	207-1	74134	75458	75532	75041	1.05	cps
Lead	208-1	340147	349059	346131	345112	1.32	cps
Lithium	6-1	669119	654688	680580	668129	1.94	cps
Magnesium	24-2	678925	677132	677985	678014	0.13	cps
Manganese	55-2	980723	977853	977420	978665	0.18	cps
Molybdenum	94-1	5328	5661	5638	5542	3.36	cps
Molybdenum	95-1	477	460	470	469	1.79	cps
Molybdenum	96-1	1650	1590	1647	1629	2.07	cps
Molybdenum	97-1	270	300	230	267	13.17	cps
Molybdenum	98-1	687	783	707	726	7.03	cps
Neodymium	150-1	24021	23900	23937	23953	0.26	cps
Neodymium	150-2	13093	12763	13370	13075	2.33	cps
Nickel	60-2	212050	209837	210114	210667	0.57	cps
Phosphorus	31-2	2454	2464	2550	2489	2.14	cps
Potassium	39-2	289339	290419	290504	290087	0.22	cps
Rhodium	103-1	2439720	2392331	2479670	2437240	1.79	cps
Rhodium	103-2	1391838	1381922	1384022	1385927	0.38	cps
Scandium	45-1	1413120	1392632	1428238	1411330	1.27	cps
Scandium	45-2	126486	126630	125169	126095	0.64	cps
Selenium	82-1	4912	4992	4993	4966	0.93	cps
Selenium	77-2	487	470	497	484	2.78	cps
Selenium	78-2	1690	1597	1533	1607	4.91	cps
Silicon	28-1	3981988	4049035	4007292	4012772	0.84	cps
Silver	107-1	180612	183646	182745	182334	0.85	cps
Silver	109-1	174172	175144	175117	174811	0.32	cps
Sodium	23-2	21799	21682	23478	22320	4.50	cps
Strontium	86-1	33902	33515	33268	33562	0.95	cps
Strontium	88-1	294568	295012	297879	295820	0.61	cps
Sulfur	34-1	83902	82421	81734	82685	1.34	cps
Terbium	159-1	3931153	3893017	3952427	3925532	0.77	cps
Terbium	159-2	2571510	2581837	2560225	2571191	0.42	cps
Thallium	203-1	146615	149348	148978	148314	1.00	cps
Thallium	205-1	347482	355446	354008	352312	1.20	cps
Tin	118-1	3330	3327	3287	3315	0.73	cps
Titanium	47-1	54464	55712	55876	55351	1.40	cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	P2827-10MSDLX4	Instrumnet Name :	P7
Client Sample ID :	MYD5Y3SRE	Dilution Factor :	4
Date & Time Acquired :	2024-10-18 14:36:40	DataFile Name :	027SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	2920	3150	3154	3075	4.35	cps
Vanadium	51-2	522704	523786	523990	523493	0.13	cps
Yttrium	89-1	4634968	4592159	4731558	4652895	1.53	cps
Yttrium	89-2	1198040	1197903	1190968	1195637	0.34	cps
Zinc	66-2	105600	105959	107930	106496	1.18	cps
Zirconium	90-1	13670	14197	13767	13878	2.02	cps
Zirconium	91-1	3090	3264	3117	3157	2.96	cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	CCV095	Instrumnet Name :	P7
Client Sample ID :	CCV095	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 14:44:37	DataFile Name :	028CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3959202	4021423	3995113	3991912	0.78	cps
Antimony	121-1	1926832	1960964	1990488	1959428	1.63	cps
Arsenic	75-2	82112	83057	83386	82851	0.80	cps
Barium	135-1	2749894	2790982	2815322	2785399	1.19	cps
Barium	137-1	4785009	4774175	4817695	4792293	0.47	cps
Beryllium	9-1	339097	345340	350671	345036	1.68	cps
Bismuth	209-1	2162861	2118907	2196749	2159506	1.81	cps
Bismuth	209-2	1506409	1501887	1522116	1510137	0.70	cps
Bromine	81-1	6268	6285	6175	6242	0.95	cps
Bromine	81-2	17	43	20	27	54.47	cps
Cadmium	108-1	32553	33833	33833	33406	2.21	cps
Cadmium	106-1	49497	49528	49916	49647	0.47	cps
Cadmium	111-1	439097	446651	452363	446037	1.49	cps
Calcium	43-1	2325753	2391294	2423470	2380173	2.09	cps
Calcium	44-1	37146256	37750601	38118235	37671697	1.30	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	665865	664018	668385	666089	0.33	cps
Cobalt	59-2	1043446	1041241	1050028	1044905	0.44	cps
Copper	63-2	7110194	7044593	7092840	7082542	0.48	cps
Dysprosium	156-1	117	123	120	120	2.78	cps
Dysprosium	156-2	113	137	170	140	20.34	cps
Erbium	164-1	93	100	103	99	5.15	cps
Erbium	164-2	77	77	47	67	25.98	cps
Gadolinium	160-1	97	60	87	81	23.37	cps
Gadolinium	160-2	163	187	173	174	6.71	cps
Holmium	165-1	3708135	3755849	3738197	3734060	0.65	cps
Holmium	165-2	2501918	2531700	2566985	2533534	1.29	cps
Indium	115-1	2543264	2542556	2538386	2541402	0.10	cps
Indium	115-2	811606	807876	817602	812361	0.60	cps
Iron	56-2	146483298	146807731	147490161	146927063	0.35	cps
Iron	57-2	3663369	3605683	3614224	3627759	0.86	cps
Iron	54-2	7980877	8065522	8024447	8023615	0.53	cps
Krypton	83-1	77	73	53	68	18.62	cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	CCV095	Instrumnet Name :	P7
Client Sample ID :	CCV095	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 14:44:37	DataFile Name :	028CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	8215247	8279585	8450896	8315242	1.46	cps
Lead	207-1	7170109	7318348	7417096	7301851	1.70	cps
Lead	208-1	32757755	33233826	33748036	33246539	1.49	cps
Lithium	6-1	607561	618126	623113	616267	1.29	cps
Magnesium	24-2	32141449	31783092	32380654	32101731	0.94	cps
Manganese	55-2	5170185	5204218	5251872	5208758	0.79	cps
Molybdenum	94-1	6908839	6929293	6982134	6940089	0.54	cps
Molybdenum	95-1	9954810	10182090	10129118	10088673	1.18	cps
Molybdenum	96-1	11012912	11206212	11180413	11133179	0.94	cps
Molybdenum	97-1	6259701	6405357	6451097	6372052	1.57	cps
Molybdenum	98-1	16257515	16705506	16612325	16525115	1.43	cps
Neodymium	150-1	323	257	297	292	11.48	cps
Neodymium	150-2	87	63	100	83	22.27	cps
Nickel	60-2	253322	252590	254284	253399	0.34	cps
Phosphorus	31-2	38532	39464	38802	38933	1.23	cps
Potassium	39-2	20052357	20031113	20163613	20082361	0.35	cps
Rhodium	103-1	2135263	2138564	2157719	2143849	0.57	cps
Rhodium	103-2	1218401	1213225	1235641	1222422	0.96	cps
Scandium	45-1	1311172	1290442	1320714	1307443	1.18	cps
Scandium	45-2	118267	116943	118381	117864	0.68	cps
Selenium	82-1	24693	24553	24962	24736	0.84	cps
Selenium	77-2	2427	2510	2690	2542	5.29	cps
Selenium	78-2	7919	8366	8039	8108	2.85	cps
Silicon	28-1	1468721	1514286	1535674	1506227	2.27	cps
Silver	107-1	2180546	2193192	2212514	2195417	0.73	cps
Silver	109-1	2048128	2090054	2099550	2079244	1.32	cps
Sodium	23-2	53662969	53800841	54557468	54007093	0.89	cps
Strontium	86-1	14796909	15075105	14967544	14946519	0.94	cps
Strontium	88-1	131047621	131538225	132223655	131603167	0.45	cps
Sulfur	34-1	227305	230824	235301	231143	1.73	cps
Terbium	159-1	3746105	3825307	3805178	3792197	1.09	cps
Terbium	159-2	2486356	2456267	2456463	2466362	0.70	cps
Thallium	203-1	1987126	2041784	2079265	2036058	2.28	cps
Thallium	205-1	4796495	4944563	5006757	4915938	2.20	cps
Tin	118-1	1695118	1715401	1738268	1716263	1.26	cps
Titanium	47-1	2244466	2312855	2347538	2301620	2.28	cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	CCV095	Instrumnet Name :	P7
Client Sample ID :	CCV095	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 14:44:37	DataFile Name :	028CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	6799560	6924991	6961380	6895310	1.23	cps
Vanadium	51-2	607091	613031	615330	611817	0.69	cps
Yttrium	89-1	4235129	4228543	4276569	4246747	0.61	cps
Yttrium	89-2	1085997	1085365	1094876	1088746	0.49	cps
Zinc	66-2	1186217	1198684	1199876	1194926	0.63	cps
Zirconium	90-1	3122949	3128011	3175597	3142186	0.92	cps
Zirconium	91-1	685264	693965	702511	693913	1.24	cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	CCB095	Instrumnet Name :	P7
Client Sample ID :	CCB095	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 14:50:48	DataFile Name :	030CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	130	160	150	147	10.41	cps
Antimony	121-1	437	450	517	468	9.16	cps
Arsenic	75-2	10	3	0	4	114.60	cps
Barium	135-1	60	53	43	52	16.07	cps
Barium	137-1	103	33	77	71	49.68	cps
Beryllium	9-1	123	180	133	146	20.78	cps
Bismuth	209-1	2518731	2569695	2524898	2537775	1.10	cps
Bismuth	209-2	1973330	1960886	1996397	1976871	0.91	cps
Bromine	81-1	6708	6652	6568	6643	1.06	cps
Bromine	81-2	37	57	20	38	48.60	cps
Cadmium	108-1	0	7	0	2	173.21	cps
Cadmium	106-1	1387	1460	1267	1371	7.12	cps
Cadmium	111-1	994	1027	917	979	5.80	cps
Calcium	43-1	170	120	133	141	18.35	cps
Calcium	44-1	3030	3217	3124	3124	2.99	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	303	207	230	247	20.45	cps
Cobalt	59-2	37	77	53	56	36.17	cps
Copper	63-2	817	763	777	786	3.53	cps
Dysprosium	156-1	7	0	3	3	100.05	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	40	13	27	27	50.01	cps
Erbium	164-2	13	13	20	16	24.76	cps
Gadolinium	160-1	13	0	7	7	99.98	cps
Gadolinium	160-2	127	80	127	111	24.25	cps
Holmium	165-1	4044559	4091739	4042404	4059567	0.69	cps
Holmium	165-2	2722597	2698520	2718822	2713313	0.48	cps
Indium	115-1	2926944	2969243	2954049	2950078	0.73	cps
Indium	115-2	924153	916679	920368	920400	0.41	cps
Iron	56-2	8432	8479	8389	8434	0.53	cps
Iron	57-2	587	660	617	621	5.94	cps
Iron	54-2	1043	960	910	971	6.94	cps
Krypton	83-1	43	83	63	63	31.58	cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	CCB095	Instrumnet Name :	P7
Client Sample ID :	CCB095	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 14:50:48	DataFile Name :	030CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	507	430	447	461	8.74	cps
Lead	207-1	393	370	490	418	15.23	cps
Lead	208-1	1933	1840	1993	1922	4.02	cps
Lithium	6-1	721883	722649	715133	719888	0.57	cps
Magnesium	24-2	1870	1817	1683	1790	5.37	cps
Manganese	55-2	160	163	193	172	10.66	cps
Molybdenum	94-1	407	327	290	341	17.49	cps
Molybdenum	95-1	273	233	307	271	13.54	cps
Molybdenum	96-1	267	267	300	278	6.93	cps
Molybdenum	97-1	167	177	153	166	7.07	cps
Molybdenum	98-1	333	370	340	348	5.62	cps
Neodymium	150-1	3	10	3	6	69.34	cps
Neodymium	150-2	7	3	0	3	100.05	cps
Nickel	60-2	87	53	57	66	28.01	cps
Phosphorus	31-2	120	133	117	123	7.15	cps
Potassium	39-2	31269	32077	30758	31368	2.12	cps
Rhodium	103-1	2573957	2600029	2567026	2580337	0.67	cps
Rhodium	103-2	1438758	1424841	1432224	1431941	0.49	cps
Scandium	45-1	1462007	1504972	1456010	1474329	1.81	cps
Scandium	45-2	128284	128126	129064	128491	0.39	cps
Selenium	82-1	110	76	101	96	18.36	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	97	83	93	91	7.62	cps
Silicon	28-1	166577	169246	168326	168050	0.81	cps
Silver	107-1	87	143	70	100	38.44	cps
Silver	109-1	113	103	100	106	6.58	cps
Sodium	23-2	13686	13583	13132	13467	2.19	cps
Strontium	86-1	290	293	340	308	9.08	cps
Strontium	88-1	1737	1623	1530	1630	6.35	cps
Sulfur	34-1	108750	108596	107709	108352	0.52	cps
Terbium	159-1	4201372	4087922	4134864	4141386	1.38	cps
Terbium	159-2	2609233	2607205	2651725	2622721	0.96	cps
Thallium	203-1	203	167	210	193	12.07	cps
Thallium	205-1	463	417	460	447	5.83	cps
Tin	118-1	837	810	800	816	2.32	cps
Titanium	47-1	67	90	53	70	26.51	cps

Reviewed By:Mohan
On:10/19/2024 2:12:32 AM
Inst Id :P7

LB Number :	LB133015	Operator :	Jaswal
Lab Sample ID :	CCB095	Instrumnet Name :	P7
Client Sample ID :	CCB095	Dilution Factor :	1
Date & Time Acquired :	2024-10-18 14:50:48	DataFile Name :	030CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	73	87	83	81	8.56	cps
Vanadium	51-2	13	13	10	12	15.73	cps
Yttrium	89-1	4694389	4722526	4721336	4712751	0.34	cps
Yttrium	89-2	1184986	1174633	1184060	1181226	0.48	cps
Zinc	66-2	110	103	107	107	3.12	cps
Zirconium	90-1	630	547	533	570	9.19	cps
Zirconium	91-1	107	110	113	110	3.03	cps

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Prep Standard - Chemical Standard Summary

Order ID : P2827

Test : Metals CLP MS FULL

Prepbatch ID : PB163817,

Sequence ID/Qc Batch ID: LB132882,LB133015,

Standard ID :
MP81119,MP82127,MP82568,MP82569,MP82570,MP82571,MP82572,MP82573,MP82574,MP82575,MP82576,MP82577,MP82578,MP82579,MP82580,MP82581,MP82583,MP82585,MP82586,MP82587,

Chemical ID :
M5192,M5288,M5289,M5295,M5304,M5390,M5473,M5476,M5498,M5513,M5515,M5519,M5565,M5634,M5657,M5658,M5697,M5698,M5739,M5768,M5769,M5798,M5799,M5800,M5801,M5802,M5806,M5815,M5816,M5817,M5818,M5819,M5820,M5873,M5874,M5935,M5961,M5962,M5976,M5978,M5981,M5982,M5983,M6021,M6023,M6025,M6028,M6030,M6033,M6037,M6040,M6055,W2606,W3112,

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
169	1:1HNO3	MP81119	06/21/2024	10/24/2024	Al-Terek Isaac	METALS_SCALE_2 (M SC-2)	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 06/21/2024

FROM 1250.00000ml of M5935 + 1250.00000ml of W2606 = Final Quantity: 2500.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
170	1:1HCL	MP82127	09/03/2024	02/08/2025	Janvi Patel	None	None	Sarabjit Jaswal 09/03/2024

FROM 1250.00000ml of M6040 + 1250.00000ml of W3112 = Final Quantity: 2500.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1122	ICPMS CALIB BLANK(S0/ICB/CCB)	MP82568	09/28/2024	10/22/2024	Sarabjit Jaswal	None	None	Mohan Bera 09/30/2024

FROM 25.00000ml of M6040 + 4925.00000ml of W3112 + 50.00000ml of M6037 = Final Quantity: 5000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2902	S8 ICPMS	MP82569	09/28/2024	10/22/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 09/30/2024

FROM 1.00000ml of M6033 + 2.50000ml of M5288 + 2.50000ml of M5515 + 5.00000ml of M5498 + 5.00000ml of M5768 + 5.00000ml of M5806 + 79.00000ml of MP82568 = Final Quantity: 100.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3947	S7(SFAM,6020,200.8)	MP82570	09/28/2024	10/22/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 09/30/2024

FROM 1.00000ml of M5818 + 1.00000ml of M5981 + 1.00000ml of M5983 + 1.90000ml of M6033 + 10.00000ml of M5976 + 10.00000ml of M5978 + 10.00000ml of M6037 + 2.00000ml of M5815 + 2.00000ml of M5817 + 2.50000ml of M5476 + 4.00000ml of M5390 + 4.00000ml of M6025 + 4.90000ml of M5515 + 4.90000ml of M5519 + 5.00000ml of M6040 + 50.00000ml of M5304 + 829.10000ml of W3112 + 9.00000ml of M5697 + 9.00000ml of M5698 + 9.00000ml of M5819 + 9.90000ml of M5498 + 9.90000ml of M5768 + 9.90000ml of M5806 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3948	S6(SFAM,6020,200.8)	MP82571	09/28/2024	10/22/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 09/30/2024

FROM 0.50000ml of M6040 + 1.00000ml of M6037 + 48.50000ml of W3112 + 50.00000ml of MP82570 = Final Quantity: 100.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3949	S5(SFAM,6020,200.8)	MP82572	09/28/2024	10/22/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 09/30/2024

FROM 0.50000ml of M6040 + 1.00000ml of M6037 + 73.50000ml of W3112 + 25.00000ml of MP82570 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3954	S4(SFAM,6020,200.8)	MP82573	09/28/2024	10/22/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 09/30/2024

FROM 0.50000ml of M6040 + 1.00000ml of M6037 + 86.00000ml of W3112 + 12.50000ml of MP82570 = Final Quantity: 100.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3951	S3(SFAM, 6020,200.8)	MP82574	09/28/2024	10/22/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 09/30/2024

FROM 0.50000ml of M6040 + 1.00000ml of M6037 + 88.50000ml of W3112 + 10.00000ml of MP82571 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3955	S2CONC(SFAM,6020,200.8)	MP82575	09/28/2024	10/22/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 09/30/2024

FROM 0.05000ml of M5698 + 0.05000ml of M5798 + 0.05000ml of M5800 + 0.05000ml of M5801 + 0.05000ml of M5961 + 0.05000ml of M5981 + 0.05000ml of M5982 + 0.05000ml of M5983 + 0.05000ml of M6023 + 0.05000ml of M6025 + 0.05000ml of M6028 + 0.05000ml of M6030 + 0.10000ml of M5658 + 0.10000ml of M5697 + 0.10000ml of M5802 + 0.10000ml of M6033 + 0.25000ml of M5515 + 0.25000ml of M5799 + 0.25000ml of M5819 + 0.25000ml of M5962 + 0.25000ml of M5976 + 0.25000ml of M5978 + 0.25000ml of M6021 + 0.50000ml of M5390 + 0.50000ml of M5818 + 1.25000ml of M5815 + 1.25000ml of M5817 + 2.50000ml of M5498 + 2.50000ml of M5519 + 2.50000ml of M5769 + 2.50000ml of M5806 + 2.50000ml of M6040 + 226.25000ml of W3112 + 5.00000ml of M6037 = Final Quantity: 250.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3956	S2(SFAM,6020,200.8)	MP82576	09/28/2024	10/22/2024	Sarabjit Jaswal	None	METALS_PIPETTE_2 (ICP B)	Mohan Bera 09/30/2024

FROM 0.50000ml of M6040 + 1.00000ml of M6037 + 98.00000ml of W3112 + 0.50000ml of MP82575 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3957	S1(SFAM,6020,200.8)	MP82577	09/28/2024	10/22/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 09/30/2024

FROM 0.50000ml of M6040 + 1.00000ml of M6037 + 88.50000ml of W3112 + 10.00000ml of MP82576 = Final Quantity: 100.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3958	ICV(SFAM)	MP82578	09/28/2024	10/22/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 09/30/2024

FROM 2.00000ml of M5295 + 98.00000ml of MP82568 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3961	CCV	MP82579	09/28/2024	10/22/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 09/30/2024

FROM 0.20000ml of M5513 + 0.50000ml of M5799 + 0.50000ml of M5818 + 0.50000ml of M5981 + 0.50000ml of M5983 + 1.00000ml of M5815 + 1.00000ml of M5817 + 1.25000ml of M5473 + 10.00000ml of M6037 + 12.45000ml of M5515 + 12.45000ml of M5519 + 2.00000ml of M5390 + 24.95000ml of M5498 + 24.95000ml of M5769 + 24.95000ml of M5806 + 25.00000ml of M5304 + 4.50000ml of M5697 + 4.50000ml of M5698 + 4.50000ml of M5819 + 4.95000ml of M6033 + 5.00000ml of M5976 + 5.00000ml of M5978 + 5.00000ml of M6040 + 824.35000ml of W3112 = Final Quantity: 1000.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1142	ICSA ICPMS	MP82580	09/28/2024	10/22/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 09/30/2024

FROM 10.00000ml of M5873 + 90.00000ml of MP82568 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1143	ICSAB ICPMS	MP82581	09/28/2024	10/22/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 09/30/2024

FROM 10.00000ml of M5873 + 10.00000ml of M5874 + 80.00000ml of MP82568 = Final Quantity: 100.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3964	CONC.LCSS SPIKE	MP82583	09/28/2024	10/22/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 09/30/2024

FROM 0.25000ml of M5698 + 0.25000ml of M5798 + 0.25000ml of M5800 + 0.25000ml of M5801 + 0.25000ml of M5961 + 0.25000ml of M5981 + 0.25000ml of M5982 + 0.25000ml of M5983 + 0.25000ml of M6023 + 0.25000ml of M6025 + 0.25000ml of M6028 + 0.25000ml of M6030 + 0.50000ml of M5289 + 0.50000ml of M5658 + 0.50000ml of M5697 + 0.50000ml of M5802 + 1.25000ml of M5192 + 1.25000ml of M5799 + 1.25000ml of M5819 + 1.25000ml of M5962 + 1.25000ml of M6021 + 12.50000ml of M5498 + 12.50000ml of M5519 + 12.50000ml of M5769 + 12.50000ml of M5806 + 158.75000ml of W3112 + 2.50000ml of M5390 + 2.50000ml of M5818 + 2.50000ml of M6040 + 5.00000ml of M5515 + 5.00000ml of M6037 + 6.25000ml of M5816 + 6.25000ml of M5820 = Final Quantity: 250.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3962	MG 10PPM FOR TUNE	MP82585	09/28/2024	10/22/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 09/30/2024

FROM 0.01000ml of M5768 + 9.99000ml of MP82568 = Final Quantity: 100.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3894	TUNE 200PPB	MP82586	09/28/2024	10/22/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 09/30/2024

FROM 2.00000ml of M6055 + 2.00000ml of MP82585 + 96.00000ml of MP82568 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3903	ISS 3PPM	MP82587	09/28/2024	10/22/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 09/30/2024

FROM 5.00000ml of M6037 + 75.00000ml of M5739 + 170.00000ml of MP82568 = Final Quantity: 250.000 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57042 / Mo, 1000 PPM, 125 ml	051722	05/17/2025	07/01/2022 / bin	06/17/2022 / jaswal	M5192

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58119 / K, 10000 PPM, 500 ml	071122	07/11/2025	09/01/2022 / jaswal	07/21/2022 / jaswal	M5288

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58113 / Aluminum (Al) 10,000PPM	070622	07/06/2025	09/02/2022 / jaswal	07/12/2022 / jaswal	M5289

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
EPA	ICV-1 / ICV (ICP/ICPMS) STOCK SOLN	ICV-1014	02/05/2025	08/07/2024 / jaswal	02/20/2020 / bin	M5295

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	6020CAL-1 / Calibration Standard Method 6020	S2-MEB711244	10/20/2026	08/07/2024 / jaswal	04/01/2022 / jaswal	M5304

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57056 / Ba, 1000 PPM, 125 ml	072122	07/21/2025	08/07/2024 / jaswal	09/18/2022 / bin	M5390

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57138 / Sr, 10000 PPM, 125 ml	082922	08/29/2025	03/16/2023 / jaswal	03/16/2023 / jaswal	M5473

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57138 / Sr, 10000 PPM, 125 ml	082922	08/09/2025	07/29/2024 / jaswal	03/16/2023 / jaswal	M5476

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58120 / Ca, 10000 PPM, 500 ml	031523	03/15/2026	08/15/2023 / jaswal	03/17/2023 / bin	M5498

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57182 / Pb, 10000 PPM, 125 ml	061522	06/15/2025	03/19/2023 / bin	03/17/2023 / bin	M5513

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58126 / Fe, 10000 PPM, 500 ml	092122	09/21/2025	08/01/2024 / Jaswal	03/17/2023 / bin	M5515

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57119 / Potassium (K) 10,000PPM	120822	12/08/2025	01/08/2024 / bin	03/17/2023 / bin	M5519

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CLPP-SPK-1 / SOIL/WATER SPIKE SOLN 1, 125mL	T2-MEB721963	07/27/2027	05/30/2023 / jaswal	05/26/2023 / jaswal	M5565

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	1403 / Hydrogen Peroxide, 30% 1 gal	820803	02/03/2025	04/18/2024 / jaswal	08/03/2022 / Al-Terek	M5634

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CLPP-SPK-4 / SOIL/WATER SPIKE SOLN 4, 125mL	T2-MEB721144	07/07/2027	08/23/2023 / jaswal	08/29/2023 / jaswal	M5657

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58024 / Chromium, Cr, 500 ml, 1000 PPM	060523	06/05/2026	08/28/2023 / jaswal	08/25/2023 / jaswal	M5658

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58029 / Cu, 1000 PPM, 500 ml	102523	10/25/2026	04/03/2024 / jaswal	10/27/2023 / jaswal	M5697

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58025 / Mn, 1000 PPM, 500 ml	102623	10/26/2026	04/18/2024 / jaswal	10/27/2023 / jaswal	M5698

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	6020ISS / 6020ISS, 10 ug/ml, Bi, Ho, In, 6Li, Rh, Sc, TB, Y	T2-MEB709511	09/03/2026	08/07/2024 / jaswal	04/11/2022 / jaswal	M5739

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58112 / Mg, 10000 PPM, 500 ml	091823	09/18/2026	01/08/2024 / bin	01/03/2024 / bin	M5768

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58112 / Mg, 10000 PPM, 500 ml	091823	09/18/2026	05/24/2024 / Jaswal	01/03/2024 / bin	M5769

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57004 / Be, 1000 PPM, 125 ml	102523	10/25/2026	02/09/2024 / bin	02/09/2024 / bin	M5798

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57050 / Sn, 1000 PPM, 125 ml	071123	07/11/2026	02/09/2024 / bin	02/09/2024 / bin	M5799

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57027 / CO, 1000 PPM, 125 ml	091923	09/19/2026	05/31/2024 / bin	02/09/2024 / bin	M5800

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57033 / As, 1000 PPM, 125 ml	111323	11/13/2026	02/09/2024 / bin	02/09/2024 / bin	M5801

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57051 / Sb, 1000 PPM, 125 ml	120523	12/05/2026	08/07/2024 / jaswal	01/03/2024 / jaswal	M5802

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58111 / Na, 10000 PPM, 500 ml	122223	12/22/2026	08/01/2024 / Jaswal	01/03/2024 / jaswal	M5806

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57115 / P, 10000 PPM, 125 ml	041723	04/17/2026	05/21/2024 / Jaswal	02/09/2024 / jaswal	M5815

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57016 / S, 1000 PPM, 125 ml	122923	12/29/2026	05/20/2024 / Jaswal	02/09/2024 / jaswal	M5816

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57116 / S, 10000 PPM, 125 ml	071123	07/11/2026	03/01/2024 / jaswal	02/09/2024 / jaswal	M5817

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57014 / Si, 1000 PPM, 125 ml	122023	12/20/2026	03/06/2024 / jaswal	02/09/2024 / jaswal	M5818

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58030 / Zinc, Zn, 500 ml, 1000 PPM	111623	11/16/2026	03/20/2024 / jaswal	02/09/2024 / jaswal	M5819

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57015 / P, 1000 PPM, 125 ml	091123	09/11/2026	05/01/2024 / jaswal	02/09/2024 / jaswal	M5820

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
EPA	PART A / ICSA (ICPMS) STOCK SOLN	CP-MS ICSA-0803	04/30/2025	04/17/2024 / jaswal	07/14/2022 / jaswal	M5873

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
EPA	PART B / ICSB (ICPMS) STOCK SOLUTION	CP-MS ICSB-0803	04/30/2025	04/17/2024 / jaswal	07/14/2022 / jaswal	M5874

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9598-34 / Nitric Acid, Instra-Analyzed (cs/4x2.5L)	24D1062002	12/08/2024	06/21/2024 / Al-Terek	06/07/2024 / Al-Terek	M5935

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57028 / Ni, 1000 PPM, 125 ml	041124	04/11/2027	07/02/2024 / Jaswal	06/11/2024 / Jaswal	M5961

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57034 / Se, 1000 PPM, 125 ml	060624	06/06/2027	07/02/2024 / Jaswal	06/14/2024 / Jaswal	M5962

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGMO1-1 / MOLYBDENUM 125mL 1000ug/mL	T2-MO720876	07/17/2027	08/07/2024 / jaswal	02/22/2024 / Jaswal	M5976

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGTI1-1 / TITANIUM 125mL 1000ug/mL	T2-TI719972	06/17/2027	08/07/2024 / jaswal	02/22/2024 / Jaswal	M5978

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57092 / U, 1000 PPM, 125 ml	060724	06/07/2027	07/29/2024 / Jaswal	06/11/2024 / Jaswal	M5981

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57038 / Sr, 1000 PPM, 125 ml	031524	03/15/2027	07/01/2024 / Jaswal	06/11/2024 / Jaswal	M5982

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57040 / Zr, 1000 PPM, 125 ml	071423	07/14/2026	07/29/2024 / Jaswal	06/11/2024 / Jaswal	M5983

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57023 / V, 1000 PPM, 125 ml	062424	06/24/2027	09/28/2024 / jaswal	08/05/2024 / Jaswal	M6021

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57081 / Tl, 1000 PPM, 125 ml	0624724	06/27/2027	08/05/2024 / kareem	08/05/2024 / Jaswal	M6023

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57082 / Pb, 1000 PPM, 125 ml	061224	06/12/2027	08/05/2024 / Jaswal	08/05/2024 / Jaswal	M6025

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57048 / Cd, 1000 PPM, 125 ml	070124	07/01/2027	08/05/2024 / kareem	01/25/2019 / Jaswal	M6028

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57047 / Ag, 1000 PPM, 125 ml	122823	12/28/2026	08/05/2024 / kareem	08/05/2024 / Jaswal	M6030

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58113 / Al, 10000 PPM, 500 ml	011623	01/16/2026	08/07/2024 / Jaswal	01/03/2024 / Jaswal	M6033

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9598-34 / Nitric Acid, Instra-Analyzed (cs/4x2.5L)	24D1062002	02/02/2025	08/24/2024 / Janvi	08/01/2024 / Janvi	M6037

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9530-33 / Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)	24D1562005	02/08/2025	08/09/2024 / 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

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M6028

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

R 8/5/24

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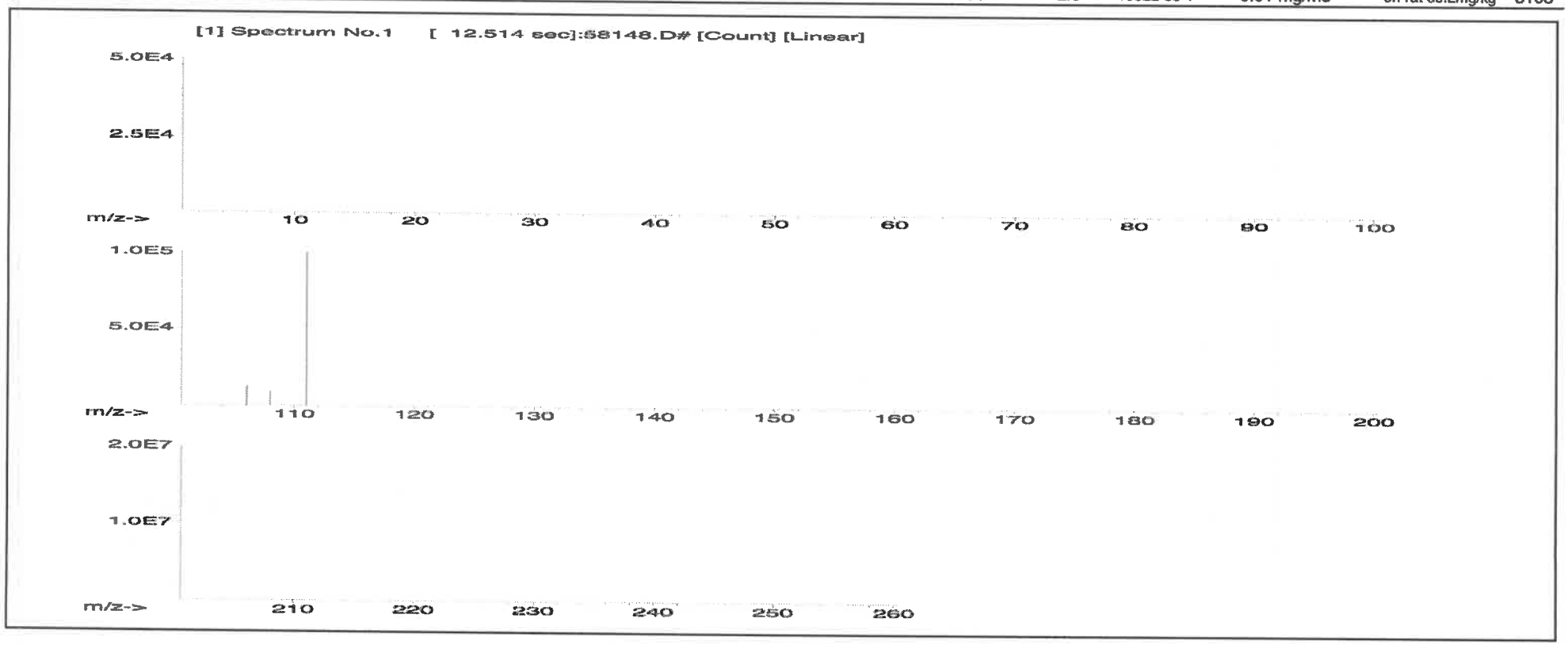
CERTIFIED WEIGHT REPORT:

Part Number:	**57048**		**Lot #**		
Lot Number:	**070124**	**Solvent:**	24002546	Nitric Acid	
Description:	**Cadmium (Cd)**	2%	40.0 (mL)	Nitric Acid	
Expiration Date:	070127				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.07	0.100	Flask Uncertainty		

Aleah O'Brady

Formulated By:	Aleah O'Brady	070124
Reviewed By:	Pedro L. Rentas	070124

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Cadmium nitrate tetrahydrate (Cd)	IN024	CDM092021A1	1000	99.999	0.10	36.5	5.4797	5.4804	**1000.1**	**2.0**	10022-68-1	0.01 mg/m3	orl-rat 60.2mg/kg	3108



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	T	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

R: 8/5/24

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CERTIFIED WEIGHT REPORT:

Part Number: 57182
Lot Number: 110923
Description: Lead (Pb)

Expiration Date: 110926
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB

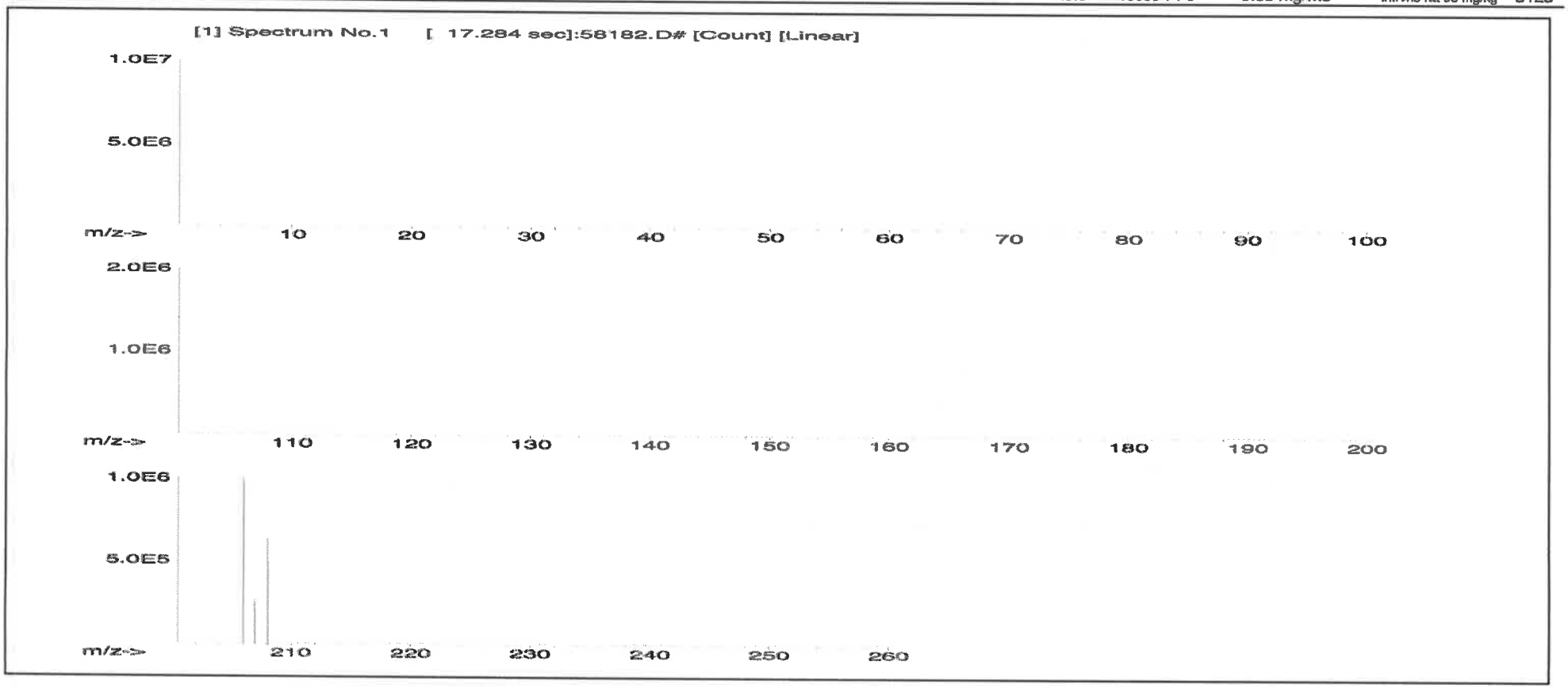
Weight shown below was diluted to (mL): 2000.02 0.058 Flask Uncertainty

		Lot #	
Solvent:	24002546		Nitric Acid
	2%	40.0 (mL)	Nitric Acid

5E-05 Balance Uncertainty

Formulated By:	Lawence Barry	110923
Reviewed By:	Pedro L. Rentas	110923

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Lead(II) nitrate (Pb)	IN029	PBD122016A1	10000	99.999	0.10	62.5	32.0006	32.0040	**10001.1**	**20.0**	10099-74-8	0.05 mg/m3	intrvns-rat 93 mg/kg	3128



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	T	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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Certified Reference Material CRM

M5192 R: 06/17/22

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563

CERTIFIED WEIGHT REPORT:

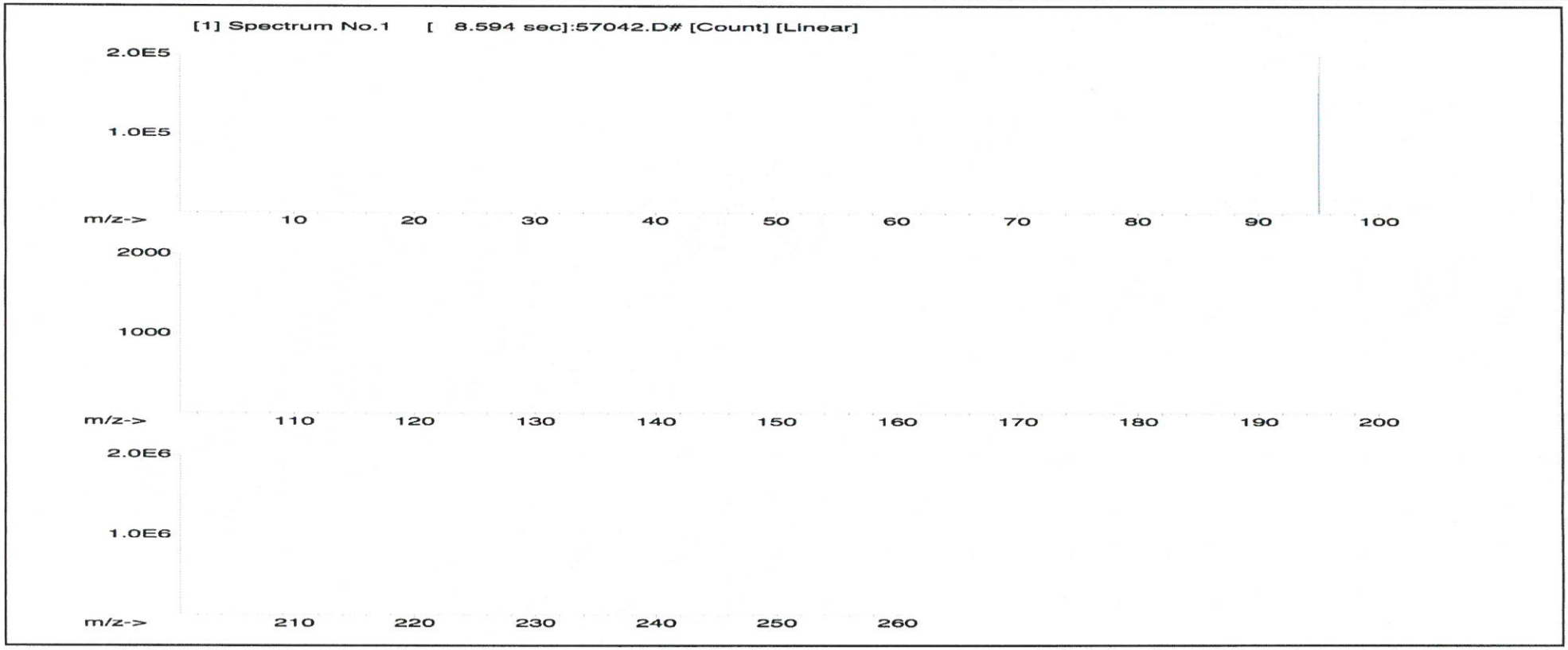
Part Number: 57042
Lot Number: 051722
Description: Molybdenum (Mo)
Expiration Date: 051725
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB
Volume shown below was diluted to (mL): 3000.41

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



564

Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	T	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:



* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
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* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

V15200 R: 04/24/22 (BP)

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Certified Reference Material CRM

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AR-1539 Certificate Number
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CERTIFIED WEIGHT REPORT:

Part Number: 58119
Lot Number: 071122
Description: Potassium (K)

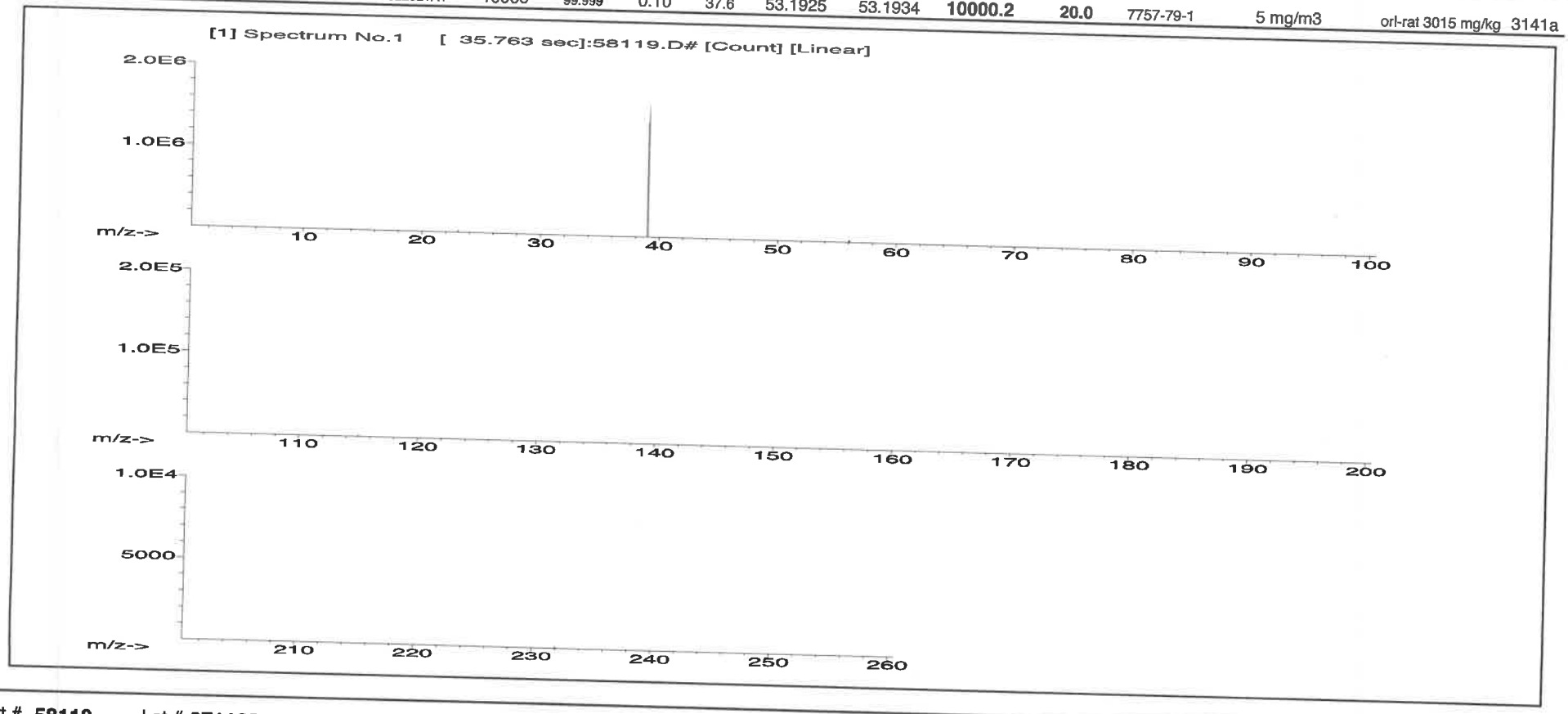
Expiration Date: 071125
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 2000.02

	Lot #		
Solvent:	20510011	Nitric Acid	
2%	40.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

Formulated By: Lawrence Barry 071122
Reviewed By: Pedro L. Rentas 071122

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Potassium nitrate (K)	IN034	KD022021A1	10000	99.999	0.10	37.6	53.1925	53.1934	**10000.2**	**20.0**	7757-79-1	5 mg/m3	orl-rat 3015 mg/kg	3141a



595

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	T	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
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M5289 R: 07/12/22 BH

Certified Reference Material CRM

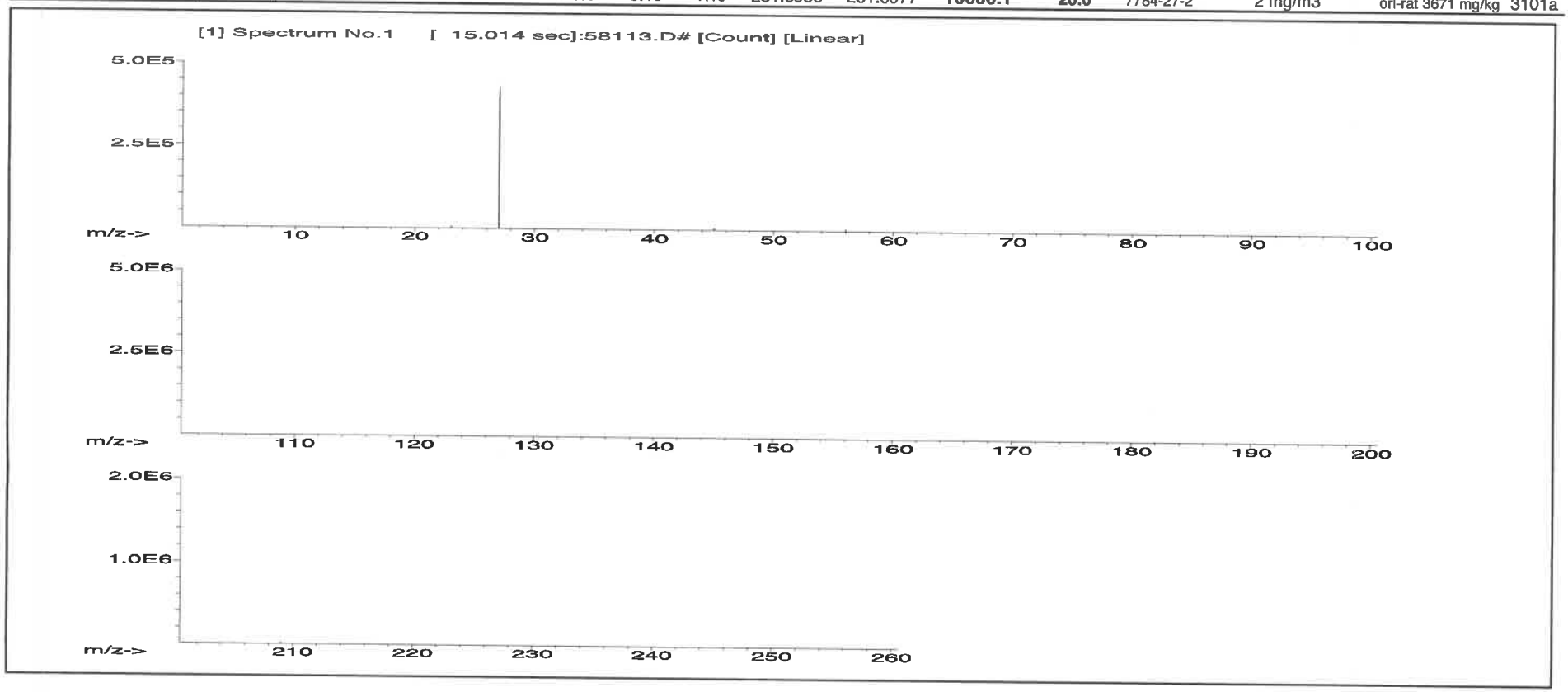
ANAB ISO 17034 Accredited
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CERTIFIED WEIGHT REPORT:

Part Number:	**58113**		**Lot #**		
Lot Number:	**070622**	**Solvent:**	20370011	Nitric Acid	
Description:	**Aluminum (Al)**				
		2%	40.0 (mL)	Nitric Acid	
Expiration Date:	070625				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**10000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty		

Formulated By:	Lawrence Barry	070622
Reviewed By:	Pedro L. Rentas	070622

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Aluminum nitrate nonahydrate (Al)	IN022	ALD012021A1	10000	99.999	0.10	7.10	281.6956	281.6977	**10000.1**	**20.0**	7784-27-2	2 mg/m3	orl-rat 3671 mg/kg	3101a



Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	T	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

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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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Certificate of Analysis

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	6020CAL-1
Lot Number:	S2-MEB711244
Matrix:	5% (v/v) HNO3 tr. HF
Value / Analyte(s):	20 µg/mL ea:

Silver, Aluminum,
Arsenic, Barium,
Beryllium, Calcium,
Cadmium, Cobalt,
Chromium, Copper,
Iron, Potassium,
Magnesium, Manganese,
Sodium, Nickel,
Lead, Antimony,
Selenium, Thallium,
Vanadium, Zinc

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Aluminum, Al	**20.01 ± 0.08 µg/mL**	**Antimony, Sb**	**20.01 ± 0.12 µg/mL**
Arsenic, As	**20.01 ± 0.18 µg/mL**	**Barium, Ba**	**20.01 ± 0.11 µg/mL**
Beryllium, Be	**20.01 ± 0.14 µg/mL**	**Cadmium, Cd**	**20.01 ± 0.11 µg/mL**
Calcium, Ca	**20.01 ± 0.10 µg/mL**	**Chromium, Cr**	**20.01 ± 0.16 µg/mL**
Cobalt, Co	**20.01 ± 0.11 µg/mL**	**Copper, Cu**	**20.01 ± 0.10 µg/mL**
Iron, Fe	**20.01 ± 0.09 µg/mL**	**Lead, Pb**	**20.01 ± 0.11 µg/mL**
Magnesium, Mg	**19.99 ± 0.10 µg/mL**	**Manganese, Mn**	**20.01 ± 0.10 µg/mL**
Nickel, Ni	**20.01 ± 0.11 µg/mL**	**Potassium, K**	**20.01 ± 0.10 µg/mL**
Selenium, Se	**20.02 ± 0.14 µg/mL**	**Silver, Ag**	**20.02 ± 0.09 µg/mL**
Sodium, Na	**20.01 ± 0.10 µg/mL**	**Thallium, Tl**	**20.01 ± 0.13 µg/mL**
Vanadium, V	**20.01 ± 0.11 µg/mL**	**Zinc, Zn**	**20.01 ± 0.11 µg/mL**

Density: 1.026 g/mL (measured at 20 ± 4 ºC)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	160729
Ag	Volhard	999c	999c
Al	ICP Assay	3101a	140903
Al	EDTA	928	928
As	ICP Assay	3103a	100818
Ba	ICP Assay	3104a	140909
Ba	Gravimetric		See Sec. 4.2
Be	ICP Assay	3105a	090514
Ca	ICP Assay	3109a	130213
Ca	EDTA	928	928
Cd	ICP Assay	3108	130116
Cd	EDTA	928	928
Co	ICP Assay	3113	190630
Co	EDTA	928	928
Cr	ICP Assay	3112a	170630
Cu	ICP Assay	3114	121207
Cu	EDTA	928	928
Fe	ICP Assay	3126a	140812
Fe	EDTA	928	928
Fe	Calculated		See Sec. 4.2
K	ICP Assay	3141a	140813
K	Gravimetric		See Sec. 4.2
Mg	ICP Assay	3131a	140110
Mg	EDTA	928	928
Mn	ICP Assay	3132	050429
Mn	EDTA	928	928
Na	ICP Assay	3152a	120715
Na	Gravimetric		See Sec. 4.2
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
Pb	ICP Assay	3128	101026
Pb	EDTA	928	928
Se	ICP Assay	3149	100901
Se	Calculated		See Sec. 4.2
Tl	ICP Assay	3158	151215
Tl	Calculated		See Sec. 4.2
V	ICP Assay	3165	160906
V	EDTA	928	928
Zn	ICP Assay	3168a	120629
Zn	EDTA	928	928

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

HF Note: This standard should not be prepared or stored in glass.

Low Silver Note: This solution contains “LOW” levels of Silver. Please store this entire bottle inside a sealed glass jar.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

October 20, 2021

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **October 20, 2026**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Michael Booth
Director, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



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R: 09/08/22 (BH)

Certified Reference Material CRM

M5387 - M5389. M5390 CM5391. M5392

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575

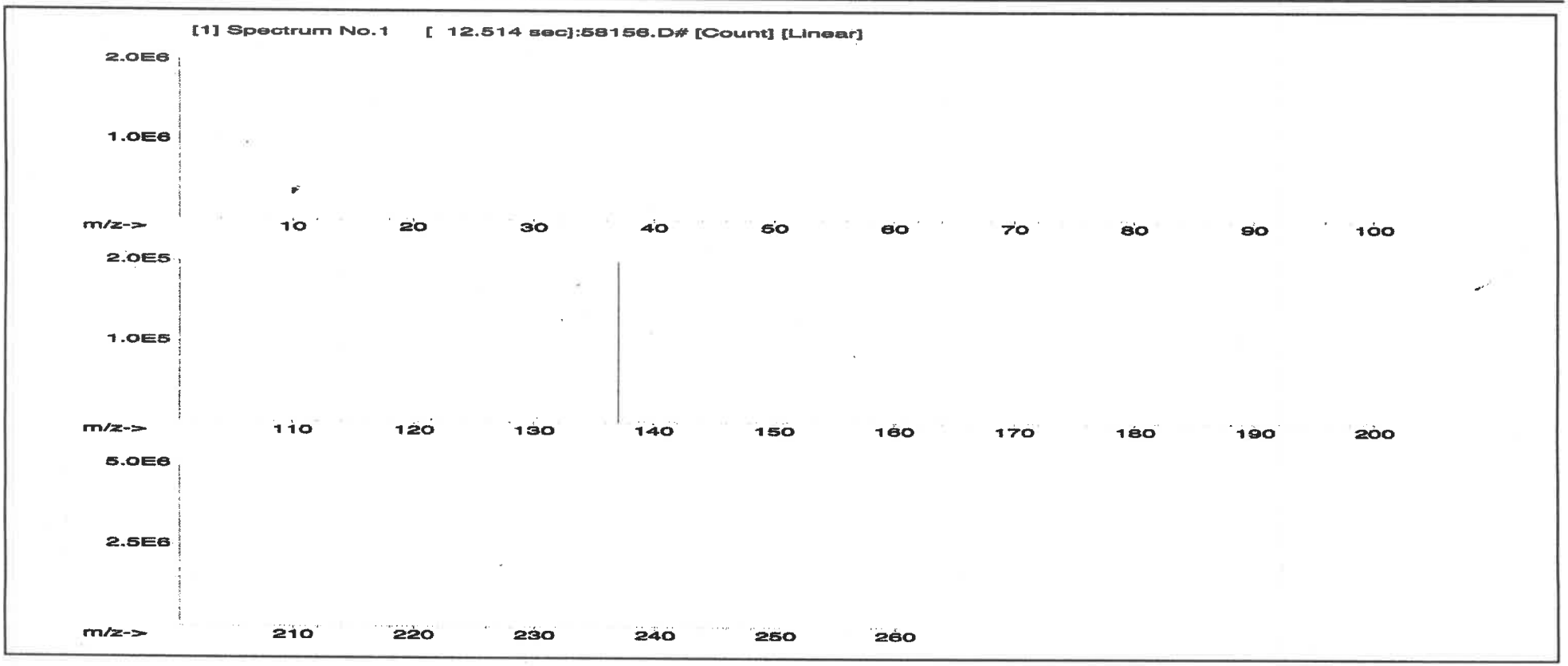
CERTIFIED WEIGHT REPORT:

Part Number:	**57056**		**Lot #**		
Lot Number:	**072122**	**Solvent:**	20510011	Nitric Acid	
Description:	**Barium (Ba)**	2%	40.0 (mL)	Nitric Acid	
Expiration Date:	072125				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty		

Giovanni Esposito

Formulated By:	Giovanni Esposito	072122
Reviewed By:	Pedro L. Rentas	072122

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Barium nitrate (Ba)	IN023	BAD022019A1	1000	99.999	0.10	52.3	3.82417	3.82426	**1000.0**	2.0	10022-31-8	0.5 mg/m3	orl-rat 355 mg/kg	3104a



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	T	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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Certified Reference Material CRM

M5497 - M5498 R: 03/17/23 BH

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CERTIFIED WEIGHT REPORT:

Part Number: 58120
Lot Number: 031523
Description: Calcium (Ca)

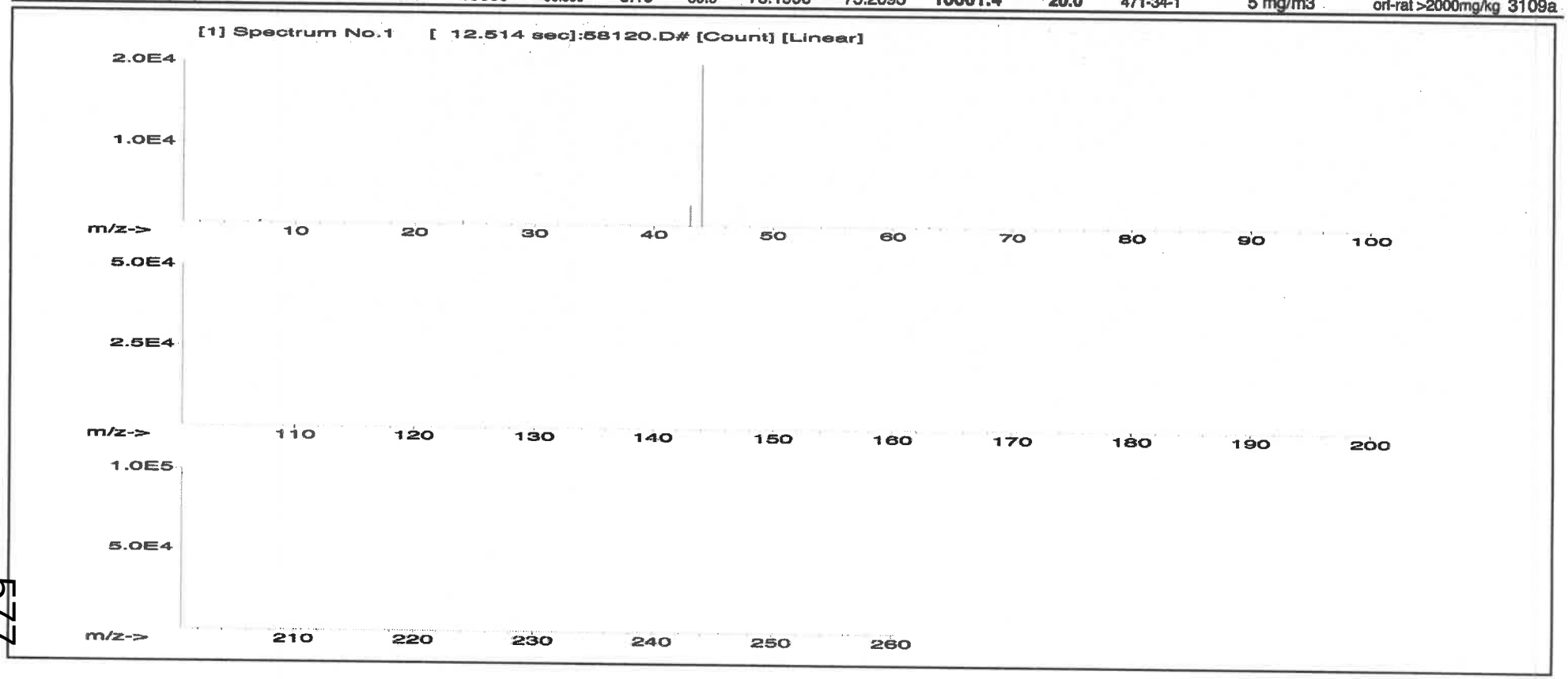
Expiration Date: 031526
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 3000.41

	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



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	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).

8/6/78

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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

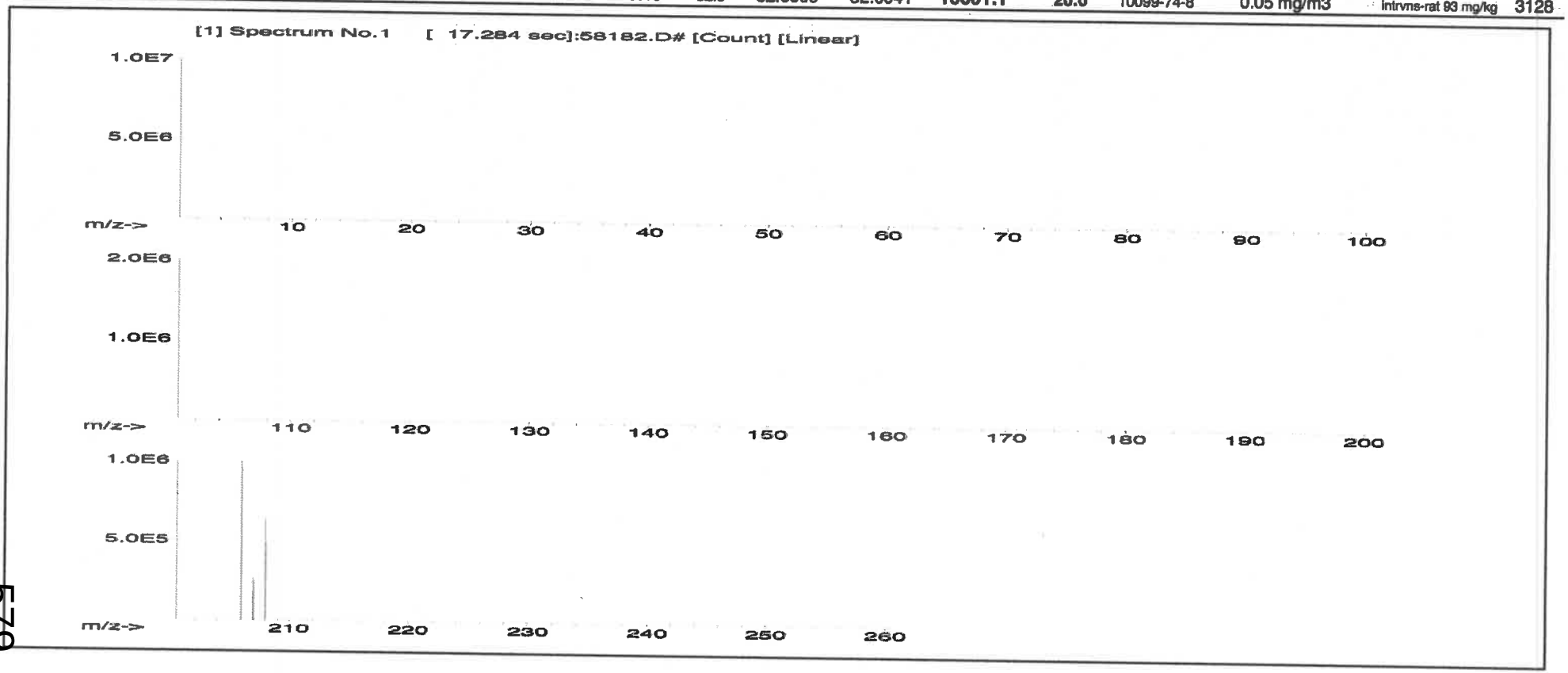
	Lot #		
Solvent:	20510011	Nitric Acid	
2%	40.0 (mL)	Nitric Acid	

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



579

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)

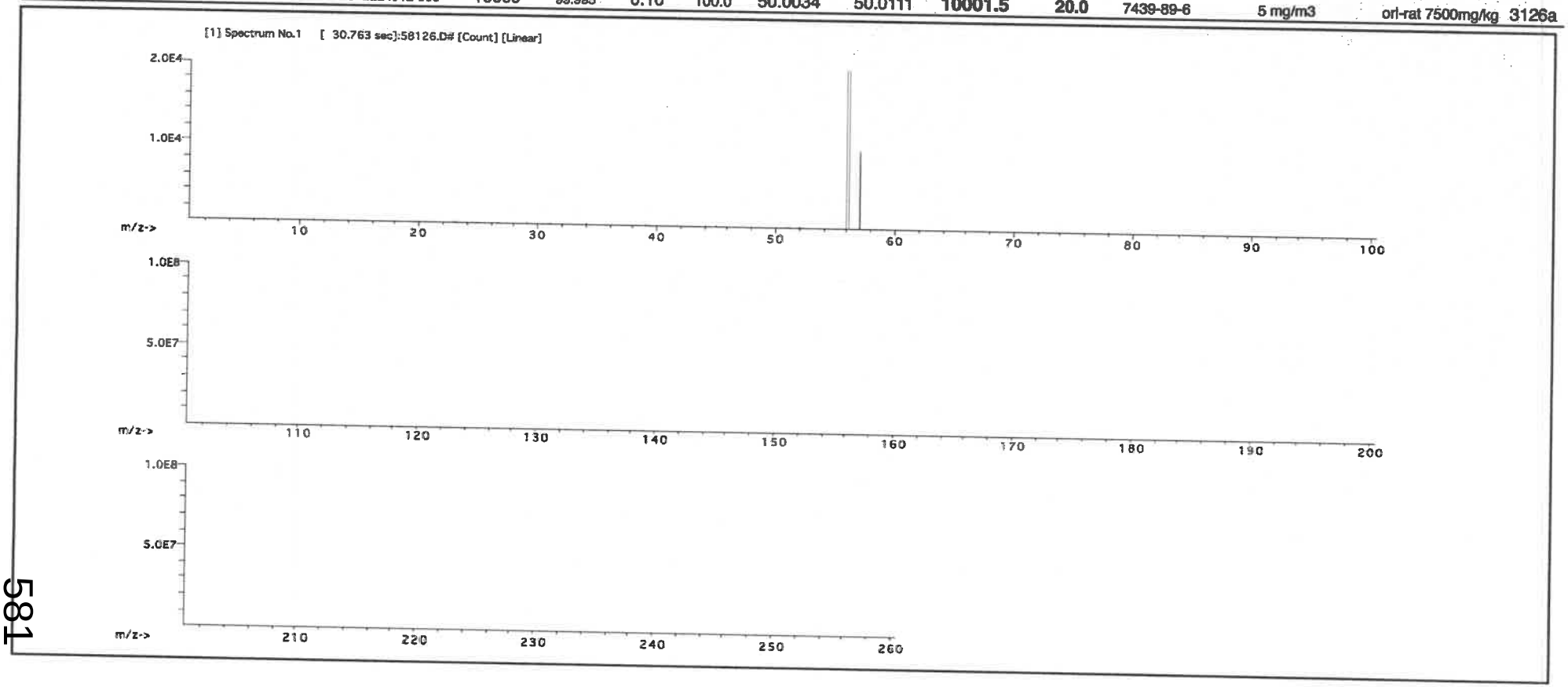
Expiration Date: 092125
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 5000.1

	Lot #		
Solvent:	20510011	Nitric Acid	
7.0%	350.0 (mL)	Nitric Acid	
5E-05	Balance Uncertainty		
0.12	Flask Uncertainty		

Giovanni Esposito

Formulated By:	Giovanni Esposito	092122
Reviewed By:	Pedro L. Rentas	092122

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Iron (Fe)	IN346	2224912-500	10000	99.995	0.10	100.0	50.0034	50.0111	**10001.5**	**20.0**	7439-89-6	5 mg/m3	orl-rat 7500mg/kg	3126a



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	<0.10	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.10	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.05	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.10	Ge	<0.10	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.05
B	<0.02	Cu	<0.10	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
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* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

582

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M5519. M5520 (BH) R:03/17/23

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583

CERTIFIED WEIGHT REPORT:

Part Number: 58119
Lot Number: 120822
Description: Potassium (K)

Expiration Date: 120825
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 3000.4

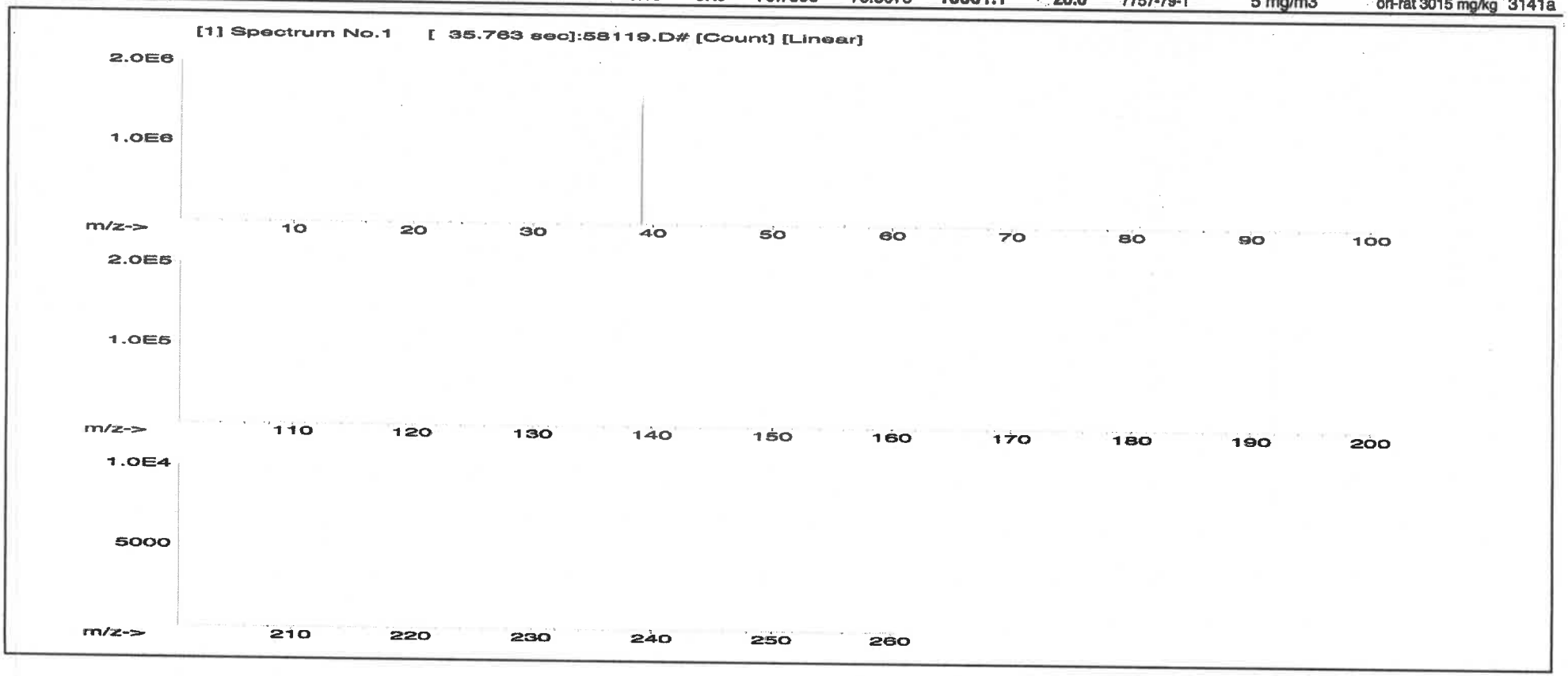
	Lot #		
Solvent:	20510011	Nitric Acid	
2%	60.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty
0.06 Flask Uncertainty

Giovanni Esposito

Formulated By:	Giovanni Esposito	120822
Reviewed By:	Pedro L. Rentas	120822

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Potassium nitrate (K)	IN034	KD022021A1	10000	99.999	0.10	37.6	79.7990	79.8075	**10001.1**	**20.0**	7757-79-1	5 mg/m3	orl-rat 3015 mg/kg	3141a



584

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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Certificate of Analysis

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inorganicventures.com

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1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	CLPP-SPK-1
Lot Number:	T2-MEB721963
Matrix:	7% (v/v) HNO3
Value / Analyte(s):	2 000 µg/mL ea: Aluminum, Barium,
	1 000 µg/mL ea: Iron,
	500 µg/mL ea: Manganese, Nickel, Vanadium, Zinc, Cobalt,
	250 µg/mL ea: Copper,
	200 µg/mL ea: Chromium,
	50 µg/mL ea: Beryllium, Silver

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Aluminum, Al	2 000 ± 7 µg/mL	Barium, Ba	2 000 ± 9 µg/mL
Beryllium, Be	50.00 ± 0.26 µg/mL	Chromium, Cr	200.0 ± 1.1 µg/mL
Cobalt, Co	500.0 ± 2.4 µg/mL	Copper, Cu	250.0 ± 1.0 µg/mL
Iron, Fe	1 000 ± 4 µg/mL	Manganese, Mn	500.0 ± 2.0 µg/mL
Nickel, Ni	500.0 ± 2.2 µg/mL	Silver, Ag	50.00 ± 0.22 µg/mL
Vanadium, V	500.0 ± 2.2 µg/mL	Zinc, Zn	500.0 ± 2.2 µg/mL

Density: 1.070 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	160729
Ag	Volhard	999c	999c
Ag	Calculated		See Sec. 4.2
Al	ICP Assay	3101a	140903
Al	EDTA	928	928
Ba	ICP Assay	3104a	140909
Ba	Gravimetric		See Sec. 4.2
Be	ICP Assay	3105a	090514
Be	Calculated		See Sec. 4.2
Co	ICP Assay	3113	190630
Co	EDTA	928	928
Cr	ICP Assay	3112a	170630
Cu	ICP Assay	3114	121207
Cu	EDTA	928	928
Fe	ICP Assay	3126a	140812
Fe	EDTA	928	928
Mn	ICP Assay	3132	050429
Mn	EDTA	928	928
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
V	IC Assay	3165	160906
V	EDTA	928	928
Zn	ICP Assay	3168a	120629
Zn	EDTA	928	928

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method I with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (t) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (t) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Note: This solution contains Silver (Ag), please refer to our Sample Preparation Guide for more information.

https://www.inorganicventures.com/sample-preparation-guide/samples-containing-silver

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

July 27, 2022

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- July 27, 2027

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



CORCO CHEMICAL CORPORATION

Manufacturers of ACS Reagents and Semiconductor Grade Chemicals

CERTIFICATE OF ANALYSIS

Date: 8/3/2022 MS631 MS632 MS633 MS634 **Lot No 820803**

Hydrogen Peroxide, ACS
Reagent Grade

TEST	MAXIMUM LIMITS	RESULT
Appearance	Colorless and free from suspended matter or sediment	Pass
Assay	29-32%	31.4%
Color (APHA)	10	5
Residue after Evaporation	0.002%	.0001%
Titratable Acid	0.0006 meq/g	< .0006 meq/g
Chloride (Cl)	2 ppm	< 1 ppm
Nitrate (NO_3)	2 ppm	< 1 ppm
Phosphate	2 ppm	< 1 ppm
Sulfate (SO_4)	5 ppm	< .5 ppm
Ammonium (NH_4)	5 ppm	< 1 ppm
Heavy Metals (as Pb)	1 ppm	< .1 ppm
Iron (Fe)	0.5 ppm	< .1 ppm
Sodium Stannate	200 – 300 ppb	Pass

***Our Hydrogen Peroxide is considered un-stabilized because it is very slightly stabilized with Sodium Stannate, 500 ppb maximum, just for safety purposes.

Date of MFG: 8/2022
Retest date: 8/2024

Gina M. Rambo
Office Manager

CORCO CHEMICAL CORPORATION. 299 CEDAR LANE. FAIRLESS HILLS, PA 19030. 215-295-5006. FAX 215-295-0781

INORGANIC VENTURES
Refine your results. Redefine your industry.

Certificate of Analysis

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

M5657 A: 8/29/22

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	CLPP-SPK-4
Lot Number:	T2-MEB721144
Matrix:	3% (v/v) HNO3
Value / Analyte(s):	100 µg/mL ea: Antimony,
	50 µg/mL ea: Cadmium, Thallium,
	40 µg/mL ea: Arsenic,
	20 µg/mL ea: Lead,
	10 µg/mL ea: Selenium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Antimony, Sb	99.9 ± 0.8 µg/mL	Arsenic, As	40.00 ± 0.25 µg/mL
Cadmium, Cd	49.96 ± 0.22 µg/mL	Lead, Pb	19.99 ± 0.10 µg/mL
Selenium, Se	10.00 ± 0.06 µg/mL	Thallium, Tl	49.96 ± 0.32 µg/mL

Density: 1.014 g/mL (measured at 20 ± 4 °C)

Assay Information:

590

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

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u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

July 07, 2022

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **July 07, 2027**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



Absolute Standards, Inc.
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www.absolutestandards.com

Certified Reference Material CRM

M5658 R ! 8/25/23

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

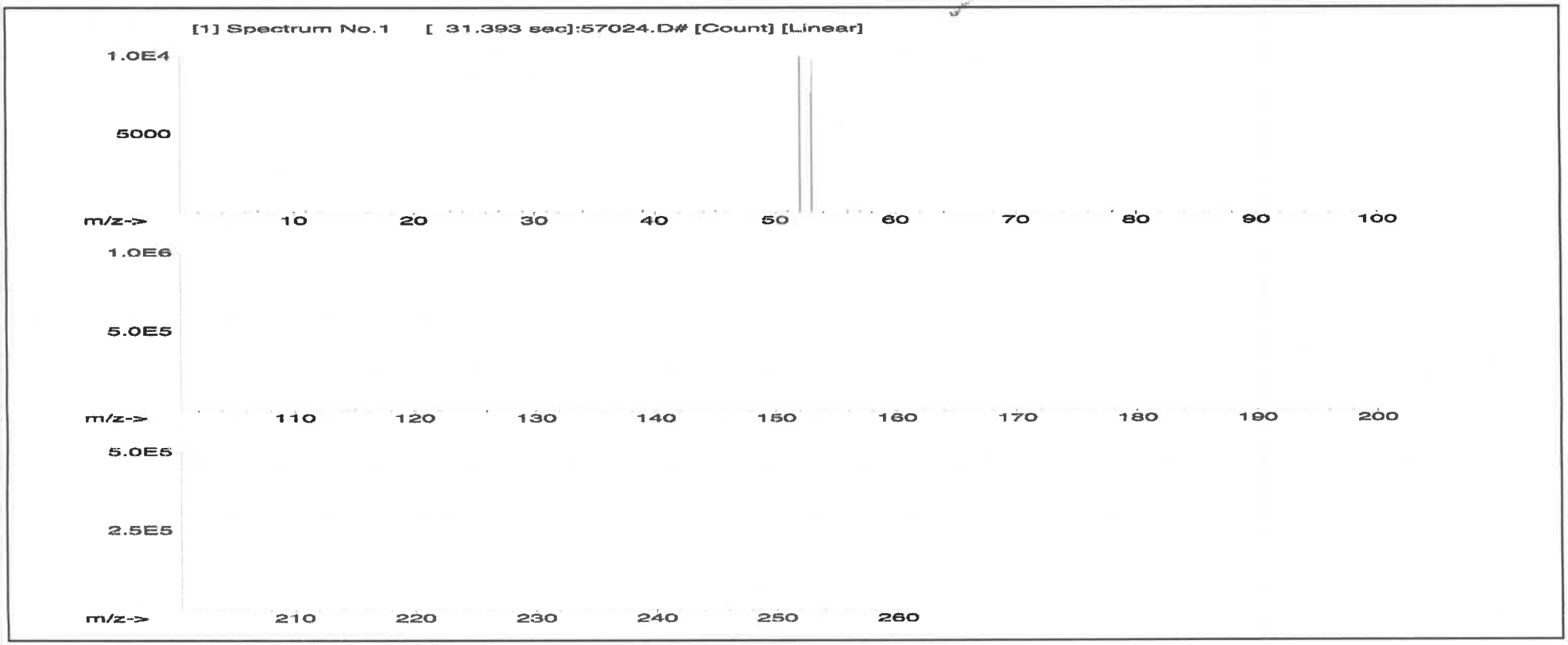
CERTIFIED WEIGHT REPORT:

		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

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Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Chromium(III) nitrate nonahydrate (Cr)	58124	071122	0.1000	200.0	0.084	1000	10000.1	**1000.0**	**2.2**	7789-02-8	0.5 mg(Cr)/m3	orl-rat 3250 mg/kg	3112a



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	T	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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Certified Reference Material CRM

M5697 R: 10/27/23

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

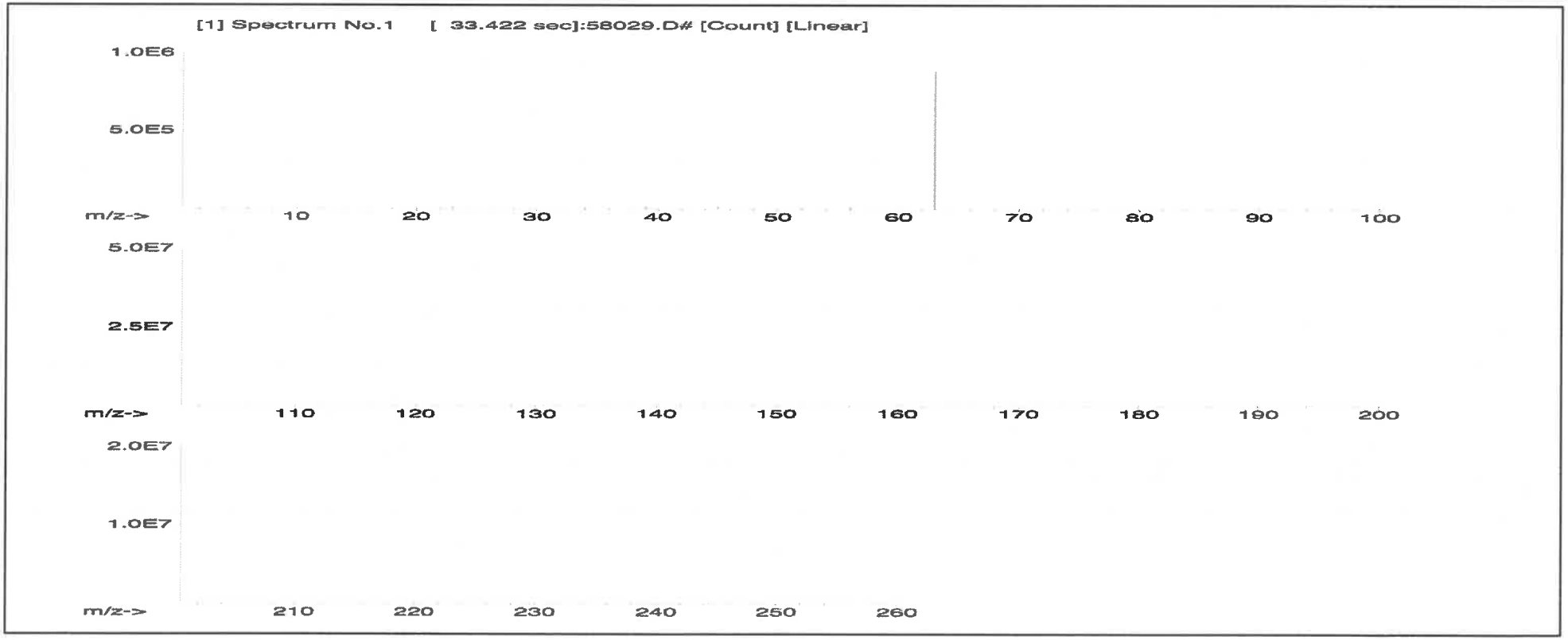
596

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



597

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	T	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Absolute Standards, Inc.
800-368-1131
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Certified Reference Material CRM

M5648 R: 10/27/23

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

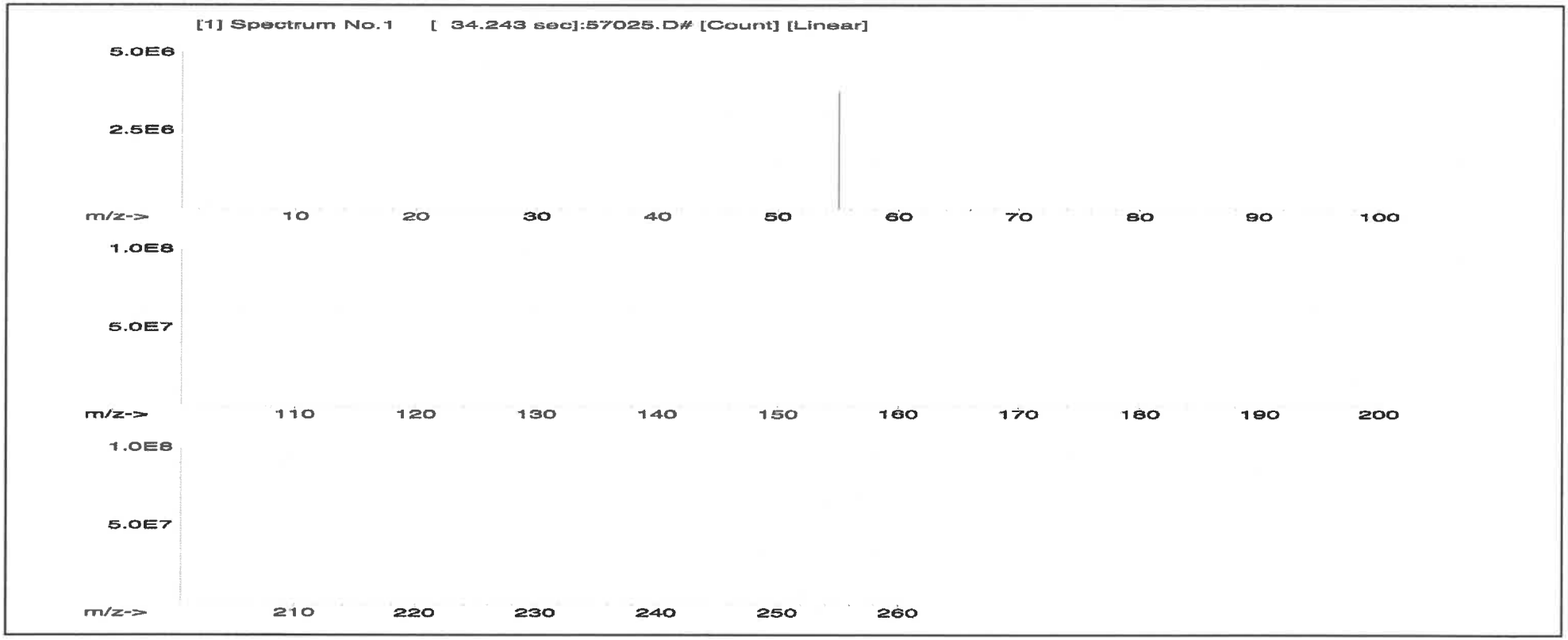
598

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



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	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	T	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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M5768 M5769 (BP) R:1/3/24

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600

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

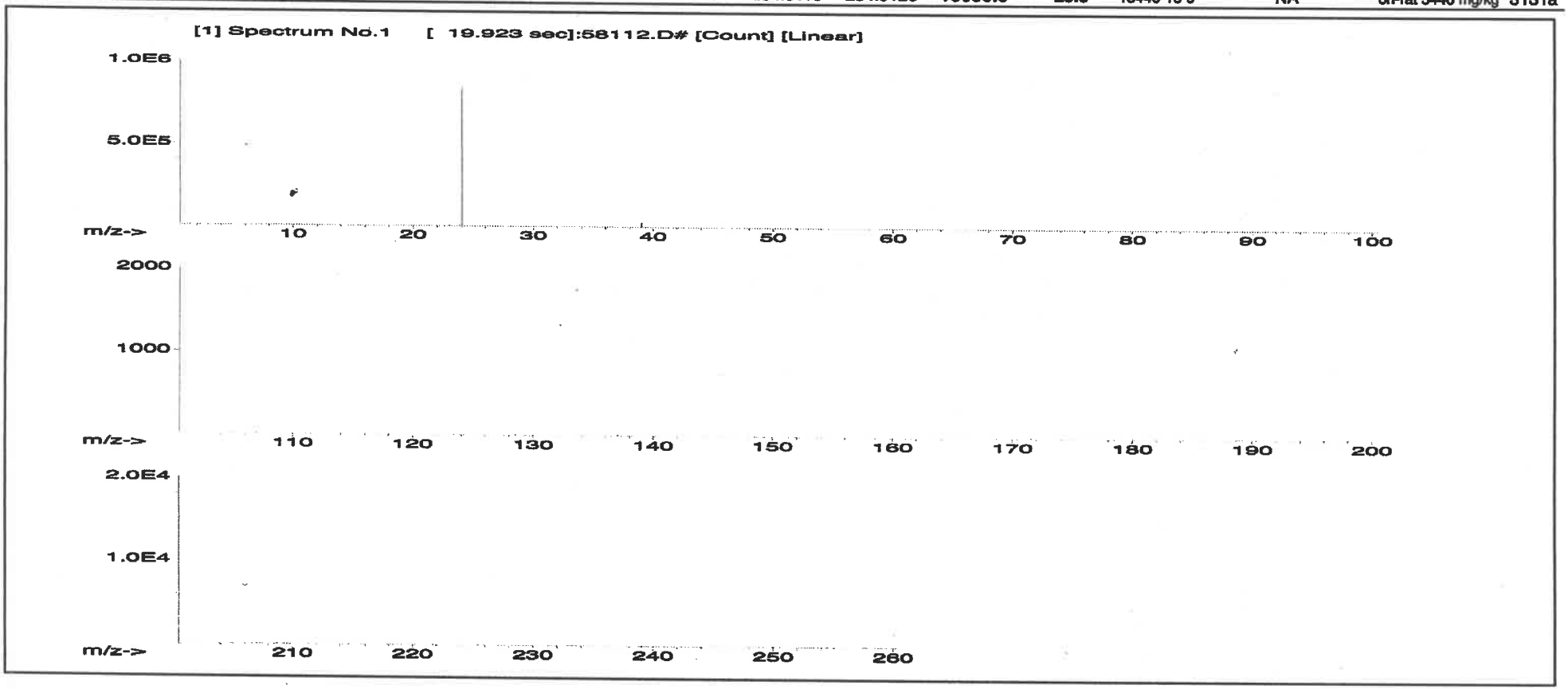
5E-05 Balance Uncertainty

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



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	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	T	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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602

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

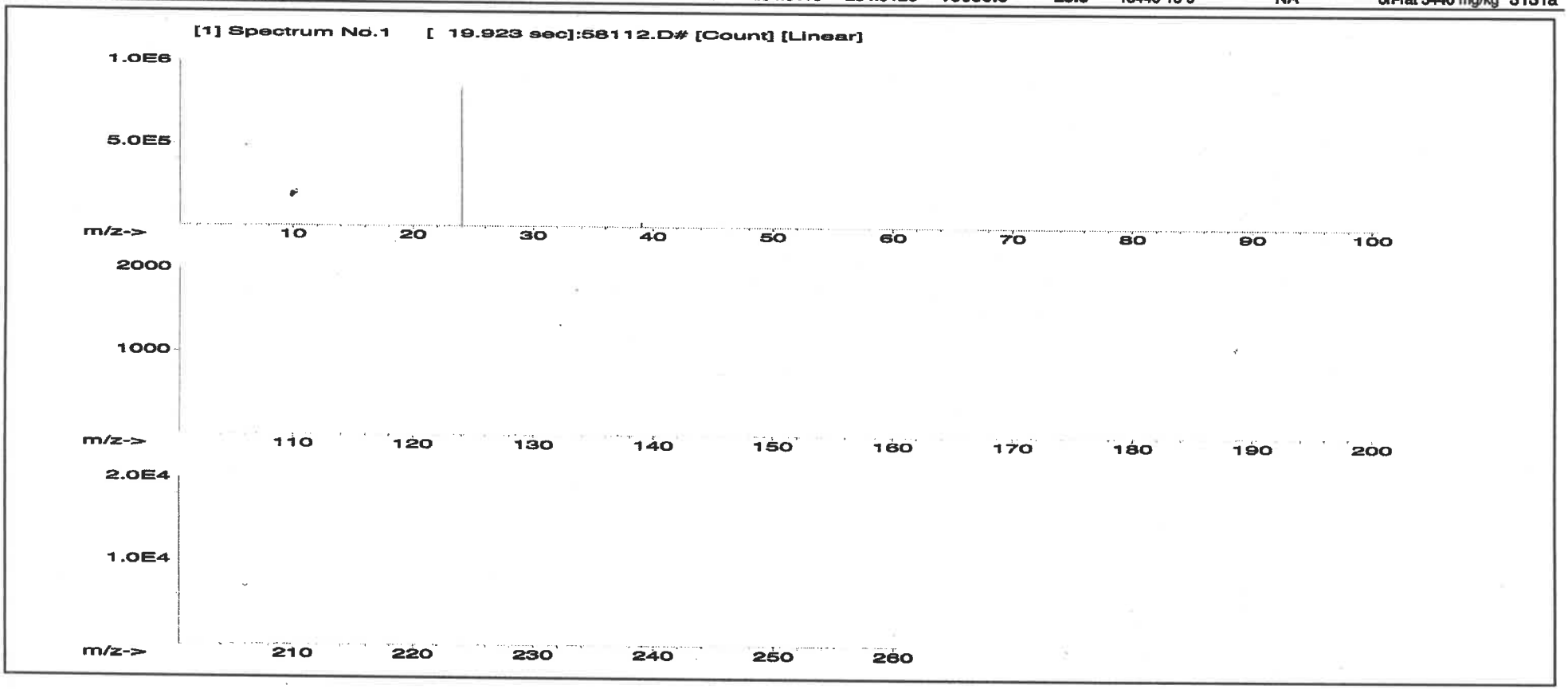
5E-05 Balance Uncertainty

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



603

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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* 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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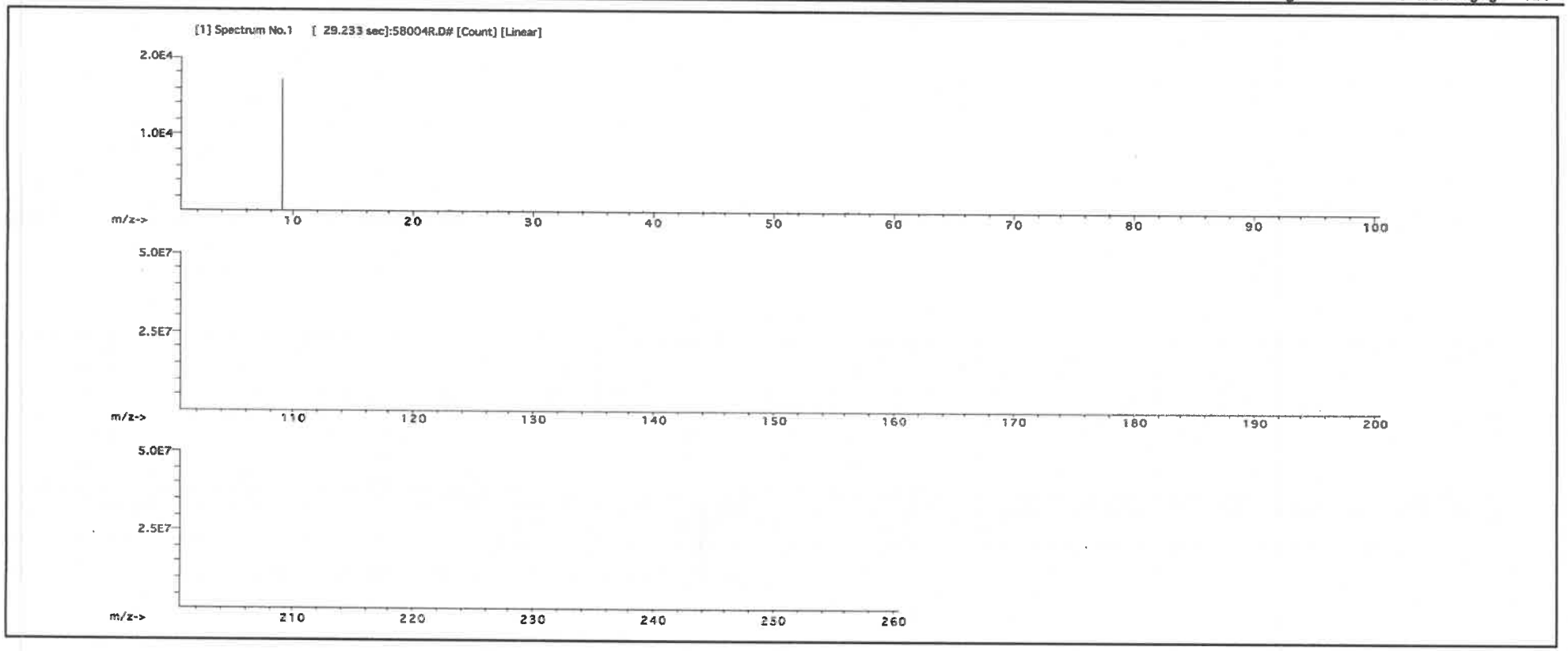
604

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:		
Part Number:	**57004**	24002546	Nitric Acid		
Lot Number:	**102523**				
Description:	**Beryllium (Be)**	2.0%	40.0 (mL)	Nitric Acid	
Expiration Date:	102526				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Volume shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty		

Formulated By:	Benson Chan	102523
Reviewed By:	Pedro L. Rentas	102523

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Beryllium nitrate (Be)	58104	091423	0.1000	200.0	0.084	1000	10001.5	**1000.0**	**2.2**	13597-99-4	0.2ug/m3	intrvns-rat 3.16mg/kg	NA



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																		
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	T	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

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* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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609

CERTIFIED WEIGHT REPORT:

Part Number: 57050
Lot Number: 071123
Description: Tin (Sn)

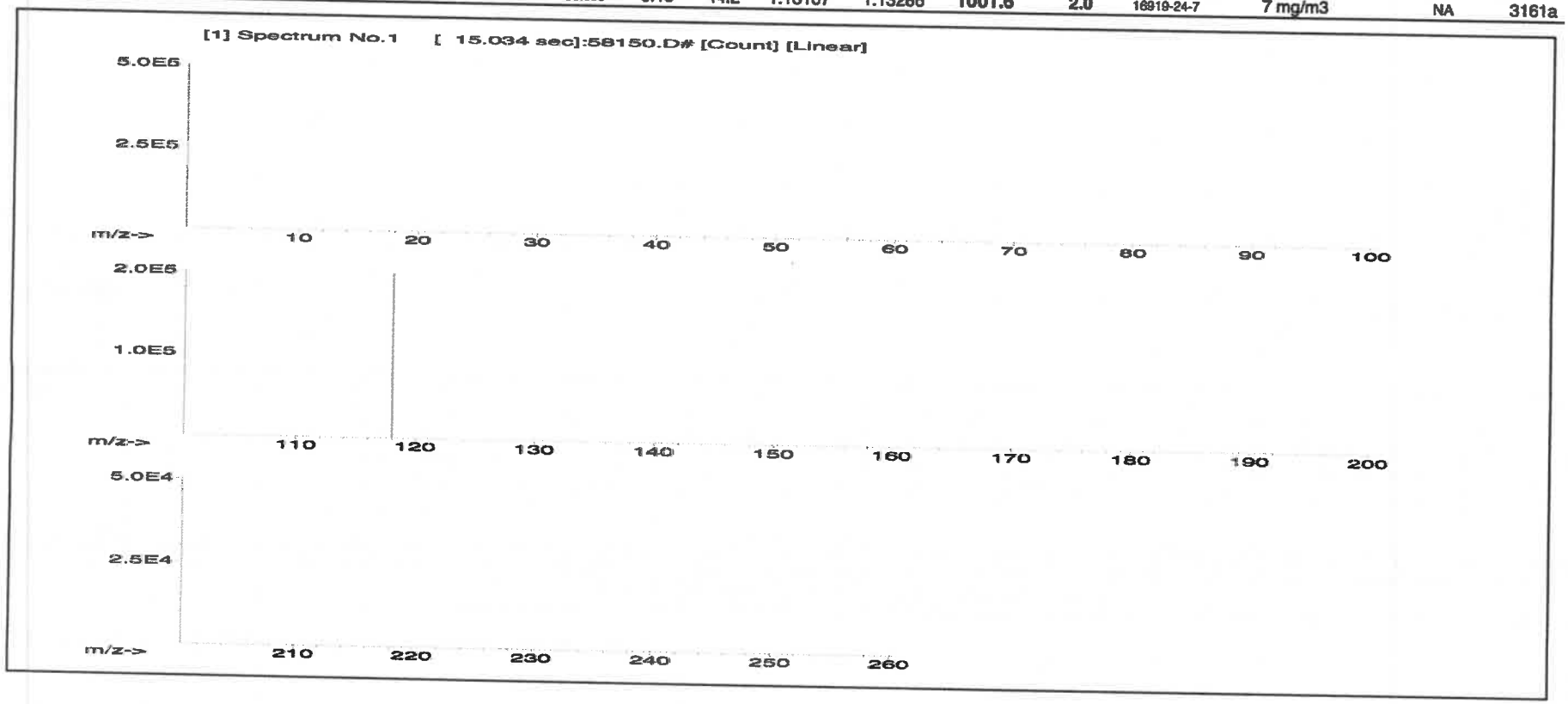
Expiration Date: 071126
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 499.93

	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



607

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<500	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	T	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

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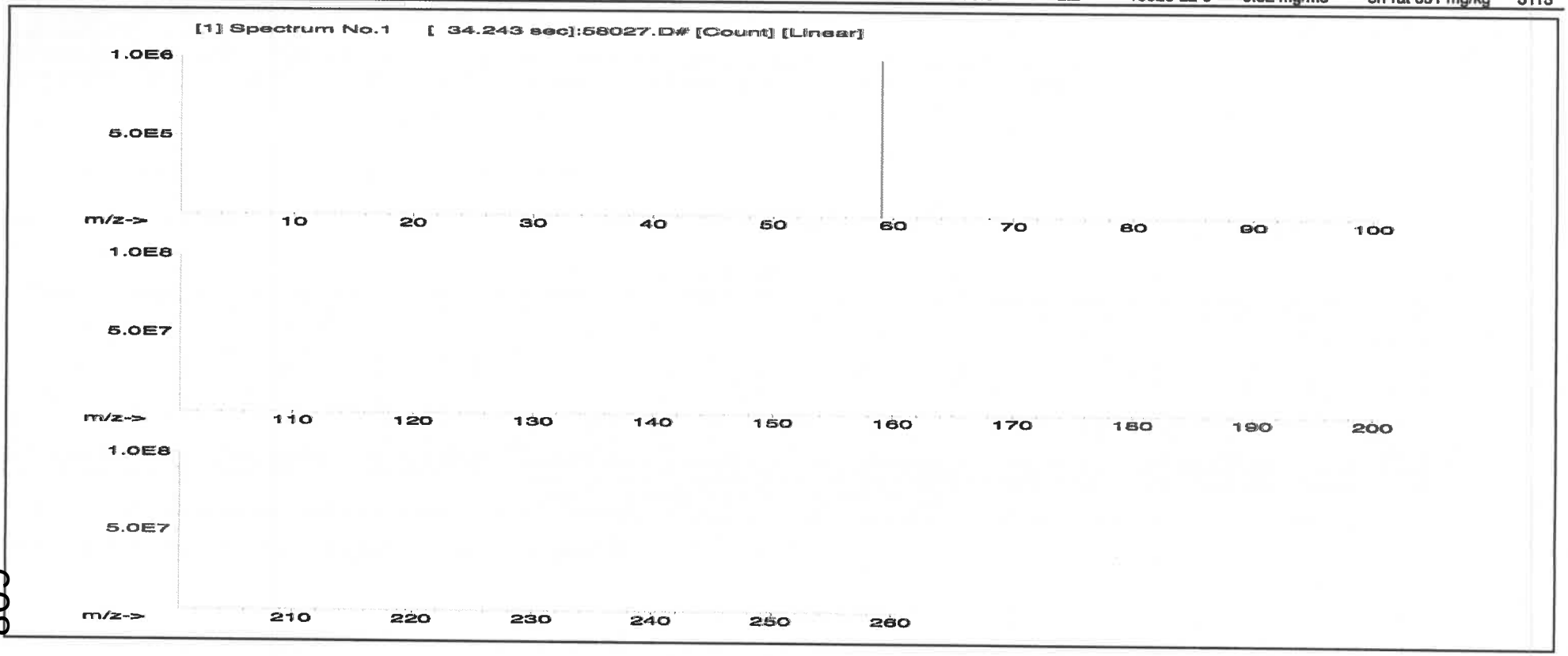
CERTIFIED WEIGHT REPORT:

		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



809

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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* 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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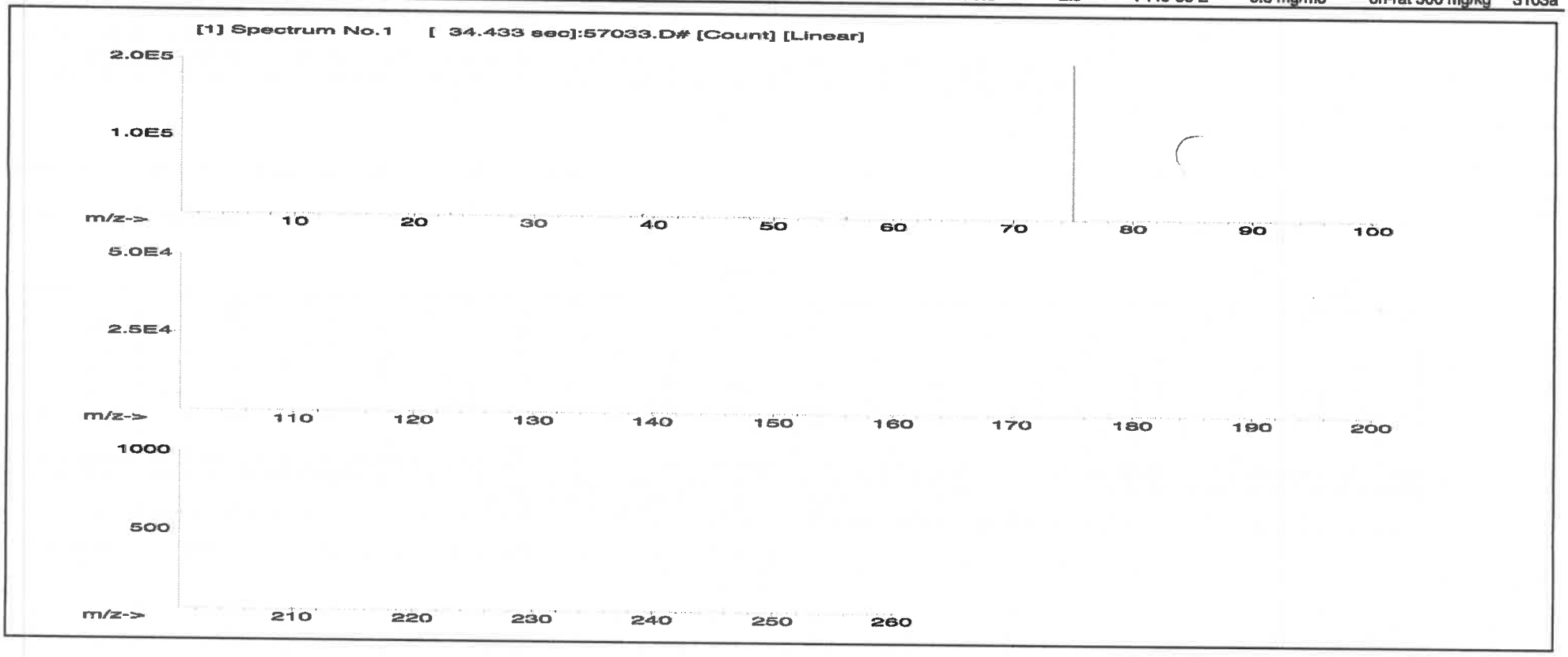
610

CERTIFIED **WEIGHT** REPORT:

		Lot #	Solvent:		
Part Number:	**57033**	24002546	Nitric Acid		
Lot Number:	**111323**				
Description:	**Arsenic (As)**	2.0%	80.0 (mL)	Nitric Acid	
Expiration Date:	111326				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Volume shown below was diluted to (mL):	4000.0	0.06	Flask Uncertainty		

Formulated By:	Lawrence Barry	111323
Reviewed By:	Pedro L. Rentas	111323

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Arsenic (As)	58133	020522	0.1000	400.0	0.084	1000	10001.0	**1000.0**	**2.0**	7440-38-2	0.5 mg/m3	orl-rat 500 mg/kg	3103a



611

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	T	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge*	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

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* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
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* 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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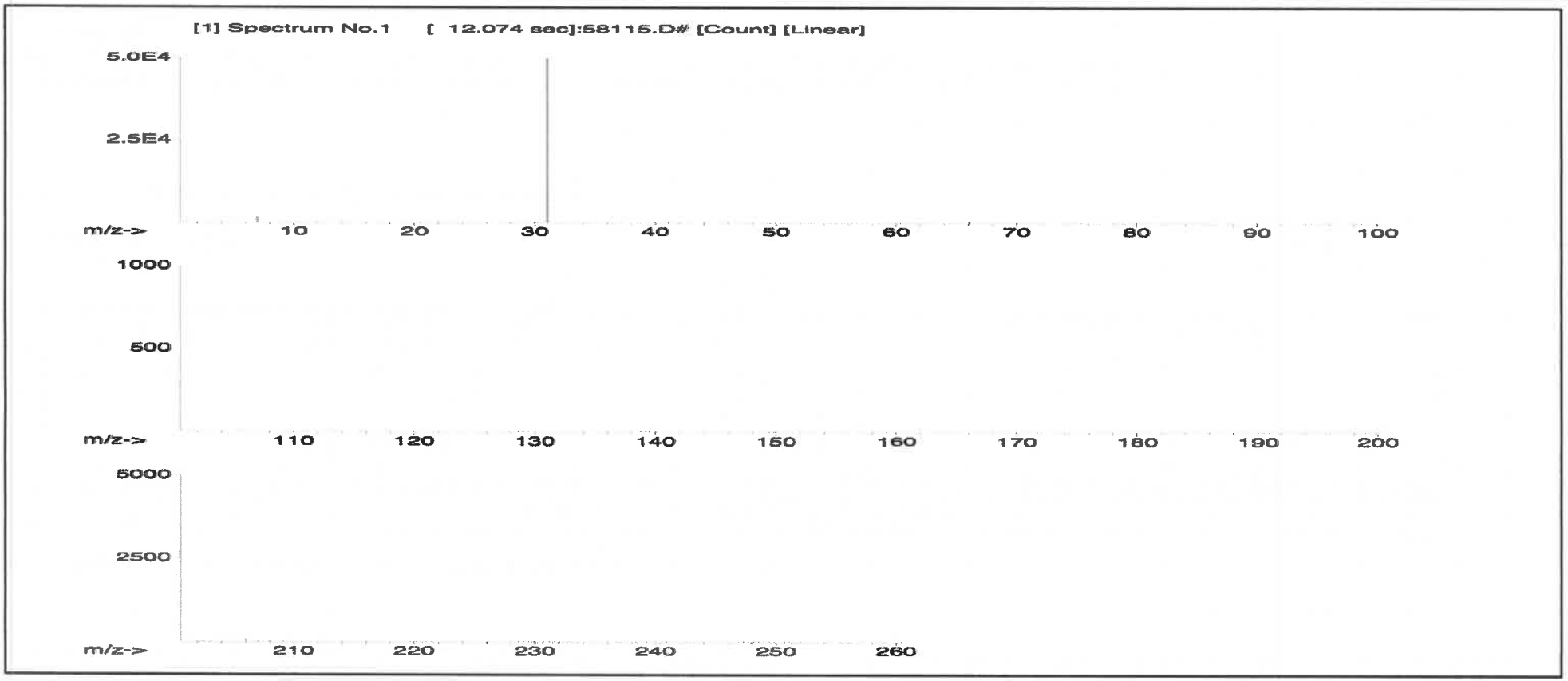
612

CERTIFIED WEIGHT REPORT:

			Lot #	
Part Number:	**57115**	**Solvent:**	21110221	Nitric Acid
Lot Number:	**041723**			
Description:	**Phosphorous (P)**	2%	40.0 (mL)	Nitric Acid
Expiration Date:	041726			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**10000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Weight shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty	

Formulated By:	Lawrence Barry	041723
Reviewed By:	Pedro L. Rentas	041723

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Ammonium dihydrogen phosphate (P)	IN008	PV082019A1	10000	99.999	0.10	27.5	72.7287	72.7289	**10000.0**	**20.0**	7722-76-1	5 mg/m3	orl-rat >2000mg/kg	3186



Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	T	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
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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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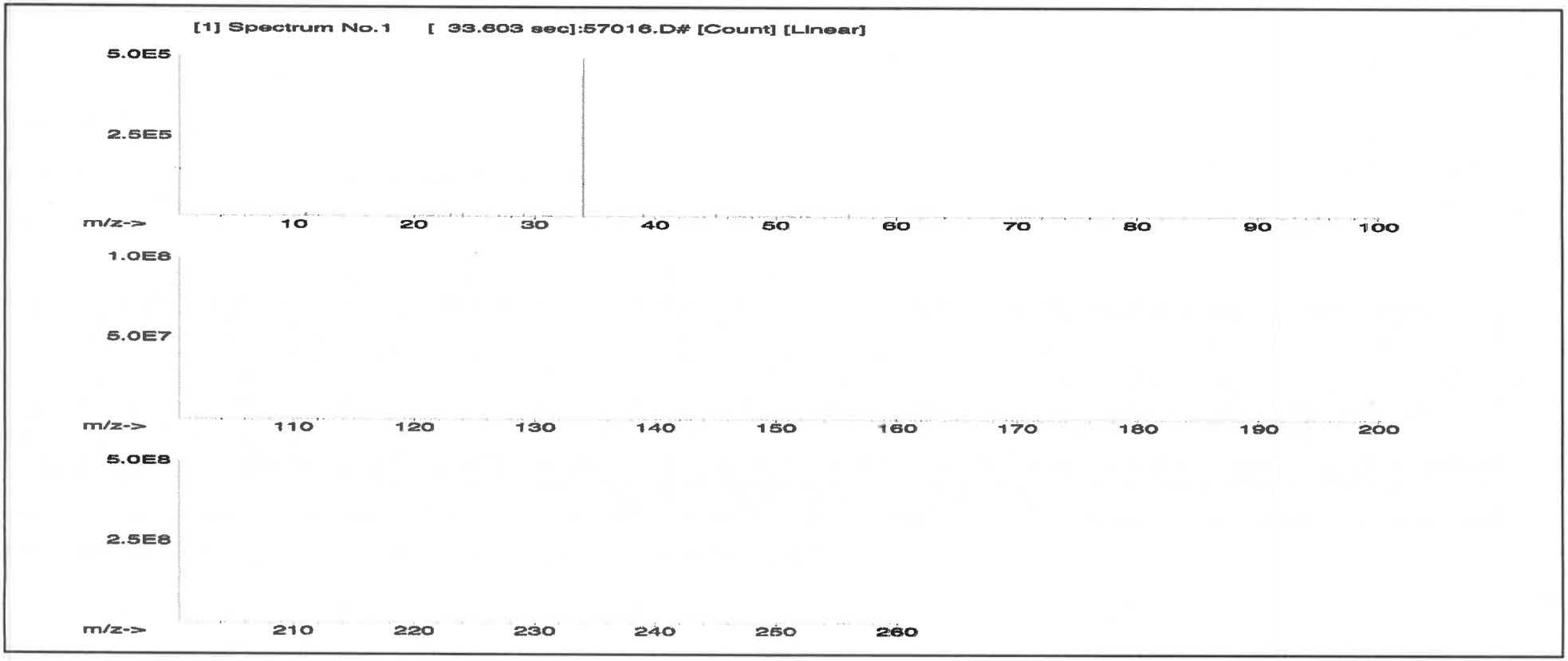
614

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



615

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	T	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:



* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
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* 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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616

CERTIFIED WEIGHT REPORT:

Part Number: 57116
Lot Number: 071123
Description: Sulfur (S)

Expiration Date: 071126
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB

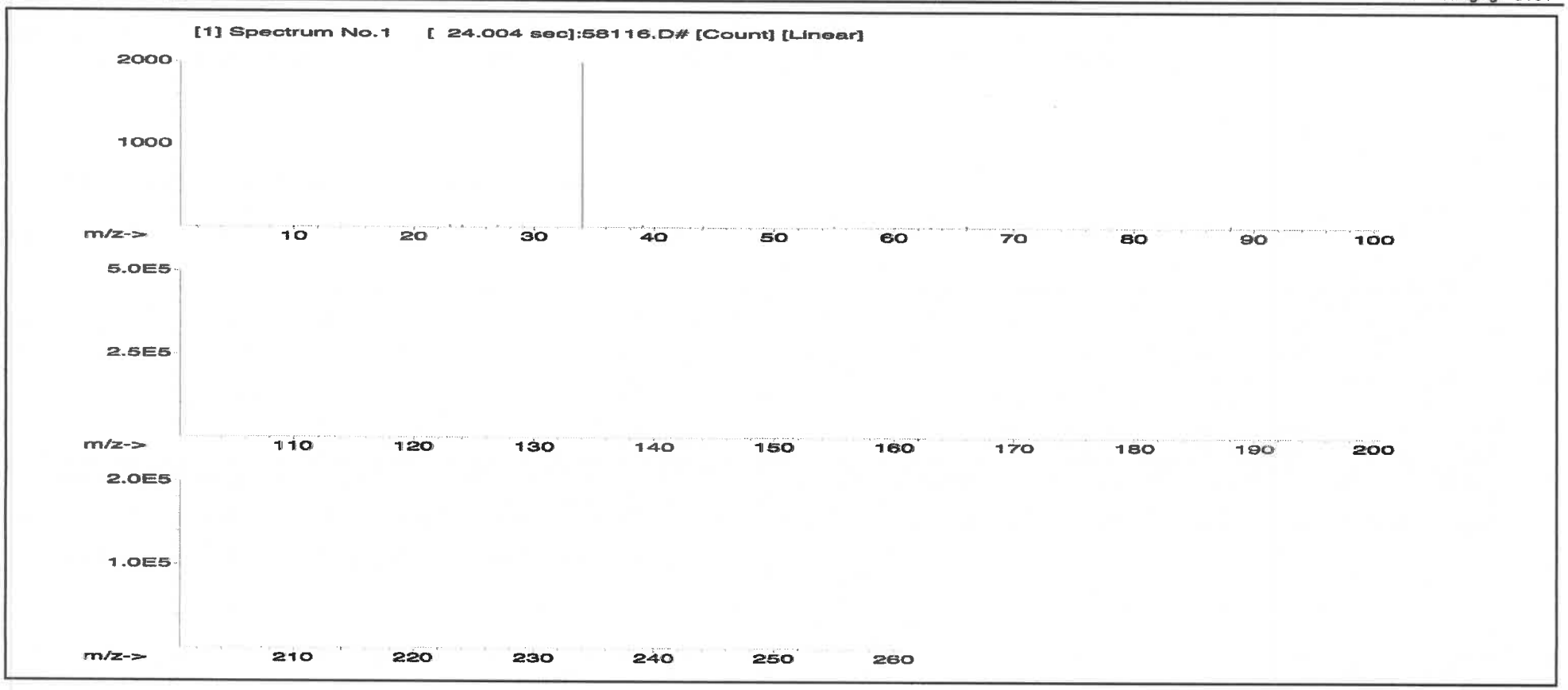
Weight shown below was diluted to (mL): 1999.48 0.058 Flask Uncertainty

Lot #
Solvent: 071123 ASTM Type 1 Water

5E-05 Balance Uncertainty

Formulated By:	Lawrence Barry	071123
Reviewed By:	Pedro L. Rentas	071123

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Ammonium sulfate (S)	IN117	SLBR7225V	10000	99.9	0.10	24.3	82.4675	82.4682	**10000.1**	**20.0**	7783-20-2	NA	orl-rat 4250mg/kg	3181



617

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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618

CERTIFIED WEIGHT REPORT:

Part Number: 57014
Lot Number: 122023
Description: Silicon (Si)

Expiration Date: 122026
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB

Weight shown below was diluted to (mL): 1999.48 0.058 Flask Uncertainty

Solvent: 24002546 Nitric Acid

2% 40.0 (mL) Nitric Acid

5E-05 Balance Uncertainty

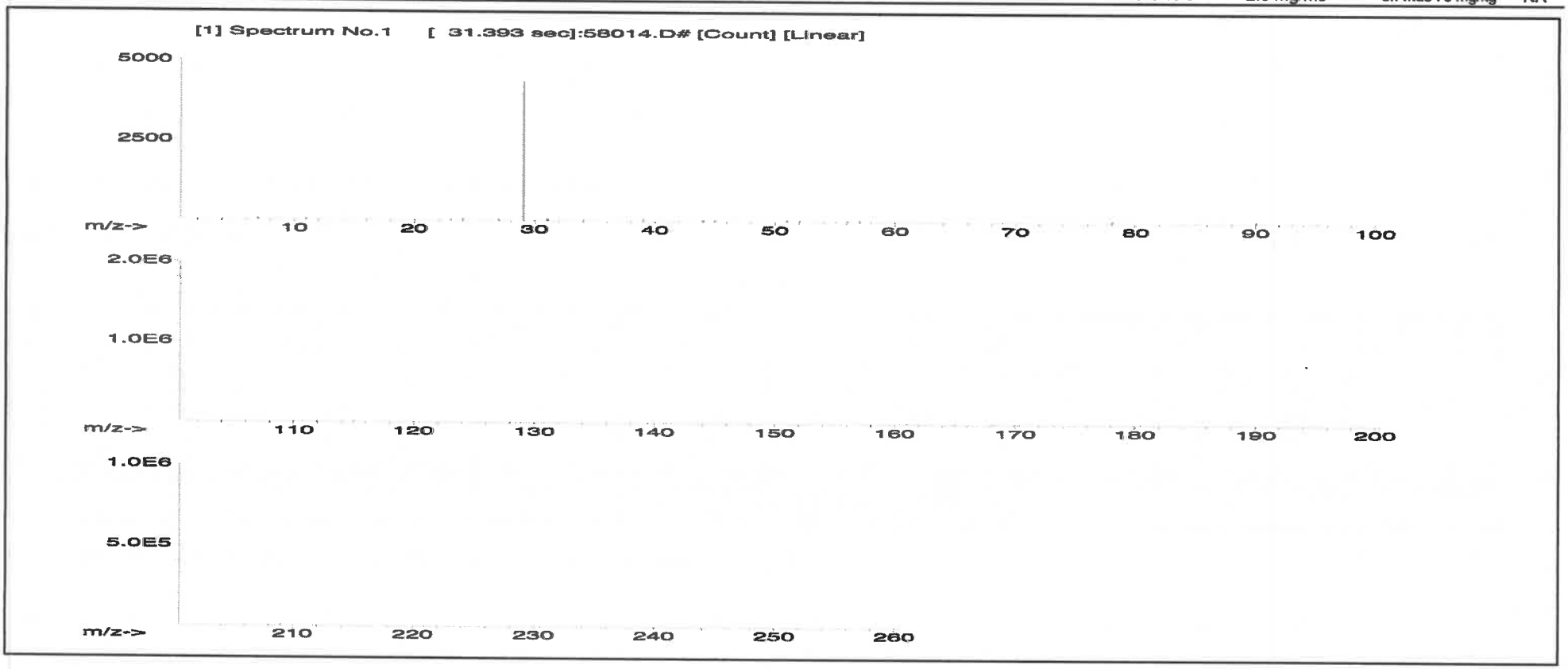
Aleah O'Brady

Formulated By:	Aleah O'Brady	122023

Pedro Rentas

Reviewed By:	Pedro L. Rentas	122023

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Ammonium hexafluorosilicate (Si)	IN009	SID082022A1	1000	99.999	0.10	14.4	13.8854	13.8855	**1000.0**	**2.0**	16919-19-0	2.5 mg/m3	orl-mus 70 mg/kg	NA



619

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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620

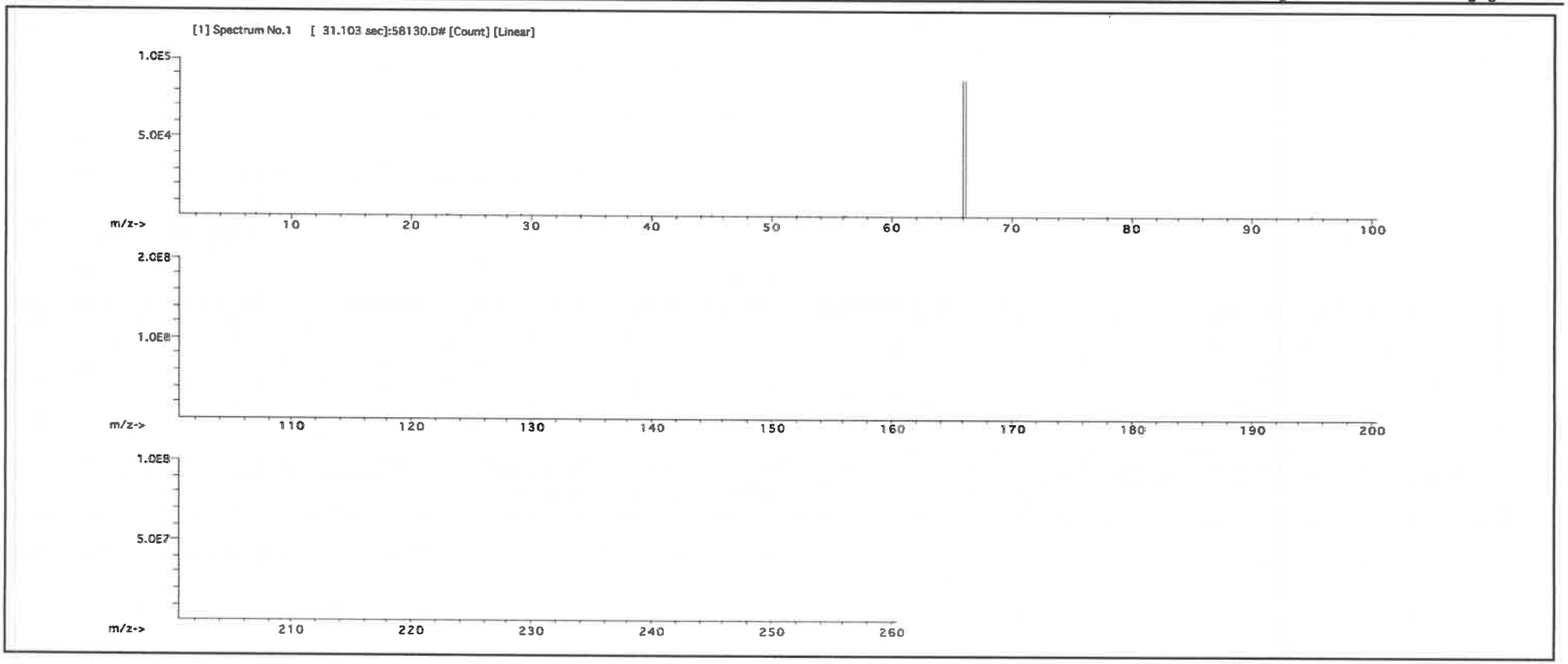
CERTIFIED WEIGHT REPORT:

Part Number:	**58030**			
Lot Number:	**111623**			
Description:	**Zinc (Zn)**			
		Solvent:	24002546	Nitric Acid
		2%	60.0 (mL)	Nitric Acid
Expiration Date:	111626			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Weight shown below was diluted to (mL):	3000.4	0.06	Flask Uncertainty	

Lot #

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



621

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	T
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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Certified Reference Material CRM

R: 02/09/24 M5820

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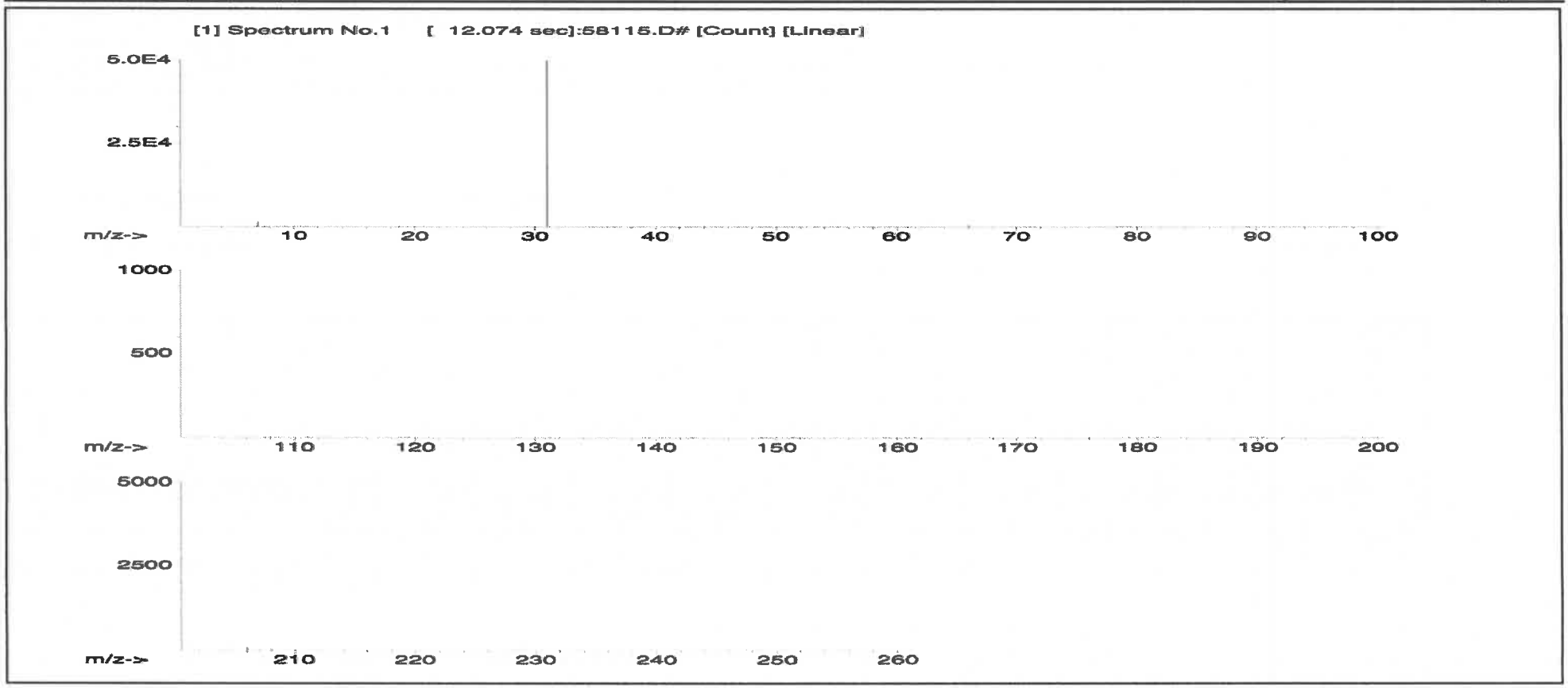
622

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.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
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* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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M5961 R: 6/11/24

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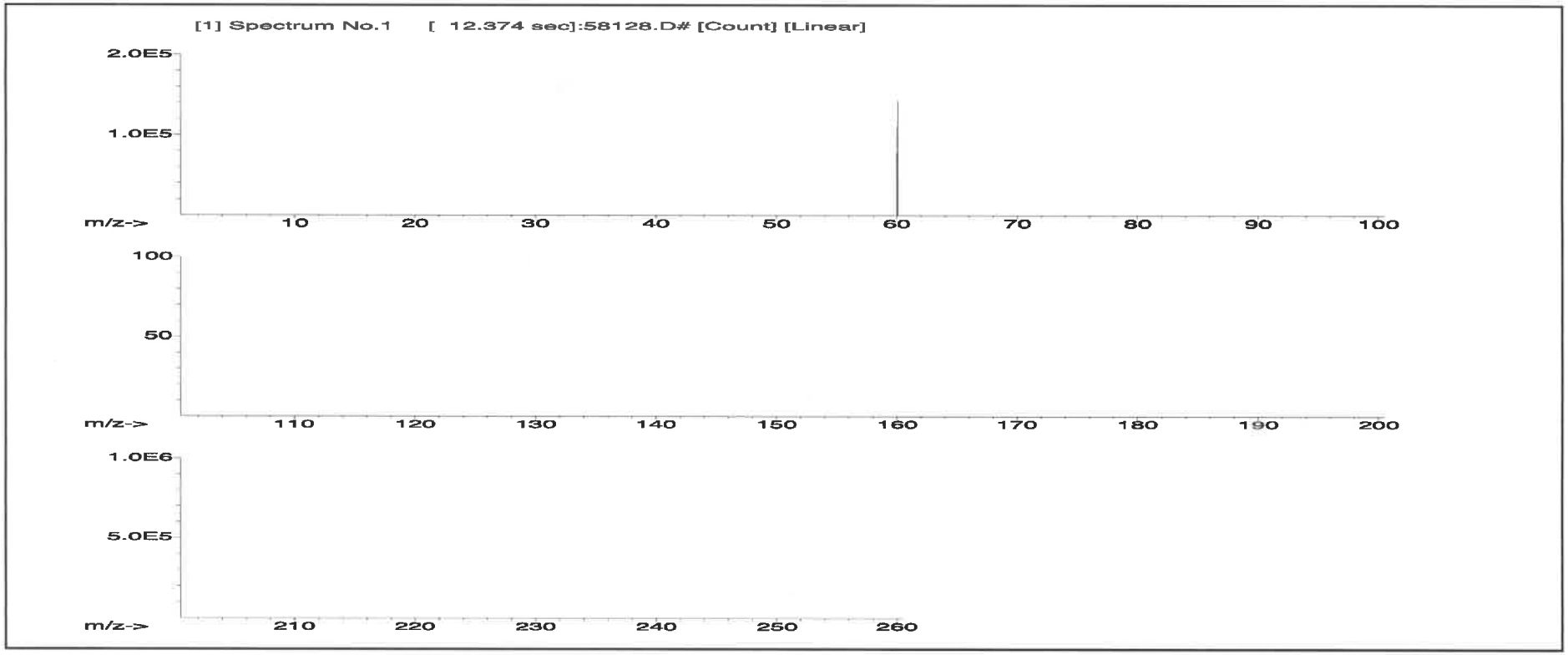
624

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



625

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	T	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
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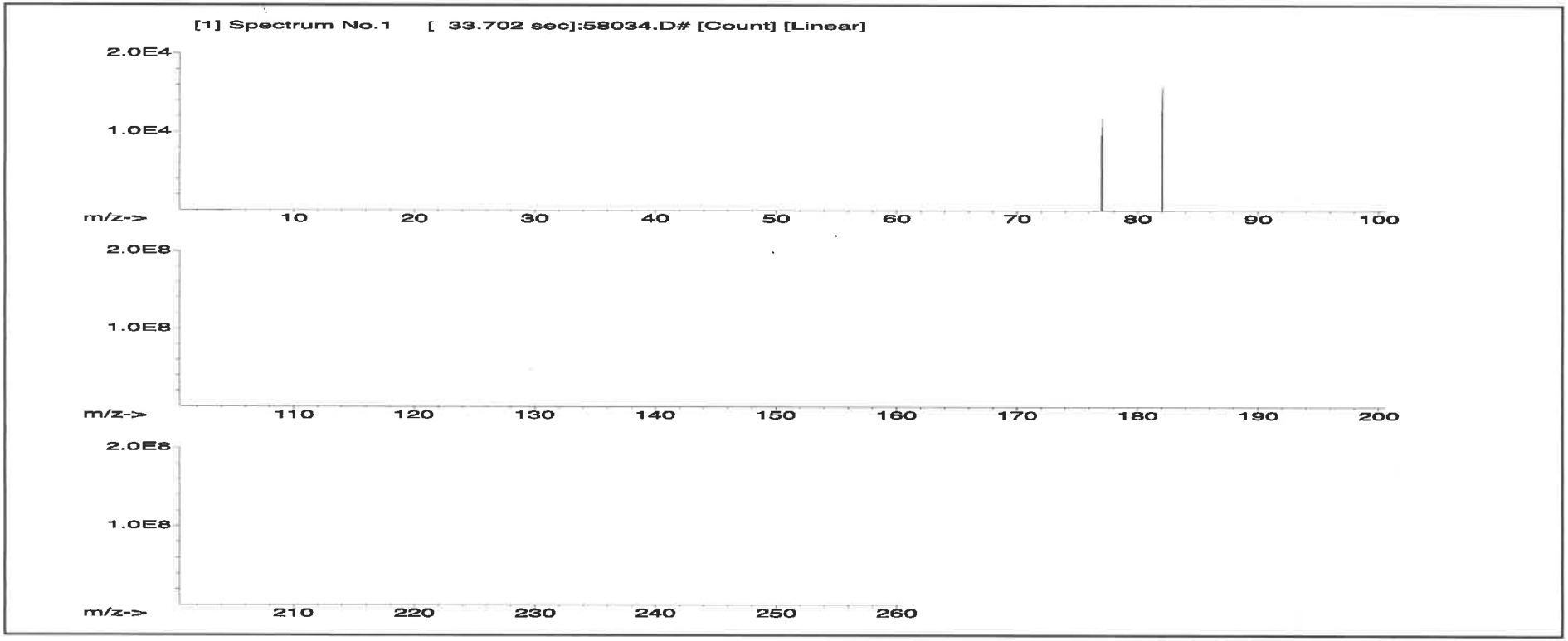
626

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:	
Part Number:	**57034**	24002546	Nitric Acid	
Lot Number:	**060624**			
Description:	**Selenium (Se)**			
		2.0%	40.0 (mL)	Nitric Acid
Expiration Date:	060627			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Volume shown below was diluted to (mL):	2000.07	0.100	Flask Uncertainty	

Formulated By:	Benson Chan	060624
Reviewed By:	Pedro L. Rentas	060624

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Selenium (Se)	58134	071223	0.1000	200.0	0.084	1000	10002.5	**1000.0**	**2.2**	7782-49-2	0.2 mg/m3	orl-rat 6700 mg/kg	3149



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																		
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	T	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
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1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01 — ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Single Analyte Custom Grade Solution
Catalog Number:	CGMO1
Lot Number:	T2-MO720876
Matrix:	H2O tr. NH4OH
Value / Analyte(s):	1 000 µg/mL ea: Molybdenum
Starting Material:	Ammonium Molybdate
Starting Material Lot#:	2361
Starting Material Purity:	99.9893%

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 998 ± 7 µg/mL

Density: 1.000 g/mL (measured at 20 ± 4 °C)

Assay Information:

Assay Method #1 **998 ± 4 µg/mL**
ICP Assay NIST SRM 3134 Lot Number: 130418

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance.

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

M	Ag	<	0.000590	M	Eu	<	0.000300	M	Na		0.000879	M	Se	<	0.008000	M	Zn		0.000598
M	Al		0.000563	M	Fe	<	0.006500	M	Nb	<	0.029000	i	Si	<		M	Zr	<	0.001800
M	As	<	0.002100	M	Ga	<	0.000300	i	Nd	<		M	Sm	<	0.000300				
M	Au	<	0.000300	M	Gd	<	0.000300	M	Ni	<	0.008000	M	Sn	<	0.008900				
M	B	<	0.003300	M	Ge	<	0.000300	M	Os	<	0.000590	M	Sr		0.000175				
M	Ba		0.001689	M	Hf	<	0.001800	i	P	<		M	Ta	<	0.004200				
M	Be	<	0.000890	M	Hg	<	0.003300	M	Pb	<	0.000300	M	Tb	<	0.000300				
M	Bi	<	0.000890	M	Ho	<	0.000300	M	Pd	<	0.001800	M	Te	<	0.021000				
O	Ca		0.006334	M	In	<	0.032000	M	Pr	<	0.013000	M	Th	<	0.000300				
O	Cd	<	0.026000	M	Ir	<	0.000300	M	Pt	<	0.000300	O	Tl	<	0.032000				
M	Ce	<	0.008300	M	K		0.130213	M	Rb		0.004575	M	Tl		0.001266				
M	Co		0.000598	M	La	<	0.000300	M	Re	<	0.000300	M	Tm	<	0.000300				
M	Cr		0.000527	O	Li		0.000059	M	Rh	<	0.000300	M	U	<	0.005300				
M	Cs		0.000527	M	Lu	<	0.000300	M	Ru	<	0.079000	M	V	<	0.000890				
M	Cu		0.002252	M	Mg		0.000563	i	S	<		M	W		0.087982				
M	Dy	<	0.000300	M	Mn	<	0.005900	M	Sb		0.001513	M	Y	<	0.000300				
M	Er	<	0.000300	s	Mo	<		M	Sc	<	0.001200	M	Yb	<	0.000300				

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference
n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 95.94 +6 6,7,8,9 [MoO4]-2(chemical form as received)

Chemical Compatibility -Mo is received in a NH4OH matrix giving the operator the option of using HCl or HF to stabilize acidic solutions. The [MoO4]-2 is soluble in concentrated HCl [MoOCl5]-2, dilute HF / HNO3 [MoOF5]-2 and basic media [MoO4]-2. Stable at ppm levels with some metals provided it is fluorinated. Do not mix with Alkaline or Rare Earths when HF is present. Stable with most inorganic anions provided it is in the [MoO4]-2 chemical form.

Stability - 2-100 ppb levels stable (alone or mixed with all other metals that are at comparable levels) as the [MoOF5]-2 for months in 1% HNO3 / LDPE container. 1-10,000 ppm single element solutions as the [MoO4]-2 chemically stable for years in 1% NH4OH in a LDPE container.

Mo Containing Samples (Preparation and Solution) -Metal (Soluble in HF / HNO3 or hot dilute HCl); Oxide (soluble in HF or NH4OH) ; Organic Matrices (Dry ash at 450EC in Pt0 and dissolve oxide with HF or HCl).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	**Estimated D.L.**	**Order**	**Interferences** (underlined indicates severe)
ICP-MS 95 amu	3 ppt	n/a	40Ar39K16O,79Br1 6O,190Os2+,190Pt 2+
ICP-OES 202.030 nm	0.008 / 0.0002 µg/mL	1	Os, Hf
ICP-OES 203.844 nm	0.012 / 0.002 µg/mL	1	
ICP-OES 204.598 nm	0.012 / 0.001 µg/mL	1	Ir, Ta

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

July 17, 2022

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- July 17, 2027

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:

Uyen Truong
Supervisor, Product Documentation



Certificate Approved By:

Michael Booth
Director, Technical



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



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M5978, M5979

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1.0 ACCREDITATION / REGISTRATION

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ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Single Analyte Custom Grade Solution
Catalog Number:	CGTI1
Lot Number:	T2-TI719972
Matrix:	2% (v/v) HNO3 tr. HF
Value / Analyte(s):	1 000 µg/mL ea: Titanium
Starting Material:	Ti Metal
Starting Material Lot#:	2094
Starting Material Purity:	99.9975%

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 1002 ± 5 µg/mL

Density: 1.012 g/mL (measured at 20 ± 4 °C)

Assay Information:

Assay Method #1 **1002 ± 4 µg/mL**
ICP Assay NIST SRM 3162a Lot Number: 130925

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(\bar{x}_i)$

$\bar{x}_i$ = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance

$w_i = (1/u_{char\ i}^2) / (\Sigma(1/u_{char\ i}^2))$

CRM/RM Expanded Uncertainty (±) $= U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = (\Sigma(w_i)^2\,(u_{char\ i})^2)^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (\bar{x}_a)\,(u_{char\ a})$

$\bar{x}_a$ = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) $= U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

M	Ag	<	0.000536	M	Eu	<	0.000268	O	Na	<	0.032670	M	Se		0.001204	O	Zn	<	0.003267
O	Al		0.000872	O	Fe		0.003225	O	Nb	<	0.043560	O	Si		0.004735	O	Zr	<	0.043560
M	As	<	0.008586	M	Ga	<	0.000268	M	Nd	<	0.000268	M	Sm	<	0.000268				
M	Au	<	0.004577	M	Gd	<	0.000268	O	Ni	<	0.010890	M	Sn		0.000096				
O	B	<	0.008929	M	Ge	<	0.002146	M	Os	<	0.000269	O	Sr		0.000096				
M	Ba	<	0.002683	M	Hf		0.002161	O	P	<	0.054450	M	Ta		0.010560				
M	Be	<	0.005366	M	Hg	<	0.003231	M	Pb	<	0.001073	M	Tb	<	0.000268				
M	Bi	<	0.001609	M	Ho	<	0.000268	M	Pd	<	0.000268	M	Te	<	0.001341				
O	Ca		0.000676	M	In	<	0.002683	M	Pr	<	0.000268	M	Th	<	0.053663				
M	Cd	<	0.000268	M	Ir	<	0.000269	M	Pt	<	0.000536	s	Ti	<					
M	Ce	<	0.000268	M	K		0.001172	M	Rb	<	0.000268	M	Tl	<	0.000268				
M	Co	<	0.004293	M	La	<	0.000268	M	Re	<	0.000268	M	Tm	<	0.000268				
M	Cr		0.000752	O	Li	<	0.027225	M	Rh	<	0.000268	M	U	<	0.000268				
M	Cs	<	0.000268	M	Lu	<	0.000268	M	Ru	<	0.000269	M	V	<	0.019855				
O	Cu	<	0.010890	O	Mg	<	0.005445	i	S	<		M	W		0.000473				
M	Dy	<	0.000268	O	Mn	<	0.003267	M	Sb	<	0.006976	M	Y	<	0.002146				
M	Er	<	0.000268	M	Mo		0.000774	O	Sc	<	0.004900	M	Yb	<	0.000536				

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference
n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 47.87 +4 6 Ti(F)6-2

Chemical Compatibility - Soluble in concentrated HCl, HF, H3PO4 H2SO4 and HNO3. Avoid neutral to basic media. Unstable at ppm levels with metals that would pull F- away (i.e. Do not mix with Alkaline or Rare Earths or high levels of transition elements unless they are fluorinated). Stable with most inorganic anions with a tendency to hydrolyze forming the hydrated oxide in all dilute acids except HF.

Stability - 2-100 ppb levels stable (Alone or mixed with all other metals) as the Ti(F)6-2 for months in 1% HNO3 / LDPE container. 1-10,000 ppm single element solutions as the Ti(F)6-2 chemically stable for years in 2-5% HNO3 / trace HF in an LDPE container.

Ti Containing Samples (Preparation and Solution) - Metal (Soluble in H2O / HF caution -powder reacts violently); Oxide - low temperature history anatase or rutile (Dissolved by heating in 1:1:1 H2O / HF / H2SO4); Oxide - high temperature history (~800EC) brookite (fuse in Pt0 with K2S2O7); Ores (fuse in Pt0 with KF + K2S2O7 - no KF if silica not present); Organic Matrices (Dry ash at 450EC in Pt0 and dissolve by heating with 1:1:1 H2O / HF / H2SO4 or fuse ash with pyrosulfate if oxide is as plastic pigment and likely in brookite crystalline form).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	Estimated D.L.	Order	Interferences (underlined indicates severe)
ICP-MS 48 amu	14 ppt	N/A	32S16O, 32S14N, 14N16O18O, 14N17N2, 36Ar12C, 48Ca, [96X=2 (where X = Zr, Mo, Ru)]
ICP-OES 323.452 nm	0.0054 / 0.00092 µg/mL	1	Ce, Ar, Ni
ICP-OES 334.941 nm	0.0038 / 0.000028 µg/mL	1	Nb, Ta, Cr, U
ICP-OES 336.121 nm	0.0053 / 0.000034 µg/mL	1	W, Mo, Co

HF Note: This standard should not be prepared or stored in glass.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

June 17, 2022

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- June 17, 2027

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

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Certified Reference Material CRM

M5981 R:6/11/24

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CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:		
Part Number:	**57092**	24002546	Nitric Acid		
Lot Number:	**060724**				
Description:	**Uranium (U)**	2.0%	40.0 (mL)	Nitric Acid	
Expiration Date:	060727				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Volume shown below was diluted to (mL):	2000.07	0.100	Flask Uncertainty		

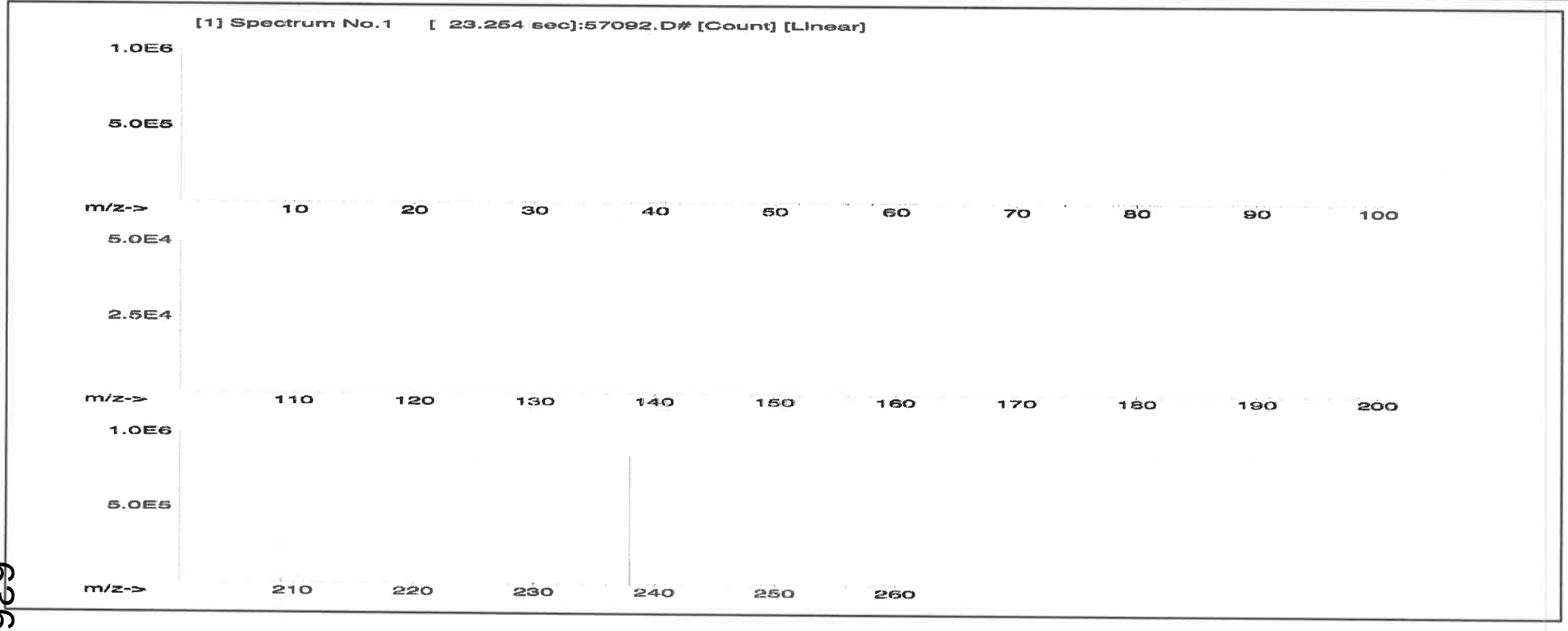
Giovanni Esposito

Formulated By:	Giovanni Esposito	060724

Pedro Rentas

Reviewed By:	Pedro L. Rentas	060724

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Uranyl nitrate hexahydrate (U)	58192	041524	0.1000	200.0	0.084	1000	10001.5	**1000.0**	**2.2**	13520-83-7	0.05 mg/m3	orl-rat 1040 mg/kg	3164



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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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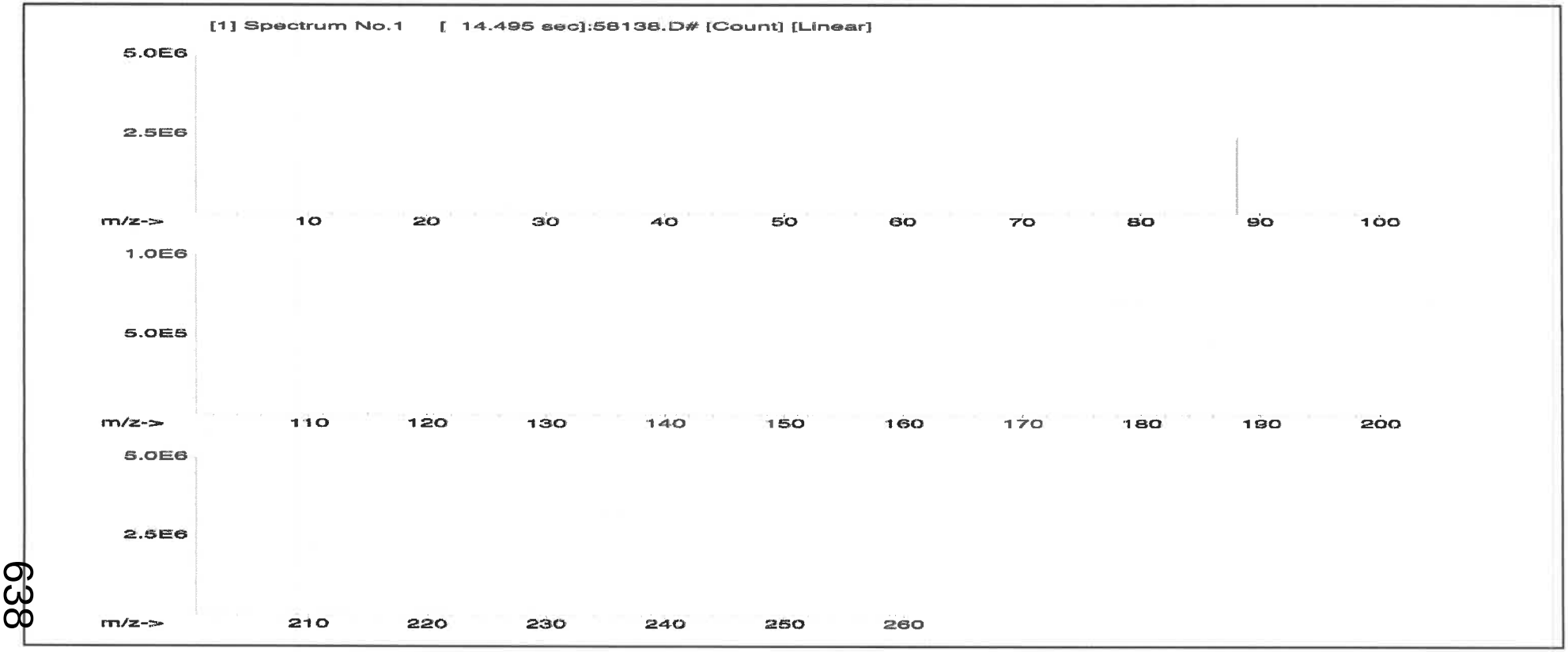
45982 R: 6/11/24

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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Certified Reference Material CRM

M5983 R: 6/11/24

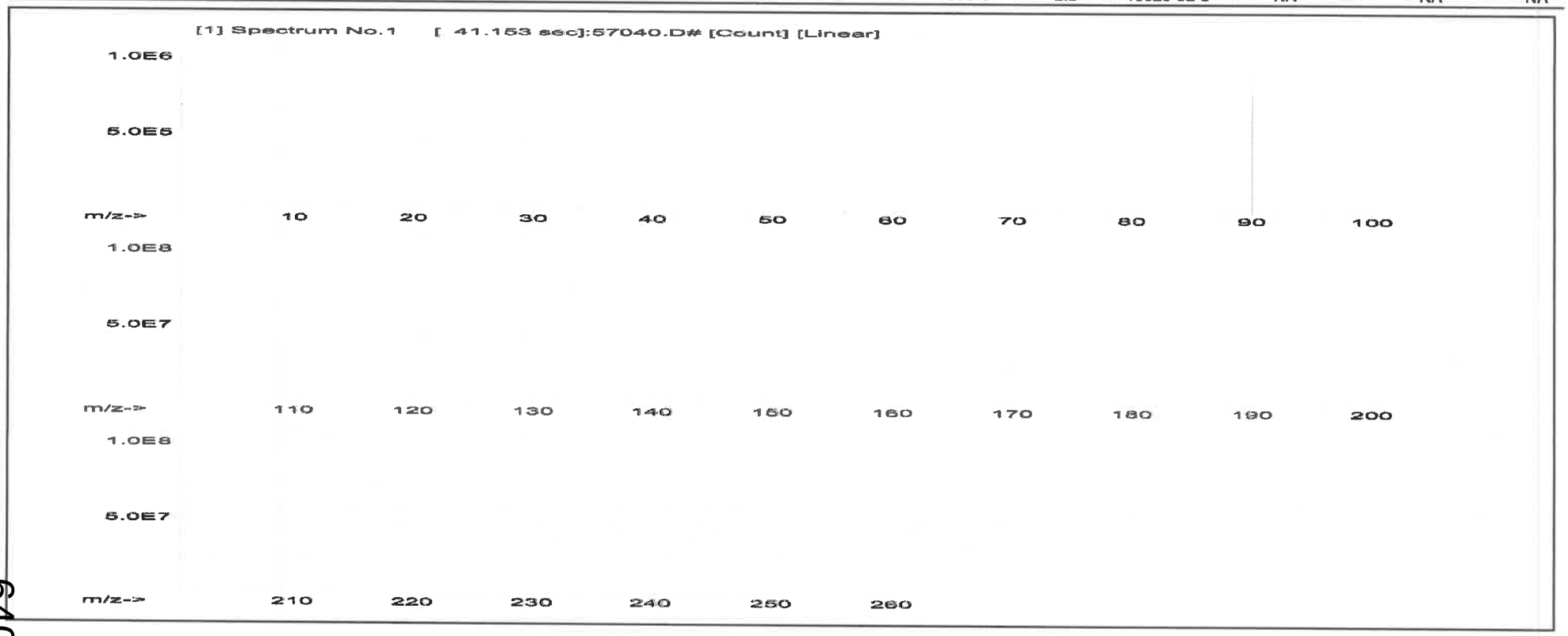
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CERTIFIED WEIGHT REPORT:

		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.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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Certified Reference Material CRM

R: 01/03/24 M6033

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CERTIFIED WEIGHT REPORT:

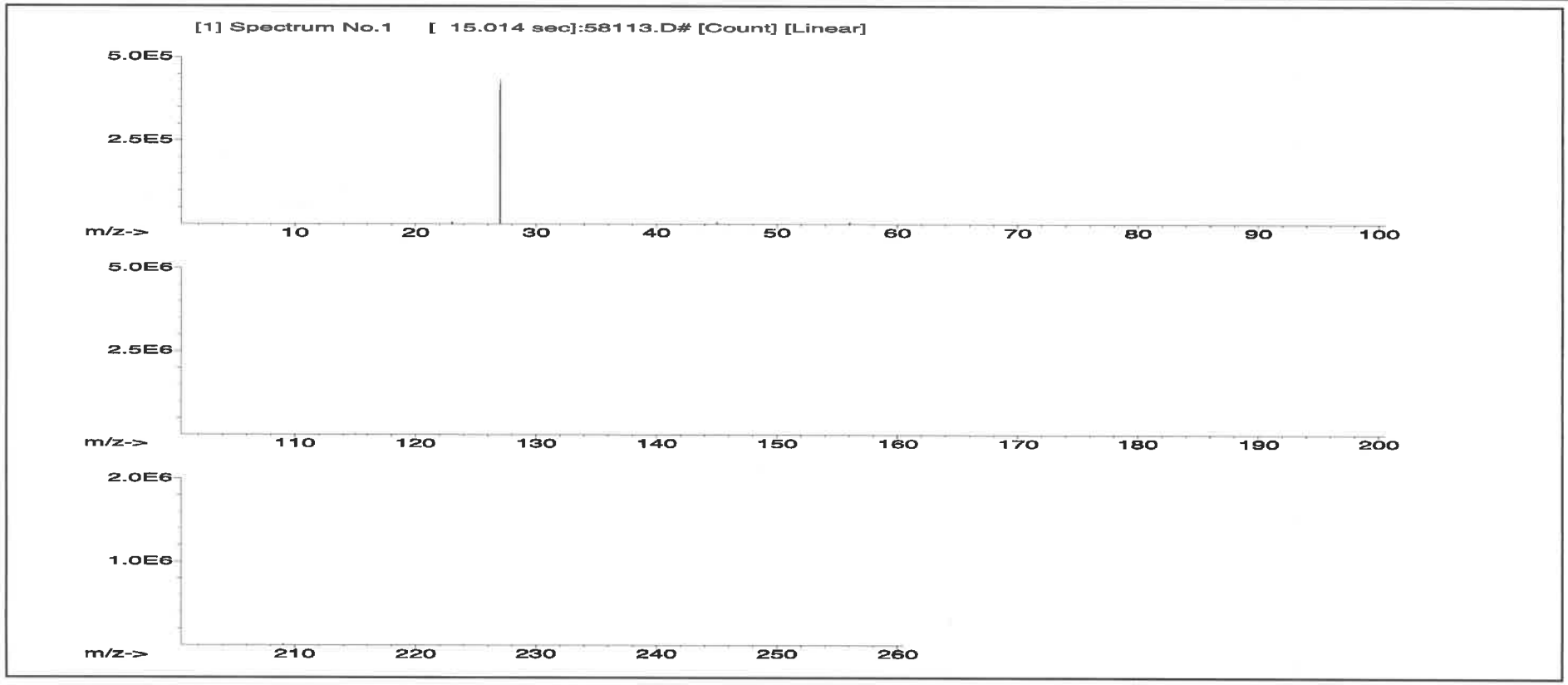
Part Number:	**58113**		**Solvent:**	20510011	Nitric Acid
Lot Number:	**011623**				
Description:	**Aluminum (Al)**				
			2%	40.0 (mL)	Nitric Acid
Expiration Date:	011626				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**10000**				
NIST Test Number:	6UTB	5E-05 Balance Uncertainty			
Weight shown below was diluted to (mL):	2000.02	0.058 Flask Uncertainty			

Lot #

Giovanni Esposito

Formulated By:	Giovanni Esposito	011623
Reviewed By:	Pedro L. Rentas	011623

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Aluminum nitrate nonahydrate (Al)	IN022	ALM112021A1	10000	99.999	0.10	7.30	273.9779	274.0078	**10001.1**	**20.0**	7784-27-2	2 mg/m3	orl-rat 3671 mg/kg	3101a



Nitric Acid 69%
CMOS

Recv date: 1. 1. – 08/01/2023

M6034, M6037
M6035, M6038,
M6036,

avantor™ | J.T.Baker®

Material No.: 9606-03
Batch No.: 24D1062002
Manufactured Date: 2024-03-26
Retest Date: 2029-03-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (HNO_3)	69.0 – 70.0 %	69.7 %
Appearance	Passes Test	Passes Test
Color (APHA)	≤ 10	5
Residue after Ignition	≤ 2 ppm	1 ppm
Chloride (Cl)	≤ 0.08 ppm	< 0.03 ppm
Phosphate (PO_4)	≤ 0.10 ppm	< 0.03 ppm
Sulfate (SO_4)	≤ 0.2 ppm	< 0.2 ppm
Trace Impurities – Aluminum (Al)	≤ 40.0 ppb	< 1.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 2.0 ppb
Trace Impurities – Barium (Ba)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Beryllium (Be)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Bismuth (Bi)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Boron (B)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Cadmium (Cd)	≤ 50 ppb	< 1 ppb
Trace Impurities – Calcium (Ca)	≤ 50.0 ppb	2.3 ppb
Trace Impurities – Chromium (Cr)	≤ 30.0 ppb	< 1.0 ppb
Trace Impurities – Cobalt (Co)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Copper (Cu)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Gallium (Ga)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Germanium (Ge)	≤ 20 ppb	< 10 ppb
Trace Impurities – Gold (Au)	≤ 20 ppb	< 5 ppb
Heavy Metals (as Pb)	≤ 100 ppb	100 ppb
Trace Impurities – Iron (Fe)	≤ 40.0 ppb	< 1.0 ppb
Trace Impurities – Lead (Pb)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Lithium (Li)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Magnesium (Mg)	≤ 20 ppb	< 1 ppb
Trace Impurities – Manganese (Mn)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Nickel (Ni)	≤ 20.0 ppb	< 5.0 ppb

>>> Continued on page 2 >>>

Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

Material No.: 9606-03
Batch No.: 24D1062002

Test	Specification	Result
Trace Impurities – Niobium (Nb)	≤ 50.0 ppb	< 1.0 ppb
Trace Impurities – Potassium (K)	≤ 50 ppb	16 ppb
Trace Impurities – Silicon (Si)	≤ 50 ppb	< 10 ppb
Trace Impurities – Silver (Ag)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Sodium (Na)	≤ 150.0 ppb	< 5.0 ppb
Trace Impurities – Strontium (Sr)	≤ 30.0 ppb	< 1.0 ppb
Trace Impurities – Tantalum (Ta)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Thallium (Tl)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Tin (Sn)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Titanium (Ti)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Vanadium (V)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Zinc (Zn)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Zirconium (Zr)	≤ 10.0 ppb	< 1.0 ppb
Particle Count – 0.5 µm and greater	≤ 60 par/ml	10 par/ml
Particle Count – 1.0 µm and greater	≤ 10 par/ml	3 par/ml

>>> Continued on page 3 >>>

Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

Material No.: 9606-03
Batch No.: 24D1062002

Test	Specification	Result

For Microelectronic Use

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Croak
Director Quality Operations, Bioscience Production

Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

Received — 08/01/2024
paper
M6039
M6040

Material No.: 9530-33
Batch No.: 24D1562005
Manufactured Date: 2024-03-18
Retest Date: 2029-03-17
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS - Assay (as HCl) (by acid-base titrn)	36.5 - 38.0 %	37.6 %
ACS - Color (APHA)	≤ 10	5
ACS - Residue after Ignition	≤ 3 ppm	< 1 ppm
ACS - Specific Gravity at 60°/60°F	1.185 - 1.192	1.192
ACS - Bromide (Br)	≤ 0.005 %	< 0.005 %
ACS - Extractable Organic Substances	≤ 5 ppm	< 1 ppm
ACS - Free Chlorine (as Cl_2)	≤ 0.5 ppm	< 0.5 ppm
Phosphate (PO_4)	≤ 0.05 ppm	0.03 ppm
Sulfate (SO_4)	≤ 0.5 ppm	< 0.3 ppm
Sulfite (SO_3)	≤ 0.8 ppm	0.3 ppm
Ammonium (NH_4)	≤ 3 ppm	< 1 ppm
Trace Impurities - Arsenic (As)	≤ 0.010 ppm	< 0.003 ppm
Trace Impurities - Aluminum (Al)	≤ 10.0 ppb	< 5.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 3.0 ppb
Trace Impurities - Barium (Ba)	≤ 1.0 ppb	< 1.0 ppb
Trace Impurities - Beryllium (Be)	≤ 1.0 ppb	< 1.0 ppb
Trace Impurities - Bismuth (Bi)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities - Boron (B)	≤ 20.0 ppb	2.2 ppb
Trace Impurities - Cadmium (Cd)	≤ 1.0 ppb	< 1.0 ppb
Trace Impurities - Calcium (Ca)	≤ 50.0 ppb	31.0 ppb
Trace Impurities - Chromium (Cr)	≤ 1.0 ppb	0.5 ppb
Trace Impurities - Cobalt (Co)	≤ 1.0 ppb	0.2 ppb
Trace Impurities - Copper (Cu)	≤ 1.0 ppb	< 0.1 ppb
Trace Impurities - Gallium (Ga)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities - Germanium (Ge)	≤ 3.0 ppb	< 2.0 ppb
Trace Impurities - Gold (Au)	≤ 4.0 ppb	< 0.2 ppb
Heavy Metals (as Pb)	≤ 100 ppb	< 50 ppb
Trace Impurities - Iron (Fe)	≤ 15 ppb	3 ppb

>>> Continued on page 2 >>>

Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

Material No.: 9530-33
Batch No.: 24D1562005

Test	Specification	Result
Trace Impurities – Lead (Pb)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Lithium (Li)	≤ 1.0 ppb	< 0.1 ppb
Trace Impurities – Magnesium (Mg)	≤ 10.0 ppb	2.2 ppb
Trace Impurities – Manganese (Mn)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Mercury (Hg)	≤ 0.5 ppb	< 0.1 ppb
Trace Impurities – Molybdenum (Mo)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Nickel (Ni)	≤ 4.0 ppb	0.2 ppb
Trace Impurities – Niobium (Nb)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Potassium (K)	≤ 9.0 ppb	< 1.0 ppb
Trace Impurities – Selenium (Se), For Information Only		< 1.0 ppb
Trace Impurities – Silicon (Si)	≤ 100.0 ppb	< 10.0 ppb
Trace Impurities – Silver (Ag)	≤ 1.0 ppb	< 0.3 ppb
Trace Impurities – Sodium (Na)	≤ 100.0 ppb	2.0 ppb
Trace Impurities – Strontium (Sr)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Tantalum (Ta)	≤ 1.0 ppb	< 0.9 ppb
Trace Impurities – Thallium (Tl)	≤ 5.0 ppb	< 2.0 ppb
Trace Impurities – Tin (Sn)	≤ 5.0 ppb	< 0.4 ppb
Trace Impurities – Titanium (Ti)	≤ 1.0 ppb	0.2 ppb
Trace Impurities – Vanadium (V)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Zinc (Zn)	≤ 5.0 ppb	< 0.2 ppb
Trace Impurities – Zirconium (Zr)	≤ 1.0 ppb	< 0.1 ppb

>>> Continued on page 3 >>>

Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

Material No.: 9530-33
Batch No.: 24D1562005

Test	Specification	Result

For Laboratory,Research,or Manufacturing Use
Product Information (not specifications):
Appearance (clear, fuming liquid)
Meets ACS Specifications
Storage Condition: Store below 25 °C.

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Croak
Director Quality Operations, Bioscience Production

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Refine your results. Redefine your industry.

Certificate of Analysis

R 8/19/24, M60055

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1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	IV-STOCK-12
Lot Number:	U2-MEB734294
Matrix:	5% (v/v) HNO3
Value / Analyte(s):	10 µg/mL ea:

Barium, Beryllium,
Bismuth, Cerium,
Cobalt, Indium,
Lithium, Nickel,
Lead, Uranium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Barium, Ba	10.01 ± 0.04 µg/mL	Beryllium, Be	10.01 ± 0.05 µg/mL
Bismuth, Bi	10.01 ± 0.06 µg/mL	Cerium, Ce	10.01 ± 0.04 µg/mL
Cobalt, Co	10.01 ± 0.05 µg/mL	Indium, In	10.01 ± 0.04 µg/mL
Lead, Pb	10.00 ± 0.04 µg/mL	Lithium, Li	10.01 ± 0.04 µg/mL
Nickel, Ni	10.01 ± 0.04 µg/mL	Uranium, U	10.01 ± 0.05 µg/mL

Density: 1.025 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ba	ICP Assay	3104a	140909
Ba	Calculated		See Sec. 4.2
Ba	Gravimetric		See Sec. 4.2
Be	ICP Assay	3105a	090514
Be	Calculated		See Sec. 4.2
Bi	ICP Assay	3106	180815
Ce	ICP Assay	3110	160830
Ce	EDTA	928	928
Ce	Calculated		See Sec. 4.2
Co	ICP Assay	3113	190630
Co	EDTA	928	928
Co	Calculated		See Sec. 4.2
In	ICP Assay	3124a	110516
In	EDTA	928	928
In	Calculated		See Sec. 4.2
Li	ICP Assay	3129a	100714
Li	Calculated		See Sec. 4.2
Li	Gravimetric		See Sec. 4.2
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
Ni	Calculated		See Sec. 4.2
Pb	ICP Assay	3128	101026
Pb	EDTA	928	928
Pb	Calculated		See Sec. 4.2
U	ICP Assay	traceable to 3164	R2-U689597
U	Calculated		See Sec. 4.2

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Certified Abundance:

IV's Certified Abundance

Isotope	Atom %
Uranium 238U	99.8 ± 0.1
Uranium 235U	0.19 ± 0.05

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

June 21, 2023

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- June 21, 2028

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

R: 01/03/24 M5806, M5807

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

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CERTIFIED WEIGHT REPORT:

			Lot #	
Part Number:	**58111**	**Solvent:**	24002546	Nitric Acid
Lot Number:	**122223**			
Description:	**Sodium (Na)**	2%	60.0 (mL)	Nitric Acid
Expiration Date:	122226			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**10000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Weight shown below was diluted to (mL):	3000.4	0.06	Flask Uncertainty	

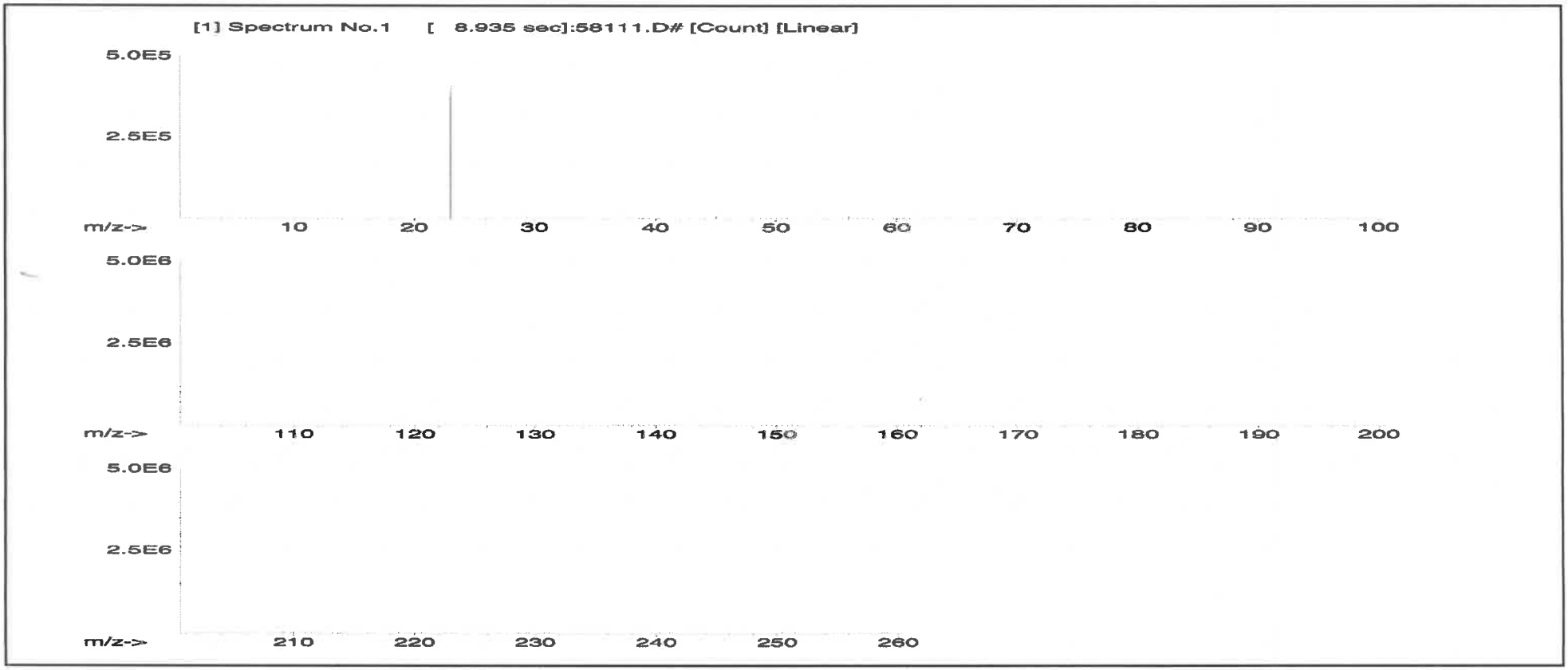
Aleah O'Brady

Formulated By:	Aleah O'Brady	122223

Pedro Rentas

Reviewed By:	Pedro L. Rentas	122223

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Sodium nitrate (Na)	IN036	NAV012015I1	10000	99.999	0.10	26.9	111.5406	111.5479	**10000.7**	**20.0**	7631-99-4	5 mg/m3	orl-rat 3430 mg/kg	3152a



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	T	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:



* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

INORGANIC VENTURES

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A: 4/11/22

Certificate of Analysis

M5738, M5739, M5740, M5741, M5742, M5743

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1.0 ACCREDITATION / REGISTRATION

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ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	6020ISS
Lot Number:	S2-MEB709511
Matrix:	7% (v/v) HNO3
Value / Analyte(s):	10 µg/mL ea:

Bismuth, Holmium,
Indium, 6-Lithium,
Rhodium, Scandium,
Terbium, Yttrium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
6-Lithium, Li6	10.00 ± 0.03 µg/mL	Bismuth, Bi	10.00 ± 0.05 µg/mL
Holmium, Ho	10.00 ± 0.05 µg/mL	Indium, In	10.00 ± 0.04 µg/mL
Rhodium, Rh	10.00 ± 0.07 µg/mL	Scandium, Sc	10.00 ± 0.04 µg/mL
Terbium, Tb	10.00 ± 0.04 µg/mL	Yttrium, Y	10.00 ± 0.04 µg/mL

Density: 1.035 g/mL (measured at 20 ± 4 °C)

Assay Information:

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.

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2700 Chandler Avenue - Building C
Las Vegas, NV 89120

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ICSA-0803, Inferferents: Pipet 10 mL of the ICSA solution into a 100 mL volumetric flask and dilute to volume with 1% v/v HNO_3. Analyze this solution by ICP-MS.

ICSB-0803, Analytes, mixed with ICSA-0803, Interferents: Pipet 10 mL of the ICSA solution and 10 mL of the ICSB solution into a 100 mL volumetric flask and dilute to volume with 1% v/v HNO_3. Analyze this ICSAB solution by ICP-MS.

(D) *"CERTIFIED VALUE" CONCENTRATIONS OF QATS ICP-MS ICS SOLUTION(S)*

The "Certified Value" concentrations of the elements, listed in Table 1 below, were derived from statistically pooled analysis results from the following sources, if available: QATS Laboratory, CLP laboratories, Quarterly Blind (QB)/Proficiency Testing (PT) events, CLP pre-award events, and external referee laboratories.

Table 1. "CERTIFIED VALUES" FOR INTERFERENCE CHECK SAMPLE ICP-MS ICSA-0803, AND ICSA-0803 MIXED WITH ICSB-0803

ICSA: M5873

ICSB: M5874

Element	CRQL	Part A (µg/L)	Lower Limit (µg/L)	Upper Limit (µg/L)	Part A +Part B (µg/L)	Lower Limit (µg/L)	Upper Limit (µg/L)
Al	20.0	[100000]			[100000]		
Sb	2.0	(1.5)	-2.5	5.5	(22.0)	18.0	26.0
As	1.0	(0.1)	-1.9	2.1	19.0	16.2	21.9
Ba	10.0	(1.2)	-18.8	21.2	(22.0)	2.0	42.0
Be	1.0	(0)	-2.0	2.0	19.0	16.2	21.9
Cd	1.0	(0.7)	-1.3	2.7	20.0	17.0	23.0
Ca	500	[100000]			[100000]		
C		[200000]			[200000]		
Cl		[1000000]			[1000000]		
Cr	2.0	(21.0)	17.0	25.0	40.0	34.0	46.0
Co	1.0	(1.0)	-1.0	3.0	20.0	17.0	23.0
Cu	2.0	(8.0)	4.0	12.0	(25.0)	21.0	29.0
Fe	200	[100000]			[100000]		
Pb	1.0	(4.0)	2.0	6.0	25.0	21.3	28.8
Mg	500	[100000]			[100000]		
Mn	1.0	(7.0)	5.0	9.0	27.0	23.0	31.1
Mo		[2000]			[2000]		
Ni	1.0	(6.0)	4.0	8.0	24.0	20.4	27.6
P		[100000]			[100000]		
K	500	[100000]			[100000]		
Se	5.0	(0.3)	-9.7	10.3	(19.0)	9.0	29.0
Ag	1.0	(0)	-2.0	2.0	18.0	15.3	20.7
Na	500	[100000]			[100000]		
S		[100000]			[100000]		
Tl	1.0	(0)	-2.0	2.0	21.0	17.9	24.2
Ti		[2000]			[2000]		
V	5.0	(0.5)	-9.5	10.5	(19.0)	9.0	29.0
Zn	5.0	(11.0)	1.0	21.0	(29.0)	19.0	39.0

[ ] Indicates analytes that do not require ICP-MS determination in the ICS.
The acceptance ranges for all analytes in parentheses in the above table were determined using the listed certified value ± 2 times the associated CLP SOW CRQL. The acceptance ranges for all other analytes were determined using the certified value ± 15 percent of the listed certified value.

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Certified Reference Material CRM

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AR-1539 Certificate Number
https://Absolutestandards.com

R: 01/03/24 M5802, M5803

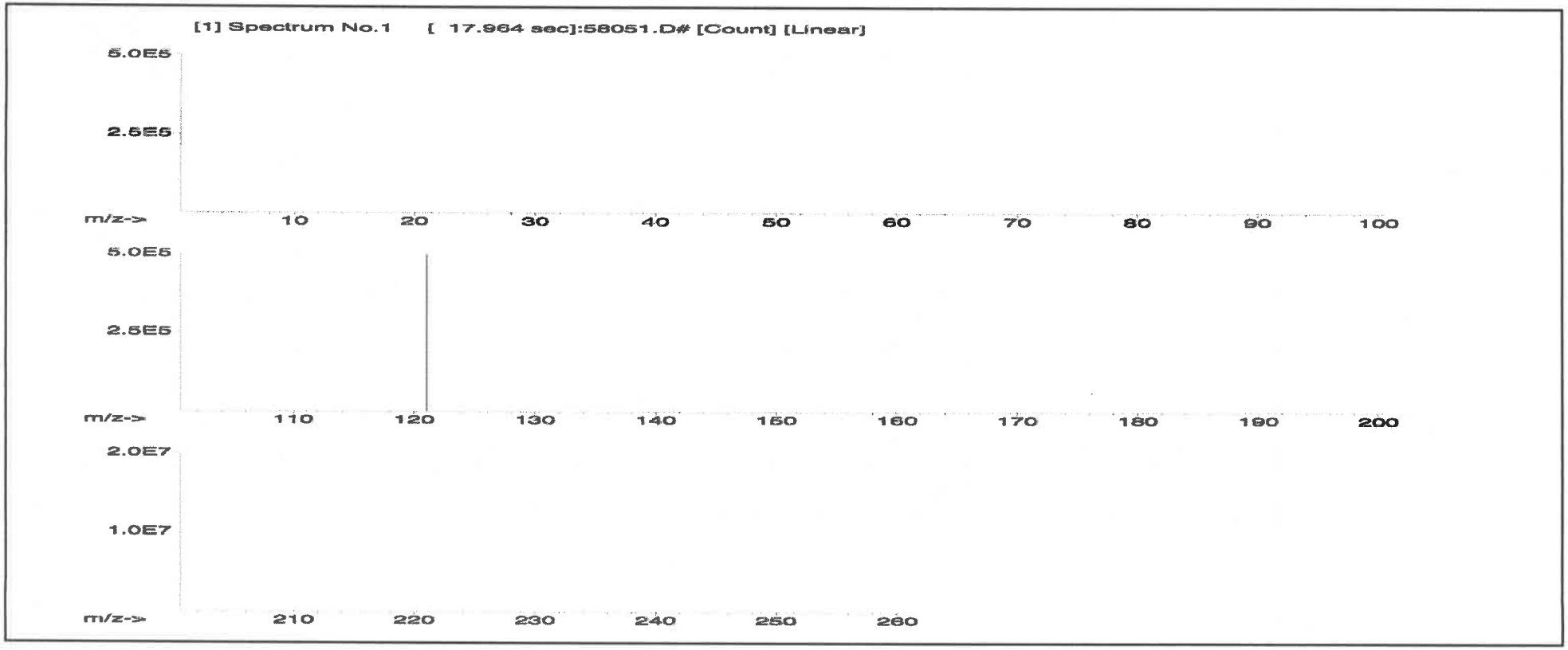
663

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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Certified Reference Material CRM

M6030

R: 8/5/24

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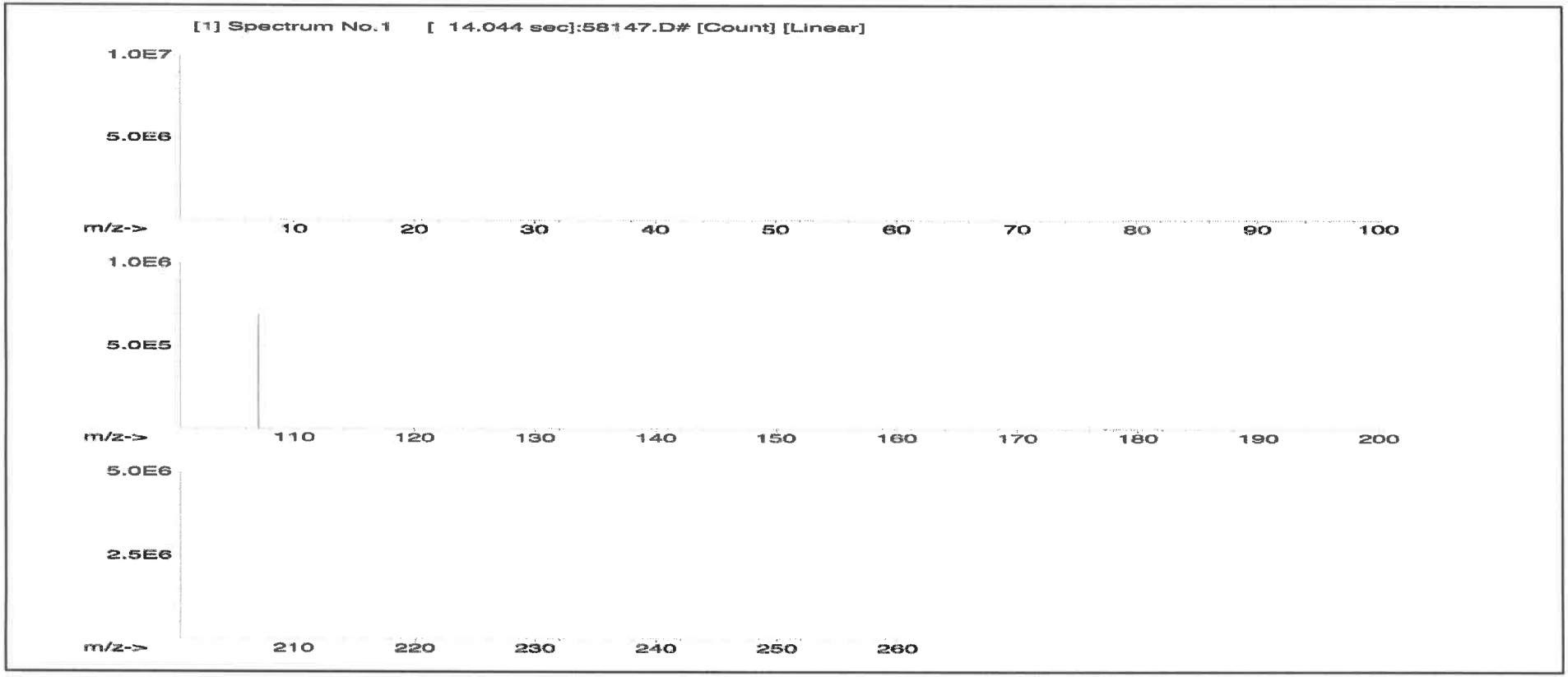
665

CERTIFIED WEIGHT REPORT:

Part Number:	**57047**			**Lot #**	
Lot Number:	**122823**	**Solvent:**	24002546	Nitric Acid	
Description:	**Silver (Ag)**	2%	80.0 (mL)	Nitric Acid	
Expiration Date:	122826				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	4000.30	0.058	Flask Uncertainty		

Formulated By:	Benson Chan	122823
Reviewed By:	Pedro L. Rentas	122823

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Silver nitrate (Ag)	IN035	J0612AGA1	1000.0	99.9999	0.10	63.7	6.27992	6.27998	**1000.0**	**2.0**	7761-88-8	10 ug/m3	NA	3151



999

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	T	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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Certified Reference Material CRM

R: 03/16/23 M5473, M5474, M5475, M5476

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AR-1539 Certificate Number
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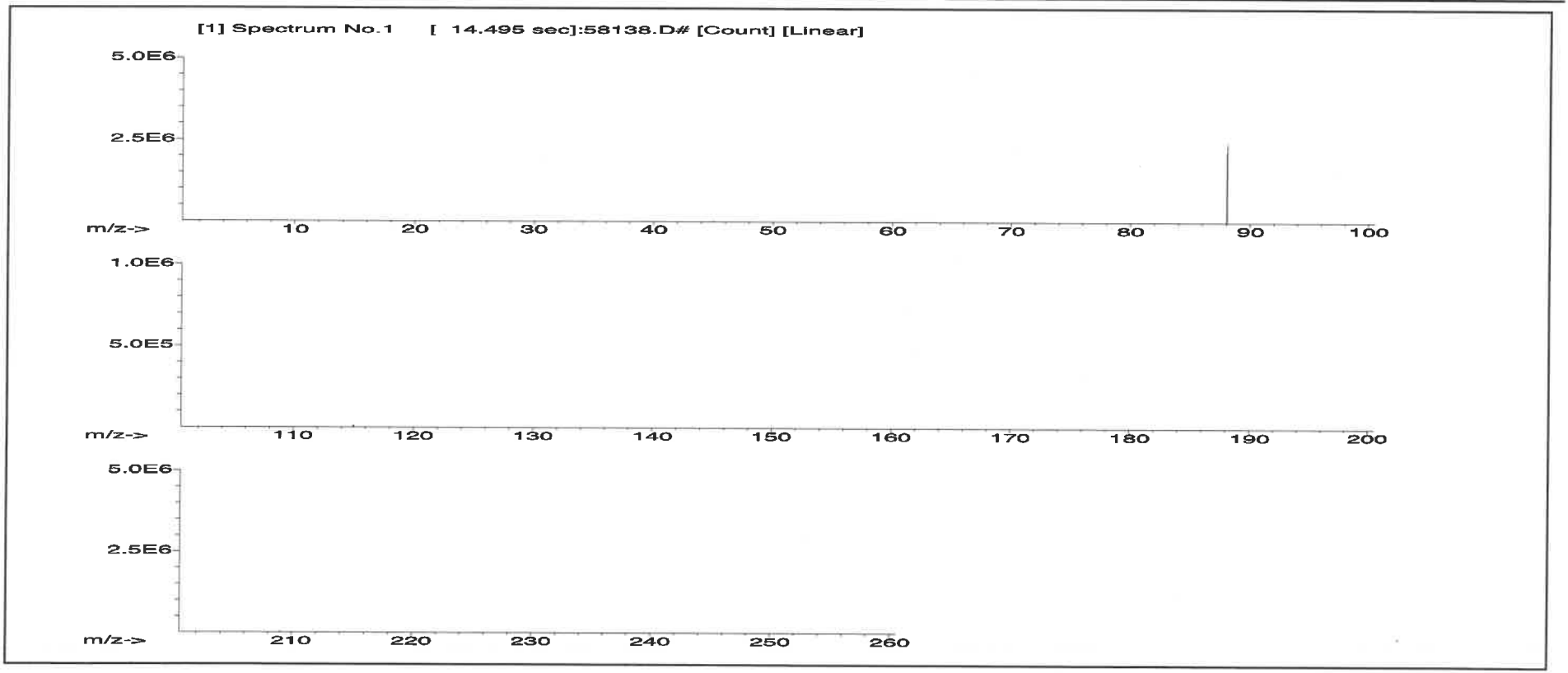
799

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



898

Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	T	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

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* 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

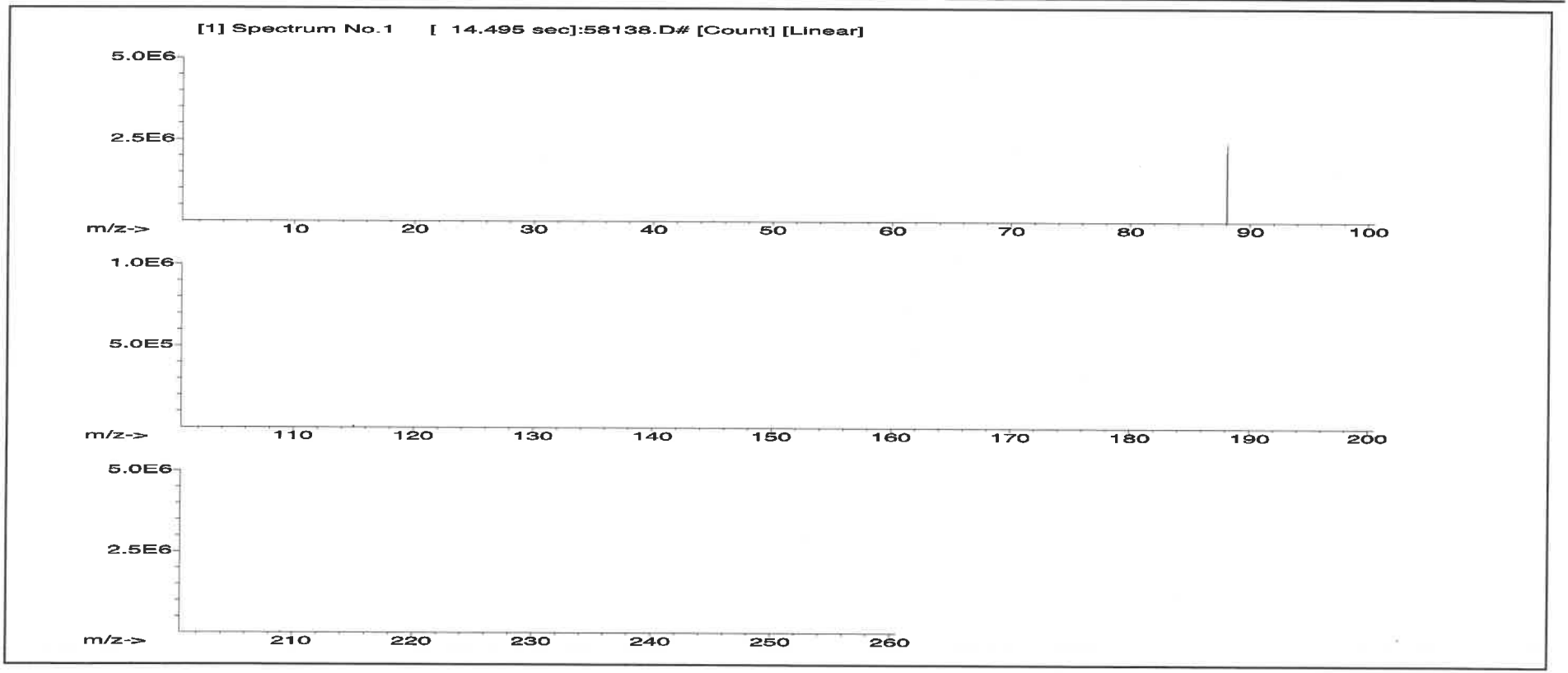
699

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



670

Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	T	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

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M6023

R ! 8/5/24

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671

CERTIFIED WEIGHT REPORT:

Part Number:	**57081**		**Lot #**		
Lot Number:	**062724**	**Solvent:**	24002546	Nitric Acid	
Description:	**Thallium (Tl)**	2%	40.0 (mL)	Nitric Acid	
Expiration Date:	062727				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.1	0.10	Flask Uncertainty		

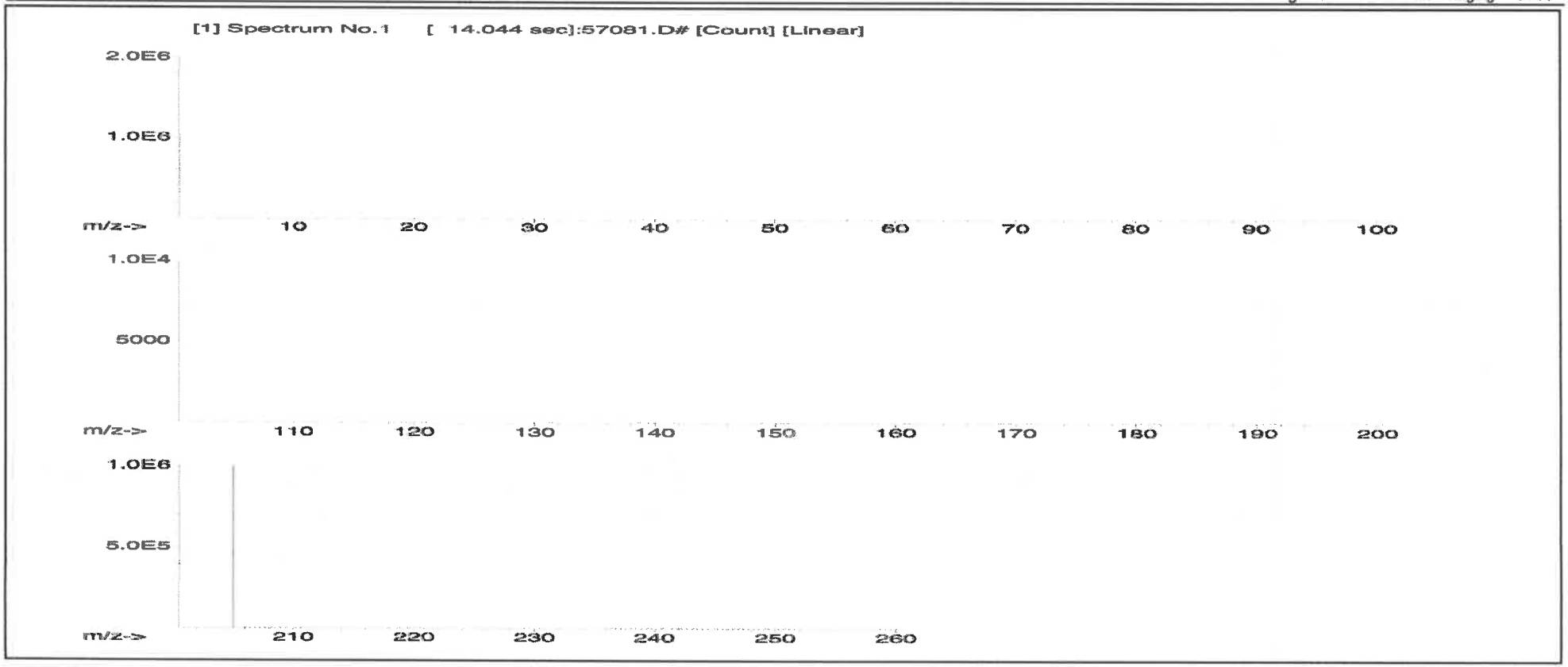
Aleah O'Brady

Formulated By:	Aleah O'Brady	062724

Pedro Rentas

Reviewed By:	Pedro L. Rentas	062724

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Thallium nitrate (Tl)	IN037	BCCF4399	1000	99.999	0.10	77.0	2.5975	2.5977	**1000.1**	**2.0**	10102-45-1	0.1 mg/m3	orl-mus 15mg/kg	3158



672

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	T	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:



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Rc. 8/5/24

673

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:	
Part Number:	**57023**			
Lot Number:	**062424**			
Description:	**Vanadium (V)**	24002546	Nitric Acid	
		2.0%	40.0 (mL)	Nitric Acid
Expiration Date:	062427			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Volume shown below was diluted to (mL):	2000.3	0.06	Flask Uncertainty	

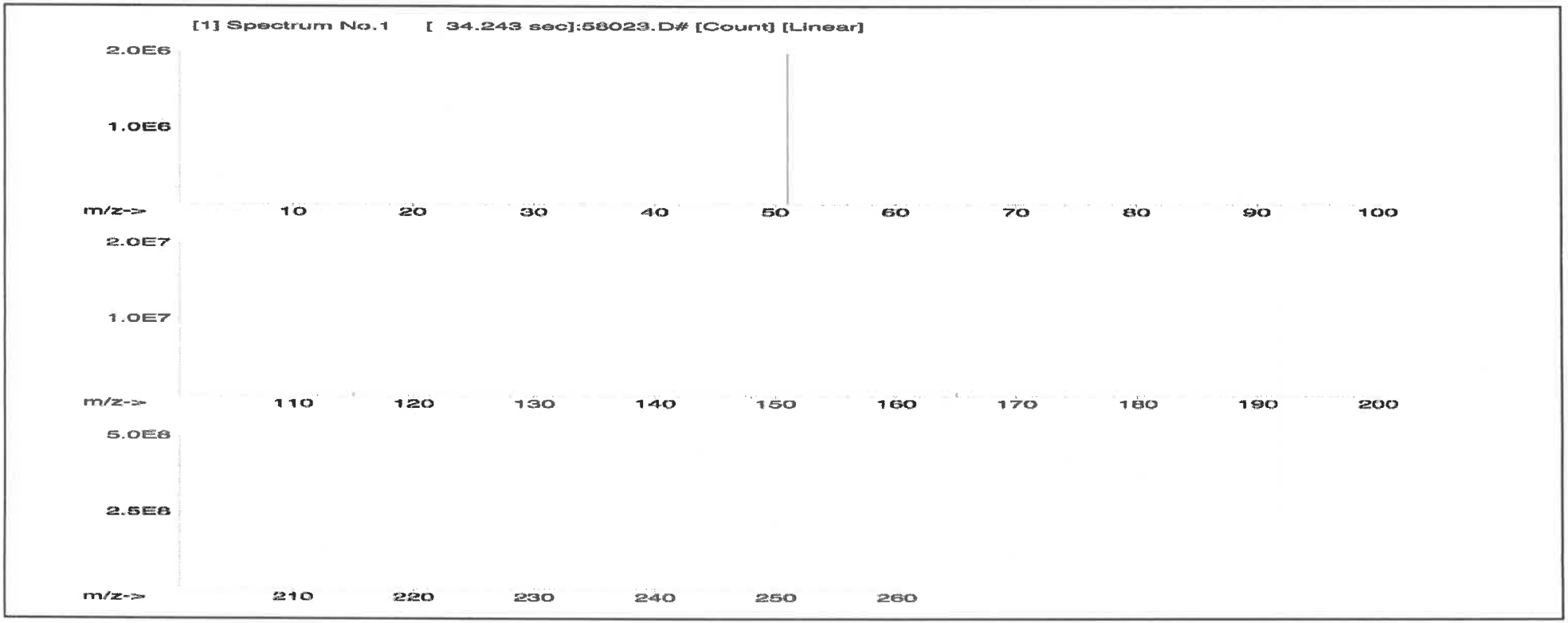
Aleah O'Brady

Formulated By:	Aleah O'Brady	062424

Pedro Rentas

Reviewed By:	Pedro L. Rentas	062424

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Ammonium metavanadate (V)	58123	021224	0.1000	200.0	0.084	1000	10000.3	**1000.0**	**2.2**	7803-55-6	0.05 mg/m3	orl-rat 58.1mg/kg	3165



674

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

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Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB163817

SOP ID : M3050B-Digestion-20, MSFAM01.1-Metals ICPMS-2

SDG No : MYD5X5

Matrix : SOIL

Pippete ID: ICP A

Balance ID : M SC-2

Filter paper ID : N/A

pH Strip ID : N/A

Hood ID : #3

Block ID: 1. HOT BLOCK #5 2. N/A

Start Digest Date: 10/01/2024 **Time :** 13:00 **Temp :** 97 °C

End Digest Date: 10/01/2024 **Time :** 16:00 **Temp :** 97 °C

Digestion tube ID: M6054

Block thermometer ID: MET-DIG. #5

Dig Technician Signature: gpp

Supervisor Signature:

Temp : 1. 97°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
LCSS	1.00mL	MP82583
LCSSD	0.50ml	MP82583
Spike Sol 1	0.3mL,0.3mL,0.027mL	M5565,M5657,M5962
Spike Sol 2	1.5mL,1.5mL,0.135mL	M5565,M5657,M5962
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
1:1 HNO3	10.00ml	MP81119
1:1 HCL	5.00ml	MP82127
CONC: HNO3	5.00ml	M6037
30% H2O2	3.00ml	M5634
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

HOT BLOCK #5 CELL #34 : 97 C
For Spike Sol 1-0.3ml each M5565,M5657,0.027mL M5962
For Spike Sol 2-1.5mL each M5565,M5657,0.135mL M5962

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/1/24 16:30	gpp / Met dig	
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB163817

Lab Sample ID	Client Sample ID	pH	Initial Weight (g)	Final Vol (ml)	Color Before	Color After	Texture	Artifact	Comment	Prep Pos
P2827-01	MYD5X4	N/A	1.39	500	Brown	Yellow	Medium	N/A	N/A	1
P2827-02	MYD5X5	N/A	1.31	500	Brown	Yellow	Medium	N/A	N/A	2
P2827-03	MYD5X6	N/A	1.46	500	Brown	Yellow	Medium	N/A	N/A	3
P2827-04	MYD5X7	N/A	1.23	500	Brown	Yellow	Medium	N/A	N/A	4
P2827-05	MYD5X8	N/A	1.45	500	Brown	Yellow	Medium	N/A	N/A	5
P2827-06	MYD5X9	N/A	1.26	500	Brown	Yellow	Medium	N/A	N/A	6
P2827-07	MYD5Y0	N/A	1.42	500	Brown	Yellow	Medium	N/A	N/A	7
P2827-08	MYD5Y1	N/A	1.30	500	Brown	Yellow	Medium	N/A	N/A	8
P2827-09	MYD5Y2	N/A	1.28	500	Brown	Yellow	Medium	N/A	N/A	9
P2827-10	MYD5Y3	N/A	1.36	500	Brown	Yellow	Medium	N/A	N/A	10
P2827-10MS	MYD5Y3MS RE- JPP 10/1/24	N/A	1.27	500	Brown	Yellow	Medium	N/A	M5565,M5657,M5962	11
~~P2827-10MSD~~	~~MYD5Y3MSD~~	~~N/A~~	~~N/A~~	~~N/A~~	~~Brown~~	~~Yellow~~	~~Medium~~	~~N/A~~	~~N/A~~ JPP 10/1/24	12
P2827-11	MYD5Y3D	N/A	1.36	500	Brown	Yellow	Medium	N/A	N/A	13
P2827-12	MYD5Y3S	N/A	1.40	500	Brown	Yellow	Medium	N/A	M5565,M5657,M5962	14
P2827-13	MYD5Y4	N/A	1.36	500	Brown	Yellow	Medium	N/A	N/A	15
P2827-14	MYD5Y5	N/A	1.30	500	Brown	Yellow	Medium	N/A	N/A	16
P2827-15	MYD5Y6	N/A	1.22	500	Brown	Yellow	Medium	N/A	N/A	17
P2827-16	MYD5Y7	N/A	1.45	500	Brown	Yellow	Medium	N/A	N/A	18
P2827-17	MYD5Y8	N/A	1.27	500	Brown	Yellow	Medium	N/A	N/A	19
P2827-18	MYD5Y9	N/A	1.39	500	Brown	Yellow	Medium	N/A	N/A	20
PB163817BL	PBS817	N/A	1.00	500	Colorless	Colorless	Fine	N/A	N/A	21
PB163817BS	LCS817	N/A	1.00	500	Colorless	Colorless	Fine	N/A	MP82583	22
PB163817BSD	LCSD817	N/A	1.00	500	Colorless	Colorless	Fine	N/A	MP82583	23

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 # LB132882

Review By	Sarabjit Jaswal	Review On	10/19/2024 6:45:09 AM
Supervise By	Mohan Bera	Supervise On	10/19/2024 6:45:43 AM

STD. NAME	STD REF.#
ICAL Standard	MP82568,MP82577,MP82576,MP82574,MP82573,MP82572,MP82571,MP82570,MP82569
ICV Standard	MP82578
CCV Standard	MP82579
ICSA Standard	MP82580,MP82581
CRI Standard	
LCS Standard	MP82583
Chk Standard	MP82587,MP82586

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	TUNE	TUNE001	TUNE	10/08/24 09:30		Jaswal	OK
2	S00	S0	CAL1	10/08/24 10:32		Jaswal	OK
3	S02	S02	CAL3	10/08/24 10:35		Jaswal	OK
4	S03	S03	CAL4	10/08/24 10:38		Jaswal	OK
5	S04	S04	CAL5	10/08/24 10:41		Jaswal	OK
6	S05	S05	CAL6	10/08/24 10:44		Jaswal	OK
7	S06	S06	CAL7	10/08/24 10:48		Jaswal	OK
8	S07	S07	CAL8	10/08/24 10:51		Jaswal	OK
9	S08	S08	CAL9	10/08/24 10:54		Jaswal	OK
10	ICV001	ICV001	ICV	10/08/24 11:15		Jaswal	OK
11	ICB001	ICB001	ICB	10/08/24 11:19		Jaswal	OK
12	ICSA001	ICSA001	ICSA	10/08/24 11:22		Jaswal	OK
13	ICSAB001	ICSAB001	ICSAB	10/08/24 11:25		Jaswal	OK
14	CCV001	CCV001	CCV	10/08/24 11:31		Jaswal	OK
15	CCB001	CCB001	CCB	10/08/24 11:34		Jaswal	OK
16	PB163817BL	PBS817	MB	10/08/24 11:41		Jaswal	OK
17	PB163817BS	LCS817	LCS	10/08/24 11:48		Jaswal	OK
18	PB163817BSD	LCSD817	LCSD	10/08/24 11:51		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 # LB132882

Review By	Sarabjit Jaswal	Review On	10/19/2024 6:45:09 AM
Supervise By	Mohan Bera	Supervise On	10/19/2024 6:45:43 AM

STD. NAME	STD REF.#
ICAL Standard	MP82568,MP82577,MP82576,MP82574,MP82573,MP82572,MP82571,MP82570,MP82569
ICV Standard	MP82578
CCV Standard	MP82579
ICSA Standard	MP82580,MP82581
CRI Standard	
LCS Standard	MP82583
Chk Standard	MP82587,MP82586

19	PB163819BL	PBS819	MB	10/08/24 11:55	Not Use	Jaswal	Not Ok
20	PB163819BS	LCS819	LCS	10/08/24 11:58	Not Use	Jaswal	Not Ok
21	PB163819BSD	LCSD819	LCSD	10/08/24 12:01	Not Use	Jaswal	Not Ok
22	PB163773BL	PBS773	MB	10/08/24 12:05	Not Use	Jaswal	Not Ok
23	PB163773BS	LCS773	LCS	10/08/24 12:08	Not Use	Jaswal	Not Ok
24	PB163773BSD	LCSD773	LCSD	10/08/24 12:11	Not Use	Jaswal	Not Ok
25	P2827-01	MYD5X4	SAM	10/08/24 12:15		Jaswal	OK
26	P2827-02	MYD5X5	SAM	10/08/24 12:18		Jaswal	OK
27	P2827-03	MYD5X6	SAM	10/08/24 12:21		Jaswal	OK
28	P2827-04	MYD5X7	SAM	10/08/24 12:24		Jaswal	OK
29	P2827-05	MYD5X8	SAM	10/08/24 12:27		Jaswal	OK
30	P2827-06	MYD5X9	SAM	10/08/24 12:30		Jaswal	OK
31	P2827-07	MYD5Y0	SAM	10/08/24 12:33		Jaswal	OK
32	P2827-08	MYD5Y1	SAM	10/08/24 12:36		Jaswal	OK
33	P2827-09	MYD5Y2	SAM	10/08/24 12:39		Jaswal	OK
34	P2827-10	MYD5Y3	SAM	10/08/24 12:42	Ba,Co,Ni,V High in MSRE	Jaswal	Dilution
35	P2827-11	MYD5Y3D	DUP	10/08/24 12:46	Ba,Co,Ni,V High in MSRE	Jaswal	Dilution
36	P2827-10L	MYD5Y3L	SD	10/08/24 12:49	Ba,Co,Ni,V High in MSRE	Jaswal	Dilution
37	P2827-12	MYD5Y3S	MS	10/08/24 12:52	Ba,Co,Ni,V High in MSRE	Jaswal	Dilution
38	P2827-10MS	MYD5Y3SRE	MS	10/08/24 12:55	Ba,Co,Ni,V High	Jaswal	Dilution

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Supervise By	Mohan Bera	Supervise On	10/19/2024 6:45:43 AM

STD. NAME	STD REF.#
ICAL Standard	MP82568,MP82577,MP82576,MP82574,MP82573,MP82572,MP82571,MP82570,MP82569
ICV Standard	MP82578
CCV Standard	MP82579
ICSA Standard	MP82580,MP82581
CRI Standard	
LCS Standard	MP82583
Chk Standard	MP82587,MP82586

39	P2827-13	MYD5Y4	SAM	10/08/24 12:58		Jaswal	OK
40	P2827-14	MYD5Y5	SAM	10/08/24 13:01		Jaswal	OK
41	P2827-15	MYD5Y6	SAM	10/08/24 13:04		Jaswal	OK
42	P2827-16	MYD5Y7	SAM	10/08/24 13:07		Jaswal	OK
43	P2827-17	MYD5Y8	SAM	10/08/24 13:10		Jaswal	OK
44	P2827-18	MYD5Y9	SAM	10/08/24 13:14		Jaswal	OK
45	CCV002	CCV002	CCV	10/08/24 13:17		Jaswal	OK
46	CCB002	CCB002	CCB	10/08/24 13:20		Jaswal	OK
47	P2829-01	MYD5T2	SAM	10/08/24 13:41	Not Use	Jaswal	Not Ok
48	P2829-02	MYD5T3	SAM	10/08/24 13:44	Not Use	Jaswal	Not Ok
49	P2829-03	MYD5T4	SAM	10/08/24 13:47	Not Use	Jaswal	Not Ok
50	P2829-04	MYD5T5	SAM	10/08/24 13:50	Not Use	Jaswal	Not Ok
51	P2829-05	MYD5T6	SAM	10/08/24 13:53	Not Use	Jaswal	Not Ok
52	P2829-06	MYD5T7	SAM	10/08/24 13:56	Not Use	Jaswal	Not Ok
53	P2829-07	MYD5T8	SAM	10/08/24 13:59	Not Use	Jaswal	Not Ok
54	P2829-08	MYD5T9	SAM	10/08/24 14:02	Not Use - Ba,Co,Ni,V High MSRE	Jaswal	Not Ok
55	P2829-09	MYD5T9D	DUP	10/08/24 14:05	Not Use - Ba,Co,Ni,V High MSRE	Jaswal	Not Ok
56	P2829-08L	MYD5T9L	SD	10/08/24 14:08	Not Use - Ba,Co,Ni,V High MSRE	Jaswal	Not Ok
57	P2829-10	MYD5T9S	MS	10/08/24 14:12	Not Use - Ba,Co,Ni,V High MSRE	Jaswal	Not Ok

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ICV Standard	MP82578
CCV Standard	MP82579
ICSA Standard	MP82580,MP82581
CRI Standard	
LCS Standard	MP82583
Chk Standard	MP82587,MP82586

58	P2829-08MS	MYD5T9SRE	MS	10/08/24 14:33	Not Use - MS Fail For Pb(81.58ppb), Ba,Co,Ni,V High	Jaswal	Not Ok
59	CCV003	CCV003	CCV	10/08/24 14:36		Jaswal	OK
60	CCB003	CCB003	CCB	10/08/24 15:12		Jaswal	OK

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Instrument ID: P7

Daily Analysis Runlog For Sequence/QCBatch ID # LB133015

Review By	Sarabjit Jaswal	Review On	10/19/2024 2:11:54 AM
Supervise By	Mohan Bera	Supervise On	10/19/2024 2:12:32 AM

STD. NAME	STD REF.#
ICAL Standard	MP82568,MP82577,MP82576,MP82574,MP82573,MP82572,MP82571,MP82570,MP82569
ICV Standard	MP82578
CCV Standard	MP82579
ICSA Standard	MP82580,MP82581
CRI Standard	
LCS Standard	MP82583
Chk Standard	MP82587,MP82586

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	TUNE	TUNE025	TUNE	10/18/24 10:30		Jaswal	OK
2	S00	S0	CAL1	10/18/24 11:46		Jaswal	OK
3	S02	S02	CAL3	10/18/24 11:49		Jaswal	OK
4	S03	S03	CAL4	10/18/24 11:53		Jaswal	OK
5	S04	S04	CAL5	10/18/24 11:56		Jaswal	OK
6	S05	S05	CAL6	10/18/24 11:59		Jaswal	OK
7	S06	S06	CAL7	10/18/24 12:02		Jaswal	OK
8	S07	S07	CAL8	10/18/24 12:05		Jaswal	OK
9	S08	S08	CAL9	10/18/24 12:08		Jaswal	OK
10	ICV025	ICV025	ICV	10/18/24 12:59	Inst. paused for calibration review	Jaswal	OK
11	ICB025	ICB025	ICB	10/18/24 13:16	Inst. paused for review	Jaswal	OK
12	ICSA025	ICSA025	ICSA	10/18/24 13:19		Jaswal	OK
13	ICSAB025	ICSAB025	ICSAB	10/18/24 13:23		Jaswal	OK
14	CCV094	CCV094	CCV	10/18/24 13:35	Inst. paused for review	Jaswal	OK
15	CCB094	CCB094	CCB	10/18/24 13:38		Jaswal	OK
16	P2816-01A	MYD4J8ARE	PS	10/18/24 13:52	PS For As - 0.014 ml MP82592-10 ml Sample	Jaswal	OK
17	P2823-01ADL	MYD5X1ARE	PS	10/18/24 14:06	PS For Ba,V - 0.015ml mp82610, 0.05ml mp82837 - 10 ml sample	Jaswal	OK

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ICV Standard	MP82578
CCV Standard	MP82579
ICSA Standard	MP82580,MP82581
CRI Standard	
LCS Standard	MP82583
Chk Standard	MP82587,MP82586

18	P2824-01A	MYD5K5ARE	PS	10/18/24 14:09	PS For Se - 0.01ml mp82590-10ml sample	Jaswal	OK
19	P2827-10DL	MYD5Y3	SAM	10/18/24 14:23	4X For Ba,Co,Ni,V	Jaswal	Confirms
20	P2827-11DL	MYD5Y3D	DUP	10/18/24 14:26	4X For Ba,Co,Ni,V	Jaswal	Confirms
21	P2827-10LDL	MYD5Y3L	SD	10/18/24 14:29	20X For Ba,Co,Ni,V	Jaswal	Confirms
22	P2827-12DL	MYD5Y3S	MS	10/18/24 14:33	4X For Ba,Co,Ni,V	Jaswal	Confirms
23	P2827-10MSDL	MYD5Y3SRE	MS	10/18/24 14:36	4X For Ba,Co,Ni,V	Jaswal	Confirms
24	CCV095	CCV095	CCV	10/18/24 14:44		Jaswal	OK
25	CCB095	CCB095	CCB	10/18/24 14:50	Inst. paused for review	Jaswal	OK
26	PB163818BL	PBS818	MB	10/18/24 15:25		Jaswal	OK
27	PB163818BS	LCS818	LCS	10/18/24 15:29		Jaswal	OK
28	PB163818BSD	LCSD818	LCSD	10/18/24 15:32		Jaswal	OK
29	P2828-01	MYD5H3	SAM	10/18/24 15:55	Ba.Co,Ni,V High in MSRE	Jaswal	Dilution
30	P2828-02	MYD5H3D	DUP	10/18/24 15:58	Ba.Co,Ni,V High in MSRE	Jaswal	Dilution
31	P2828-01L	MYD5H3L	SD	10/18/24 16:01	Ba.Co,Ni,V High in MSRE	Jaswal	Dilution
32	P2828-03	MYD5H3S	MS	10/18/24 16:05	Ba.Co,Ni,V High in MSRE	Jaswal	Dilution
33	P2828-01MS	MYD5H3SRE	MS	10/18/24 16:08	MS Fail For PB(131.81ppb),Ba.Co,Ni,V High	Jaswal	Dilution
34	P2828-01DL	MYD5H3	SAM	10/18/24 16:11	4X For Ba,Co,Ni,V	Jaswal	Confirms
35	P2828-02DL	MYD5H3D	DUP	10/18/24 16:14	4X For Ba,Co,Ni,V	Jaswal	Confirms
36	P2828-01LDL	MYD5H3L	SD	10/18/24 16:18	20X For Ba,Co,Ni,V	Jaswal	Confirms

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ICSA Standard	MP82580,MP82581
CRI Standard	
LCS Standard	MP82583
Chk Standard	MP82587,MP82586

37	P2828-03DL	MYD5H3S	MS	10/18/24 16:21	4X For Ba,Co,Ni,V	Jaswal	Confirms
38	P2828-01MSDL	MYD5H3SRE	MS	10/18/24 16:25	4X For Ba,Co,Ni,V	Jaswal	Confirms
39	P2828-04	MYD5K6	SAM	10/18/24 16:28		Jaswal	OK
40	CCV096	CCV096	CCV	10/18/24 16:32		Jaswal	OK
41	CCB096	CCB096	CCB	10/18/24 16:35		Jaswal	OK
42	P2828-05	MYD5K7	SAM	10/18/24 16:38		Jaswal	OK
43	P2828-06	MYD5K8	SAM	10/18/24 16:42		Jaswal	OK
44	P2828-07	MYD5K9	SAM	10/18/24 16:45		Jaswal	OK
45	P2828-08	MYD5L0	SAM	10/18/24 16:48		Jaswal	OK
46	P2828-09	MYD4E6	SAM	10/18/24 16:51		Jaswal	OK
47	P2828-10	MYD4E7	SAM	10/18/24 16:55		Jaswal	OK
48	P2828-11	MYD4E8	SAM	10/18/24 16:58		Jaswal	OK
49	P2828-12	MYD4E9	SAM	10/18/24 17:01		Jaswal	OK
50	P2828-13	MYD4F0	SAM	10/18/24 17:05		Jaswal	OK
51	P2828-14	MYD4F1	SAM	10/18/24 17:08		Jaswal	OK
52	P2828-15	MYD4F2	SAM	10/18/24 17:11		Jaswal	OK
53	P2828-16	MYD4F3	SAM	10/18/24 17:14		Jaswal	OK
54	P2828-17	MYD4F4	SAM	10/18/24 17:18		Jaswal	OK
55	P2828-18	MYD4F5	SAM	10/18/24 17:21		Jaswal	OK
56	P2828-19	MYD4F6	SAM	10/18/24 17:24		Jaswal	OK

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CCV Standard	MP82579
ICSA Standard	MP82580,MP82581
CRI Standard	
LCS Standard	MP82583
Chk Standard	MP82587,MP82586

57	P2828-04DL	MYD5K6	SAM	10/18/24 17:27	Not use	Jaswal	Not Ok
58	P2828-06DL	MYD5K8	SAM	10/18/24 17:31	Not use	Jaswal	Not Ok
59	P2828-08DL	MYD5L0	SAM	10/18/24 17:34	Not use	Jaswal	Not Ok
60	CCV097	CCV097	CCV	10/18/24 17:58		Jaswal	OK
61	CCB097	CCB097	CCB	10/18/24 18:01		Jaswal	OK

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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 :	P2827	Order Date :	6/10/2024 8:54:00 AM	Project Mgr :	Deepak
Client :	USEPA CLP SMO	Project :	51495	Report Type :	USEPA CLP
Contact :	Anita Kapadia	Receive Date :	6/10/2024 8:54:00 AM	EDD Type :	EPA CLP
Date Sign Off :	6/11/2024 8:36:54 AM				

Sample ID	Client ID	Matrix	Sampling Date	Test	Test Group	Method	TAT Days	Fax Due Date	HC Due Date
P2827-01	MYD5X4	Solid	06/07/2024						
				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
P2827-02	MYD5X5	Solid	06/07/2024						
				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
P2827-03	MYD5X6	Solid	06/07/2024						
				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
P2827-04	MYD5X7	Solid	06/07/2024						
				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
P2827-05	MYD5X8	Solid	06/07/2024						
				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
P2827-06	MYD5X9	Solid	06/07/2024						
				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
P2827-07	MYD5Y0	Solid	06/07/2024						
				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
P2827-08	MYD5Y1	Solid	06/07/2024						
				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
P2827-09	MYD5Y2	Solid	06/07/2024					
				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
P2827-10	MYD5Y3	Solid	06/07/2024					
				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
P2827-11	MYD5Y3D	Solid	06/07/2024					
				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
P2827-12	MYD5Y3S	Solid	06/07/2024					
				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
P2827-13	MYD5Y4	Solid	06/07/2024					
				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
P2827-14	MYD5Y5	Solid	06/07/2024					
				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
P2827-15	MYD5Y6	Solid	06/07/2024					
				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
P2827-16	MYD5Y7	Solid	06/07/2024					
				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
P2827-17	MYD5Y8	Solid	06/07/2024					
				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
P2827-18	MYD5Y9	Solid	06/07/2024					
				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 : PB163817 **WorkList ID :** 183984 **Department :** Digestion **Date :** 10-01-2024 09:32:19

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Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P2827-01	MYD5X4	Solid	Metals CLP MS FULL	1:1 HNO3 to pH < 2	USEP01	Q11	06/07/2024	SFAM_MS
P2827-02	MYD5X5	Solid	Metals CLP MS FULL	1:1 HNO3 to pH < 2	USEP01	Q11	06/07/2024	SFAM_MS
P2827-03	MYD5X6	Solid	Metals CLP MS FULL	1:1 HNO3 to pH < 2	USEP01	Q11	06/07/2024	SFAM_MS
P2827-04	MYD5X7	Solid	Metals CLP MS FULL	1:1 HNO3 to pH < 2	USEP01	Q11	06/07/2024	SFAM_MS
P2827-05	MYD5X8	Solid	Metals CLP MS FULL	1:1 HNO3 to pH < 2	USEP01	Q11	06/07/2024	SFAM_MS
P2827-06	MYD5X9	Solid	Metals CLP MS FULL	1:1 HNO3 to pH < 2	USEP01	Q11	06/07/2024	SFAM_MS
P2827-07	MYD5Y0	Solid	Metals CLP MS FULL	1:1 HNO3 to pH < 2	USEP01	Q11	06/07/2024	SFAM_MS
P2827-08	MYD5Y1	Solid	Metals CLP MS FULL	1:1 HNO3 to pH < 2	USEP01	Q11	06/07/2024	SFAM_MS
P2827-09	MYD5Y2	Solid	Metals CLP MS FULL	1:1 HNO3 to pH < 2	USEP01	Q11	06/07/2024	SFAM_MS
P2827-10	MYD5Y3	Solid	Metals CLP MS FULL	1:1 HNO3 to pH < 2	USEP01	Q11	06/07/2024	SFAM_MS
P2827-11	MYD5Y3D	Solid	Metals CLP MS FULL	1:1 HNO3 to pH < 2	USEP01	Q11	06/07/2024	SFAM_MS
P2827-12	MYD5Y3S	Solid	Metals CLP MS FULL	1:1 HNO3 to pH < 2	USEP01	Q11	06/07/2024	SFAM_MS
P2827-13	MYD5Y4	Solid	Metals CLP MS FULL	1:1 HNO3 to pH < 2	USEP01	Q11	06/07/2024	SFAM_MS
P2827-14	MYD5Y5	Solid	Metals CLP MS FULL	1:1 HNO3 to pH < 2	USEP01	Q11	06/07/2024	SFAM_MS
P2827-15	MYD5Y6	Solid	Metals CLP MS FULL	1:1 HNO3 to pH < 2	USEP01	Q11	06/07/2024	SFAM_MS
P2827-16	MYD5Y7	Solid	Metals CLP MS FULL	1:1 HNO3 to pH < 2	USEP01	Q11	06/07/2024	SFAM_MS
P2827-17	MYD5Y8	Solid	Metals CLP MS FULL	1:1 HNO3 to pH < 2	USEP01	Q11	06/07/2024	SFAM_MS
P2827-18	MYD5Y9	Solid	Metals CLP MS FULL	1:1 HNO3 to pH < 2	USEP01	Q11	06/07/2024	SFAM_MS

Date/Time 10/1/24 10:00
Raw Sample Received by: jgp(Met dig)
Raw Sample Relinquished by: RM SM

Date/Time 10/1/24 12:00
Raw Sample Received by: RM SM
Raw Sample Relinquished by: jgp(Met dig)