SDG COVER PAGE

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

Lab Code: ACE Case No.: 51822 MA No.: SDG No.: MH2GW5

SOW No. : SFAM01.1

EPA Sample No.	Lab Sample Id	Analysis Method ICP-AES	ICP-MS	Mercury	Cyanide
MH2GW5	P4955-01		X		
MH2GW6	P4955-02		X		
MH2GW7	P4955-03		X		
MH2GW8	P4955-04		X		
MH2GW8D	P4955-05		X		
MH2GW8S	P4955-06		X		

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

Signature: Name:

Date: Title:

68HERH20D0011

SDG # MH2GW5

USEPA CLP Inorganics COC (LAB COPY)

CHAIN OF CUSTODY RECORD

No: 8-112124-140125-0601

DateShipped: 11/21/2024

CarrierName: FedEx

AirbillNo: 7701 3347 7550

Case #: 51822

Cooler #: 2

Lab: Alliance Technical Group LLC

Lab Contact: Sohil Jodhani

Lab Phone: 908-789-8900

2

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
D0292-L	MH2GW5	Dust (Soil)/ LP, SH	Grab	ICP/MS(14)	24472 (None) (1)	L-0292	11/11/2024 12:18	
D0292-B1	MH2GW6	Dust (Soil)/ LP, SH	Grab	ICP/MS(14)	24473 (None) (1)	B1-0292	11/11/2024 12:24	
D0292-B2	MH2GW7	Dust (Soil)/ LP, SH	Grab	ICP/MS(14)	24474 (None) (1)	B2-0292	11/11/2024 12:26	
D0292-BM	MH2GW8	Dust (Soil)/ LP, SH	Grab	ICP/MS(14)	24475 (None) (1)	BM-0292	11/11/2024 12:34	QV

Sample(s) to be used for Lab QC: D0292-BM Tag 24475 - Special Instructions: Please return cooler

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: ICP/MS=CLP TAL Total Metals

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Samples	Jake Peterson PWT	11/21/24 1415		11-22-24 0715	22c Tal Gun #1 Custody seals intact Temp blk. present

FORM DC-1

SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page 1 of 1
Received By (Print Name) George Nelson		Log-in Date **11/22/2024**
Received By (Signature)		
Case Number 51822	SDG No. MH2GW5	MA No. N/A

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.	770133477550 1
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	2.2 Degree C
8. Sample Condition	Intact
9. Sample Tags Sample Tag Numbers	Absent Listed on Traffic Report
10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ?	Yes
11. Date Received at Lab	11/22/2024
12.Time Received	07:45

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
1	MH2GW5	N/A	24472	P4955-01	Intact
2	MH2GW6	N/A	24473	P4955-02	Intact
3	MH2GW7	N/A	24474	P4955-03	Intact
4	MH2GW8	N/A	24475	P4955-04	Intact
5	MH2GW8D	N/A	24475	P4955-05	Intact
6	MH2GW8S	N/A	24475	P4955-06	Intact
7	N/A	N/A	N/A	N/A	N/A
8	N/A	N/A	N/A	N/A	N/A
9	N/A	N/A	N/A	N/A	N/A
10	N/A	N/A	N/A	N/A	N/A
11	N/A	N/A	N/A	N/A	N/A
12	N/A	N/A	N/A	N/A	N/A
13	N/A	N/A	N/A	N/A	N/A
14	N/A	N/A	N/A	N/A	N/A
15	N/A	N/A	N/A	N/A	N/A
16	N/A	N/A	N/A	N/A	N/A
17	N/A	N/A	N/A	N/A	N/A
18	N/A	N/A	N/A	N/A	N/A
19	N/A	N/A	N/A	N/A	N/A
20	N/A	N/A	N/A	N/A	N/A
21	N/A	N/A	N/A	N/A	N/A
22	N/A	N/A	N/A	N/A	N/A
23	N/A	N/A	N/A	N/A	N/A

* Contact SMO and attach record of resolution

Reviewed By	JK	Logbook No.	N/A
Date	11/22/24	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.	**51822**	SDG NO.	**MH2GW5**
MA NO.		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	9	✓	
6. Communication Logs	10	14	✓	
7. Percent Solids Log	NA	NA	✓	
Analysis Forms and Data (ICP-AES)				
8. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable	NA	NA	✓	
9. Instrument raw data by instrument in analysis order	NA	NA	✓	
Other Data				
10. Standard and Reagent Preparation Logs	NA	NA	✓	
11. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	NA	NA	✓	
12. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	NA	NA	✓	
13. Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions	NA	NA	✓	
14. Extraction Logs for TCLP and SPLP	NA	NA	✓	
15. Raw GPC Data	NA	NA	✓	
16. Raw Florisil Data	NA	NA	✓	
Analysis Forms and Data (ICP-MS)				
17. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable	15	18	✓	
18. Instrument raw data by instrument in analysis order	19	585	✓	
Other Data				
19. Standard and Reagent Preparation Logs	586	723	✓	
20. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	724	725	✓	
21. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	726	730	✓	
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)	731	731	✓	
Sample Tags	NA	NA	✓	
Sample Log-In Sheet (Lab)	732	732	✓	
45. Misc. Shipping/Receiving Records (list all individual records)				
	NA	NA	✓	
46. Internal Lab Sample Transfer Records and Tracking Sheets (describe or list)				
	733	733	✓	
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 # MH2GW5
CASE # 51822
CONTRACT # 68HERH20D0011
SOW# SFAM01.1
LAB NAME: Alliance Technical Group, LLC
LAB CODE: ACE
LAB ORDER ID # P4955

A. Number of Samples and Date of Receipt

04 Soil samples was delivered to the laboratory intact on 11/22/2024

B. Parameters

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

C. Cooler Temp

Indicator Bottle**: Presence/**Absence

Cooler: 2.2^{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 routine analyses in this Case are scheduled with a 21-day TAT, but the received COC indicates a 14-day TAT. Please advise on how the laboratory may 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 8, the laboratory should proceed and have all soil samples analyzed as a 14-day TAT. 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 MH2GW5 For Antimony:

If C = 14.99 ppb
Vf = 500 ml
W = 1.13 g
S = 1.0(100/100)
DF = 1

$$\text{Concentration (mg/kg)} = 14.99 \times \frac{500}{1.13 \times 1.0} \times 1 / 1000$$

$$= 6.63274 \text{ mg/kg}$$

= 6.6 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. Serial Dilution did meet requirements.

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

284 Sheffield Street
Mountainside, NJ 07092

Internal Standard Association for ICP-MS analysis.

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

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

Signature_____ Name: Nimisha Pandya

Date _____ Title: Document Control Officer

From: Hairston, Miles (NE) <Miles.Hairston@gdit.com>
Sent: Tuesday, November 12, 2024 9:31 AM
To: Sohil Jodhani; Deepak Parmar; Mohammad Ahmed
Cc: Goodrich.Donald@epa.gov; mark.wood@pwt.com
Subject: Region 08 | Case 51822 | Lab ACE | Issue Discrepancies with tags, jars, and/or COC | FINAL
Attachments: SKM_95824111109510.pdf; 51822-ASR.pdf

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

Secured by Check Point

Good morning,

Please see the resolution below.

Issue: The routine analyses in this Case are scheduled with a 21-day TAT, but the received COC indicates a 14-day TAT. Please advise on how the laboratory may proceed.
Resolution: Per Region 8, the laboratory should proceed and have all soil samples analyzed as a 14-day TAT. The laboratory should note the issue in the SDG Narrative and proceed with the analysis of the samples.

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

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

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

Leave alert: 11/11/2024

GENERAL DYNAMICS
information technology

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From: Goodrich, Donald <Goodrich.Donald@epa.gov>
Sent: Tuesday, November 12, 2024 9:08 AM
To: Hairston, Miles (NE) <Miles.Hairston@gdit.com>
Subject: RE: Region 08 | Case 51822 | 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 Miles,

Yes, please proceed and have all soil samples analyzed as 14-day TAT for this case.

Thanks,
Don

Don Goodrich
EPA Region 8
8LSASD-LSB | 5247
303-905-4024 (cell) | goodrich.donald@epa.gov

From: Hairston, Miles (NE) <Miles.Hairston@gdit.com>
Sent: Monday, November 11, 2024 9:27 AM
To: Goodrich, Donald <Goodrich.Donald@epa.gov>
Subject: RE: Region 08 | Case 51822 | Lab ACE | Issue Discrepancies with tags, jars, and/or COC

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

Good morning,

Would the Region please confirm if the laboratory should proceed with a 14-day TAT for all soils in Case 51822 as indicated in the below emails?

Thank you,

Casey Shaeffer

Associate Environmental Analyst
CLP QSS Coordinator – EPA Regions 4 & 10
Under contract to the EPA

T: (571) 454-2416
casey.shaeffer@gdit.com

15036 Conference Center Drive
Chantilly, VA 20151
www.gdit.com

GENERAL DYNAMICS
information technology

Leave Alert: November 19, 2024

From: Mark R. Wood <mark.wood@pwt.com>
Sent: Monday, November 11, 2024 11:15 AM
To: Hairston, Miles (NE) <Miles.Hairston@gdit.com>; Goodrich, Donald <goodrich.donald@epa.gov>
Subject: RE: Region 08 | Case 51822 | 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.

Yes, that is correct.

Mark Wood, PG
Senior Geologist
Pacific Western Technology, LTD
3000 Youngfield Street, Wheat Ridge, CO 80215
(O) 303-274-5400 x1014| (c) 303-994-3853

From: Shaeffer, Casey <Casey.Shaeffer@gdit.com> **On Behalf Of** Hairston, Miles (NE)
Sent: Monday, November 11, 2024 8:51 AM
To: Mark R. Wood <mark.wood@pwt.com>; Hairston, Miles (NE) <Miles.Hairston@gdit.com>; Goodrich, Donald <goodrich.donald@epa.gov>
Subject: RE: Region 08 | Case 51822 | Lab ACE | Issue Discrepancies with tags, jars, and/or COC

Good morning,

Thank you for your response. To confirm, the routine soil samples and the soil samples under MA 3105.0 should all be analyzed under a 14-day TAT?

Thank you,

Casey Shaeffer

Associate Environmental Analyst
CLP QSS Coordinator – EPA Regions 4 & 10
Under contract to the EPA

T: (571) 454-2416
casey.shaeffer@gdit.com
15036 Conference Center Drive
Chantilly, VA 20151

www.gdit.com

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Leave Alert: November 19, 2024

From: Mark R. Wood <mark.wood@pwt.com>
Sent: Monday, November 11, 2024 10:40 AM
To: Hairston, Miles (NE) <Miles.Hairston@gdit.com>; Goodrich, Donald <goodrich.donald@epa.gov>
Subject: RE: Region 08 | Case 51822 | 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.

Hi Miles,
The dust/soil samples should be for 14 day TAT. I missed this reviewing the case 51822.
Thank you,
Mark Wood, PG
Senior Geologist
Pacific Western Technology, LTD
3000 Youngfield Street, Wheat Ridge, CO 80215
(O) 303-274-5400 x1014| (c) 303-994-3853

From: Hairston, Miles (NE) <Miles.Hairston@gdit.com>
Sent: Monday, November 11, 2024 8:36 AM
To: Goodrich, Donald <goodrich.donald@epa.gov>
Cc: Mark R. Wood <mark.wood@pwt.com>
Subject: Region 08 | Case 51822 | Lab ACE | Issue Discrepancies with tags, jars, and/or COC

Good morning,

Please see the below issue from ACE.

Issue: The routine analyses in this Case are scheduled with a 21-day TAT, but the received COC indicates a 14-day TAT. Please advise on how the laboratory may proceed.

Thank you,

Casey Shaeffer

Associate Environmental Analyst
CLP QSS Coordinator – EPA Regions 4 & 10
Under contract to the EPA

T: (571) 454-2416
casey.shaeffer@gdit.com
15036 Conference Center Drive

Chantilly, VA 20151
www.gdit.com

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information technology

Leave Alert: November 19, 2024

From: Deepak Parmar <Deepak.Parmar@alliancetg.com>
Sent: Monday, November 11, 2024 10:09 AM
To: Hairston, Miles (NE) <Miles.Hairston@gdit.com>
Cc: Sohil Jodhani <Sohil.Jodhani@AllianceTG.com>
Subject: Region 08 | Case 51822 | 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,

As per ASR case 51822 is 21 days TAT for soil sample without MA but all COC received today for this case mentioned 14 days TAT there for lab would like to confirm they should proceed with analysis ?

Please see attachment for your reference.

Thanks & Regards,

Alliance TECHNICAL GROUP

Deepak Parmar
QA/QC
An Alliance Technical Group Company
Main: 908-789-8900
Direct: 908-728-3154
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com AST AEM AAS

EPA SAMPLE NO.

MH2GW5

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51822 MA No. : SDG No.: MH2GW5

Matrix: SOIL Lab Sample ID: P4955-01

% Solids: 100 Date Received: 11/22/2024

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	6.6		11/27/2024	2021
7440-38-2	Arsenic	3.5		11/27/2024	2021
7440-39-3	Barium	180		11/27/2024	2021
7440-41-7	Beryllium	0.42	J	11/27/2024	2021
7440-43-9	Cadmium	9.6		11/27/2024	2021
7440-47-3	Chromium	26		11/27/2024	2021
7440-48-4	Cobalt	3.1		11/27/2024	2021
7440-50-8	Copper	46		11/27/2024	2021
7439-92-1	Lead	55		11/27/2024	2021
7439-96-5	Manganese	380		11/27/2024	2021
7440-02-0	Nickel	16		11/27/2024	2021
7782-49-2	Selenium	0.42	J	11/27/2024	2021
7440-22-4	Silver	0.38	J	11/27/2024	2021
7440-28-0	Thallium	0.11	J	11/27/2024	2021
7440-62-2	Vanadium	8.8		11/27/2024	2021
7440-66-6	Zinc	590		11/27/2024	2021

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

Comments:

EPA SAMPLE NO.

MH2GW6

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51822 MA No. : SDG No.: MH2GW5

Matrix: SOIL Lab Sample ID: P4955-02

% Solids: 100 Date Received: 11/22/2024

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	30		11/27/2024	2024
7440-38-2	Arsenic	2.7		11/27/2024	2024
7440-39-3	Barium	130		11/27/2024	2024
7440-41-7	Beryllium	0.28	J	11/27/2024	2024
7440-43-9	Cadmium	1.3		11/27/2024	2024
7440-47-3	Chromium	18		11/27/2024	2024
7440-48-4	Cobalt	2.0		11/27/2024	2024
7440-50-8	Copper	47		11/27/2024	2024
7439-92-1	Lead	40		11/27/2024	2024
7439-96-5	Manganese	290		11/27/2024	2024
7440-02-0	Nickel	8.1		11/27/2024	2024
7782-49-2	Selenium	0.45	J	11/27/2024	2024
7440-22-4	Silver	0.52		11/27/2024	2024
7440-28-0	Thallium	0.072	J	11/27/2024	2024
7440-62-2	Vanadium	6.4		11/27/2024	2024
7440-66-6	Zinc	840		11/27/2024	2024

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

Comments:

EPA SAMPLE NO.

MH2GW7

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51822 MA No. : SDG No.: MH2GW5

Matrix: SOIL Lab Sample ID: P4955-03

% Solids: 100 Date Received: 11/22/2024

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	36		11/27/2024	2027
7440-38-2	Arsenic	3.4		11/27/2024	2027
7440-39-3	Barium	95		11/27/2024	2027
7440-41-7	Beryllium	0.37	J	11/27/2024	2027
7440-43-9	Cadmium	1.6		11/27/2024	2027
7440-47-3	Chromium	17		11/27/2024	2027
7440-48-4	Cobalt	2.4		11/27/2024	2027
7440-50-8	Copper	53		11/27/2024	2027
7439-92-1	Lead	32		11/27/2024	2027
7439-96-5	Manganese	310		11/27/2024	2027
7440-02-0	Nickel	9.0		11/27/2024	2027
7782-49-2	Selenium	0.43	J	11/27/2024	2027
7440-22-4	Silver	0.42	J	11/27/2024	2027
7440-28-0	Thallium	0.089	J	11/27/2024	2027
7440-62-2	Vanadium	6.7		11/27/2024	2027
7440-66-6	Zinc	470		11/27/2024	2027

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

Comments:

EPA SAMPLE NO.

MH2GW8

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51822 MA No. : SDG No.: MH2GW5

Matrix: SOIL Lab Sample ID: P4955-04

% Solids: 100 Date Received: 11/22/2024

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	0.46	J	11/27/2024	2030
7440-38-2	Arsenic	3.4		11/27/2024	2030
7440-39-3	Barium	150		11/27/2024	2030
7440-41-7	Beryllium	0.57		11/27/2024	2030
7440-43-9	Cadmium	11		11/27/2024	2030
7440-47-3	Chromium	13		11/27/2024	2030
7440-48-4	Cobalt	3.2		11/27/2024	2030
7440-50-8	Copper	26		11/27/2024	2030
7439-92-1	Lead	160		11/27/2024	2030
7439-96-5	Manganese	330		11/27/2024	2030
7440-02-0	Nickel	14		11/27/2024	2030
7782-49-2	Selenium	0.85	J	11/27/2024	2030
7440-22-4	Silver	0.18	J	11/27/2024	2030
7440-28-0	Thallium	0.12	J	11/27/2024	2030
7440-62-2	Vanadium	8.7		11/27/2024	2030
7440-66-6	Zinc	160		11/27/2024	2030

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

Comments:

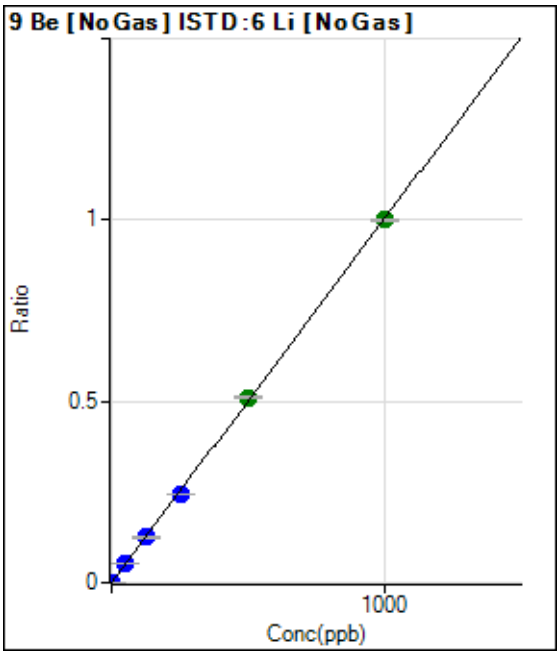
Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7

Calibration for 006CALB.d

Batch Folder: D:\Agilent\ICPMH\1\DATA\P7112724-MS3.b\
Analysis File: P7112724-MS3.batch.bin
DA Date-Time: 2024-12-02 14:12:30
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	006CALB.d	S00	2024-11-27 16:10:16
2	008CALS.d	S02	2024-11-27 16:16:54
3	009CALS.d	S03	2024-11-27 16:20:12
4	010CALS.d	S04	2024-11-27 16:23:11
5	011CALS.d	S05	2024-11-27 16:25:58
6	012CALS.d	S06	2024-11-27 16:28:44
7	013CALS.d	S07	2024-11-27 16:31:28
8	014CALS.d	S08	2024-11-27 16:34:14

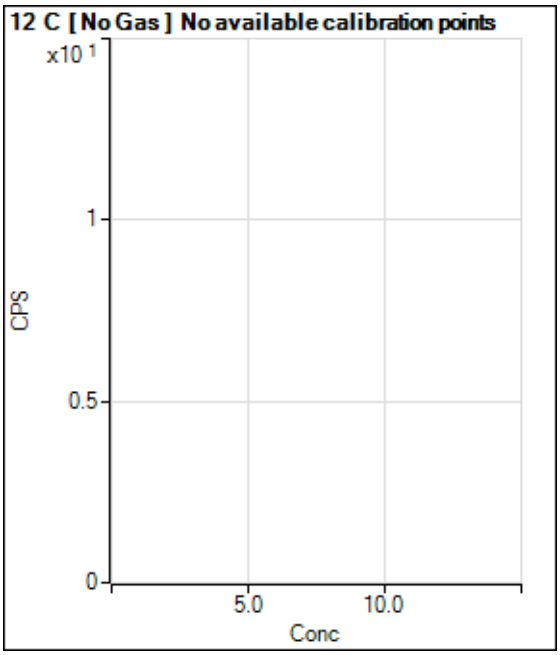
Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	109.26	0.0000	P	5.1
2	☐	1.000	1.075	2707.69	0.0011	P	2.4
3	☐	50.000	52.337	122127.53	0.0526	P	0.6
4	☐	125.000	124.473	306712.85	0.1250	P	0.8
5	☐	250.000	242.484	583002.85	0.2434	P	0.9
6	☐	500.000	509.637	1223903.74	0.5115	A	0.2
7	☐	1000.000	997.010	2400511.28	1.0007	A	0.3
8	☐			488.90	0.0002	P	5.9

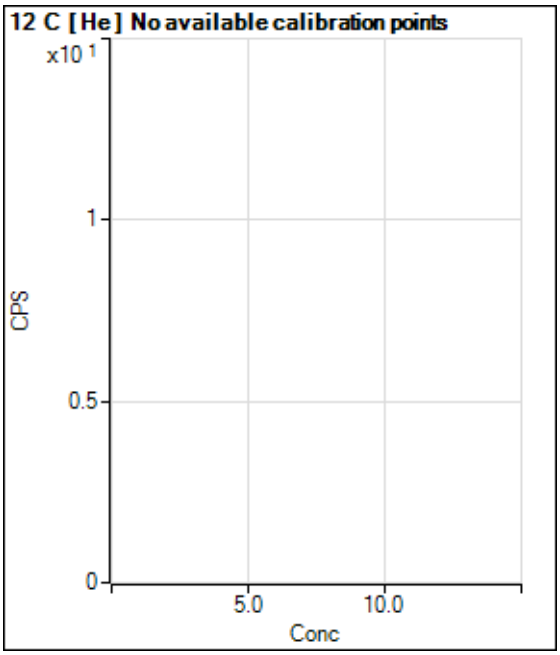
y = 0.0010 * x + 4.6273E-005
R = 0.9999
DL = 0.007029
BEC = 0.0461

Weight: <None>
Min Conc: 0

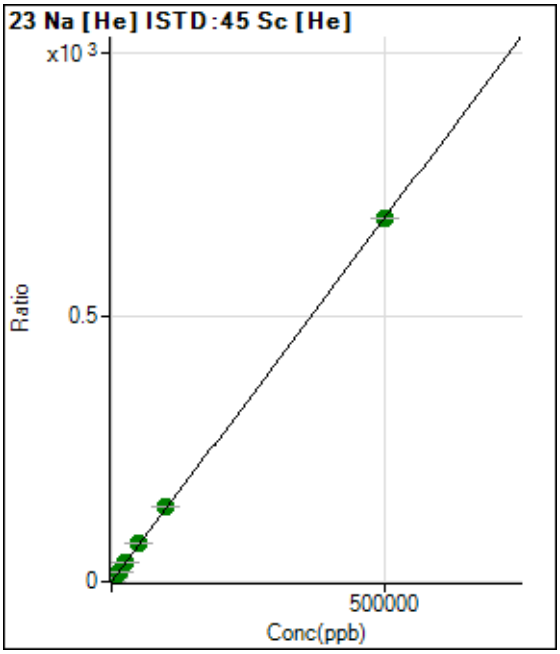


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						

Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						

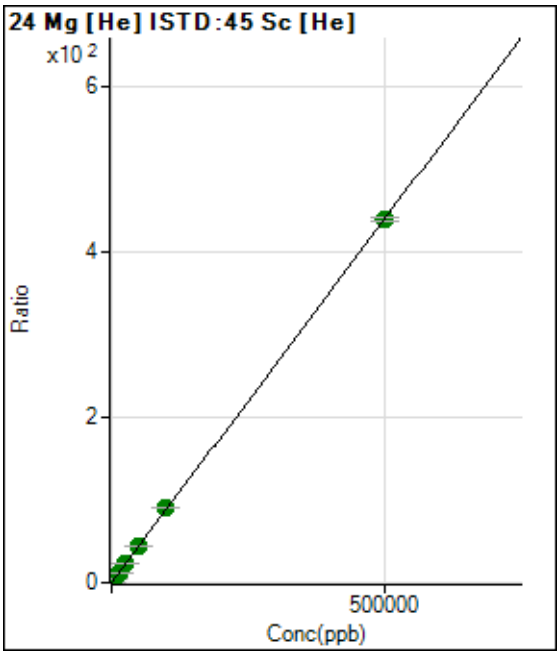


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	38704.07	0.0379	P	0.8
2	☐	500.000	479.011	701564.18	0.6958	P	0.5
3	☐	5000.000	5346.215	6911791.91	7.3812	A	1.2
4	☐	12500.000	12963.505	16340927.67	17.8439	A	1.1
5	☐	25000.000	25763.167	30455878.43	35.4249	A	0.6
6	☐	50000.000	52494.208	62376571.29	72.1414	A	0.3
7	☐	100000.00	102971.65	125650572.57	141.4747	A	0.4
8	☐	500000.00	499103.06	637917141.60	685.5814	A	0.2

y = 0.0014 * x + 0.0379
R = 1.0000
DL = 0.7003
BEC = 27.59

Weight: <None>
Min Conc: 0

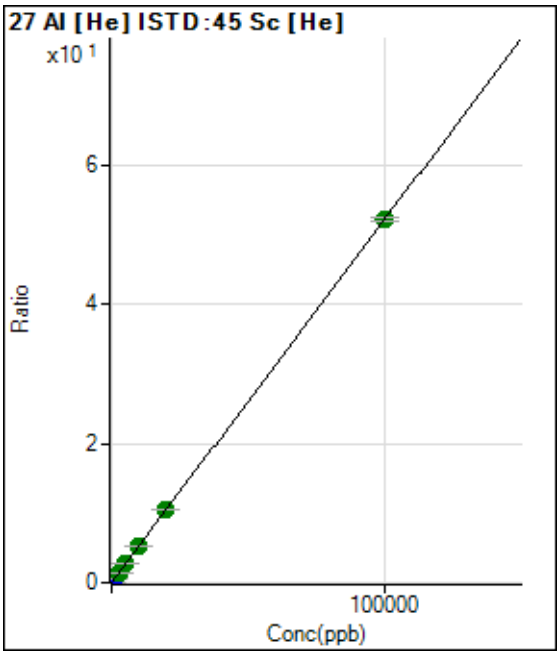
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On:12/3/2024 8:29:37 PM
Inst Id :P7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2149.78	0.0021	P	2.4
2	☐	500.000	487.941	434532.28	0.4310	P	0.6
3	☐	5000.000	5296.450	4361423.21	4.6575	A	1.0
4	☐	12500.000	12758.809	10271737.81	11.2166	A	0.7
5	☐	25000.000	25623.015	19364173.92	22.5236	A	0.4
6	☐	50000.000	51459.950	39110257.83	45.2332	A	0.1
7	☐	100000.00	103542.30	80832729.84	91.0114	A	0.6
8	☐	500000.00	499104.97	408195452.60	438.6941	A	1.0

y = 8.7896E-004 * x + 0.0021
R = 1.0000
DL = 0.175
BEC = 2.395

Weight: <None>
Min Conc: 0

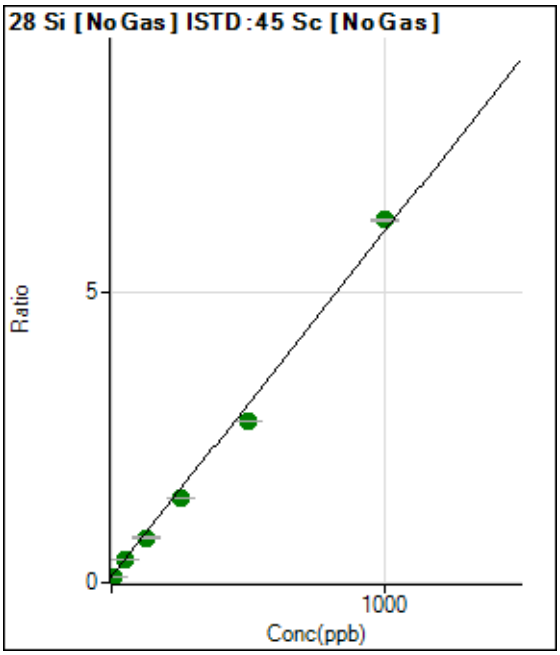


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	256.67	0.0003	P	3.7
2	☐	20.000	18.686	10066.72	0.0100	P	0.7
3	☐	1000.000	1033.204	504194.61	0.5384	P	0.6
4	☐	2500.000	2542.788	1213109.58	1.3247	A	1.1
5	☐	5000.000	5080.032	2275041.20	2.6463	A	0.5
6	☐	10000.000	10193.627	4590909.20	5.3097	A	0.7
7	☐	20000.000	20127.610	9311461.60	10.4840	A	0.5
8	☐	100000.00	99949.712	48440981.50	52.0603	A	1.2

y = 5.2086E-004 * x + 2.5131E-004
R = 1.0000
DL = 0.0534
BEC = 0.4825

Weight: <None>
Min Conc: 0

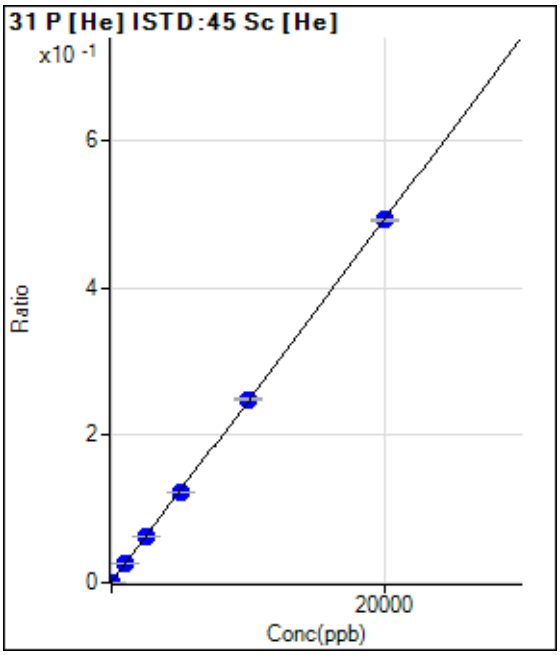
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On:12/3/2024 8:29:37 PM
Inst Id :P7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1266023.27	0.1070	A	1.2
2	☐	10.000	0.652	1304339.18	0.1109	A	2.6
3	☐	50.000	47.817	4272630.42	0.3912	A	0.9
4	☐	125.000	112.306	8396253.55	0.7745	A	1.4
5	☐	250.000	225.674	14507237.98	1.4483	A	0.4
6	☐	500.000	448.477	27635895.14	2.7725	A	0.4
7	☐	1000.000	1033.632	63824711.27	6.2504	A	0.5
8	☐			1279268.00	0.1234	A	2.0

y = 0.0059 * x + 0.1070
R = 0.9979
DL = 0.6487
BEC = 18.01

Weight: <None>
Min Conc: 0

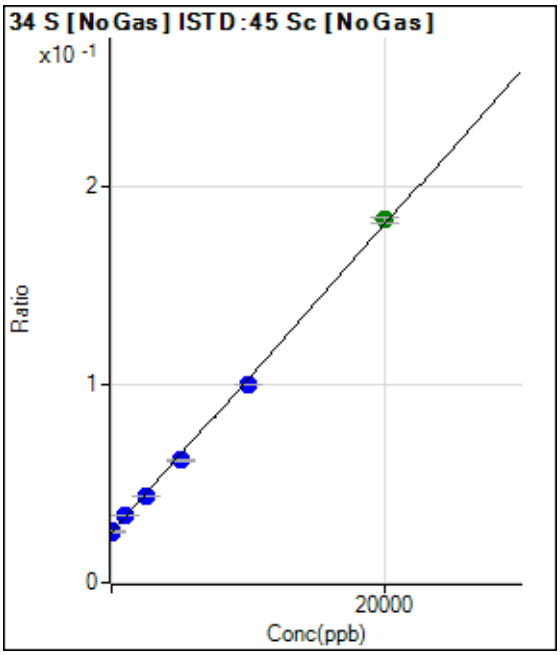


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-16.979	301.12	0.0003	P	8.0
2	☐	0.000	16.979	1141.17	0.0011	P	3.8
3	☐	1000.000	1065.030	25245.32	0.0270	P	2.4
4	☐	2500.000	2518.113	57488.50	0.0628	P	1.3
5	☐	5000.000	4933.428	105151.07	0.1223	P	0.3
6	☐	10000.000	10077.897	215377.61	0.2491	P	0.5
7	☐	20000.000	19972.179	437818.11	0.4930	P	0.7
8	☐			508.90	0.0005	P	10.1

y = 2.4647E-005 * x + 7.1327E-004
R = 1.0000
DL = 4.08
BEC = 28.94

Weight: <None>
Min Conc: 0

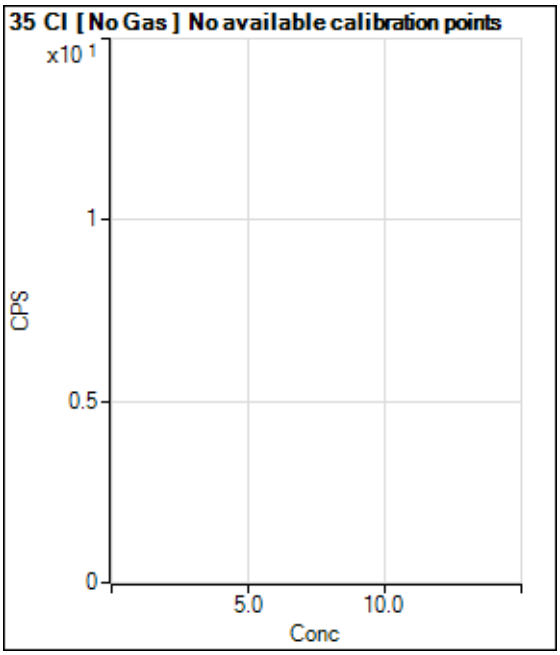
Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-67.978	294278.35	0.0249	P	0.2
2	☐	0.000	67.978	305104.55	0.0259	P	1.5
3	☐	1000.000	1134.759	374012.55	0.0342	P	1.1
4	☐	2500.000	2331.418	472281.14	0.0436	P	1.3
5	☐	5000.000	4683.455	619825.63	0.0619	P	0.8
6	☐	10000.000	9588.770	997520.86	0.1001	P	0.3
7	☐	20000.000	20299.086	1873515.01	0.1835	A	1.4
8	☐			230165.04	0.0222	P	3.1

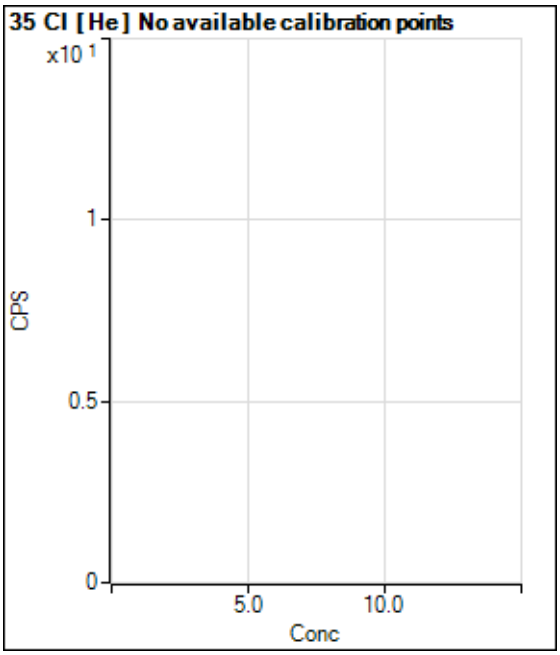
y = 7.7864E-006 * x + 0.0254
R = 0.9994
DL = 83.69
BEC = 3264

Weight: <None>
Min Conc: 0

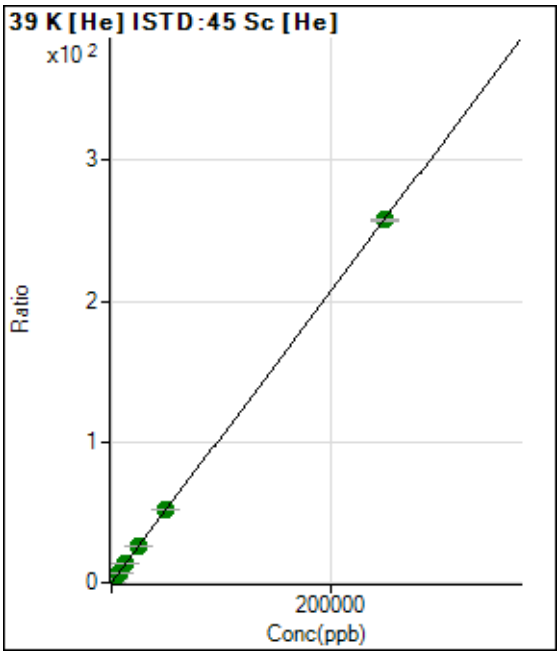


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
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2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						

Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
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2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						

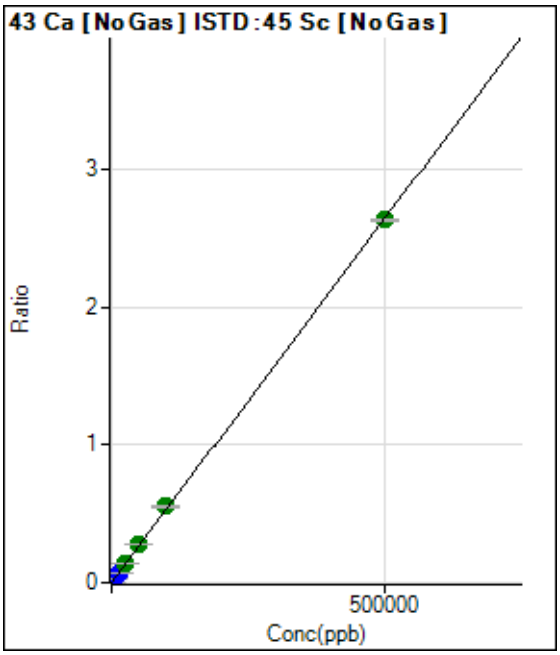


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	71224.40	0.0697	P	1.0
2	☐	500.000	516.745	607819.70	0.6029	P	0.2
3	☐	2500.000	2652.820	2628351.75	2.8066	A	1.3
4	☐	6250.000	6410.381	6120304.56	6.6832	A	0.8
5	☐	12500.000	12613.028	11247612.33	13.0824	A	0.6
6	☐	25000.000	25481.407	22790143.55	26.3586	A	0.7
7	☐	50000.000	50442.619	46282325.98	52.1107	A	0.3
8	☐	250000.00	249852.11	239912918.65	257.8388	A	0.2

y = 0.0010 * x + 0.0697
R = 1.0000
DL = 2.065
BEC = 67.59

Weight: <None>
Min Conc: 0

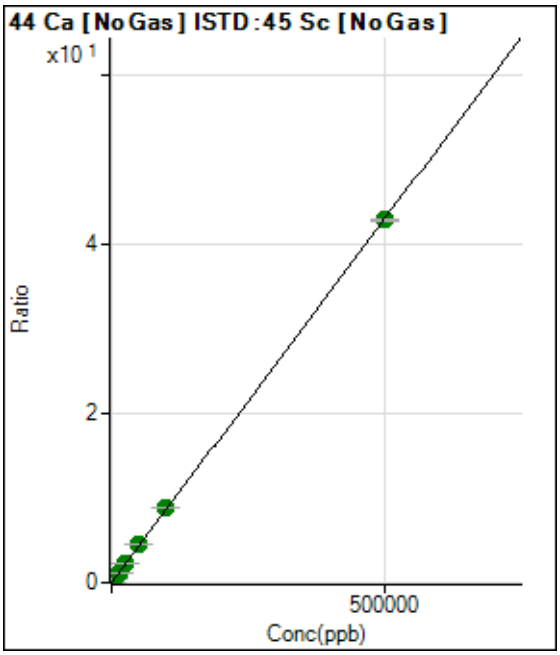
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On:12/3/2024 8:29:37 PM
Inst Id :P7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	997.82	0.0001	P	2.2
2	☐	500.000	524.302	33540.38	0.0029	P	1.1
3	☐	5000.000	5570.149	321986.46	0.0295	P	0.5
4	☐	12500.000	13379.662	766408.25	0.0707	P	1.8
5	☐	25000.000	26004.689	1375528.64	0.1373	A	1.6
6	☐	50000.000	52713.307	2774065.86	0.2783	A	0.8
7	☐	100000.00	104548.56	5635497.00	0.5519	A	0.3
8	☐	500000.00	498741.00	27288730.98	2.6325	A	0.3

y = 5.2780E-006 * x + 8.4370E-005
R = 1.0000
DL = 1.047
BEC = 15.99

Weight: <None>
Min Conc: 0

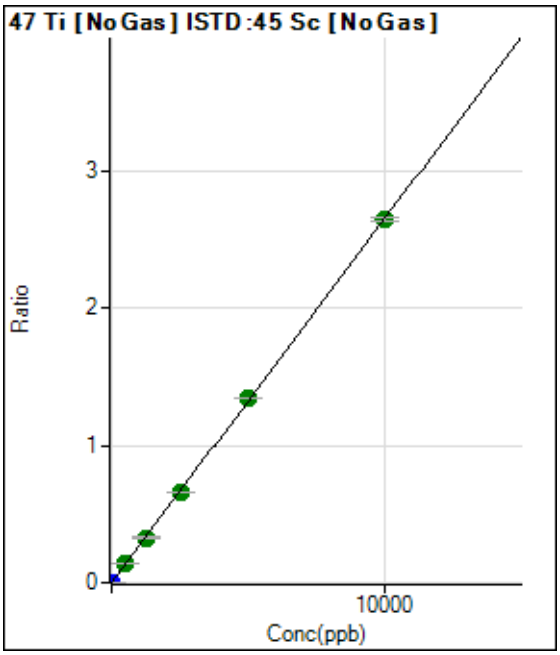


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	27667.80	0.0023	P	1.1
2	☐	500.000	522.646	555948.90	0.0473	P	1.3
3	☐	5000.000	5318.891	5018906.35	0.4596	A	1.4
4	☐	12500.000	12729.869	11888197.05	1.0967	A	1.3
5	☐	25000.000	25711.274	22162138.00	2.2126	A	0.5
6	☐	50000.000	52632.239	45122633.77	4.5269	A	0.3
7	☐	100000.00	103949.26	91270891.97	8.9383	A	0.2
8	☐	500000.00	498902.40	444611002.26	42.8903	A	0.4

y = 8.5965E-005 * x + 0.0023
R = 1.0000
DL = 0.8815
BEC = 27.22

Weight: <None>
Min Conc: 0

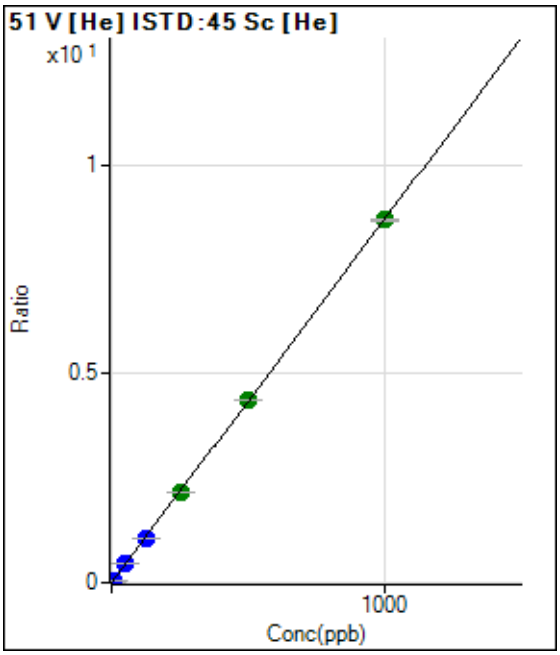
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On:12/3/2024 8:29:37 PM
Inst Id :P7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	173.34	0.0000	P	21.2
2	☐	5.000	4.866	15346.75	0.0013	P	2.4
3	☐	500.000	510.404	1478033.94	0.1353	A	0.1
4	☐	1250.000	1232.228	3541598.52	0.3267	A	1.8
5	☐	2500.000	2477.704	6580336.92	0.6569	A	0.3
6	☐	5000.000	5065.304	13386469.24	1.3430	A	0.6
7	☐	10000.000	9974.623	27003967.10	2.6446	A	0.9
8	☐			4293.99	0.0004	P	6.5

y = 2.6513E-004 * x + 1.4676E-005
R = 1.0000
DL = 0.03519
BEC = 0.05535

Weight: <None>
Min Conc: 0

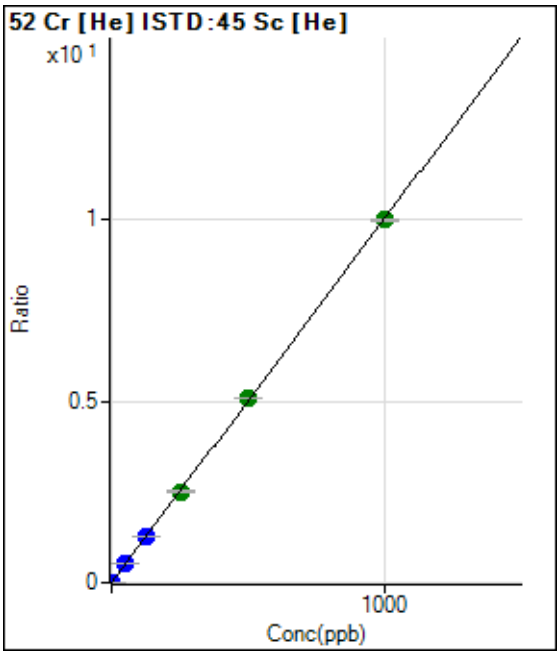


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	24.45	0.0000	P	44.1
2	☐	5.000	4.897	42960.97	0.0426	P	0.8
3	☐	50.000	51.220	417142.10	0.4455	P	1.2
4	☐	125.000	123.356	982464.50	1.0728	P	1.0
5	☐	250.000	249.804	1867794.89	2.1725	A	0.5
6	☐	500.000	502.980	3782247.69	4.3743	A	0.3
7	☐	1000.000	998.704	7713926.20	8.6856	A	0.9
8	☐			2374.65	0.0026	P	3.6

y = 0.0087 * x + 2.3950E-005
R = 1.0000
DL = 0.003647
BEC = 0.002754

Weight: <None>
Min Conc: 0

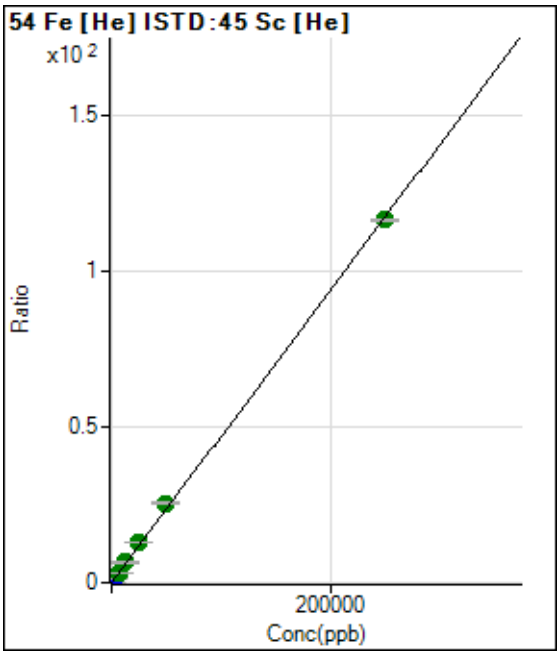
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2622.48	0.0026	P	3.8
2	☐	2.000	1.981	22598.14	0.0224	P	0.8
3	☐	50.000	51.796	488209.49	0.5214	P	1.5
4	☐	125.000	124.653	1145744.24	1.2511	P	0.3
5	☐	250.000	250.536	2159654.92	2.5120	A	0.8
6	☐	500.000	506.066	4384939.52	5.0715	A	0.4
7	☐	1000.000	996.786	8869877.51	9.9867	A	0.4
8	☐			15927.87	0.0171	P	7.2

y = 0.0100 * x + 0.0026
R = 1.0000
DL = 0.02949
BEC = 0.2563

Weight: <None>
Min Conc: 0

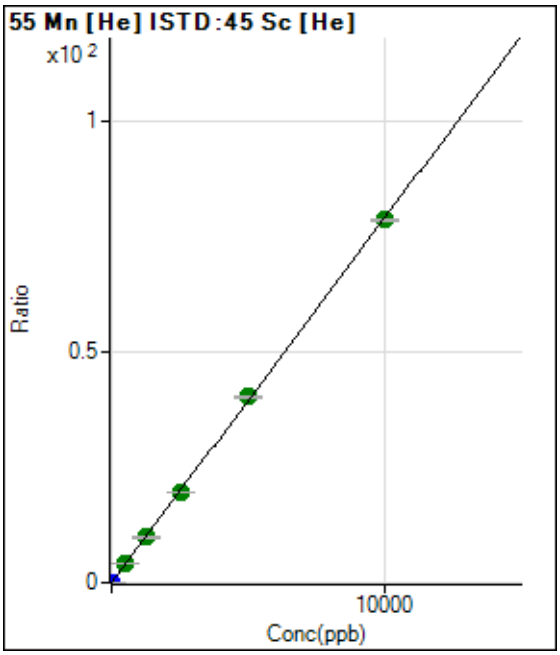


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3428.20	0.0034	P	2.5
2	☐	50.000	56.810	30182.47	0.0299	P	1.5
3	☐	2500.000	2941.554	1291859.24	1.3795	P	0.8
4	☐	6250.000	6922.177	2968796.66	3.2419	A	0.7
5	☐	12500.000	13861.588	5578130.34	6.4884	A	1.1
6	☐	25000.000	28017.651	11336479.00	13.1113	A	0.1
7	☐	50000.000	54629.182	22701923.27	25.5613	A	0.8
8	☐	250000.00	248683.09	108259333.94	116.3485	A	0.5

y = 4.6785E-004 * x + 0.0034
R = 0.9998
DL = 0.5478
BEC = 7.174

Weight: <None>
Min Conc: 0

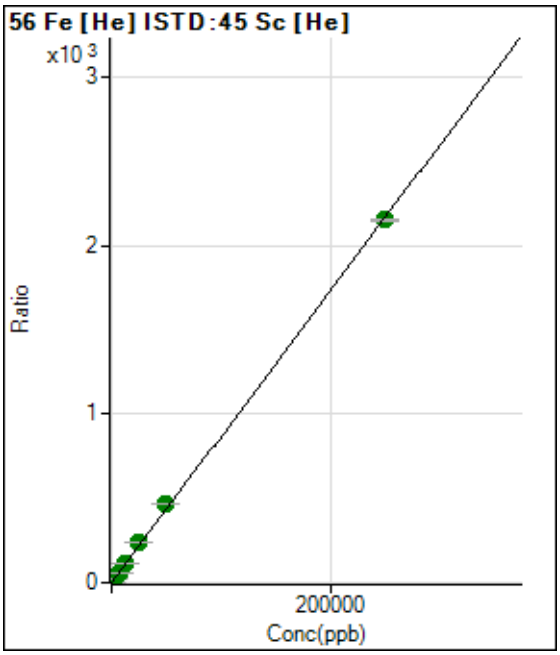
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1805.69	0.0018	P	3.4
2	☐	1.000	0.968	9490.85	0.0094	P	1.4
3	☐	500.000	511.750	3787216.64	4.0443	A	0.9
4	☐	1250.000	1241.549	8983015.84	9.8093	A	0.8
5	☐	2500.000	2499.674	16977799.33	19.7478	A	0.4
6	☐	5000.000	5093.748	34791701.15	40.2396	A	0.8
7	☐	10000.000	9953.677	69836144.52	78.6304	A	0.2
8	☐			39204.24	0.0421	P	0.4

y = 0.0079 * x + 0.0018
R = 0.9999
DL = 0.02284
BEC = 0.2238

Weight: <None>
Min Conc: 0

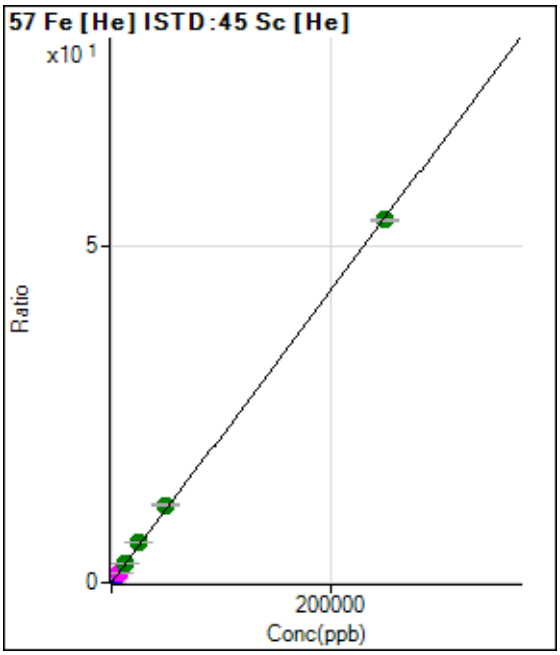


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	28221.01	0.0276	P	0.3
2	☐	50.000	54.514	503788.23	0.4997	P	0.5
3	☐	2500.000	2783.539	22596402.16	24.1310	A	1.2
4	☐	6250.000	6730.347	53396014.21	58.3074	A	1.0
5	☐	12500.000	13526.944	100727780.72	117.1608	A	0.1
6	☐	25000.000	27574.599	206474670.26	238.8030	A	0.7
7	☐	50000.000	53728.356	413240478.29	465.2750	A	0.2
8	☐	250000.00	248930.67	2005717410.1	2,155.581	A	0.4

y = 0.0087 * x + 0.0276
R = 0.9999
DL = 0.02992
BEC = 3.191

Weight: <None>
Min Conc: 0

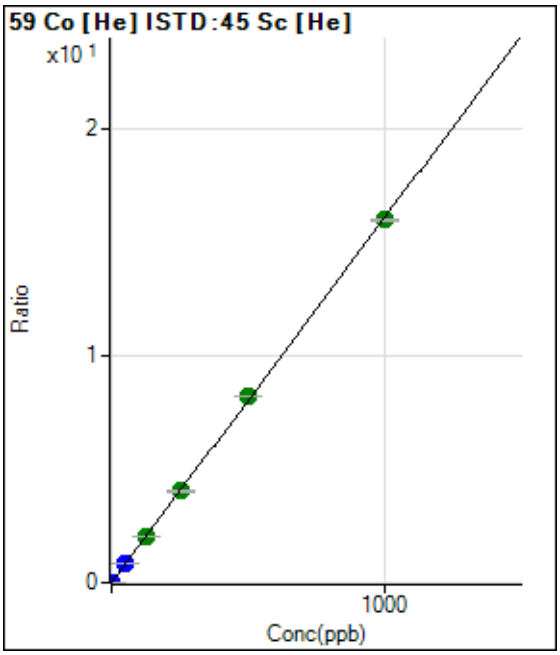
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1407.86	0.0014	P	4.2
2	☐	50.000	58.430	14167.88	0.0141	P	2.9
3	☐	2500.000	2874.828	585270.18	0.6250	P	1.4
4	☐	6250.000	6878.164	1367630.86	1.4934	M	1.1
5	☐	12500.000	13543.073	2527012.48	2.9392	A	0.6
6	☐	25000.000	27560.754	5170522.49	5.9800	A	0.3
7	☐	50000.000	53341.007	10278037.63	11.5724	A	0.5
8	☐	250000.00	249004.11	50261323.70	54.0168	A	0.7

y = 2.1693E-004 * x + 0.0014
R = 0.9999
DL = 0.805
BEC = 6.354

Weight: <None>
Min Conc: 0

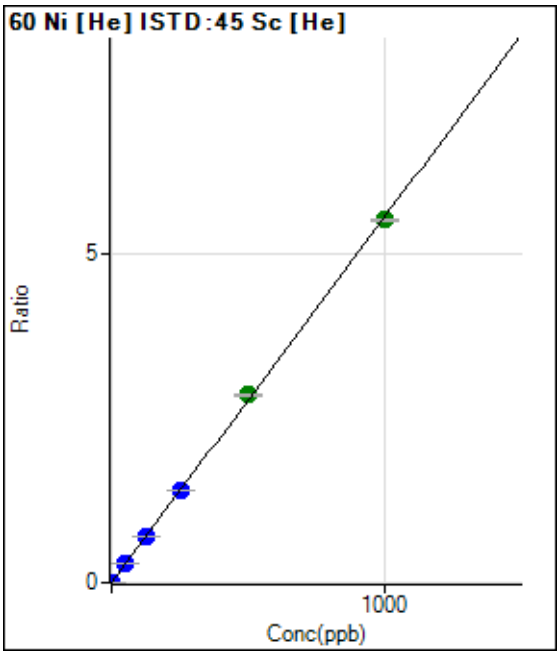


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	183.34	0.0002	P	10.7
2	☐	1.000	1.052	17218.86	0.0171	P	0.6
3	☐	50.000	52.173	784605.54	0.8379	P	1.4
4	☐	125.000	126.072	1853928.60	2.0245	A	1.2
5	☐	250.000	251.231	3468129.36	4.0341	A	1.0
6	☐	500.000	509.673	7076036.01	8.1838	A	0.2
7	☐	1000.000	994.613	14183881.60	15.9702	A	0.5
8	☐			36979.93	0.0397	P	1.0

y = 0.0161 * x + 1.7957E-004
R = 0.9999
DL = 0.00358
BEC = 0.01118

Weight: <None>
Min Conc: 0

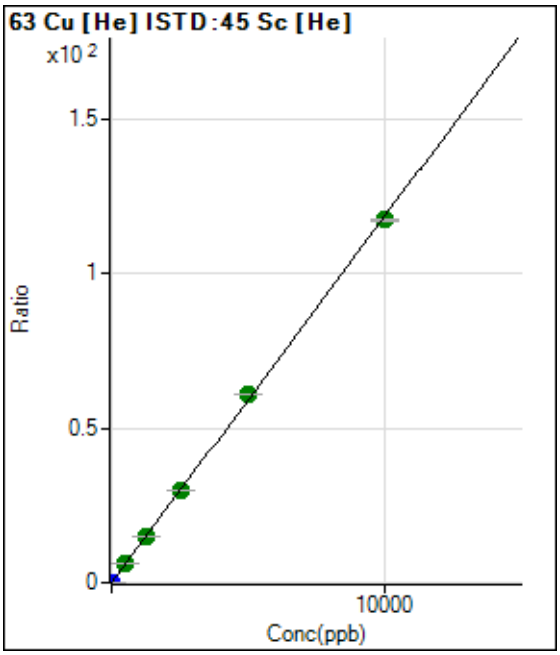
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1761.30	0.0017	P	9.2
2	☐	1.000	0.925	6905.05	0.0068	P	0.5
3	☐	50.000	52.458	273805.00	0.2924	P	0.7
4	☐	125.000	126.904	645510.37	0.7049	P	0.7
5	☐	250.000	251.054	1197394.30	1.3928	P	0.9
6	☐	500.000	513.121	2459803.51	2.8449	A	0.5
7	☐	1000.000	992.815	4887344.61	5.5028	A	0.5
8	☐			15134.97	0.0163	P	1.2

y = 0.0055 * x + 0.0017
R = 0.9999
DL = 0.08582
BEC = 0.3112

Weight: <None>
Min Conc: 0

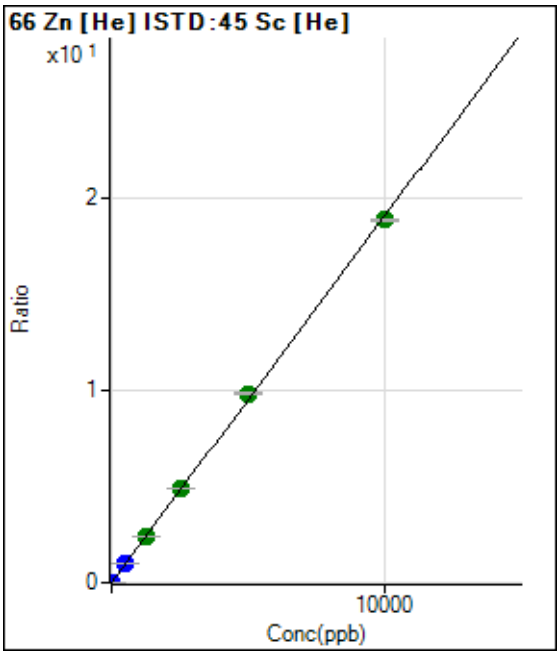


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1433.41	0.0014	P	2.2
2	☐	2.000	1.935	24488.95	0.0243	P	1.3
3	☐	500.000	529.240	5864256.23	6.2623	A	0.9
4	☐	1250.000	1279.116	13858596.60	15.1333	A	0.5
5	☐	2500.000	2538.196	25816129.89	30.0282	A	0.7
6	☐	5000.000	5147.985	52657526.99	60.9019	A	0.6
7	☐	10000.000	9911.357	104139906.23	117.2525	A	0.3
8	☐			22182.13	0.0238	P	3.3

y = 0.0118 * x + 0.0014
R = 0.9998
DL = 0.007732
BEC = 0.1186

Weight: <None>
Min Conc: 0

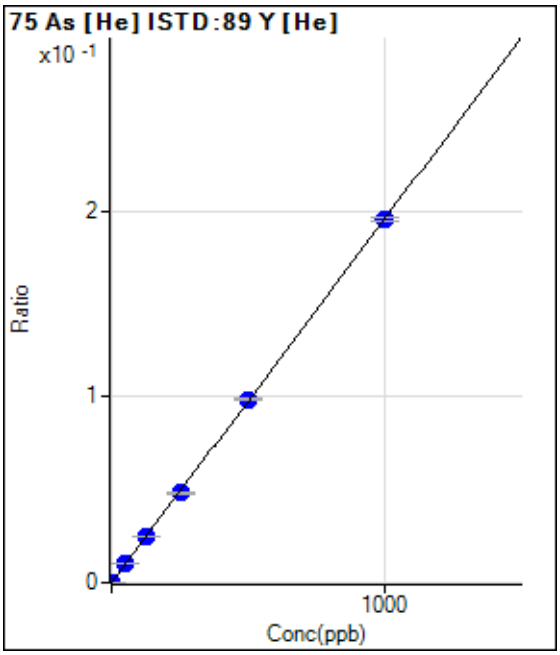
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1295.63	0.0013	P	1.4
2	☐	2.000	5.185	11225.40	0.0111	P	1.6
3	☐	500.000	523.984	934743.74	0.9982	P	1.3
4	☐	1250.000	1271.011	2215738.75	2.4196	A	1.0
5	☐	2500.000	2562.803	4193165.25	4.8774	A	1.0
6	☐	5000.000	5159.200	8488355.98	9.8175	A	0.7
7	☐	10000.000	9900.873	16732352.25	18.8392	A	0.2
8	☐			5664.45	0.0061	P	2.3

y = 0.0019 * x + 0.0013
R = 0.9998
DL = 0.02891
BEC = 0.6667

Weight: <None>
Min Conc: 0

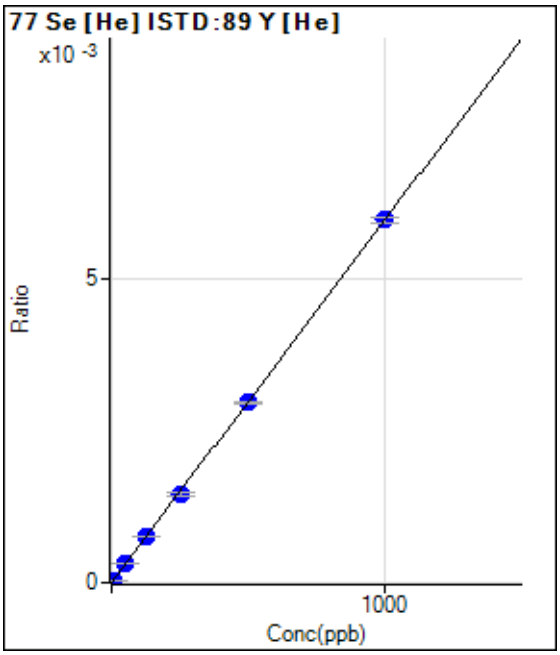


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	16.67	0.0000	P	0.6
2	☐	1.000	1.086	1388.97	0.0002	P	3.5
3	☐	50.000	52.023	61684.25	0.0102	P	2.2
4	☐	125.000	125.973	147914.73	0.0246	P	0.5
5	☐	250.000	247.062	278467.48	0.0483	P	1.2
6	☐	500.000	504.662	572161.82	0.0987	P	0.9
7	☐	1000.000	998.181	1154239.69	0.1951	P	1.1
8	☐			656.69	0.0001	P	2.3

y = 1.9548E-004 * x + 2.5227E-006
R = 1.0000
DL = 0.0002425
BEC = 0.01291

Weight: <None>
Min Conc: 0

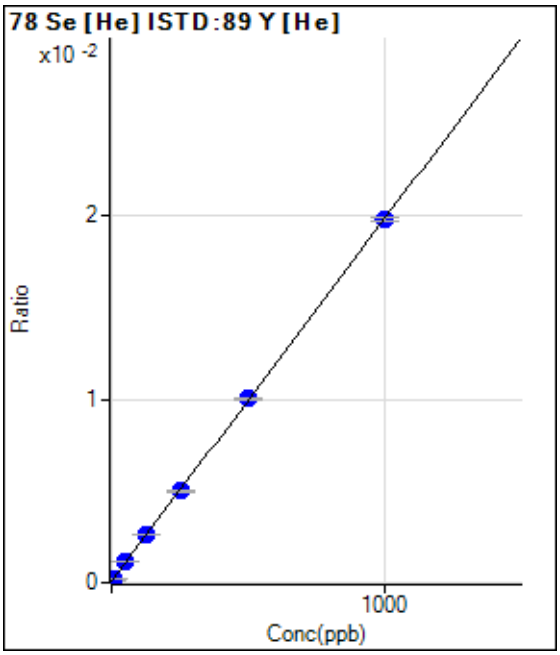
Reviewed By:jaswal
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	0.00	0.0000	P	
2	☐	5.000	5.378	206.67	0.0000	P	5.8
3	☐	50.000	51.657	1863.47	0.0003	P	4.2
4	☐	125.000	127.773	4565.19	0.0008	P	0.5
5	☐	250.000	246.187	8442.47	0.0015	P	3.9
6	☐	500.000	497.631	17170.03	0.0030	P	0.6
7	☐	1000.000	1001.706	35247.33	0.0060	P	1.9
8	☐			10.00	0.0000	P	88.1

y = 5.9487E-006 * x + 0.0000E+000
R = 1.0000
DL = 0
BEC = 0

Weight: <None>
Min Conc: 0

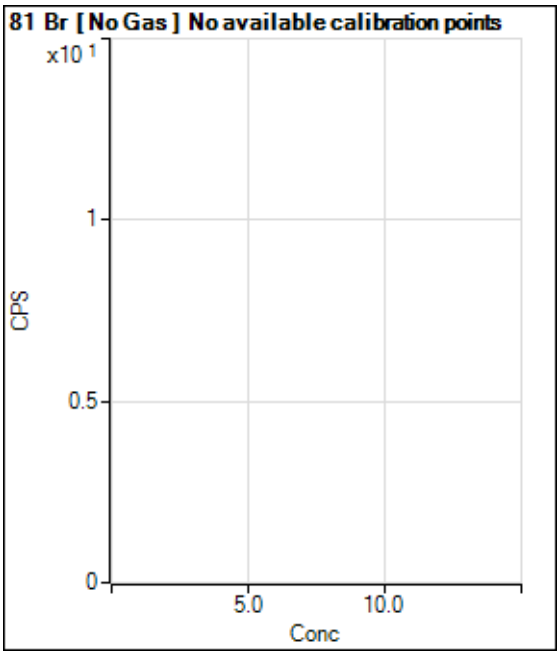


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	543.35	0.0001	P	7.8
2	☐	5.000	4.867	1151.17	0.0002	P	7.8
3	☐	50.000	52.413	6770.50	0.0011	P	2.2
4	☐	125.000	127.921	15649.49	0.0026	P	1.3
5	☐	250.000	249.431	28841.40	0.0050	P	2.4
6	☐	500.000	503.944	58132.33	0.0100	P	1.0
7	☐	1000.000	997.685	116907.94	0.0198	P	0.9
8	☐			498.90	0.0001	P	6.9

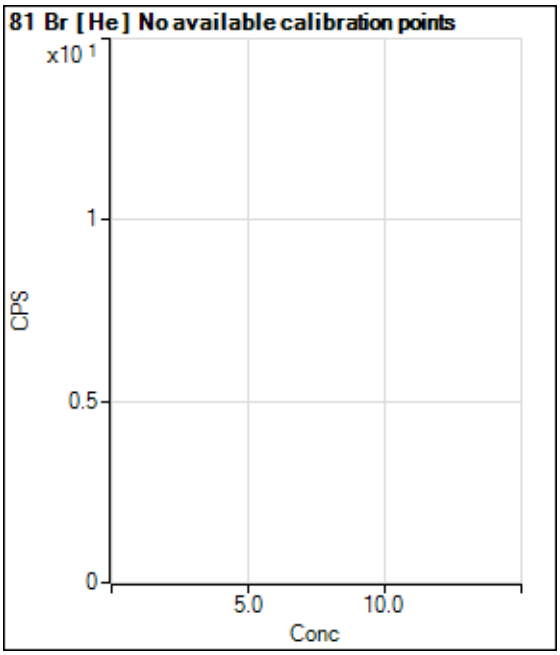
y = 1.9727E-005 * x + 8.2203E-005
R = 1.0000
DL = 0.9745
BEC = 4.167

Weight: <None>
Min Conc: 0

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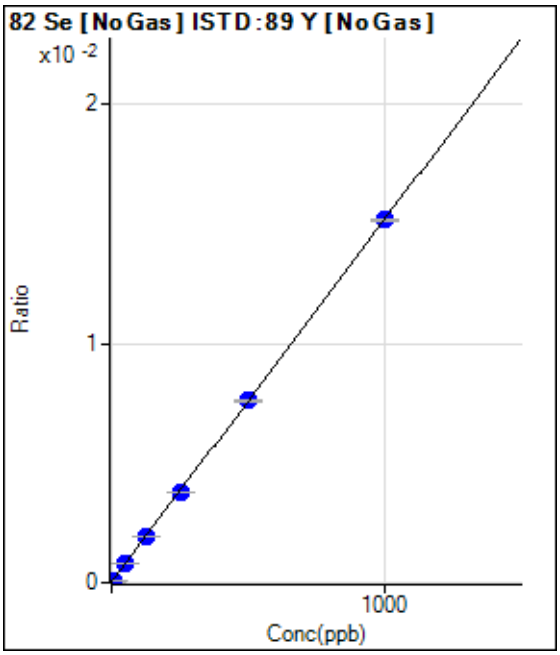


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			18807.69		P	0.5
2	☐			18677.45		P	0.9
3	☐			17520.51		P	1.6
4	☐			16158.94		P	1.3
5	☐			14948.80		P	2.5
6	☐			15098.93		P	2.7
7	☐			15859.74		P	1.5
8	☐			17517.15		P	2.9



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			162.23		P	15.1
2	☐			101.11		P	34.9
3	☐			107.78		P	14.6
4	☐			67.78		P	5.7
5	☐			97.78		P	7.9
6	☐			100.00		P	6.7
7	☐			108.89		P	22.6
8	☐			146.67		P	19.4

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Inst Id :P7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	891.58	0.0000	P	1.3
2	☐	5.000	5.314	2920.91	0.0001	P	0.6
3	☐	50.000	52.373	19568.24	0.0008	P	0.7
4	☐	125.000	125.214	46172.85	0.0019	P	0.7
5	☐	250.000	247.791	85969.18	0.0038	P	0.6
6	☐	500.000	501.793	173040.73	0.0076	P	0.9
7	☐	1000.000	999.509	350821.99	0.0152	P	0.9
8	☐			934.72	0.0000	P	9.1

y = 1.5147E-005 * x + 3.4802E-005

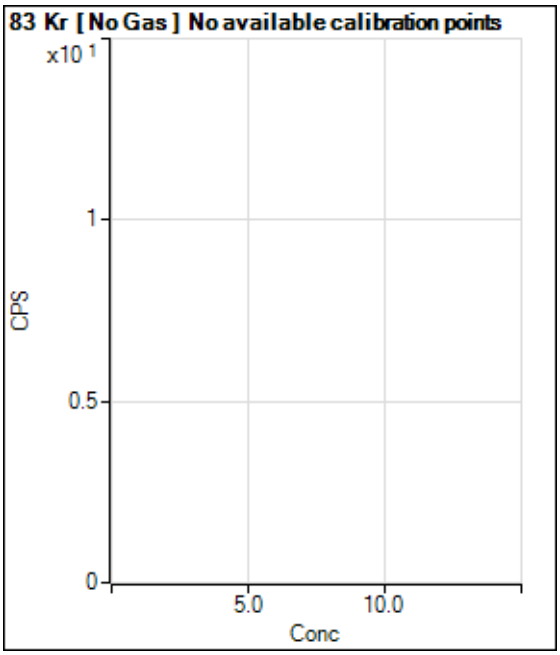
R = 1.0000

DL = 0.08954

BEC = 2.298

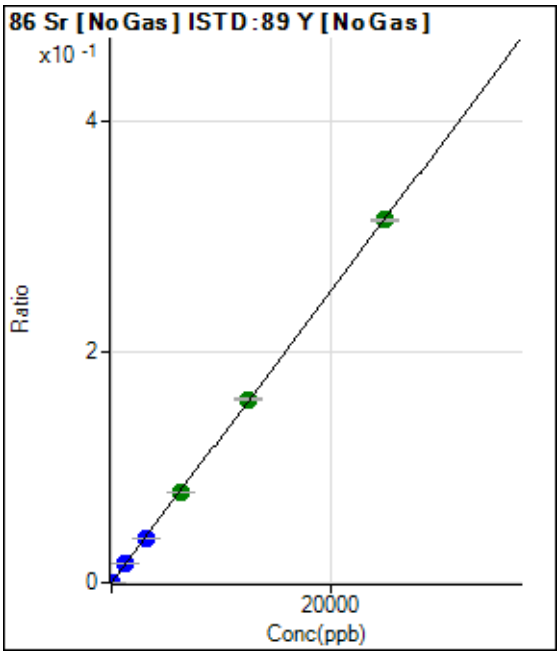
Weight: <None>

Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			297.78		P	5.0
2	☐			314.45		P	5.3
3	☐			294.45		P	8.6
4	☐			256.67		P	10.6
5	☐			282.23		P	8.3
6	☐			278.90		P	6.6
7	☐			307.79		P	9.5
8	☐			371.12		P	1.0

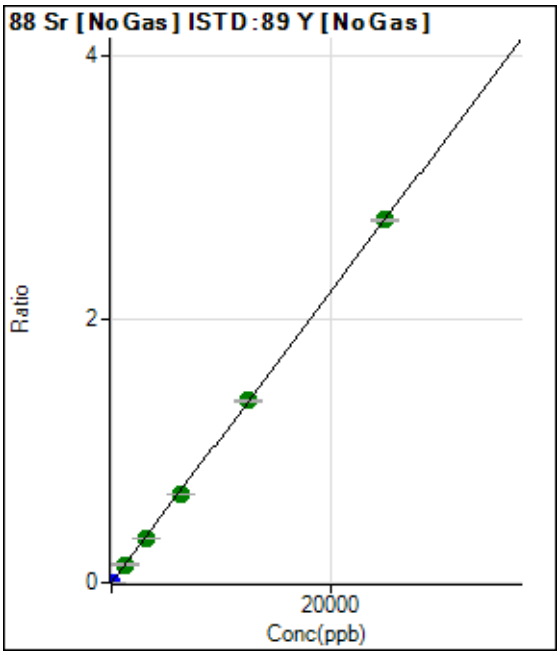
Reviewed By:jaswal
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Inst Id :P7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	584.46	0.0000	P	6.4
2	☐	1.000	24.048	8239.04	0.0003	P	0.5
3	☐	1250.000	1278.044	380283.31	0.0161	P	0.6
4	☐	3125.000	3073.328	924421.33	0.0387	P	0.6
5	☐	6250.000	6163.482	1759448.39	0.0775	A	0.0
6	☐	12500.000	12596.375	3590191.02	0.1584	A	1.2
7	☐	25000.000	24978.498	7262389.34	0.3141	A	0.7
8	☐			24335.72	0.0011	P	2.1

y = 1.2575E-005 * x + 2.2813E-005
R = 1.0000
DL = 0.3487
BEC = 1.814

Weight: <None>
Min Conc: 0

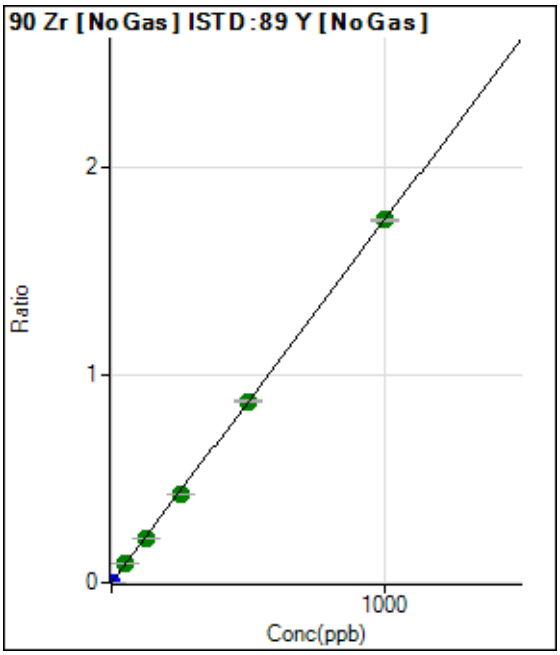


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	657.80	0.0000	P	8.5
2	☐	1.000	24.466	68846.65	0.0027	P	0.5
3	☐	1250.000	1259.223	3274692.41	0.1386	A	1.4
4	☐	3125.000	3046.880	8014871.13	0.3353	A	0.9
5	☐	6250.000	6150.729	15359340.88	0.6768	A	0.3
6	☐	12500.000	12532.518	31251897.59	1.3789	A	0.2
7	☐	25000.000	25017.862	63641586.83	2.7527	A	0.7
8	☐			207952.42	0.0092	P	0.7

y = 1.1003E-004 * x + 2.5677E-005
R = 1.0000
DL = 0.05945
BEC = 0.2334

Weight: <None>
Min Conc: 0

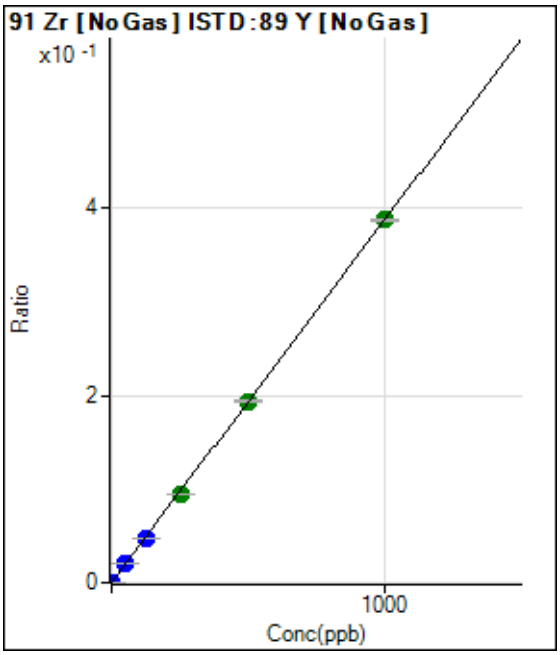
Reviewed By:jaswal
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1166.72	0.0000	P	8.4
2	☐	1.000	0.942	42780.94	0.0017	P	0.9
3	☐	50.000	51.173	2109578.61	0.0893	A	1.1
4	☐	125.000	121.948	5084548.26	0.2127	A	1.4
5	☐	250.000	245.321	9709331.94	0.4278	A	0.3
6	☐	500.000	500.906	19796246.79	0.8735	A	0.7
7	☐	1000.000	1001.040	40358029.68	1.7456	A	0.7
8	☐			23357.55	0.0010	P	2.0

y = 0.0017 * x + 4.5550E-005
R = 1.0000
DL = 0.00658
BEC = 0.02612

Weight: <None>
Min Conc: 0

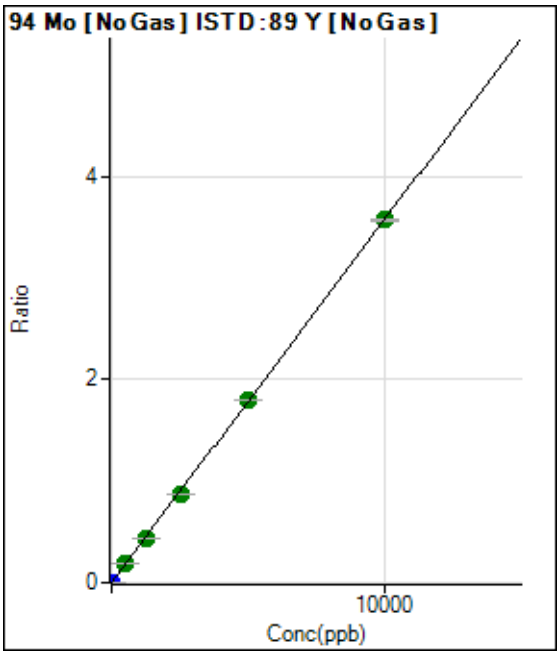


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	225.56	0.0000	P	7.9
2	☐	1.000	0.948	9517.61	0.0004	P	2.2
3	☐	50.000	50.879	465524.07	0.0197	P	0.4
4	☐	125.000	122.969	1137971.89	0.0476	P	0.8
5	☐	250.000	245.722	2158559.29	0.0951	A	0.3
6	☐	500.000	501.033	4394963.10	0.1939	A	0.8
7	☐	1000.000	1000.763	8955195.07	0.3873	A	0.7
8	☐			5297.68	0.0002	P	6.5

y = 3.8703E-004 * x + 8.8037E-006
R = 1.0000
DL = 0.005383
BEC = 0.02275

Weight: <None>
Min Conc: 0

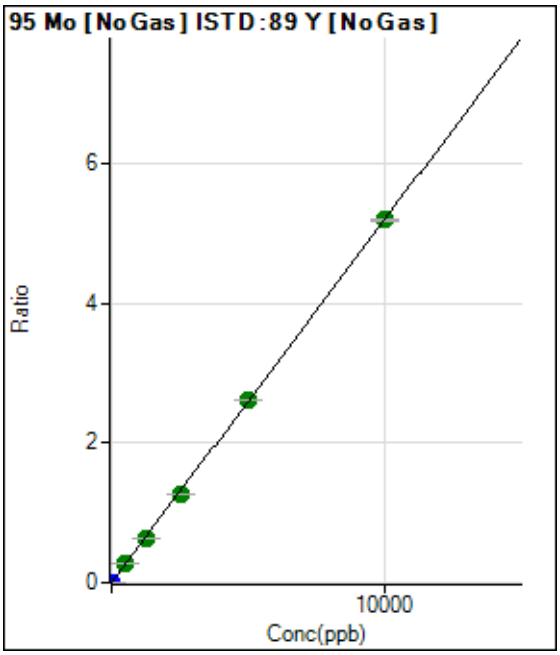
Reviewed By:jaswal
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	516.68	0.0000	P	4.9
2	☐	5.000	5.584	51065.35	0.0020	P	1.3
3	☐	500.000	509.326	4301014.79	0.1820	A	0.9
4	☐	1250.000	1228.923	10498464.91	0.4392	A	0.5
5	☐	2500.000	2454.098	19902008.31	0.8769	A	0.2
6	☐	5000.000	5037.571	40796598.56	1.8001	A	0.3
7	☐	10000.000	9994.858	82573163.21	3.5715	A	0.6
8	☐			23136.13	0.0010	P	2.0

y = 3.5733E-004 * x + 2.0167E-005
R = 1.0000
DL = 0.008329
BEC = 0.05644

Weight: <None>
Min Conc: 0

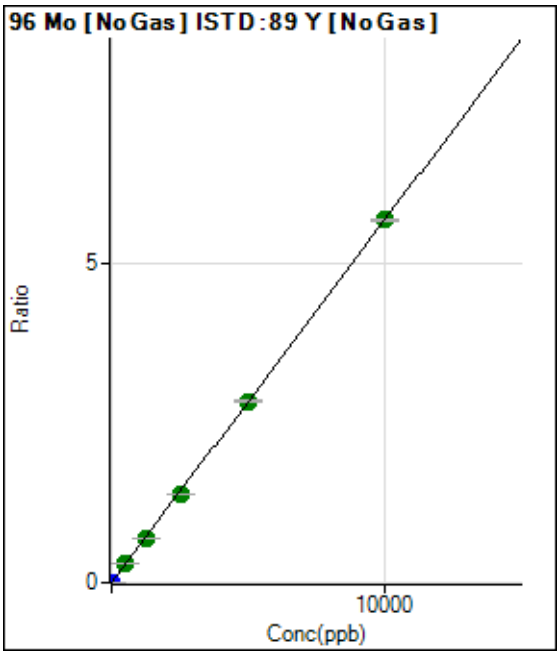


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	275.56	0.0000	P	7.7
2	☐	5.000	4.744	62788.28	0.0025	P	1.4
3	☐	500.000	509.542	6263859.07	0.2651	A	1.3
4	☐	1250.000	1222.352	15201752.27	0.6359	A	0.9
5	☐	2500.000	2456.622	29003229.84	1.2780	A	0.3
6	☐	5000.000	5029.587	59297276.34	2.6165	A	0.8
7	☐	10000.000	9999.030	120262463.76	5.2016	A	0.5
8	☐			23906.30	0.0011	P	1.8

y = 5.2021E-004 * x + 1.0757E-005
R = 1.0000
DL = 0.004779
BEC = 0.02068

Weight: <None>
Min Conc: 0

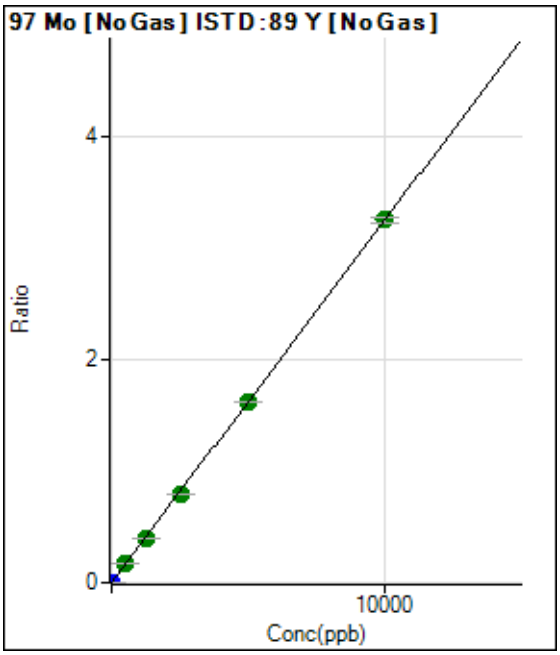
Reviewed By:jaswal
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	466.68	0.0000	P	9.3
2	☐	5.000	4.809	69459.33	0.0027	P	1.6
3	☐	500.000	508.967	6812992.95	0.2883	A	1.1
4	☐	1250.000	1226.196	16605048.64	0.6946	A	1.2
5	☐	2500.000	2452.128	31524076.47	1.3890	A	0.4
6	☐	5000.000	5005.701	64260324.60	2.8355	A	1.2
7	☐	10000.000	10011.645	131116253.60	5.6711	A	0.6
8	☐			42182.92	0.0019	P	4.5

y = 5.6645E-004 * x + 1.8217E-005
R = 1.0000
DL = 0.008975
BEC = 0.03216

Weight: <None>
Min Conc: 0

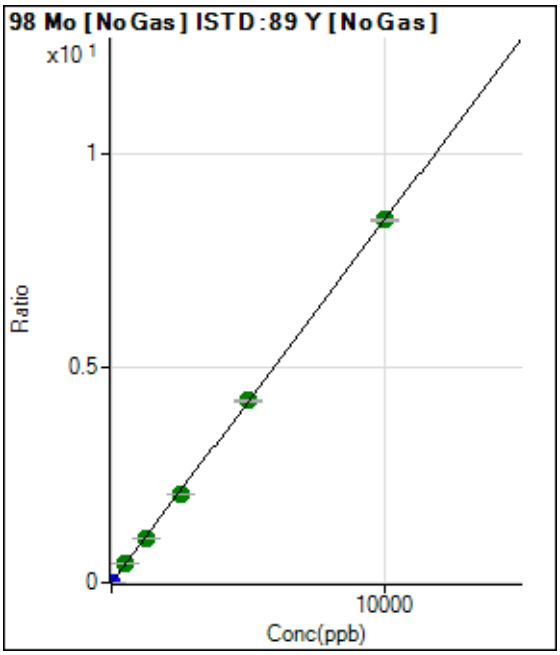


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	196.67	0.0000	P	4.9
2	☐	5.000	4.683	38736.76	0.0015	P	1.7
3	☐	500.000	507.150	3893632.03	0.1648	A	0.7
4	☐	1250.000	1221.042	9484204.65	0.3967	A	0.4
5	☐	2500.000	2447.481	18046590.98	0.7952	A	0.3
6	☐	5000.000	4997.133	36795372.78	1.6236	A	0.7
7	☐	10000.000	10017.826	75247229.43	3.2548	A	1.4
8	☐			14983.32	0.0007	P	1.6

y = 3.2490E-004 * x + 7.6782E-006
R = 1.0000
DL = 0.003482
BEC = 0.02363

Weight: <None>
Min Conc: 0

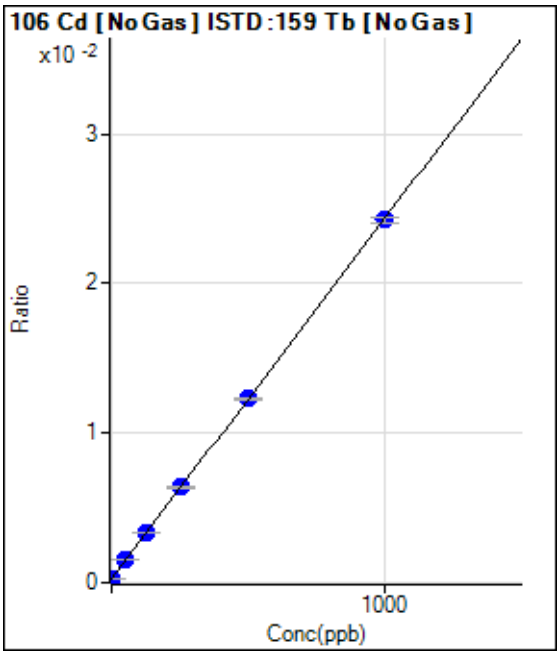
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	456.68	0.0000	P	7.7
2	☐	5.000	4.699	100886.27	0.0040	P	1.6
3	☐	500.000	508.864	10146921.10	0.4294	A	0.1
4	☐	1250.000	1221.461	24640399.35	1.0307	A	0.9
5	☐	2500.000	2452.929	46974718.19	2.0699	A	0.7
6	☐	5000.000	5016.496	95934204.13	4.2331	A	0.9
7	☐	10000.000	10006.644	195223314.87	8.4439	A	0.6
8	☐			37402.32	0.0016	P	3.5

y = 8.4383E-004 * x + 1.7830E-005
R = 1.0000
DL = 0.004906
BEC = 0.02113

Weight: <None>
Min Conc: 0

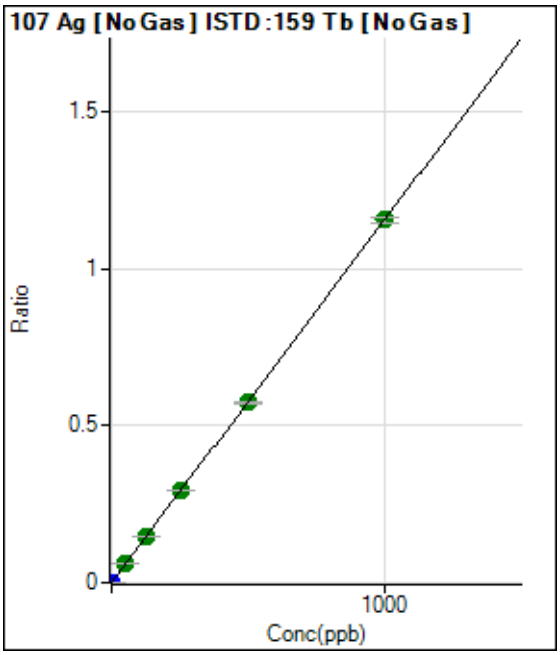


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	6999.52	0.0003	P	0.4
2	☐	1.000	1.393	7823.27	0.0003	P	3.4
3	☐	50.000	54.783	40767.09	0.0016	P	0.8
4	☐	125.000	128.814	89347.82	0.0034	P	2.5
5	☐	250.000	254.647	165008.35	0.0064	P	1.3
6	☐	500.000	501.491	325571.23	0.0123	P	0.8
7	☐	1000.000	997.376	648740.17	0.0242	P	1.5
8	☐			6756.08	0.0003	P	2.2

y = 2.4049E-005 * x + 2.5556E-004
R = 1.0000
DL = 0.1393
BEC = 10.63

Weight: <None>
Min Conc: 0

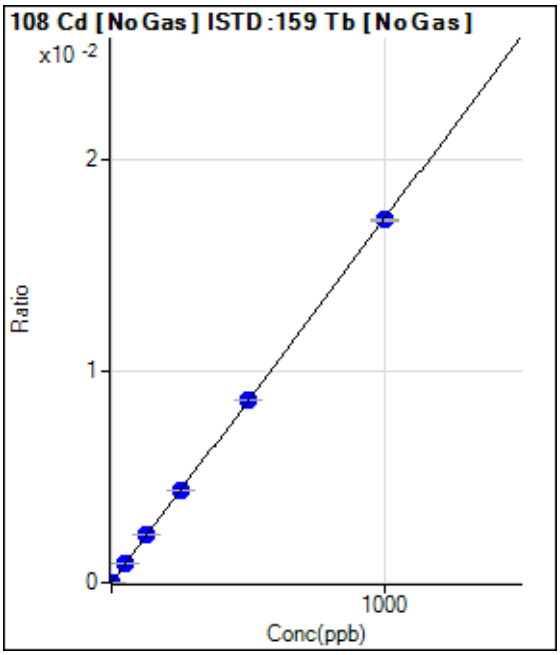
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	134.45	0.0000	P	10.6
2	☐	1.000	1.051	33036.49	0.0012	P	1.3
3	☐	50.000	54.812	1643476.64	0.0634	A	0.4
4	☐	125.000	128.939	3975089.28	0.1492	A	1.1
5	☐	250.000	252.500	7555686.97	0.2921	A	0.2
6	☐	500.000	496.633	15188230.75	0.5745	A	0.5
7	☐	1000.000	1000.326	30970102.59	1.1572	A	1.3
8	☐			5767.88	0.0002	P	12.9

y = 0.0012 * x + 4.9097E-006
R = 1.0000
DL = 0.001348
BEC = 0.004244

Weight: <None>
Min Conc: 0

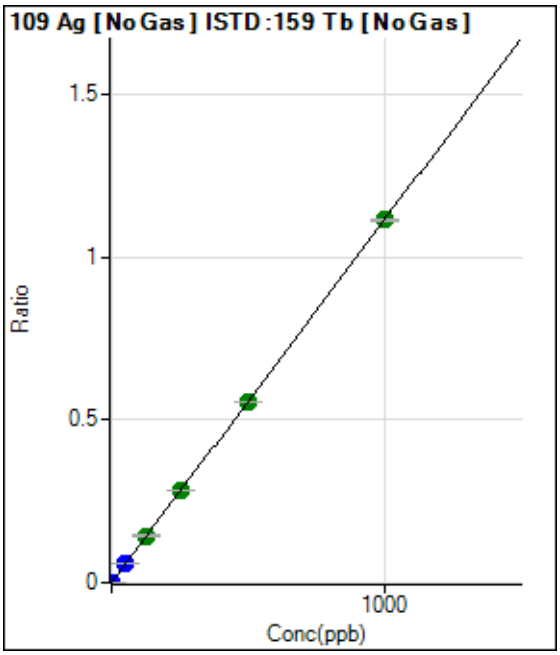


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	16.67	0.0000	P	34.8
2	☐	1.000	1.050	505.57	0.0000	P	10.4
3	☐	50.000	54.872	24484.02	0.0009	P	0.3
4	☐	125.000	130.811	59992.18	0.0023	P	1.3
5	☐	250.000	255.572	113758.23	0.0044	P	0.1
6	☐	500.000	502.053	228370.39	0.0086	P	0.8
7	☐	1000.000	996.610	458940.44	0.0171	P	0.8
8	☐			225.56	0.0000	P	12.0

y = 1.7206E-005 * x + 6.0883E-007
R = 1.0000
DL = 0.03694
BEC = 0.03538

Weight: <None>
Min Conc: 0

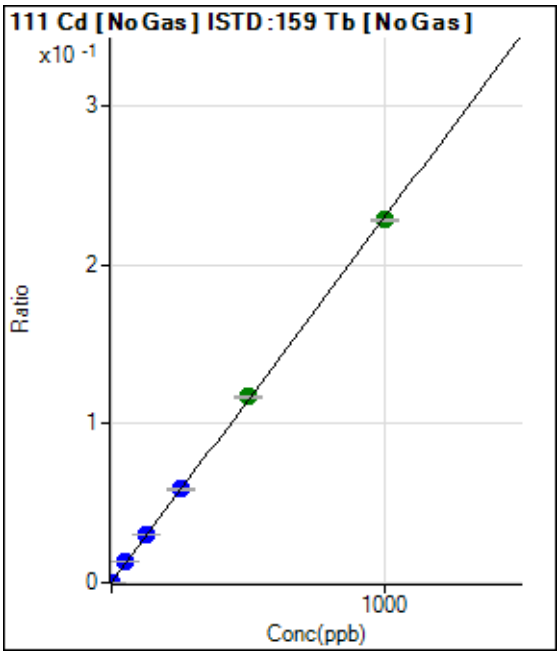
Reviewed By:jaswal
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	52.22	0.0000	P	20.5
2	☐	1.000	1.035	31271.49	0.0012	P	1.8
3	☐	50.000	54.857	1584287.86	0.0611	P	0.3
4	☐	125.000	129.265	3838203.59	0.1440	A	1.7
5	☐	250.000	252.651	7282185.45	0.2815	A	0.6
6	☐	500.000	497.606	14658428.12	0.5545	A	0.7
7	☐	1000.000	999.758	29816130.95	1.1141	A	0.7
8	☐			5544.45	0.0002	P	10.7

y = 0.0011 * x + 1.9067E-006
R = 1.0000
DL = 0.001052
BEC = 0.001711

Weight: <None>
Min Conc: 0

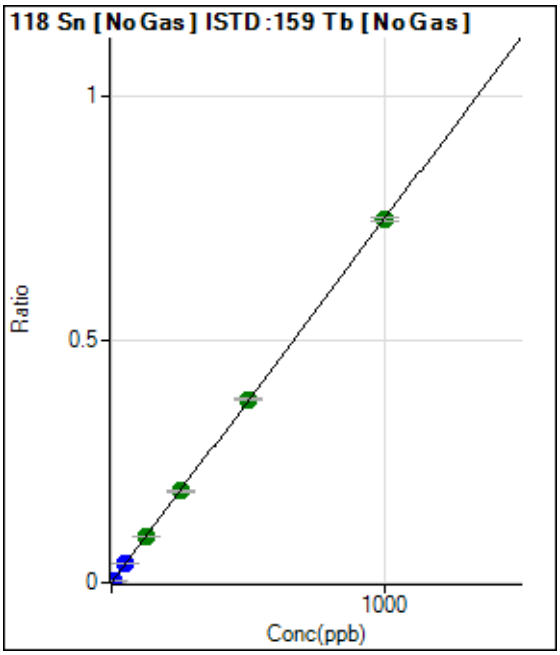


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	4936.89	0.0002	P	0.6
2	☐	1.000	1.133	11914.04	0.0004	P	1.7
3	☐	50.000	54.670	329824.71	0.0127	P	0.3
4	☐	125.000	130.210	800992.23	0.0301	P	2.3
5	☐	250.000	255.026	1518483.97	0.0587	P	0.6
6	☐	500.000	508.861	3091859.26	0.1170	A	0.6
7	☐	1000.000	993.428	6106321.39	0.2282	A	0.8
8	☐			6047.01	0.0002	P	0.5

y = 2.2949E-004 * x + 1.8025E-004
R = 0.9999
DL = 0.0135
BEC = 0.7854

Weight: <None>
Min Conc: 0

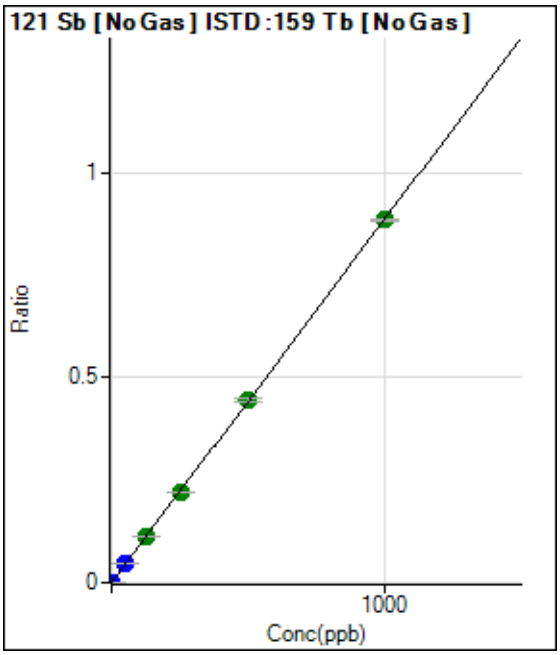
Reviewed By:jaswal
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Inst Id :P7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	5241.03	0.0002	P	0.6
2	☐	5.000	5.153	109514.32	0.0040	P	0.2
3	☐	50.000	53.300	1038407.67	0.0401	P	1.0
4	☐	125.000	127.781	2552383.69	0.0958	A	2.0
5	☐	250.000	251.567	4873180.03	0.1884	A	1.0
6	☐	500.000	504.269	9978231.66	0.3775	A	1.1
7	☐	1000.000	996.960	19967388.87	0.7461	A	0.9
8	☐			8923.96	0.0003	P	3.8

y = 7.4817E-004 * x + 1.9136E-004
R = 1.0000
DL = 0.004723
BEC = 0.2558

Weight: <None>
Min Conc: 0

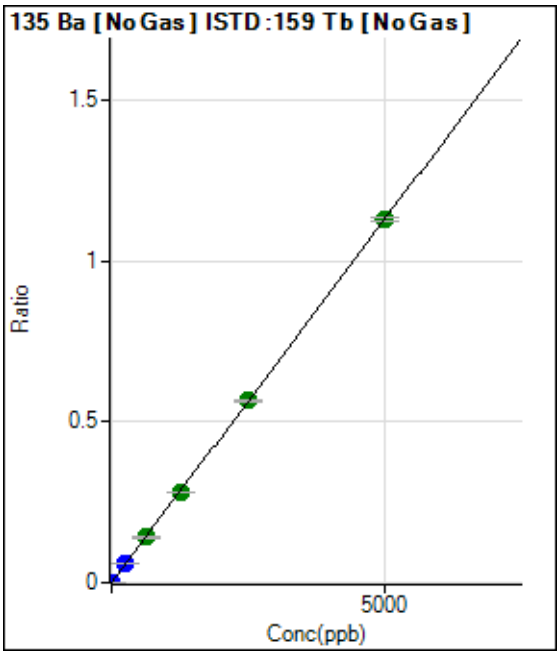


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	53.33	0.0000	P	10.6
2	☐	2.000	2.057	49414.45	0.0018	P	0.2
3	☐	50.000	52.075	1196582.01	0.0462	P	0.8
4	☐	125.000	126.812	2995639.33	0.1124	A	2.8
5	☐	250.000	248.541	5699737.62	0.2204	A	1.2
6	☐	500.000	502.484	11776741.21	0.4455	A	1.5
7	☐	1000.000	998.792	23699664.93	0.8855	A	0.9
8	☐			12156.41	0.0005	P	14.7

y = 8.8662E-004 * x + 1.9470E-006
R = 1.0000
DL = 0.0006983
BEC = 0.002196

Weight: <None>
Min Conc: 0

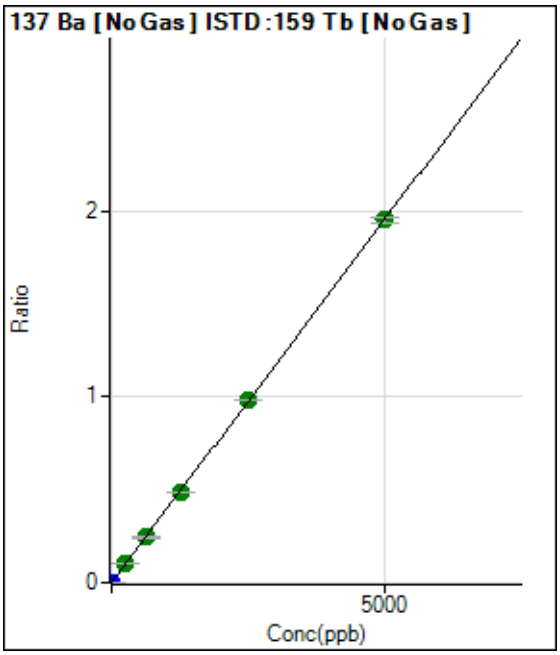
Reviewed By:jaswal
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	120.01	0.0000	P	9.4
2	☐	10.000	10.012	61258.71	0.0023	P	1.4
3	☐	250.000	258.915	1514428.05	0.0584	P	0.9
4	☐	625.000	623.241	3748203.83	0.1407	A	1.1
5	☐	1250.000	1243.823	7260776.49	0.2807	A	1.3
6	☐	2500.000	2508.859	14968094.92	0.5662	A	0.6
7	☐	5000.000	4996.889	30180965.66	1.1277	A	0.9
8	☐			13009.36	0.0005	P	3.9

y = 2.2569E-004 * x + 4.3810E-006
R = 1.0000
DL = 0.005472
BEC = 0.01941

Weight: <None>
Min Conc: 0

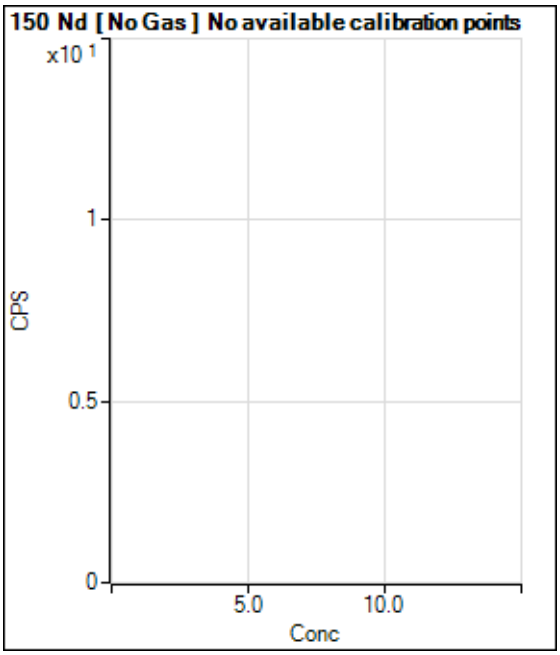


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	180.00	0.0000	P	14.9
2	☐	10.000	9.925	105176.38	0.0039	P	1.2
3	☐	250.000	258.815	2622479.37	0.1012	A	1.2
4	☐	625.000	626.214	6523678.17	0.2448	A	2.2
5	☐	1250.000	1244.663	12587370.09	0.4866	A	0.8
6	☐	2500.000	2506.499	25906814.89	0.9800	A	0.1
7	☐	5000.000	4997.493	52289802.00	1.9539	A	1.4
8	☐			22529.01	0.0009	P	0.6

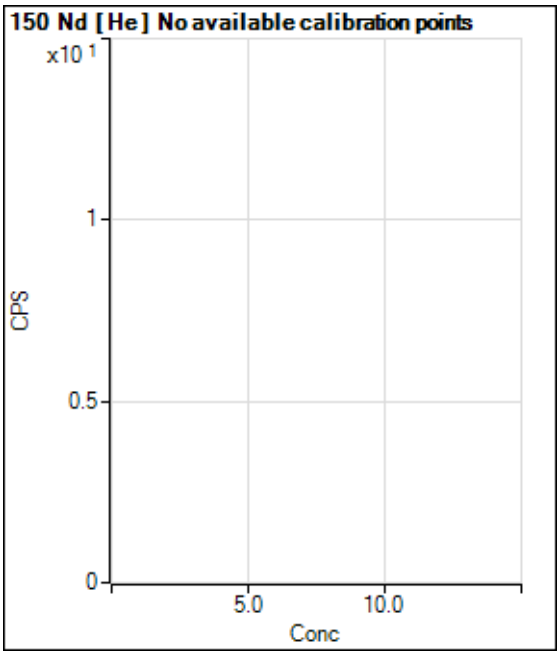
y = 3.9097E-004 * x + 6.5737E-006
R = 1.0000
DL = 0.007527
BEC = 0.01681

Weight: <None>
Min Conc: 0

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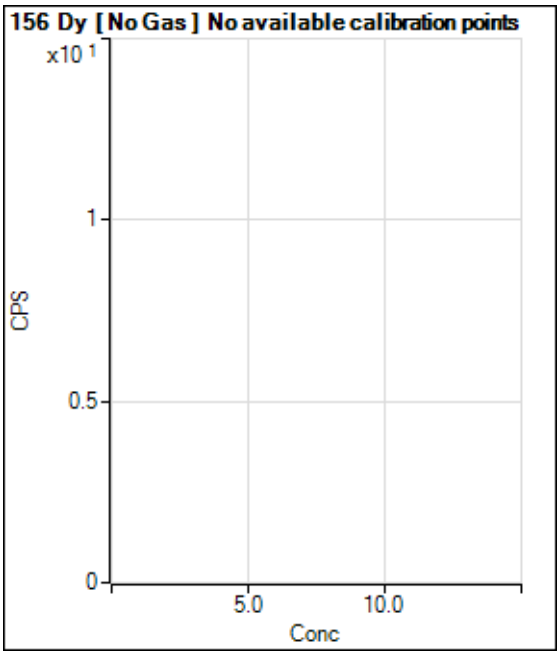


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			15.56		P	61.9
2	☐			20.00		P	28.9
3	☐			92.22		P	12.7
4	☐			225.56		P	6.0
5	☐			392.23		P	5.2
6	☐			784.47		P	9.1
7	☐			1552.32		P	3.7
8	☐			487.79		P	5.5

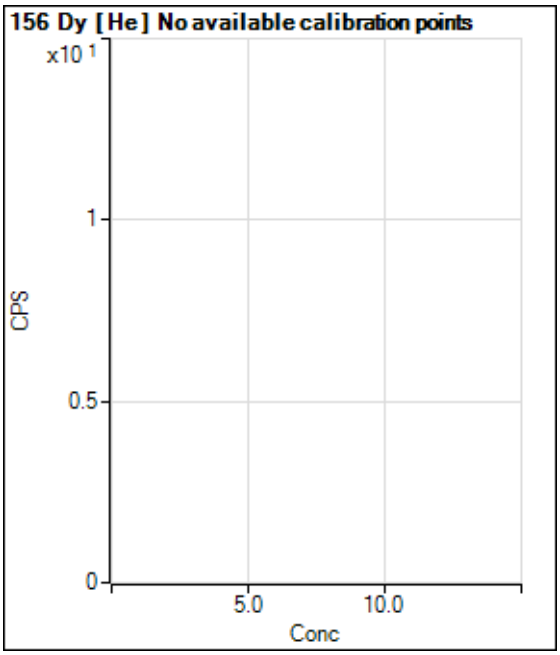


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			3.33		P	0.0
2	☐			6.67		P	50.0
3	☐			32.22		P	36.3
4	☐			41.11		P	47.5
5	☐			65.56		P	7.8
6	☐			153.34		P	12.1
7	☐			376.68		P	6.1
8	☐			287.78		P	9.9

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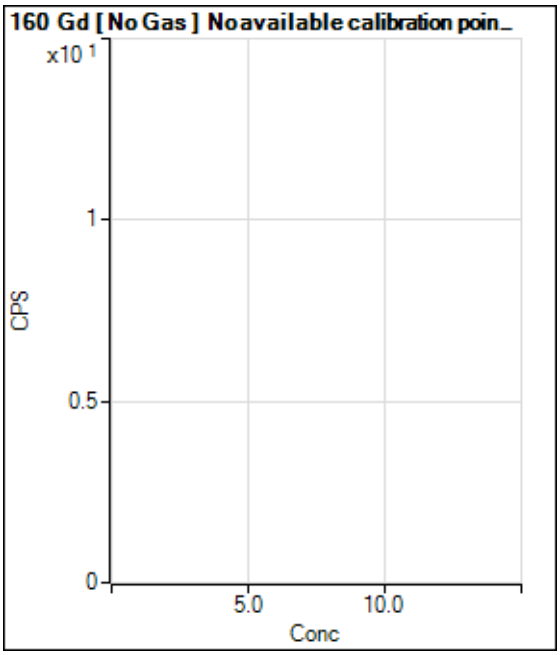


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1	☐			27.78		P	34.6
2	☐			33.33		P	10.0
3	☐			62.22		P	21.7
4	☐			116.67		P	27.6
5	☐			141.11		P	17.9
6	☐			295.56		P	19.7
7	☐			583.35		P	11.5
8	☐			945.60		P	5.8

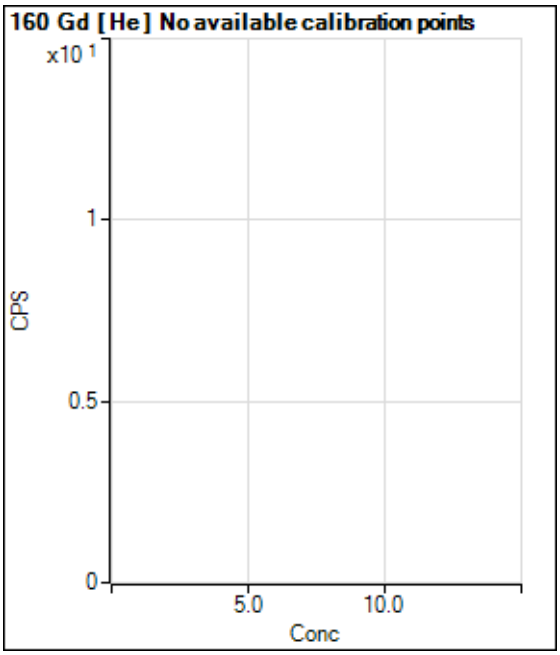


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1	☐			4.44		P	114.
2	☐			21.11		P	81.0
3	☐			104.45		P	15.7
4	☐			221.12		P	19.7
5	☐			362.23		P	2.7
6	☐			623.36		P	12.5
7	☐			1342.30		P	4.3
8	☐			746.70		P	5.3

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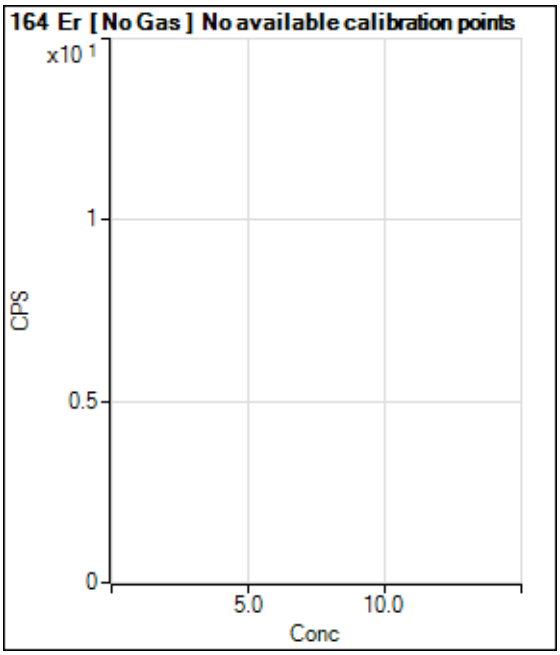


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			122.22		P	5.7
2	☐			135.56		P	5.1
3	☐			142.23		P	3.6
4	☐			181.11		P	6.5
5	☐			176.67		P	11.3
6	☐			282.23		P	10.7
7	☐			411.12		P	10.3
8	☐			940.04		P	5.8

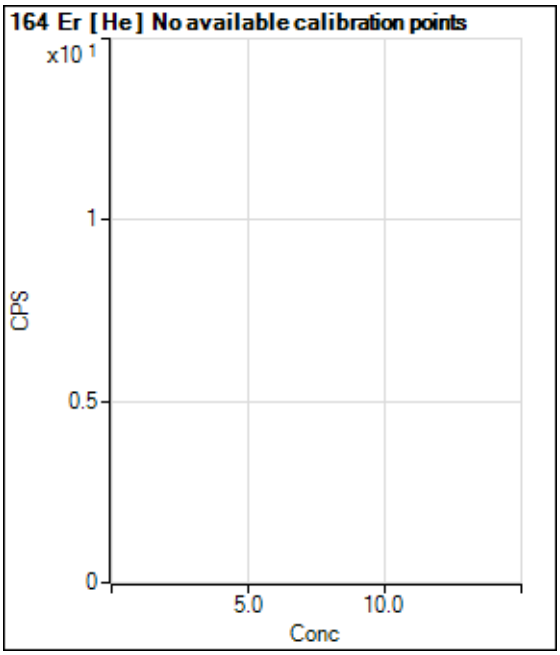


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1	☐			1086.72		P	4.4
2	☐			1045.61		P	3.7
3	☐			1013.38		P	13.3
4	☐			1086.72		P	6.3
5	☐			987.82		P	4.1
6	☐			1063.38		P	4.6
7	☐			1076.72		P	4.6
8	☐			1490.10		P	4.3

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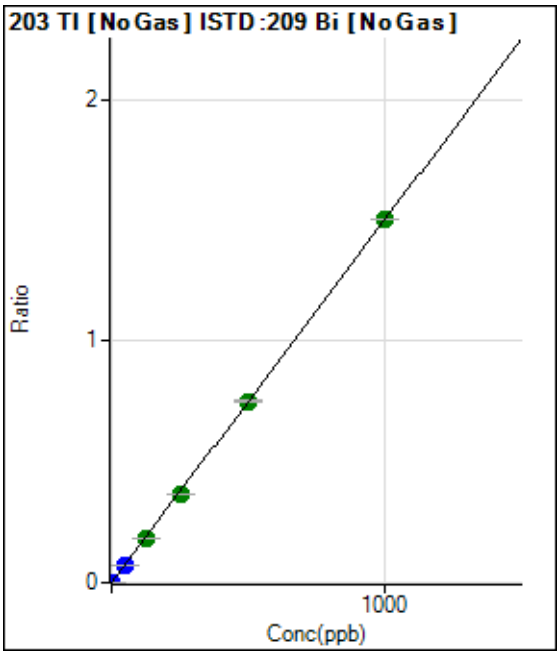


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			91.11		P	18.8
2	☐			101.11		P	5.0
3	☐			115.56		P	15.9
4	☐			134.45		P	8.0
5	☐			187.78		P	17.8
6	☐			313.34		P	13.8
7	☐			473.34		P	4.9
8	☐			1110.06		P	2.6



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			75.56		P	11.1
2	☐			60.00		P	44.5
3	☐			80.00		P	23.2
4	☐			104.45		P	10.3
5	☐			125.56		P	17.3
6	☐			196.67		P	10.2
7	☐			325.56		P	8.3
8	☐			710.02		P	4.5

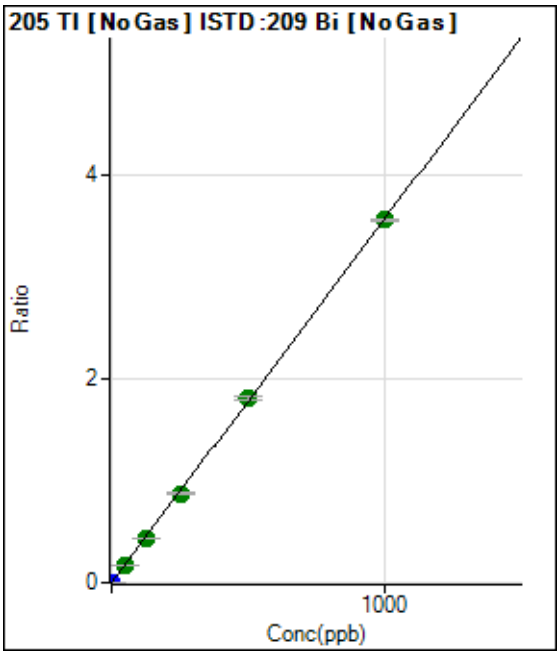
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	401.12	0.0000	P	3.0
2	☐	1.000	0.931	23202.02	0.0014	P	1.9
3	☐	50.000	50.005	1164955.78	0.0750	P	0.6
4	☐	125.000	122.058	2966687.49	0.1830	A	0.8
5	☐	250.000	244.778	5799753.80	0.3670	A	0.4
6	☐	500.000	501.120	12073626.07	0.7512	A	1.7
7	☐	1000.000	1001.113	24317744.64	1.5008	A	0.1
8	☐			3278.22	0.0002	P	16.8

y = 0.0015 * x + 2.4273E-005
R = 1.0000
DL = 0.001438
BEC = 0.01619

Weight: <None>
Min Conc: 0

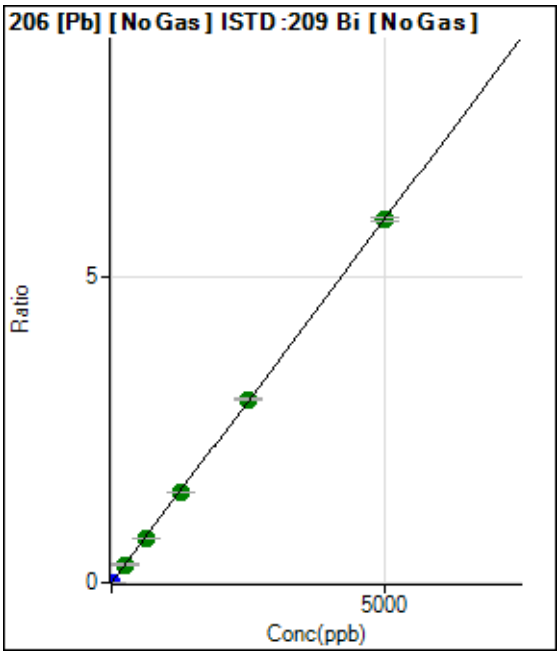


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	912.26	0.0001	P	3.1
2	☐	1.000	0.940	55744.65	0.0034	P	2.3
3	☐	50.000	49.754	2760280.17	0.1777	A	0.3
4	☐	125.000	121.409	7027308.02	0.4335	A	1.8
5	☐	250.000	245.948	13877678.82	0.8781	A	0.3
6	☐	500.000	506.892	29083576.79	1.8096	A	1.8
7	☐	1000.000	998.028	57732582.47	3.5630	A	0.4
8	☐			8068.06	0.0006	P	13.1

y = 0.0036 * x + 5.5226E-005
R = 1.0000
DL = 0.001453
BEC = 0.01547

Weight: <None>
Min Conc: 0

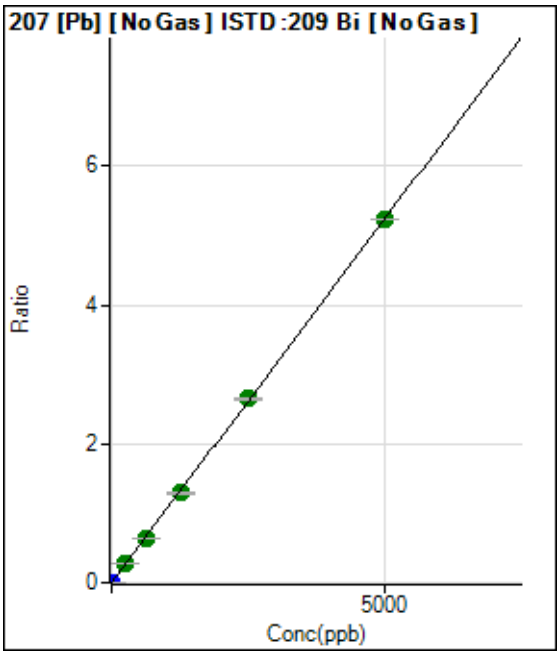
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	927.82	0.0001	P	5.2
2	☐	1.000	0.944	19219.23	0.0012	P	0.8
3	☐	250.000	251.108	4630088.61	0.2980	A	0.8
4	☐	625.000	609.315	11722572.46	0.7231	A	1.3
5	☐	1250.000	1234.523	23154620.49	1.4650	A	0.1
6	☐	2500.000	2523.716	48134263.17	2.9949	A	1.5
7	☐	5000.000	4993.917	96024246.35	5.9263	A	1.0
8	☐			16898.39	0.0012	P	5.6

y = 0.0012 * x + 5.6151E-005
R = 1.0000
DL = 0.007332
BEC = 0.04732

Weight: <None>
Min Conc: 0

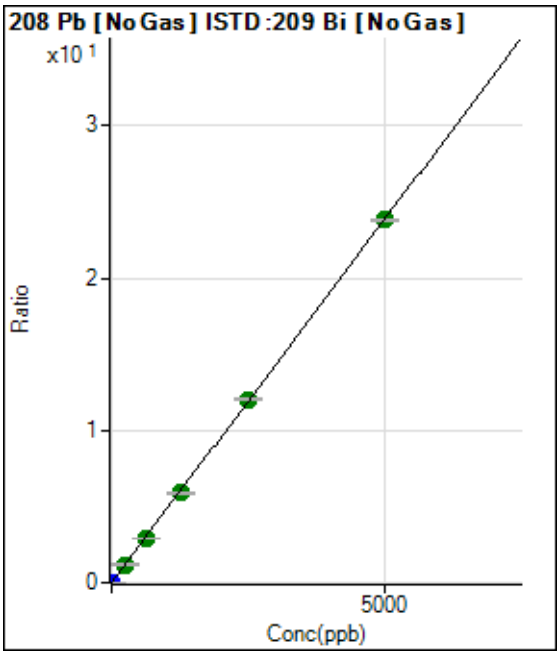


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	831.15	0.0001	P	7.2
2	☐	1.000	0.941	16911.73	0.0010	P	1.8
3	☐	250.000	252.261	4101817.65	0.2640	A	0.6
4	☐	625.000	613.081	10400652.14	0.6416	A	0.8
5	☐	1250.000	1232.904	20390303.45	1.2901	A	0.8
6	☐	2500.000	2528.972	42532187.14	2.6463	A	1.5
7	☐	5000.000	4991.165	84625385.40	5.2227	A	0.1
8	☐			14945.00	0.0011	P	5.0

y = 0.0010 * x + 5.0329E-005
R = 1.0000
DL = 0.01046
BEC = 0.0481

Weight: <None>
Min Conc: 0

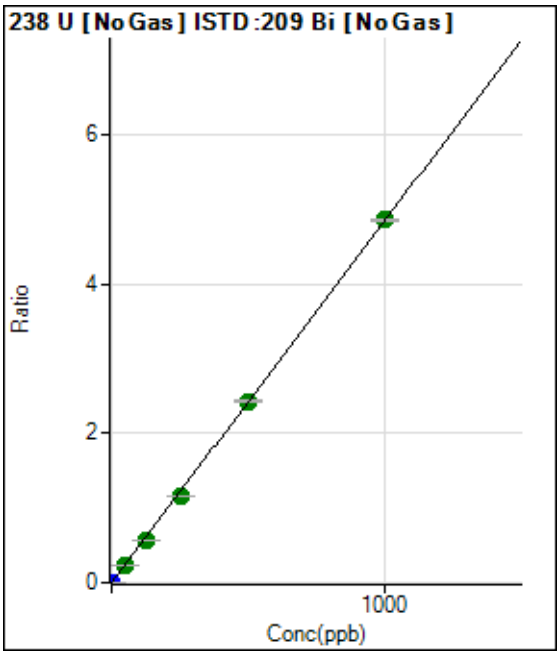
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3742.47	0.0002	P	1.9
2	☐	1.000	0.945	77331.10	0.0047	P	0.7
3	☐	250.000	251.203	18605843.89	1.1976	A	0.4
4	☐	625.000	609.507	47102360.06	2.9055	A	1.2
5	☐	1250.000	1231.543	92782865.98	5.8706	A	0.1
6	☐	2500.000	2521.189	193154613.23	12.0179	A	1.3
7	☐	5000.000	4995.896	385866470.91	23.8140	A	0.2
8	☐			67652.79	0.0048	P	4.5

y = 0.0048 * x + 2.2656E-004
R = 1.0000
DL = 0.00272
BEC = 0.04753

Weight: <None>
Min Conc: 0

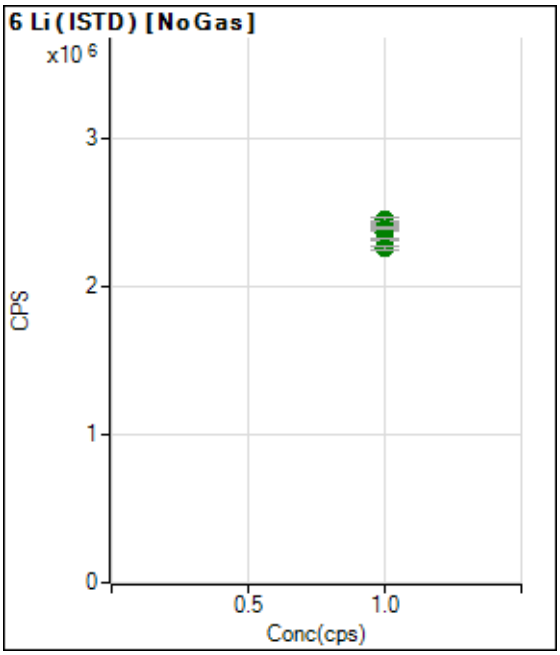


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	42.22	0.0000	P	26.9
2	☐	1.000	0.853	67610.33	0.0041	P	0.9
3	☐	50.000	47.505	3577526.37	0.2303	A	1.1
4	☐	125.000	116.386	9146493.41	0.5642	A	2.2
5	☐	250.000	238.335	18261168.34	1.1554	A	0.7
6	☐	500.000	501.398	39066186.64	2.4307	A	1.3
7	☐	1000.000	1003.419	78819154.94	4.8644	A	0.4
8	☐			8298.23	0.0006	P	11.1

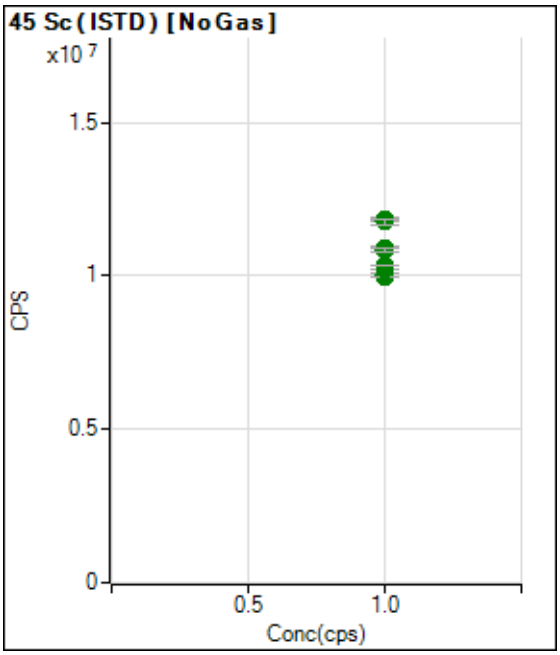
y = 0.0048 * x + 2.5522E-006
R = 0.9999
DL = 0.0004248
BEC = 0.0005265

Weight: <None>
Min Conc: 0

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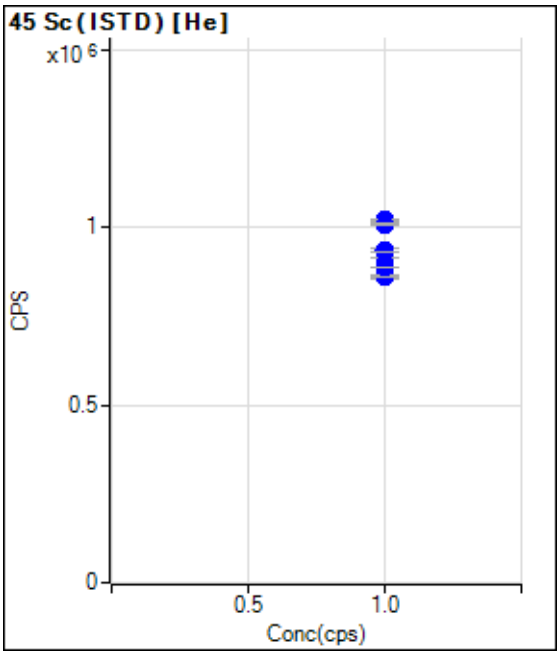


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		2361268.25		A	2.8
2	☐	1.000		2406162.44		A	1.7
3	☐	1.000		2322968.43		A	0.7
4	☐	1.000		2454324.97		A	1.1
5	☐	1.000		2395311.37		A	1.7
6	☐	1.000		2392558.91		A	0.8
7	☐	1.000		2398799.76		A	0.7
8	☐	1.000		2264798.95		A	0.7

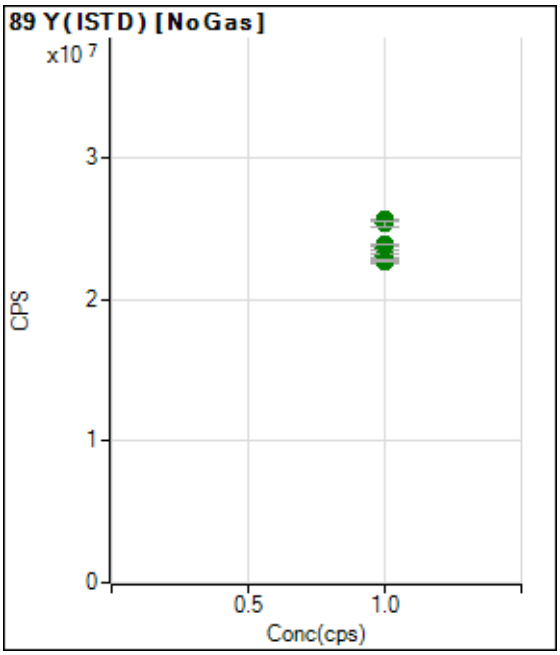


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		11826825.38		A	1.0
2	☐	1.000		11762982.46		A	1.6
3	☐	1.000		10921035.25		A	0.7
4	☐	1.000		10841870.26		A	1.5
5	☐	1.000		10016651.24		A	1.1
6	☐	1.000		9967901.17		A	0.6
7	☐	1.000		10211244.78		A	0.4
8	☐	1.000		10366253.80		A	0.1

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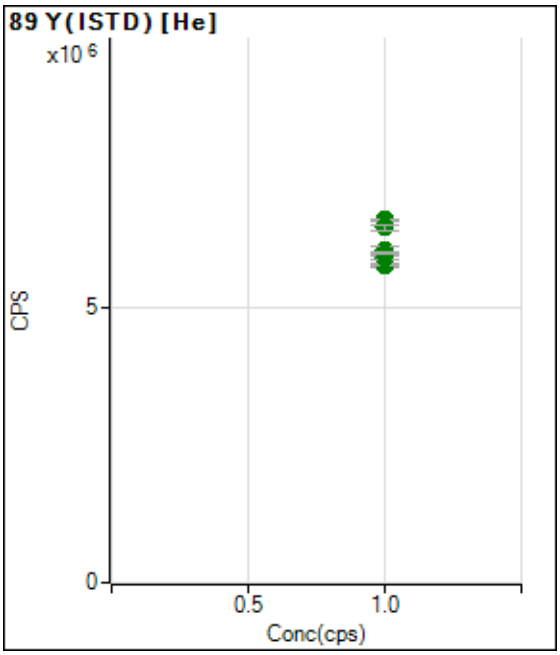


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1	☐	1.000		1021417.29		P	0.6
2	☐	1.000		1008241.81		P	0.5
3	☐	1.000		936499.18		P	1.3
4	☐	1.000		915763.98		P	0.1
5	☐	1.000		859737.12		P	0.6
6	☐	1.000		864637.73		P	0.5
7	☐	1.000		888160.18		P	0.5
8	☐	1.000		930475.75		P	0.0

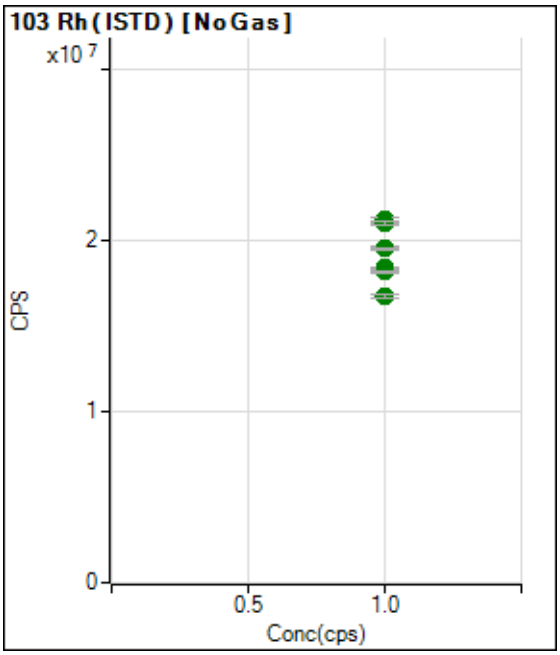


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1	☐	1.000		25617631.01		A	0.5
2	☐	1.000		25335084.62		A	1.5
3	☐	1.000		23629971.59		A	0.7
4	☐	1.000		23906388.26		A	0.3
5	☐	1.000		22694910.77		A	0.6
6	☐	1.000		22663735.22		A	0.5
7	☐	1.000		23120914.10		A	0.9
8	☐	1.000		22725476.88		A	0.8

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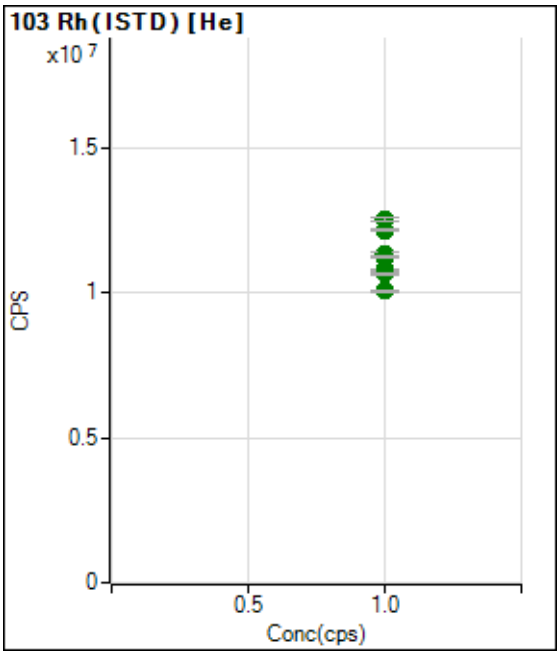


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		6608059.14		A	0.6
2	☐	1.000		6463031.01		A	1.5
3	☐	1.000		6065593.73		A	1.7
4	☐	1.000		6005928.31		A	1.0
5	☐	1.000		5766191.23		A	1.3
6	☐	1.000		5799963.52		A	0.8
7	☐	1.000		5915859.77		A	1.2
8	☐	1.000		5994631.16		A	0.6

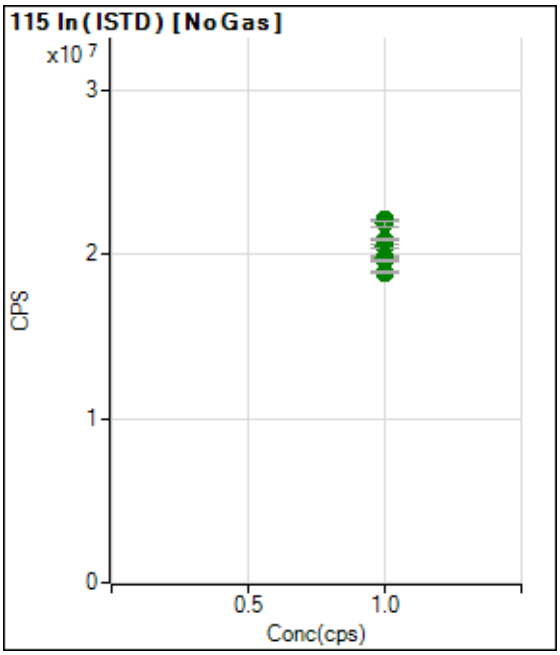


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		21165831.35		A	1.2
2	☐	1.000		20955783.02		A	1.4
3	☐	1.000		19533415.13		A	1.0
4	☐	1.000		19496717.35		A	0.4
5	☐	1.000		18354058.20		A	1.1
6	☐	1.000		18138342.37		A	1.0
7	☐	1.000		18135558.62		A	0.7
8	☐	1.000		16677621.83		A	1.2

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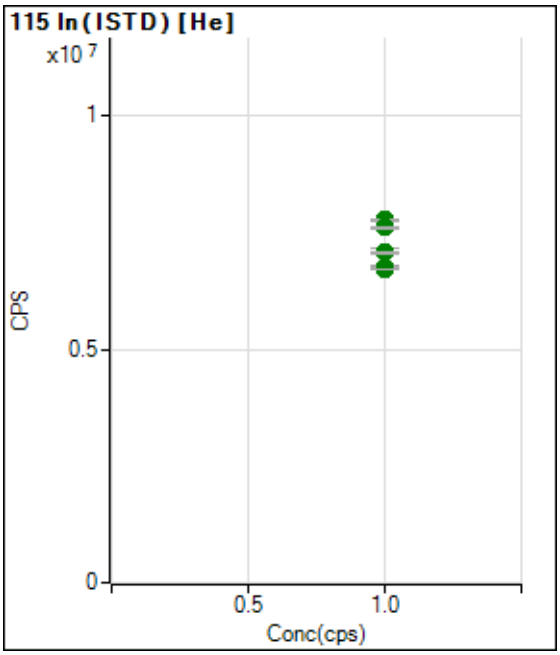


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		12517877.73		A	1.0
2	☐	1.000		12164574.13		A	0.7
3	☐	1.000		11359287.89		A	1.3
4	☐	1.000		11228384.56		A	0.6
5	☐	1.000		10796801.09		A	0.8
6	☐	1.000		10704081.30		A	0.4
7	☐	1.000		10668985.67		A	0.5
8	☐	1.000		10057004.36		A	0.7

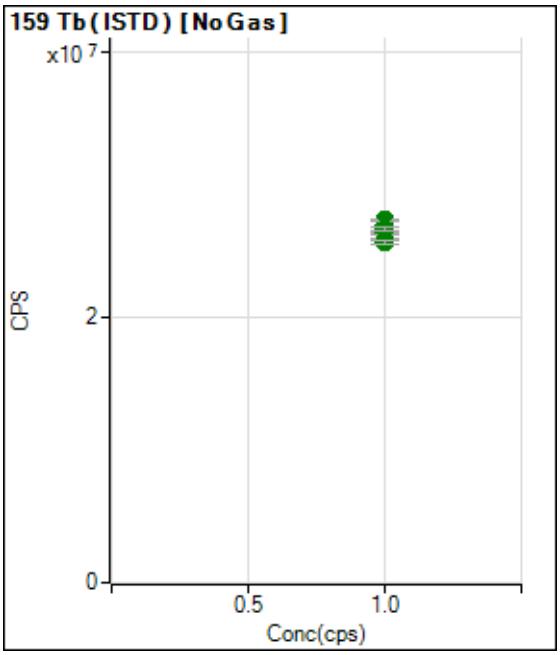


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		22087660.89		A	0.7
2	☐	1.000		21887137.41		A	1.6
3	☐	1.000		20491588.83		A	1.3
4	☐	1.000		20872994.52		A	0.2
5	☐	1.000		19779706.66		A	0.5
6	☐	1.000		19757835.94		A	1.0
7	☐	1.000		19620315.21		A	0.8
8	☐	1.000		18896669.27		A	0.2

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On:12/3/2024 8:29:37 PM
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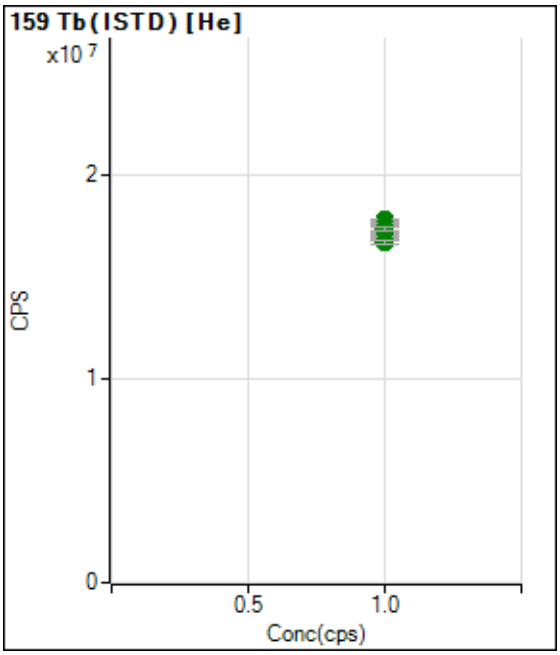


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		7767507.27		A	0.9
2	☐	1.000		7597260.05		A	1.0
3	☐	1.000		7098382.45		A	1.7
4	☐	1.000		7061633.71		A	0.4
5	☐	1.000		6758384.90		A	0.4
6	☐	1.000		6753399.38		A	0.6
7	☐	1.000		6758949.60		A	0.5
8	☐	1.000		6701183.02		A	0.1

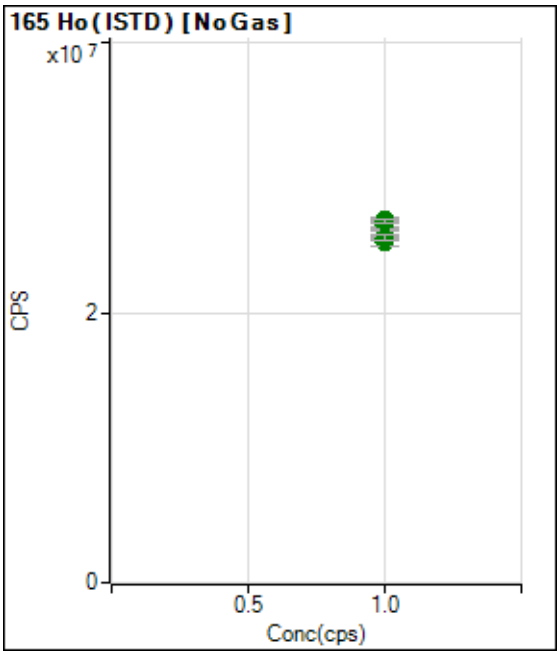


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		27388582.37		A	0.3
2	☐	1.000		27060398.21		A	1.3
3	☐	1.000		25916565.73		A	0.9
4	☐	1.000		26649019.33		A	1.2
5	☐	1.000		25865924.34		A	0.4
6	☐	1.000		26436012.66		A	0.8
7	☐	1.000		26764290.71		A	1.0
8	☐	1.000		25696512.12		A	1.5

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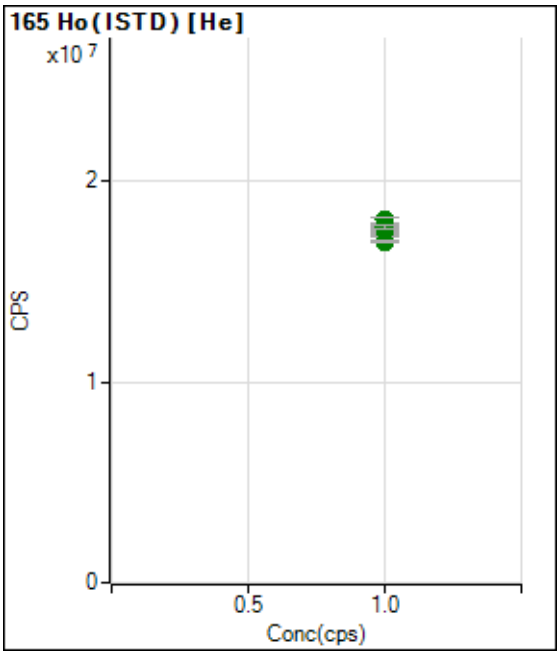


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		17800965.15		A	0.7
2	☐	1.000		17564005.71		A	0.6
3	☐	1.000		16773762.95		A	1.6
4	☐	1.000		17230669.74		A	0.3
5	☐	1.000		17015898.63		A	0.5
6	☐	1.000		17249872.52		A	0.6
7	☐	1.000		17322921.41		A	1.1
8	☐	1.000		16715378.92		A	1.2

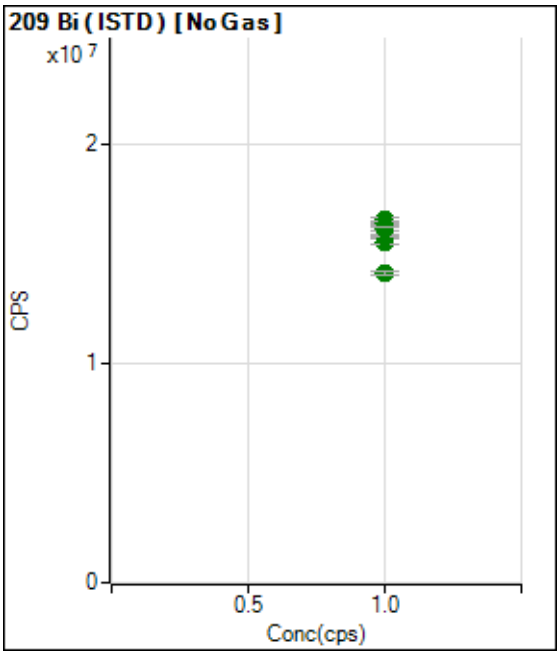


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		26873625.43		A	1.4
2	☐	1.000		26524130.72		A	1.7
3	☐	1.000		25153583.51		A	1.5
4	☐	1.000		26266297.39		A	1.1
5	☐	1.000		25550049.62		A	0.4
6	☐	1.000		26187160.16		A	0.5
7	☐	1.000		26766796.55		A	0.7
8	☐	1.000		25528171.84		A	1.7

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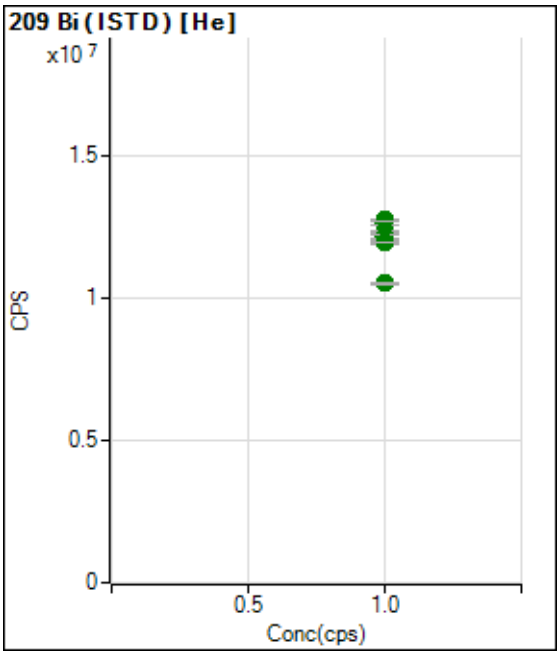


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		18090615.15		A	1.5
2	☐	1.000		17679369.04		A	0.6
3	☐	1.000		17227804.74		A	1.5
4	☐	1.000		17493879.60		A	0.3
5	☐	1.000		17294226.41		A	0.3
6	☐	1.000		17580425.71		A	0.6
7	☐	1.000		17752977.79		A	0.9
8	☐	1.000		17014178.50		A	0.2



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		16521314.48		A	1.3
2	☐	1.000		16346764.34		A	1.3
3	☐	1.000		15535727.55		A	1.3
4	☐	1.000		16211729.06		A	0.5
5	☐	1.000		15804660.32		A	0.4
6	☐	1.000		16073426.43		A	1.1
7	☐	1.000		16203376.42		A	0.2
8	☐	1.000		14090736.46		A	1.4

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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		12725462.31		A	0.8
2	☐	1.000		12634860.92		A	0.9
3	☐	1.000		11998790.93		A	1.7
4	☐	1.000		12329749.95		A	0.5
5	☐	1.000		12030293.29		A	0.5
6	☐	1.000		12124966.90		A	0.9
7	☐	1.000		11942695.24		A	0.4
8	☐	1.000		10492619.43		A	0.4

Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7
ClientSampleId :TUNE001

US EPA Tune Check Report

Operator Name	Jaswal
Acq/Data Batch	D:\Agilent\ICPMH\1\DATA\P7112724-MS3.b
Acq. Date-Time	2024-11-27 15:12:03
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		12775	127751.48			0.954	5.000
24		104844	1048435.29			0.778	5.000
25		13470	134698.71			0.695	5.000
26		15433	154332.76			0.668	5.000
59		190516	1905160.98			0.732	5.000
113		27035	270346.23			0.195	5.000
115		333547	3335474.12			0.810	5.000
206		72515	725145.26			0.573	5.000
207		63372	633719.41			0.494	5.000
208		153572	1535722.52			0.626	5.000
220		0	2.70			48.290	

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

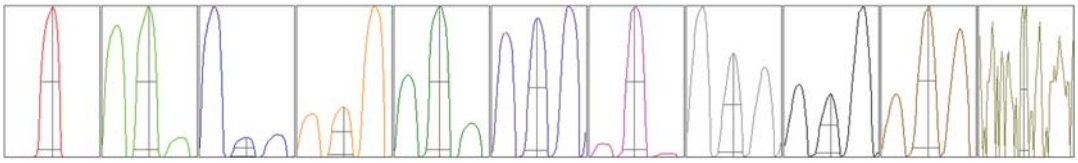
Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	12587	12719	12836	12883	12851
24	104075	104312	106125	104581	105125
25	13354	13406	13465	13542	13582
26	15270	15395	15502	15477	15522
59	191189	191551	188507	189625	191708
113	27090	27019	27075	26956	27033
115	334173	330869	335316	336730	330648
206	72353	71986	73131	72507	72595
207	63036	63174	63740	63242	63667
208	153126	154290	153105	152498	154843

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	23287.27	9.05	8.90 - 9.10	
24	176874.39	24.00	23.90 - 24.10	
25	22513.27	25.00	24.90 - 25.10	
26	25829.82	26.00	25.90 - 26.10	
59	322620.88	58.95	58.90 - 59.10	
113	49683.54	112.95	112.90 - 113.10	
115	607999.34	114.95	114.90 - 115.10	
206	136519.21	206.00	205.90 - 206.10	
207	118397.68	207.00	206.90 - 207.10	
208	283031.12	208.00	207.90 - 208.10	
220	0.45	219.95	-	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.58	0.734	0.900	
24	0.63	0.784	0.900	
25	0.62	0.781	0.900	
26	0.62	0.786	0.900	
59	0.61	0.775	0.900	
113	0.56	0.750	0.900	
115	0.56	0.777	0.900	
206	0.55	0.782	0.900	
207	0.55	0.782	0.900	
208	0.55	0.837	0.900	
220	0.24	0.294		

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	8.9 V	Deflect	15.6 V
Extract 2	-170.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-80 V	Cell Exit	-50 V		

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	---	OctP RF	200 V		

QP Parameters

Mass Gain	135	Axis Gain	0.9976	QP Bias	-3.0 V
Mass Offset	130	Axis Offset	0.14		

Hardware Settings

Torch

Torch H	0.1 mm	Torch V	0.4 mm		

EM

Discriminator	4.7 mV	Analog HV	2225 V	Pulse HV	987 V

[He]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
59		63913	639129.45			0.666	
89		69168	691679.92			0.654	
205		75323	753230.87			0.730	

Mass	RSD% (Flag)
59	
89	
205	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
59	64433	64300	63629	63480	63723
89	69917	69238	69002	68763	68920
205	76045	75765	74824	75096	74885

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	9.5 V	Deflect	3.6 V

Reviewed By:jaswal
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ClientSampleId :TUNE001

US EPA Tune Check Report

Extract 2	-170.0 V	Cell Entrance	-40 V	Plate Bias	-60
Omega Bias	-85 V	Cell Exit	-60 V		

Cell Parameters

Use Gas	Yes	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	3.9 mL/min	OctP Bias	-18.0 V		
H2 Flow	---	OctP RF	200 V		

QP Parameters

Mass Gain	135	Axis Gain	0.9976	QP Bias	-13.0 V
Mass Offset	130	Axis Offset	0.14		

Hardware Settings

Torch

Torch H	0.1 mm	Torch V	0.4 mm		

EM

Discriminator	4.7 mV	Analog HV	2225 V	Pulse HV	987 V

Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 16:10:16	DataFile Name :	006CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.01	-0.01	0.02	0.00	N/A	ppb
Antimony	121-1	0.00	0.00	0.00	0.00	N/A	ppb
Arsenic	75-2	0.00	0.00	0.00	0.00	N/A	ppb
Barium	135-1	0.00	0.00	0.00	0.00	N/A	ppb
Barium	137-1	0.00	0.00	0.00	0.00	N/A	ppb
Beryllium	9-1	0.00	0.00	0.00	0.00	N/A	ppb
Bismuth	209-1				100		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.01	-0.01	0.01	0.00	N/A	ppb
Cadmium	106-1	-0.04	-0.01	0.05	0.00	N/A	ppb
Cadmium	111-1	0.00	0.00	0.01	0.00	N/A	ppb
Calcium	43-1	-0.23	0.40	-0.18	0.00	N/A	ppb
Calcium	44-1	-0.26	-0.07	0.32	0.00	N/A	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.00	0.01	-0.01	0.00	N/A	ppb
Cobalt	59-2	0.00	0.00	0.00	0.00	N/A	ppb
Copper	63-2	0.00	0.00	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	0.01	-0.01	0.00	0.00	N/A	ppb
Iron	57-2	-0.05	0.29	-0.24	0.00	N/A	ppb
Iron	54-2	0.02	-0.19	0.17	0.00	N/A	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 16:10:16	DataFile Name :	006CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.00	0.00	0.00	0.00	N/A	ppb
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	-0.07	0.04	0.03	0.00	N/A	ppb
Manganese	55-2	-0.01	0.01	0.00	0.00	N/A	ppb
Molybdenum	94-1	0.00	0.00	0.00	0.00	N/A	ppb
Molybdenum	95-1	0.00	0.00	0.00	0.00	N/A	ppb
Molybdenum	96-1	0.00	0.00	0.00	0.00	N/A	ppb
Molybdenum	97-1	0.00	0.00	0.00	0.00	N/A	ppb
Molybdenum	98-1	0.00	0.00	0.00	0.00	N/A	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.01	-0.02	0.03	0.00	N/A	ppb
Phosphorus	31-2	-16.71	-18.04	-16.18	-16.98		ppb
Potassium	39-2	-0.77	0.22	0.55	0.00	N/A	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	82-1	0.02	0.02	-0.03	0.00	N/A	ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	0.32	0.01	-0.33	0.00	N/A	ppb
Silicon	28-1	0.25	-0.15	-0.09	0.00	N/A	ppb
Silver	107-1	0.00	0.00	0.00	0.00	N/A	ppb
Silver	109-1	0.00	0.00	0.00	0.00	N/A	ppb
Sodium	23-2	-0.27	0.12	0.15	0.00	N/A	ppb
Strontium	86-1	-0.13	0.10	0.03	0.00	N/A	ppb
Strontium	88-1	-0.02	0.01	0.01	0.00	N/A	ppb
Sulfur	34-1	-75.47	-67.68	-60.79	-67.98		ppb
Terbium	159-1				100		%
Terbium	159-2				100		%
Thallium	203-1	0.00	0.00	0.00	0.00	N/A	ppb
Thallium	205-1	0.00	0.00	0.00	0.00	N/A	ppb
Tin	118-1	0.00	0.00	0.00	0.00	N/A	ppb
Titanium	47-1	-0.01	0.00	0.01	0.00	N/A	ppb

Reviewed By:jaswal
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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 16:10:16	DataFile Name :	006CALB.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	0.01	0.00	-0.01	0.00	N/A	ppb
Zirconium	90-1	0.00	0.00	0.00	0.00	N/A	ppb
Zirconium	91-1	0.00	0.00	0.00	0.00	N/A	ppb

Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P7
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 16:16:54	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	18.59	18.83	18.64	18.69	0.68	ppb
Antimony	121-1	2.06	2.05	2.06	2.06	0.21	ppb
Arsenic	75-2	1.05	1.13	1.08	1.09	3.56	ppb
Barium	135-1	9.97	9.91	10.17	10.01	1.36	ppb
Barium	137-1	9.94	9.80	10.03	9.93	1.18	ppb
Beryllium	9-1	1.07	1.10	1.05	1.07	2.48	ppb
Bismuth	209-1				99		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.18	0.97	1.00	1.05	10.73	ppb
Cadmium	106-1	1.87	1.19	1.12	1.39	29.49	ppb
Cadmium	111-1	1.16	1.10	1.15	1.13	2.85	ppb
Calcium	43-1	517.74	528.43	526.73	524.30	1.10	ppb
Calcium	44-1	514.67	527.49	525.78	522.65	1.33	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.00	1.96	1.99	1.98	0.86	ppb
Cobalt	59-2	1.05	1.06	1.05	1.05	0.56	ppb
Copper	63-2	1.94	1.90	1.96	1.93	1.38	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				99		%
Holmium	165-2				98		%
Indium	115-1				99		%
Indium	115-2				98		%
Iron	56-2	54.32	54.37	54.86	54.51	0.55	ppb
Iron	57-2	57.95	56.83	60.51	58.43	3.23	ppb
Iron	54-2	56.11	57.88	56.44	56.81	1.66	ppb
Krypton	83-1						cps

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P7
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 16:16:54	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.94	0.94	0.95	0.94	0.84	ppb
Lead	207-1	0.94	0.92	0.96	0.94	1.85	ppb
Lead	208-1	0.94	0.94	0.95	0.94	0.71	ppb
Lithium	6-1				102		%
Magnesium	24-2	490.76	485.26	487.81	487.94	0.56	ppb
Manganese	55-2	0.97	0.99	0.95	0.97	1.76	ppb
Molybdenum	94-1	5.65	5.50	5.60	5.58	1.29	ppb
Molybdenum	95-1	4.68	4.75	4.80	4.74	1.36	ppb
Molybdenum	96-1	4.72	4.87	4.83	4.81	1.64	ppb
Molybdenum	97-1	4.59	4.76	4.70	4.68	1.75	ppb
Molybdenum	98-1	4.61	4.75	4.73	4.70	1.57	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.92	0.93	0.92	0.92	0.64	ppb
Phosphorus	31-2	15.33	18.84	16.77	16.98	10.38	ppb
Potassium	39-2	515.75	516.85	517.63	516.74	0.18	ppb
Rhodium	103-1				99		%
Rhodium	103-2				97		%
Scandium	45-1				99		%
Scandium	45-2				99		%
Selenium	82-1	5.30	5.27	5.36	5.31	0.86	ppb
Selenium	77-2	5.15	5.25	5.73	5.38	5.76	ppb
Selenium	78-2	4.06	5.16	5.38	4.87	14.45	ppb
Silicon	28-1	0.14	0.71	1.11	0.65	74.78	ppb
Silver	107-1	1.04	1.05	1.06	1.05	1.34	ppb
Silver	109-1	1.02	1.03	1.06	1.04	1.81	ppb
Sodium	23-2	480.70	476.06	480.27	479.01	0.54	ppb
Strontium	86-1	23.96	23.99	24.20	24.05	0.55	ppb
Strontium	88-1	24.33	24.47	24.59	24.47	0.53	ppb
Sulfur	34-1	14.71	109.43	79.79	67.98	71.27	ppb
Terbium	159-1				99		%
Terbium	159-2				99		%
Thallium	203-1	0.91	0.94	0.94	0.93	1.88	ppb
Thallium	205-1	0.91	0.96	0.95	0.94	2.36	ppb
Tin	118-1	5.16	5.16	5.14	5.15	0.24	ppb
Titanium	47-1	4.75	4.98	4.87	4.87	2.42	ppb

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P7
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 16:16:54	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.84	0.86	0.85	0.85	0.86	ppb
Vanadium	51-2	4.90	4.94	4.86	4.90	0.80	ppb
Yttrium	89-1				99		%
Yttrium	89-2				98		%
Zinc	66-2	5.24	5.08	5.24	5.19	1.79	ppb
Zirconium	90-1	0.94	0.95	0.94	0.94	0.90	ppb
Zirconium	91-1	0.95	0.97	0.93	0.95	2.22	ppb

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P7
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 16:20:12	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1027.21	1039.01	1033.40	1033.20	0.57	ppb
Antimony	121-1	52.02	52.52	51.68	52.07	0.81	ppb
Arsenic	75-2	50.76	52.28	53.03	52.02	2.22	ppb
Barium	135-1	259.88	260.54	256.33	258.91	0.88	ppb
Barium	137-1	261.81	259.24	255.39	258.81	1.25	ppb
Beryllium	9-1	52.46	52.56	51.98	52.34	0.59	ppb
Bismuth	209-1				94		%
Bismuth	209-2				94		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	54.93	54.97	54.71	54.87	0.25	ppb
Cadmium	106-1	54.41	55.37	54.57	54.78	0.94	ppb
Cadmium	111-1	54.81	54.74	54.47	54.67	0.33	ppb
Calcium	43-1	5573.71	5541.80	5594.93	5570.15	0.48	ppb
Calcium	44-1	5249.78	5309.73	5397.17	5318.89	1.39	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	51.16	52.69	51.54	51.80	1.54	ppb
Cobalt	59-2	51.68	52.99	51.85	52.17	1.36	ppb
Copper	63-2	525.85	534.44	527.42	529.24	0.86	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				94		%
Holmium	165-2				95		%
Indium	115-1				93		%
Indium	115-2				91		%
Iron	56-2	2749.68	2814.09	2786.84	2783.54	1.16	ppb
Iron	57-2	2862.47	2921.21	2840.80	2874.83	1.45	ppb
Iron	54-2	2921.09	2968.46	2935.10	2941.55	0.83	ppb
Krypton	83-1						cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P7
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 16:20:12	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	252.39	252.25	248.68	251.11	0.84	ppb
Lead	207-1	250.61	252.90	253.27	252.26	0.57	ppb
Lead	208-1	251.42	251.96	250.23	251.20	0.35	ppb
Lithium	6-1				98		%
Magnesium	24-2	5239.53	5310.32	5339.50	5296.45	0.97	ppb
Manganese	55-2	507.03	515.75	512.47	511.75	0.86	ppb
Molybdenum	94-1	513.18	510.51	504.29	509.33	0.90	ppb
Molybdenum	95-1	512.42	513.97	502.24	509.54	1.25	ppb
Molybdenum	96-1	512.71	511.74	502.45	508.97	1.11	ppb
Molybdenum	97-1	510.83	503.69	506.94	507.15	0.70	ppb
Molybdenum	98-1	509.33	508.41	508.86	508.86	0.09	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	52.15	52.86	52.36	52.46	0.70	ppb
Phosphorus	31-2	1035.90	1087.82	1071.36	1065.03	2.49	ppb
Potassium	39-2	2663.20	2681.43	2613.83	2652.82	1.32	ppb
Rhodium	103-1				92		%
Rhodium	103-2				91		%
Scandium	45-1				92		%
Scandium	45-2				92		%
Selenium	82-1	51.92	52.50	52.70	52.37	0.77	ppb
Selenium	77-2	50.58	50.27	54.13	51.66	4.15	ppb
Selenium	78-2	52.64	53.53	51.07	52.41	2.38	ppb
Silicon	28-1	47.28	47.69	48.48	47.82	1.27	ppb
Silver	107-1	55.04	54.61	54.78	54.81	0.39	ppb
Silver	109-1	54.87	55.01	54.69	54.86	0.30	ppb
Sodium	23-2	5289.56	5418.32	5330.76	5346.21	1.23	ppb
Strontium	86-1	1286.59	1271.63	1275.90	1278.04	0.60	ppb
Strontium	88-1	1249.04	1280.22	1248.40	1259.22	1.44	ppb
Sulfur	34-1	1191.90	1097.67	1114.71	1134.76	4.42	ppb
Terbium	159-1				95		%
Terbium	159-2				94		%
Thallium	203-1	50.17	49.63	50.21	50.01	0.64	ppb
Thallium	205-1	49.92	49.66	49.68	49.75	0.29	ppb
Tin	118-1	53.11	53.92	52.88	53.30	1.03	ppb
Titanium	47-1	509.80	510.17	511.24	510.40	0.15	ppb

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P7
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 16:20:12	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	48.06	47.46	47.00	47.51	1.12	ppb
Vanadium	51-2	50.58	51.77	51.31	51.22	1.18	ppb
Yttrium	89-1				92		%
Yttrium	89-2				92		%
Zinc	66-2	518.62	531.95	521.38	523.98	1.34	ppb
Zirconium	90-1	51.17	50.63	51.72	51.17	1.06	ppb
Zirconium	91-1	50.79	50.72	51.12	50.88	0.42	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P7
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 16:23:11	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2574.28	2528.51	2525.57	2542.79	1.07	ppb
Antimony	121-1	123.02	127.21	130.21	126.81	2.85	ppb
Arsenic	75-2	126.48	125.34	126.10	125.97	0.46	ppb
Barium	135-1	615.40	626.79	627.53	623.24	1.09	ppb
Barium	137-1	610.51	630.62	637.51	626.21	2.24	ppb
Beryllium	9-1	123.73	124.13	125.56	124.47	0.77	ppb
Bismuth	209-1				98		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	128.85	132.06	131.52	130.81	1.31	ppb
Cadmium	106-1	126.49	127.14	132.82	128.81	2.70	ppb
Cadmium	111-1	127.04	130.53	133.06	130.21	2.32	ppb
Calcium	43-1	13109.71	13449.72	13579.55	13379.66	1.81	ppb
Calcium	44-1	12541.10	12774.85	12873.66	12729.87	1.34	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	125.03	124.30	124.63	124.65	0.30	ppb
Cobalt	59-2	127.87	124.98	125.37	126.07	1.25	ppb
Copper	63-2	1284.41	1281.15	1271.79	1279.12	0.51	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				98		%
Holmium	165-2				97		%
Indium	115-1				95		%
Indium	115-2				91		%
Iron	56-2	6802.49	6715.31	6673.23	6730.35	0.98	ppb
Iron	57-2	6796.95	6936.57	6900.97	6878.16	1.05	ppb
Iron	54-2	6965.51	6935.67	6865.35	6922.18	0.74	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P7
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 16:23:11	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	602.03	608.02	617.89	609.31	1.31	ppb
Lead	207-1	608.35	612.93	617.97	613.08	0.79	ppb
Lead	208-1	601.79	610.54	616.19	609.51	1.19	ppb
Lithium	6-1				104		%
Magnesium	24-2	12859.21	12729.66	12687.55	12758.81	0.70	ppb
Manganese	55-2	1253.22	1233.21	1238.22	1241.55	0.84	ppb
Molybdenum	94-1	1222.79	1229.56	1234.42	1228.92	0.48	ppb
Molybdenum	95-1	1209.75	1230.09	1227.21	1222.35	0.90	ppb
Molybdenum	96-1	1208.74	1236.15	1233.70	1226.20	1.24	ppb
Molybdenum	97-1	1223.70	1214.92	1224.51	1221.04	0.44	ppb
Molybdenum	98-1	1216.10	1214.15	1234.13	1221.46	0.90	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	127.92	126.19	126.60	126.90	0.71	ppb
Phosphorus	31-2	2555.64	2501.14	2497.56	2518.11	1.29	ppb
Potassium	39-2	6452.35	6425.12	6353.67	6410.38	0.79	ppb
Rhodium	103-1				92		%
Rhodium	103-2				90		%
Scandium	45-1				92		%
Scandium	45-2				90		%
Selenium	82-1	124.45	126.17	125.02	125.21	0.70	ppb
Selenium	77-2	128.47	127.40	127.45	127.77	0.47	ppb
Selenium	78-2	127.53	129.76	126.48	127.92	1.31	ppb
Silicon	28-1	110.27	113.61	113.04	112.31	1.59	ppb
Silver	107-1	127.50	130.39	128.93	128.94	1.12	ppb
Silver	109-1	126.95	129.65	131.20	129.26	1.67	ppb
Sodium	23-2	13114.16	12960.31	12816.05	12963.51	1.15	ppb
Strontium	86-1	3052.86	3081.85	3085.27	3073.33	0.58	ppb
Strontium	88-1	3019.43	3047.35	3073.85	3046.88	0.89	ppb
Sulfur	34-1	2252.91	2389.13	2352.21	2331.42	3.02	ppb
Terbium	159-1				97		%
Terbium	159-2				97		%
Thallium	203-1	121.94	121.10	123.13	122.06	0.84	ppb
Thallium	205-1	118.93	123.00	122.30	121.41	1.79	ppb
Tin	118-1	125.58	127.23	130.54	127.78	1.98	ppb
Titanium	47-1	1207.34	1241.70	1247.65	1232.23	1.77	ppb

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P7
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 16:23:11	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	113.47	117.37	118.32	116.39	2.21	ppb
Vanadium	51-2	124.44	123.55	122.08	123.36	0.97	ppb
Yttrium	89-1				93		%
Yttrium	89-2				91		%
Zinc	66-2	1282.59	1256.94	1273.51	1271.01	1.02	ppb
Zirconium	90-1	120.18	122.04	123.63	121.95	1.42	ppb
Zirconium	91-1	121.92	123.24	123.75	122.97	0.76	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P7
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 16:25:58	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	5077.07	5108.60	5054.43	5080.03	0.54	ppb
Antimony	121-1	245.23	250.33	250.07	248.54	1.16	ppb
Arsenic	75-2	245.20	245.51	250.47	247.06	1.20	ppb
Barium	135-1	1225.14	1252.20	1254.13	1243.82	1.30	ppb
Barium	137-1	1241.70	1255.34	1236.94	1244.66	0.77	ppb
Beryllium	9-1	242.45	240.27	244.73	242.48	0.92	ppb
Bismuth	209-1				96		%
Bismuth	209-2				95		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	255.38	255.57	255.77	255.57	0.08	ppb
Cadmium	106-1	251.92	253.55	258.47	254.65	1.34	ppb
Cadmium	111-1	253.38	255.08	256.62	255.03	0.64	ppb
Calcium	43-1	25904.57	25635.10	26474.39	26004.69	1.65	ppb
Calcium	44-1	25670.93	25609.30	25853.60	25711.27	0.49	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	251.68	251.58	248.35	250.54	0.76	ppb
Cobalt	59-2	249.56	254.07	250.06	251.23	0.98	ppb
Copper	63-2	2548.31	2547.23	2519.05	2538.20	0.65	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				95		%
Holmium	165-2				96		%
Indium	115-1				90		%
Indium	115-2				87		%
Iron	56-2	13525.14	13515.13	13540.56	13526.94	0.09	ppb
Iron	57-2	13628.72	13453.93	13546.57	13543.07	0.65	ppb
Iron	54-2	13802.49	14032.36	13749.91	13861.59	1.08	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P7
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 16:25:58	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1233.40	1235.67	1234.50	1234.52	0.09	ppb
Lead	207-1	1231.28	1224.53	1242.91	1232.90	0.75	ppb
Lead	208-1	1230.59	1230.63	1233.41	1231.54	0.13	ppb
Lithium	6-1				101		%
Magnesium	24-2	25600.66	25725.18	25543.20	25623.01	0.36	ppb
Manganese	55-2	2503.96	2506.87	2488.19	2499.67	0.40	ppb
Molybdenum	94-1	2450.89	2450.64	2460.76	2454.10	0.24	ppb
Molybdenum	95-1	2453.60	2452.45	2463.81	2456.62	0.25	ppb
Molybdenum	96-1	2463.63	2446.89	2445.87	2452.13	0.41	ppb
Molybdenum	97-1	2443.03	2442.12	2457.29	2447.48	0.35	ppb
Molybdenum	98-1	2432.18	2464.26	2462.34	2452.93	0.73	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	248.94	253.45	250.78	251.05	0.90	ppb
Phosphorus	31-2	4946.73	4933.78	4919.77	4933.43	0.27	ppb
Potassium	39-2	12699.43	12563.28	12576.37	12613.03	0.60	ppb
Rhodium	103-1				87		%
Rhodium	103-2				86		%
Scandium	45-1				85		%
Scandium	45-2				84		%
Selenium	82-1	249.30	246.10	247.97	247.79	0.65	ppb
Selenium	77-2	235.47	249.39	253.70	246.19	3.87	ppb
Selenium	78-2	249.22	243.53	255.55	249.43	2.41	ppb
Silicon	28-1	226.37	224.72	225.93	225.67	0.38	ppb
Silver	107-1	251.81	252.68	253.01	252.50	0.25	ppb
Silver	109-1	251.37	252.19	254.39	252.65	0.62	ppb
Sodium	23-2	25857.23	25843.60	25588.67	25763.17	0.59	ppb
Strontium	86-1	6165.02	6161.36	6164.07	6163.48	0.03	ppb
Strontium	88-1	6171.35	6130.87	6149.97	6150.73	0.33	ppb
Sulfur	34-1	4741.79	4611.73	4696.84	4683.45	1.41	ppb
Terbium	159-1				94		%
Terbium	159-2				96		%
Thallium	203-1	246.00	244.00	244.34	244.78	0.44	ppb
Thallium	205-1	246.84	245.61	245.39	245.95	0.32	ppb
Tin	118-1	248.74	252.42	253.54	251.57	1.00	ppb
Titanium	47-1	2485.28	2473.55	2474.28	2477.70	0.27	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P7
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 16:25:58	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	236.36	239.11	239.54	238.34	0.72	ppb
Vanadium	51-2	250.93	249.97	248.52	249.80	0.49	ppb
Yttrium	89-1				89		%
Yttrium	89-2				87		%
Zinc	66-2	2565.81	2587.48	2535.11	2562.80	1.03	ppb
Zirconium	90-1	245.94	244.47	245.56	245.32	0.31	ppb
Zirconium	91-1	246.41	245.55	245.21	245.72	0.25	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P7
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 16:28:44	DataFile Name :	012CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10157.75	10275.43	10147.70	10193.63	0.70	ppb
Antimony	121-1	508.65	493.86	504.94	502.48	1.53	ppb
Arsenic	75-2	505.42	508.82	499.75	504.66	0.91	ppb
Barium	135-1	2523.18	2495.52	2507.87	2508.86	0.55	ppb
Barium	137-1	2508.06	2507.39	2504.05	2506.50	0.09	ppb
Beryllium	9-1	508.98	509.34	510.60	509.64	0.17	ppb
Bismuth	209-1				97		%
Bismuth	209-2				95		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	505.95	497.66	502.55	502.05	0.83	ppb
Cadmium	106-1	505.71	498.10	500.67	501.49	0.77	ppb
Cadmium	111-1	512.08	505.86	508.64	508.86	0.61	ppb
Calcium	43-1	52386.39	53190.11	52563.42	52713.31	0.80	ppb
Calcium	44-1	52424.59	52751.25	52720.88	52632.24	0.34	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	503.72	508.26	506.22	506.07	0.45	ppb
Cobalt	59-2	511.01	509.03	508.98	509.67	0.23	ppb
Copper	63-2	5141.89	5178.98	5123.08	5147.98	0.55	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				97		%
Holmium	165-2				97		%
Indium	115-1				89		%
Indium	115-2				87		%
Iron	56-2	27494.63	27780.33	27448.84	27574.60	0.65	ppb
Iron	57-2	27554.63	27639.75	27487.88	27560.75	0.28	ppb
Iron	54-2	28013.13	28051.82	27988.00	28017.65	0.11	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P7
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 16:28:44	DataFile Name :	012CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2495.99	2568.03	2507.13	2523.72	1.54	ppb
Lead	207-1	2498.38	2570.40	2518.14	2528.97	1.47	ppb
Lead	208-1	2498.39	2557.94	2507.23	2521.19	1.27	ppb
Lithium	6-1				101		%
Magnesium	24-2	51396.89	51449.56	51533.40	51459.95	0.13	ppb
Manganese	55-2	5052.04	5134.78	5094.42	5093.75	0.81	ppb
Molybdenum	94-1	5021.09	5051.56	5040.07	5037.57	0.31	ppb
Molybdenum	95-1	4990.23	5068.62	5029.91	5029.59	0.78	ppb
Molybdenum	96-1	4942.35	5066.61	5008.14	5005.70	1.24	ppb
Molybdenum	97-1	4980.01	5037.79	4973.59	4997.13	0.71	ppb
Molybdenum	98-1	4979.34	5066.94	5003.20	5016.50	0.90	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	515.21	513.93	510.23	513.12	0.50	ppb
Phosphorus	31-2	10022.67	10125.50	10085.53	10077.90	0.51	ppb
Potassium	39-2	25362.09	25678.24	25403.89	25481.41	0.67	ppb
Rhodium	103-1				86		%
Rhodium	103-2				86		%
Scandium	45-1				84		%
Scandium	45-2				85		%
Selenium	82-1	497.12	506.42	501.84	501.79	0.93	ppb
Selenium	77-2	496.72	495.06	501.11	497.63	0.63	ppb
Selenium	78-2	506.02	507.71	498.10	503.94	1.02	ppb
Silicon	28-1	446.44	450.12	448.88	448.48	0.42	ppb
Silver	107-1	499.04	496.59	494.27	496.63	0.48	ppb
Silver	109-1	501.21	496.73	494.87	497.61	0.66	ppb
Sodium	23-2	52663.04	52468.66	52350.93	52494.21	0.30	ppb
Strontium	86-1	12561.74	12766.73	12460.66	12596.38	1.24	ppb
Strontium	88-1	12526.70	12554.40	12516.45	12532.52	0.16	ppb
Sulfur	34-1	9566.14	9633.13	9567.03	9588.77	0.40	ppb
Terbium	159-1				97		%
Terbium	159-2				97		%
Thallium	203-1	498.56	510.83	493.97	501.12	1.74	ppb
Thallium	205-1	504.29	516.81	499.57	506.89	1.76	ppb
Tin	118-1	510.26	499.64	502.90	504.27	1.08	ppb
Titanium	47-1	5029.12	5078.18	5088.61	5065.30	0.63	ppb

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P7
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 16:28:44	DataFile Name :	012CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	497.91	508.79	497.50	501.40	1.28	ppb
Vanadium	51-2	504.15	501.58	503.21	502.98	0.26	ppb
Yttrium	89-1				88		%
Yttrium	89-2				88		%
Zinc	66-2	5129.17	5196.61	5151.82	5159.20	0.67	ppb
Zirconium	90-1	497.05	504.33	501.34	500.91	0.73	ppb
Zirconium	91-1	500.81	505.31	496.98	501.03	0.83	ppb

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P7
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 16:31:28	DataFile Name :	013CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	20094.36	20048.90	20239.57	20127.61	0.49	ppb
Antimony	121-1	998.92	990.17	1007.29	998.79	0.86	ppb
Arsenic	75-2	987.71	997.14	1009.70	998.18	1.11	ppb
Barium	135-1	5006.55	4947.02	5037.09	4996.89	0.92	ppb
Barium	137-1	5029.46	4916.59	5046.42	4997.49	1.41	ppb
Beryllium	9-1	999.76	997.08	994.18	997.01	0.28	ppb
Bismuth	209-1				98		%
Bismuth	209-2				94		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1002.27	987.06	1000.50	996.61	0.83	ppb
Cadmium	106-1	1000.22	981.26	1010.64	997.38	1.49	ppb
Cadmium	111-1	993.84	984.96	1001.49	993.43	0.83	ppb
Calcium	43-1	104255.18	104537.98	104852.52	104548.56	0.29	ppb
Calcium	44-1	103768.10	104206.30	103873.39	103949.26	0.22	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1000.59	996.29	993.48	996.79	0.36	ppb
Cobalt	59-2	990.12	999.70	994.02	994.61	0.48	ppb
Copper	63-2	9942.34	9899.94	9891.79	9911.36	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				100		%
Holmium	165-2				98		%
Indium	115-1				89		%
Indium	115-2				87		%
Iron	56-2	53818.13	53706.05	53660.88	53728.36	0.15	ppb
Iron	57-2	53061.01	53343.46	53618.55	53341.01	0.52	ppb
Iron	54-2	54199.37	55085.84	54602.33	54629.18	0.81	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P7
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 16:31:28	DataFile Name :	013CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	4939.97	5034.86	5006.92	4993.92	0.98	ppb
Lead	207-1	4982.83	4996.24	4994.42	4991.17	0.15	ppb
Lead	208-1	4985.42	5007.90	4994.37	4995.90	0.23	ppb
Lithium	6-1				102		%
Magnesium	24-2	103300.36	103079.16	104247.38	103542.30	0.60	ppb
Manganese	55-2	9937.42	9948.48	9975.13	9953.68	0.19	ppb
Molybdenum	94-1	10014.57	9922.64	10047.37	9994.86	0.65	ppb
Molybdenum	95-1	9980.39	9960.03	10056.67	9999.03	0.51	ppb
Molybdenum	96-1	9991.64	9964.00	10079.29	10011.64	0.60	ppb
Molybdenum	97-1	9960.07	9914.42	10178.99	10017.83	1.41	ppb
Molybdenum	98-1	9974.68	9968.74	10076.51	10006.64	0.61	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	988.46	991.99	998.00	992.82	0.49	ppb
Phosphorus	31-2	19826.98	20095.93	19993.62	19972.18	0.68	ppb
Potassium	39-2	50276.06	50436.74	50615.06	50442.62	0.34	ppb
Rhodium	103-1				86		%
Rhodium	103-2				85		%
Scandium	45-1				86		%
Scandium	45-2				87		%
Selenium	82-1	998.74	991.18	1008.61	999.51	0.87	ppb
Selenium	77-2	991.12	990.46	1023.53	1001.71	1.89	ppb
Selenium	78-2	989.50	996.02	1007.54	997.69	0.92	ppb
Silicon	28-1	1037.79	1035.80	1027.31	1033.63	0.54	ppb
Silver	107-1	1008.32	985.06	1007.60	1000.33	1.32	ppb
Silver	109-1	1005.61	991.66	1002.00	999.76	0.72	ppb
Sodium	23-2	102595.88	103346.30	102972.77	102971.65	0.36	ppb
Strontium	86-1	24871.57	24887.00	25176.93	24978.50	0.69	ppb
Strontium	88-1	24959.76	24880.42	25213.40	25017.86	0.70	ppb
Sulfur	34-1	20668.26	20028.47	20200.54	20299.09	1.63	ppb
Terbium	159-1				98		%
Terbium	159-2				97		%
Thallium	203-1	1000.46	1000.84	1002.04	1001.11	0.08	ppb
Thallium	205-1	997.15	994.04	1002.89	998.03	0.45	ppb
Tin	118-1	992.99	990.59	1007.31	996.96	0.91	ppb
Titanium	47-1	9869.00	10029.00	10025.87	9974.62	0.92	ppb

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P7
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 16:31:28	DataFile Name :	013CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	999.86	1003.38	1007.01	1003.42	0.36	ppb
Vanadium	51-2	989.94	1006.97	999.20	998.70	0.85	ppb
Yttrium	89-1				90		%
Yttrium	89-2				90		%
Zinc	66-2	9925.64	9898.23	9878.74	9900.87	0.24	ppb
Zirconium	90-1	998.16	995.65	1009.31	1001.04	0.73	ppb
Zirconium	91-1	1001.10	993.37	1007.83	1000.76	0.72	ppb

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P7
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 16:34:14	DataFile Name :	014CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	98847.43	99781.84	101219.87	99949.71	1.20	ppb
Antimony	121-1	0.46	0.52	0.61	0.53	14.76	ppb
Arsenic	75-2	0.56	0.55	0.53	0.55	2.31	ppb
Barium	135-1	2.27	2.28	2.12	2.22	3.93	ppb
Barium	137-1	2.23	2.24	2.21	2.23	0.65	ppb
Beryllium	9-1	0.17	0.18	0.15	0.17	7.51	ppb
Bismuth	209-1				85		%
Bismuth	209-2				82		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.51	0.40	0.51	0.47	12.94	ppb
Cadmium	106-1	0.35	0.05	0.52	0.31	77.28	ppb
Cadmium	111-1	0.24	0.24	0.25	0.24	2.24	ppb
Calcium	43-1	500235.72	498007.80	497979.50	498741.01	0.26	ppb
Calcium	44-1	499391.38	496792.37	500523.46	498902.40	0.38	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.36	1.59	1.41	1.45	8.50	ppb
Cobalt	59-2	2.48	2.44	2.48	2.46	1.00	ppb
Copper	63-2	1.96	1.91	1.82	1.90	3.56	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				95		%
Holmium	165-2				94		%
Indium	115-1				86		%
Indium	115-2				86		%
Iron	56-2	247935.38	248814.26	250042.39	248930.68	0.43	ppb
Iron	57-2	248020.96	247964.09	251027.30	249004.12	0.70	ppb
Iron	54-2	249484.89	247278.98	249285.42	248683.10	0.49	ppb
Krypton	83-1						cps

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P7
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 16:34:14	DataFile Name :	014CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1.02	0.97	0.90	0.96	5.83	ppb
Lead	207-1	1.02	0.95	0.92	0.97	5.29	ppb
Lead	208-1	1.00	0.96	0.91	0.96	4.77	ppb
Lithium	6-1				96		%
Magnesium	24-2	493301.43	502399.66	501613.83	499104.97	1.01	ppb
Manganese	55-2	5.13	5.11	5.09	5.11	0.37	ppb
Molybdenum	94-1	2.84	2.80	2.73	2.79	2.03	ppb
Molybdenum	95-1	2.00	2.04	1.96	2.00	1.80	ppb
Molybdenum	96-1	3.34	3.32	3.07	3.24	4.53	ppb
Molybdenum	97-1	1.98	2.04	1.99	2.01	1.59	ppb
Molybdenum	98-1	1.99	1.93	1.86	1.93	3.57	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.66	2.59	2.63	2.62	1.36	ppb
Phosphorus	31-2	-8.58	-4.24	-7.43	-6.75		ppb
Potassium	39-2	249202.69	249916.07	250437.58	249852.11	0.25	ppb
Rhodium	103-1				79		%
Rhodium	103-2				80		%
Scandium	45-1				88		%
Scandium	45-2				91		%
Selenium	82-1	0.69	0.34	0.21	0.42	59.61	ppb
Selenium	77-2	0.00	0.47	0.38	0.28	88.11	ppb
Selenium	78-2	-0.24	0.06	0.34	0.05	551.67	ppb
Silicon	28-1	3.12	2.85	2.29	2.75	15.31	ppb
Silver	107-1	0.21	0.19	0.16	0.19	13.19	ppb
Silver	109-1	0.21	0.20	0.17	0.19	10.77	ppb
Sodium	23-2	498246.00	499674.80	499388.38	499103.06	0.15	ppb
Strontium	86-1	82.44	82.22	85.40	83.35	2.13	ppb
Strontium	88-1	83.43	83.09	82.28	82.93	0.71	ppb
Sulfur	34-1	-498.44	-416.37	-321.40	-412.07		ppb
Terbium	159-1				94		%
Terbium	159-2				94		%
Thallium	203-1	0.16	0.14	0.11	0.14	18.78	ppb
Thallium	205-1	0.17	0.14	0.13	0.14	14.53	ppb
Tin	118-1	0.23	0.21	0.19	0.21	8.47	ppb
Titanium	47-1	1.58	1.55	1.39	1.51	6.72	ppb

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P7
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 16:34:14	DataFile Name :	014CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.13	0.12	0.11	0.12	11.10	ppb
Vanadium	51-2	0.30	0.29	0.28	0.29	3.59	ppb
Yttrium	89-1				89		%
Yttrium	89-2				91		%
Zinc	66-2	2.62	2.48	2.50	2.53	2.85	ppb
Zirconium	90-1	0.55	0.58	0.56	0.56	2.05	ppb
Zirconium	91-1	0.62	0.56	0.56	0.58	6.72	ppb

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	ICV001	Instrumnet Name :	P7
Client Sample ID :	ICV001	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:16:22	DataFile Name :	015ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	456.64	460.15	459.35	458.71	0.40	ppb
Antimony	121-1	195.51	201.15	196.08	197.58	1.57	ppb
Arsenic	75-2	200.71	197.00	196.35	198.02	1.19	ppb
Barium	135-1	96.21	99.51	98.11	97.95	1.69	ppb
Barium	137-1	96.18	99.01	97.66	97.62	1.45	ppb
Beryllium	9-1	103.01	99.26	99.48	100.58	2.09	ppb
Bismuth	209-1				100		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	155.16	159.11	155.11	156.46	1.47	ppb
Cadmium	106-1	157.00	161.75	157.71	158.82	1.61	ppb
Cadmium	111-1	106.97	110.40	107.77	108.38	1.66	ppb
Calcium	43-1	2219.90	2272.54	2341.37	2277.93	2.67	ppb
Calcium	44-1	2087.77	2112.81	2106.74	2102.44	0.62	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	97.89	98.33	97.48	97.90	0.43	ppb
Cobalt	59-2	99.45	97.28	99.93	98.89	1.42	ppb
Copper	63-2	94.84	94.01	94.21	94.35	0.46	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				97		%
Holmium	165-2				98		%
Indium	115-1				96		%
Indium	115-2				94		%
Iron	56-2	2045.58	2038.17	2028.80	2037.51	0.41	ppb
Iron	57-2	2106.31	2099.68	2090.63	2098.87	0.38	ppb
Iron	54-2	2201.09	2211.30	2178.38	2196.92	0.77	ppb
Krypton	83-1						cps

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	ICV001	Instrumnet Name :	P7
Client Sample ID :	ICV001	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:16:22	DataFile Name :	015ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	196.24	193.61	197.55	195.80	1.02	ppb
Lead	207-1	187.18	188.70	188.79	188.23	0.48	ppb
Lead	208-1	190.62	190.98	191.08	190.89	0.13	ppb
Lithium	6-1				103		%
Magnesium	24-2	1087.59	1087.55	1087.54	1087.56	0.00	ppb
Manganese	55-2	94.83	94.88	94.33	94.68	0.33	ppb
Molybdenum	94-1	4813.92	4914.56	4872.07	4866.85	1.04	ppb
Molybdenum	95-1	4894.81	5001.50	4978.30	4958.20	1.13	ppb
Molybdenum	96-1	4863.60	4966.20	4959.16	4929.65	1.16	ppb
Molybdenum	97-1	4890.15	4963.83	4928.24	4927.41	0.75	ppb
Molybdenum	98-1	4895.97	4936.43	4972.52	4934.98	0.78	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	100.70	99.71	100.00	100.14	0.51	ppb
Phosphorus	31-2	-14.45	-11.79	-15.83	-14.02		ppb
Potassium	39-2	1875.56	1894.14	1839.54	1869.75	1.48	ppb
Rhodium	103-1				96		%
Rhodium	103-2				94		%
Scandium	45-1				97		%
Scandium	45-2				93		%
Selenium	82-1	201.10	205.68	205.26	204.01	1.24	ppb
Selenium	77-2	201.94	205.80	207.02	204.92	1.29	ppb
Selenium	78-2	210.71	205.37	205.64	207.24	1.45	ppb
Silicon	28-1	68.83	72.00	75.26	72.03	4.46	ppb
Silver	107-1	50.41	51.30	50.94	50.88	0.87	ppb
Silver	109-1	49.70	51.23	49.72	50.22	1.75	ppb
Sodium	23-2	1888.64	1911.76	1896.98	1899.13	0.62	ppb
Strontium	86-1	11400.00	11628.23	11566.76	11531.66	1.02	ppb
Strontium	88-1	11390.20	11569.91	11523.83	11494.65	0.81	ppb
Sulfur	34-1	-223.24	-196.80	-204.29	-208.11		ppb
Terbium	159-1				98		%
Terbium	159-2				99		%
Thallium	203-1	192.65	190.57	190.24	191.15	0.69	ppb
Thallium	205-1	192.87	190.01	190.17	191.02	0.84	ppb
Tin	118-1	471.93	480.63	478.69	477.08	0.96	ppb
Titanium	47-1	4922.39	5066.87	5013.18	5000.81	1.46	ppb

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	ICV001	Instrumnet Name :	P7
Client Sample ID :	ICV001	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:16:22	DataFile Name :	015ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	463.32	476.17	471.35	470.28	1.38	ppb
Vanadium	51-2	94.08	93.24	92.79	93.37	0.70	ppb
Yttrium	89-1				97		%
Yttrium	89-2				94		%
Zinc	66-2	198.04	198.13	195.89	197.35	0.64	ppb
Zirconium	90-1	447.72	451.07	448.88	449.22	0.38	ppb
Zirconium	91-1	443.71	453.58	449.59	448.96	1.11	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	ICB001	Instrumnet Name :	P7
Client Sample ID :	ICB001	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:26:42	DataFile Name :	016CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.09	0.13	0.12	0.11	18.70	ppb
Antimony	121-1	0.01	0.01	0.02	0.02	37.87	ppb
Arsenic	75-2	-0.01	0.00	0.00	0.00		ppb
Barium	135-1	0.00	0.01	-0.01	0.00		ppb
Barium	137-1	0.01	0.00	0.01	0.01	74.34	ppb
Beryllium	9-1	0.00	0.00	0.03	0.01	152.21	ppb
Bismuth	209-1				96		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.03	-0.01	0.03	0.00		ppb
Cadmium	106-1	-1.42	-1.10	-1.48	-1.33		ppb
Cadmium	111-1	-0.10	-0.08	-0.11	-0.10		ppb
Calcium	43-1	5.53	6.43	7.05	6.34	12.07	ppb
Calcium	44-1	8.52	8.88	8.74	8.71	2.10	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.11	0.10	0.09	0.10	8.26	ppb
Cobalt	59-2	0.00	0.00	0.00	0.00	778.88	ppb
Copper	63-2	0.01	0.03	0.02	0.02	60.80	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				94		%
Holmium	165-2				97		%
Indium	115-1				94		%
Indium	115-2				96		%
Iron	56-2	1.21	1.17	1.12	1.16	3.97	ppb
Iron	57-2	1.28	0.71	0.99	0.99	28.93	ppb
Iron	54-2	2.40	2.95	2.56	2.64	10.66	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	ICB001	Instrumnet Name :	P7
Client Sample ID :	ICB001	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:26:42	DataFile Name :	016CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.01	0.02	0.02	0.02	26.72	ppb
Lead	207-1	0.02	0.02	0.02	0.02	8.41	ppb
Lead	208-1	0.02	0.02	0.02	0.02	5.36	ppb
Lithium	6-1				99		%
Magnesium	24-2	0.20	0.11	0.19	0.17	28.57	ppb
Manganese	55-2	0.08	0.07	0.08	0.08	7.08	ppb
Molybdenum	94-1	0.09	0.12	0.11	0.10	15.48	ppb
Molybdenum	95-1	0.06	0.06	0.05	0.06	10.41	ppb
Molybdenum	96-1	0.06	0.05	0.06	0.06	2.99	ppb
Molybdenum	97-1	0.05	0.05	0.05	0.05	3.87	ppb
Molybdenum	98-1	0.06	0.05	0.06	0.06	6.95	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.12	0.12	0.12	0.12	1.50	ppb
Phosphorus	31-2	-12.59	-12.85	-17.24	-14.23		ppb
Potassium	39-2	-1.13	-0.11	-0.55	-0.60		ppb
Rhodium	103-1				93		%
Rhodium	103-2				95		%
Scandium	45-1				94		%
Scandium	45-2				95		%
Selenium	82-1	0.06	-0.21	-0.29	-0.15		ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-0.75	-0.23	0.07	-0.30		ppb
Silicon	28-1	-4.62	-4.72	-4.80	-4.71		ppb
Silver	107-1	0.00	0.00	0.00	0.00	71.89	ppb
Silver	109-1	0.00	0.00	0.00	0.00	42.65	ppb
Sodium	23-2	2.82	2.41	3.23	2.82	14.62	ppb
Strontium	86-1	0.28	0.49	0.17	0.31	53.55	ppb
Strontium	88-1	0.17	0.19	0.11	0.16	28.45	ppb
Sulfur	34-1	-112.28	-125.88	-137.52	-125.23		ppb
Terbium	159-1				95		%
Terbium	159-2				97		%
Thallium	203-1	0.00	0.00	0.00	0.00	125.84	ppb
Thallium	205-1	0.00	0.00	0.00	0.00	55.53	ppb
Tin	118-1	-0.04	-0.05	-0.04	-0.04		ppb
Titanium	47-1	0.04	0.07	0.05	0.05	25.28	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	ICB001	Instrumnet Name :	P7
Client Sample ID :	ICB001	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:26:42	DataFile Name :	016CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	12.95	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00		ppb
Yttrium	89-1				93		%
Yttrium	89-2				95		%
Zinc	66-2	0.71	0.82	0.84	0.79	8.71	ppb
Zirconium	90-1	0.02	0.03	0.04	0.03	33.14	ppb
Zirconium	91-1	0.02	0.03	0.04	0.03	28.35	ppb

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	ICSA001	Instrumnet Name :	P7
Client Sample ID :	ICSA001	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:30:01	DataFile Name :	017ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	91240.84	90873.72	89340.22	90484.93	1.11	ppb
Antimony	121-1	1.12	1.13	1.11	1.12	0.92	ppb
Arsenic	75-2	0.34	0.35	0.34	0.35	1.14	ppb
Barium	135-1	1.38	1.38	1.40	1.39	0.92	ppb
Barium	137-1	1.40	1.37	1.39	1.39	0.92	ppb
Beryllium	9-1	0.29	0.30	0.26	0.29	6.95	ppb
Bismuth	209-1				99		%
Bismuth	209-2				96		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	9.63	9.06	9.00	9.23	3.77	ppb
Cadmium	106-1	-1.03	-1.07	-1.18	-1.09		ppb
Cadmium	111-1	0.30	0.31	0.24	0.28	14.20	ppb
Calcium	43-1	100436.00	101855.85	100881.04	101057.63	0.72	ppb
Calcium	44-1	99655.92	101820.11	100937.73	100804.59	1.08	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	19.77	19.69	19.28	19.58	1.35	ppb
Cobalt	59-2	1.21	1.23	1.22	1.22	0.64	ppb
Copper	63-2	7.18	7.19	7.05	7.14	1.09	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				103		%
Indium	115-1				96		%
Indium	115-2				95		%
Iron	56-2	104019.11	103611.00	102593.19	103407.77	0.71	ppb
Iron	57-2	101804.91	103233.18	102076.52	102371.54	0.74	ppb
Iron	54-2	104851.16	104540.63	103363.89	104251.89	0.75	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	ICSA001	Instrumnet Name :	P7
Client Sample ID :	ICSA001	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:30:01	DataFile Name :	017ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	4.98	4.82	4.72	4.84	2.77	ppb
Lead	207-1	4.51	4.31	4.26	4.36	3.01	ppb
Lead	208-1	4.68	4.49	4.40	4.52	3.18	ppb
Lithium	6-1				95		%
Magnesium	24-2	94137.70	93839.82	92747.58	93575.03	0.78	ppb
Manganese	55-2	7.62	7.75	7.72	7.70	0.90	ppb
Molybdenum	94-1	1523.41	1540.13	1521.74	1528.43	0.67	ppb
Molybdenum	95-1	1865.45	1881.37	1878.65	1875.16	0.45	ppb
Molybdenum	96-1	1822.64	1830.36	1826.45	1826.48	0.21	ppb
Molybdenum	97-1	1868.15	1874.12	1838.48	1860.25	1.03	ppb
Molybdenum	98-1	1860.85	1879.09	1848.90	1862.94	0.82	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	4.41	4.47	4.30	4.39	1.98	ppb
Phosphorus	31-2	97705.48	99778.33	96499.65	97994.48	1.69	ppb
Potassium	39-2	96817.00	98158.08	96779.74	97251.61	0.81	ppb
Rhodium	103-1				91		%
Rhodium	103-2				92		%
Scandium	45-1				94		%
Scandium	45-2				95		%
Selenium	82-1	0.16	0.16	0.07	0.13	40.24	ppb
Selenium	77-2	0.09	0.26	0.43	0.26	66.60	ppb
Selenium	78-2	-0.42	-0.43	-0.63	-0.49		ppb
Silicon	28-1	0.28	0.35	0.49	0.37	29.33	ppb
Silver	107-1	0.02	0.02	0.02	0.02	5.02	ppb
Silver	109-1	0.02	0.02	0.02	0.02	6.96	ppb
Sodium	23-2	98330.69	98639.13	97648.94	98206.25	0.52	ppb
Strontium	86-1	825.93	838.46	837.51	833.97	0.84	ppb
Strontium	88-1	839.67	837.91	843.06	840.22	0.31	ppb
Sulfur	34-1	94693.95	96116.12	94567.17	95125.74	0.90	ppb
Terbium	159-1				103		%
Terbium	159-2				102		%
Thallium	203-1	0.09	0.12	0.12	0.11	16.97	ppb
Thallium	205-1	0.10	0.11	0.12	0.11	10.85	ppb
Tin	118-1	0.14	0.11	0.11	0.12	14.30	ppb
Titanium	47-1	1946.19	1970.62	1967.62	1961.48	0.68	ppb

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	ICSA001	Instrumnet Name :	P7
Client Sample ID :	ICSA001	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:30:01	DataFile Name :	017ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.02	0.02	0.02	0.02	3.00	ppb
Vanadium	51-2	0.18	0.16	0.17	0.17	7.32	ppb
Yttrium	89-1				98		%
Yttrium	89-2				97		%
Zinc	66-2	11.22	11.26	11.22	11.23	0.21	ppb
Zirconium	90-1	0.01	0.02	0.02	0.02	20.29	ppb
Zirconium	91-1	0.02	0.02	0.02	0.02	24.79	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	ICSAB001	Instrumnet Name :	P7
Client Sample ID :	ICSAB001	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:33:04	DataFile Name :	018ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	87048.26	87043.52	87072.28	87054.69	0.02	ppb
Antimony	121-1	20.53	20.72	21.26	20.84	1.80	ppb
Arsenic	75-2	20.40	20.19	20.14	20.24	0.69	ppb
Barium	135-1	20.63	20.89	21.36	20.96	1.77	ppb
Barium	137-1	20.51	20.74	21.03	20.76	1.24	ppb
Beryllium	9-1	21.61	20.53	20.67	20.94	2.80	ppb
Bismuth	209-1				102		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	25.70	25.19	25.98	25.62	1.57	ppb
Cadmium	106-1	16.09	15.75	15.23	15.69	2.74	ppb
Cadmium	111-1	19.51	19.90	20.01	19.81	1.32	ppb
Calcium	43-1	97456.90	98114.32	98189.27	97920.16	0.41	ppb
Calcium	44-1	97096.67	97830.72	97802.79	97576.73	0.43	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	38.44	38.60	38.47	38.50	0.22	ppb
Cobalt	59-2	20.70	20.49	20.47	20.55	0.60	ppb
Copper	63-2	25.35	24.96	25.10	25.14	0.79	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				105		%
Indium	115-1				100		%
Indium	115-2				96		%
Iron	56-2	100388.03	101657.15	100055.50	100700.23	0.84	ppb
Iron	57-2	101660.60	100222.12	99924.00	100602.24	0.92	ppb
Iron	54-2	101315.11	101243.80	101123.23	101227.38	0.10	ppb
Krypton	83-1						cps

Reviewed By:jaswal
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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	ICSAB001	Instrumnet Name :	P7
Client Sample ID :	ICSAB001	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:33:04	DataFile Name :	018ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	25.31	25.62	25.86	25.60	1.09	ppb
Lead	207-1	24.19	24.62	24.62	24.48	1.00	ppb
Lead	208-1	24.54	24.80	24.97	24.77	0.88	ppb
Lithium	6-1				91		%
Magnesium	24-2	90835.50	89923.30	90238.65	90332.48	0.51	ppb
Manganese	55-2	26.31	26.20	26.12	26.21	0.37	ppb
Molybdenum	94-1	1478.93	1482.24	1515.84	1492.34	1.37	ppb
Molybdenum	95-1	1802.15	1810.85	1842.31	1818.43	1.16	ppb
Molybdenum	96-1	1763.41	1766.19	1816.53	1782.05	1.68	ppb
Molybdenum	97-1	1793.28	1797.07	1828.88	1806.41	1.08	ppb
Molybdenum	98-1	1813.30	1802.53	1820.50	1812.11	0.50	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	23.51	23.33	23.44	23.43	0.38	ppb
Phosphorus	31-2	93797.28	96523.82	95176.48	95165.86	1.43	ppb
Potassium	39-2	95098.69	94647.14	94584.50	94776.78	0.30	ppb
Rhodium	103-1				95		%
Rhodium	103-2				95		%
Scandium	45-1				96		%
Scandium	45-2				97		%
Selenium	82-1	19.10	19.98	20.51	19.87	3.59	ppb
Selenium	77-2	21.64	21.38	19.88	20.97	4.55	ppb
Selenium	78-2	19.21	20.53	18.01	19.25	6.56	ppb
Silicon	28-1	0.53	0.60	0.69	0.60	13.10	ppb
Silver	107-1	18.39	18.46	18.72	18.52	0.91	ppb
Silver	109-1	18.34	18.42	18.84	18.53	1.44	ppb
Sodium	23-2	94403.20	95610.90	95465.17	95159.76	0.69	ppb
Strontium	86-1	809.60	806.53	823.16	813.10	1.09	ppb
Strontium	88-1	820.72	819.14	828.79	822.88	0.63	ppb
Sulfur	34-1	92748.88	92756.58	92893.71	92799.72	0.09	ppb
Terbium	159-1				107		%
Terbium	159-2				104		%
Thallium	203-1	20.69	21.12	21.20	21.01	1.30	ppb
Thallium	205-1	20.87	21.00	21.19	21.02	0.77	ppb
Tin	118-1	0.08	0.09	0.10	0.09	12.76	ppb
Titanium	47-1	1927.53	1894.10	1942.87	1921.50	1.30	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	ICSAB001	Instrumnet Name :	P7
Client Sample ID :	ICSAB001	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:33:04	DataFile Name :	018ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.02	0.02	0.02	0.02	3.75	ppb
Vanadium	51-2	19.31	19.27	19.27	19.28	0.12	ppb
Yttrium	89-1				102		%
Yttrium	89-2				99		%
Zinc	66-2	30.36	29.73	30.00	30.03	1.04	ppb
Zirconium	90-1	0.01	0.01	0.03	0.02	38.71	ppb
Zirconium	91-1	0.02	0.02	0.02	0.02	6.26	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	CCV001	Instrumnet Name :	P7
Client Sample ID :	CCV001	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:36:05	DataFile Name :	019CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	49818.03	50130.26	49650.30	49866.19	0.49	ppb
Antimony	121-1	490.91	503.31	500.40	498.21	1.30	ppb
Arsenic	75-2	513.90	505.58	505.52	508.33	0.95	ppb
Barium	135-1	2470.28	2507.88	2491.49	2489.88	0.76	ppb
Barium	137-1	2461.29	2491.43	2487.55	2480.09	0.66	ppb
Beryllium	9-1	559.40	547.81	538.59	548.60	1.90	ppb
Bismuth	209-1				97		%
Bismuth	209-2				92		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	506.54	509.82	510.99	509.11	0.45	ppb
Cadmium	106-1	506.24	510.87	513.19	510.10	0.69	ppb
Cadmium	111-1	501.81	511.88	514.26	509.31	1.30	ppb
Calcium	43-1	253799.51	255136.72	255555.92	254830.71	0.36	ppb
Calcium	44-1	252175.78	253347.46	256002.71	253841.98	0.77	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	497.16	487.70	482.68	489.18	1.50	ppb
Cobalt	59-2	494.67	497.66	492.54	494.96	0.52	ppb
Copper	63-2	5024.52	4993.40	4952.26	4990.06	0.73	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				100		%
Indium	115-1				96		%
Indium	115-2				91		%
Iron	56-2	129124.44	127366.11	126014.98	127501.84	1.22	ppb
Iron	57-2	127582.42	128861.70	125986.36	127476.83	1.13	ppb
Iron	54-2	129300.16	127027.40	126863.91	127730.49	1.07	ppb
Krypton	83-1						cps

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	CCV001	Instrumnet Name :	P7
Client Sample ID :	CCV001	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:36:05	DataFile Name :	019CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2513.28	2546.72	2525.86	2528.62	0.67	ppb
Lead	207-1	2543.13	2528.20	2536.49	2535.94	0.30	ppb
Lead	208-1	2535.82	2526.89	2529.83	2530.85	0.18	ppb
Lithium	6-1				88		%
Magnesium	24-2	251223.81	245262.43	246116.57	247534.27	1.30	ppb
Manganese	55-2	4918.47	4815.74	4783.26	4839.15	1.46	ppb
Molybdenum	94-1	4896.95	4984.49	5008.10	4963.18	1.18	ppb
Molybdenum	95-1	4962.50	5004.22	5005.04	4990.59	0.49	ppb
Molybdenum	96-1	4931.13	5032.67	5004.82	4989.54	1.05	ppb
Molybdenum	97-1	4934.44	5017.89	4968.03	4973.45	0.84	ppb
Molybdenum	98-1	4964.90	5013.19	4934.19	4970.76	0.80	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	494.31	493.19	491.01	492.84	0.34	ppb
Phosphorus	31-2	9935.92	9822.68	9872.33	9876.98	0.57	ppb
Potassium	39-2	125516.96	123987.80	124035.09	124513.28	0.70	ppb
Rhodium	103-1				90		%
Rhodium	103-2				88		%
Scandium	45-1				94		%
Scandium	45-2				95		%
Selenium	82-1	500.29	509.63	506.16	505.36	0.93	ppb
Selenium	77-2	502.27	496.94	498.53	499.25	0.55	ppb
Selenium	78-2	498.49	502.09	504.43	501.67	0.60	ppb
Silicon	28-1	462.62	460.81	460.81	461.41	0.23	ppb
Silver	107-1	489.48	490.46	501.94	493.96	1.40	ppb
Silver	109-1	487.61	499.94	492.80	493.45	1.25	ppb
Sodium	23-2	247118.50	249896.52	248579.09	248531.37	0.56	ppb
Strontium	86-1	12212.03	12457.49	12587.03	12418.85	1.53	ppb
Strontium	88-1	12303.55	12471.64	12519.09	12431.43	0.91	ppb
Sulfur	34-1	8987.09	8911.75	9013.33	8970.72	0.59	ppb
Terbium	159-1				103		%
Terbium	159-2				101		%
Thallium	203-1	503.66	509.03	505.60	506.10	0.54	ppb
Thallium	205-1	501.86	504.09	505.23	503.73	0.34	ppb
Tin	118-1	497.27	504.17	501.34	500.93	0.69	ppb
Titanium	47-1	4923.23	4963.06	4962.85	4949.72	0.46	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	CCV001	Instrumnet Name :	P7
Client Sample ID :	CCV001	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:36:05	DataFile Name :	019CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	512.17	506.68	508.55	509.14	0.55	ppb
Vanadium	51-2	491.82	486.89	492.66	490.45	0.64	ppb
Yttrium	89-1				98		%
Yttrium	89-2				96		%
Zinc	66-2	4887.74	4928.45	4902.20	4906.13	0.42	ppb
Zirconium	90-1	497.64	502.62	499.27	499.84	0.51	ppb
Zirconium	91-1	499.37	498.16	499.96	499.16	0.18	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	CCB001	Instrumnet Name :	P7
Client Sample ID :	CCB001	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:38:47	DataFile Name :	020CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	5.89	2.63	2.26	3.60	55.65	ppb
Antimony	121-1	0.12	0.16	0.24	0.17	36.70	ppb
Arsenic	75-2	0.18	0.03	0.04	0.08	101.21	ppb
Barium	135-1	0.08	0.06	0.09	0.08	24.82	ppb
Barium	137-1	0.07	0.06	0.10	0.08	26.54	ppb
Beryllium	9-1	0.02	0.06	0.07	0.05	47.38	ppb
Bismuth	209-1				109		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.04	0.03	0.00	0.02	94.47	ppb
Cadmium	106-1	0.12	-0.48	-0.29	-0.22		ppb
Cadmium	111-1	0.04	0.00	0.01	0.02	125.29	ppb
Calcium	43-1	7.63	5.46	11.27	8.12	36.16	ppb
Calcium	44-1	10.08	8.81	12.76	10.55	19.10	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.02	0.03	0.03	0.03	22.72	ppb
Cobalt	59-2	0.03	0.02	0.02	0.03	21.84	ppb
Copper	63-2	1.09	0.29	0.30	0.56	81.36	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				107		%
Holmium	165-2				103		%
Indium	115-1				103		%
Indium	115-2				99		%
Iron	56-2	10.61	7.25	6.92	8.26	24.70	ppb
Iron	57-2	8.45	6.08	6.67	7.07	17.47	ppb
Iron	54-2	10.81	6.95	6.63	8.13	28.61	ppb
Krypton	83-1						cps

Reviewed By:jaswal
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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	CCB001	Instrumnet Name :	P7
Client Sample ID :	CCB001	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:38:47	DataFile Name :	020CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.18	0.19	0.20	0.19	7.42	ppb
Lead	207-1	0.19	0.17	0.19	0.18	6.54	ppb
Lead	208-1	0.18	0.17	0.20	0.18	6.26	ppb
Lithium	6-1				99		%
Magnesium	24-2	17.73	11.80	10.86	13.47	27.66	ppb
Manganese	55-2	0.30	0.26	0.20	0.25	20.82	ppb
Molybdenum	94-1	0.24	0.26	0.36	0.29	23.77	ppb
Molybdenum	95-1	0.25	0.23	0.33	0.27	19.74	ppb
Molybdenum	96-1	0.23	0.23	0.32	0.26	20.27	ppb
Molybdenum	97-1	0.24	0.22	0.31	0.25	17.42	ppb
Molybdenum	98-1	0.23	0.24	0.33	0.27	20.02	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.11	0.10	0.10	0.10	5.38	ppb
Phosphorus	31-2	-13.76	-16.89	-17.34	-16.00		ppb
Potassium	39-2	16.79	12.12	12.03	13.65	19.95	ppb
Rhodium	103-1				101		%
Rhodium	103-2				100		%
Scandium	45-1				98		%
Scandium	45-2				97		%
Selenium	82-1	-0.11	-0.24	-0.38	-0.25		ppb
Selenium	77-2	0.17	0.00	0.09	0.09	99.55	ppb
Selenium	78-2	-0.91	-1.06	-0.10	-0.69		ppb
Silicon	28-1	-5.87	-5.69	-5.52	-5.70		ppb
Silver	107-1	0.06	0.05	0.05	0.05	9.75	ppb
Silver	109-1	0.05	0.04	0.04	0.05	16.11	ppb
Sodium	23-2	47.97	36.96	34.81	39.91	17.69	ppb
Strontium	86-1	0.24	0.19	0.46	0.30	49.00	ppb
Strontium	88-1	0.43	0.38	0.52	0.44	14.96	ppb
Sulfur	34-1	-476.99	-385.58	-368.32	-410.30		ppb
Terbium	159-1				106		%
Terbium	159-2				104		%
Thallium	203-1	0.09	0.08	0.09	0.09	4.95	ppb
Thallium	205-1	0.09	0.08	0.08	0.09	6.06	ppb
Tin	118-1	0.02	0.00	0.02	0.01	114.72	ppb
Titanium	47-1	0.23	0.15	0.20	0.19	21.32	ppb

Reviewed By:jaswal
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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	CCB001	Instrumnet Name :	P7
Client Sample ID :	CCB001	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:38:47	DataFile Name :	020CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.01	0.02	0.01	24.56	ppb
Vanadium	51-2	0.03	0.03	0.02	0.03	19.41	ppb
Yttrium	89-1				102		%
Yttrium	89-2				99		%
Zinc	66-2	1.46	0.31	0.35	0.71	92.10	ppb
Zirconium	90-1	0.02	0.02	0.04	0.03	24.49	ppb
Zirconium	91-1	0.03	0.03	0.05	0.03	32.56	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165206BL	Instrumnet Name :	P7
Client Sample ID :	PBS206	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:42:02	DataFile Name :	021CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.33	0.28	0.32	0.31	8.32	ppb
Antimony	121-1	0.03	0.06	0.07	0.05	36.81	ppb
Arsenic	75-2	0.01	0.00	0.01	0.00	136.02	ppb
Barium	135-1	0.00	0.01	0.01	0.01	52.01	ppb
Barium	137-1	0.01	0.01	0.01	0.01	46.38	ppb
Beryllium	9-1	0.02	0.03	0.00	0.02	65.94	ppb
Bismuth	209-1				103		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.03	0.02	0.01	0.02	38.82	ppb
Cadmium	106-1	0.15	-0.02	-0.84	-0.24		ppb
Cadmium	111-1	0.02	0.01	-0.05	-0.01		ppb
Calcium	43-1	-1.81	-2.30	-1.33	-1.81		ppb
Calcium	44-1	0.71	1.22	-0.41	0.50	165.47	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	9.39	ppb
Cobalt	59-2	0.00	0.00	0.00	0.00	11.33	ppb
Copper	63-2	0.05	0.05	0.06	0.05	5.20	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				101		%
Holmium	165-2				101		%
Indium	115-1				99		%
Indium	115-2				97		%
Iron	56-2	1.02	0.96	0.98	0.99	3.40	ppb
Iron	57-2	0.58	0.63	0.60	0.60	3.71	ppb
Iron	54-2	1.51	1.57	1.03	1.37	21.60	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165206BL	Instrumnet Name :	P7
Client Sample ID :	PBS206	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:42:02	DataFile Name :	021CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.08	0.08	0.08	0.08	1.67	ppb
Lead	207-1	0.07	0.07	0.07	0.07	1.12	ppb
Lead	208-1	0.08	0.08	0.07	0.08	4.55	ppb
Lithium	6-1				95		%
Magnesium	24-2	1.42	1.29	1.34	1.35	4.90	ppb
Manganese	55-2	-0.04	-0.03	-0.04	-0.04		ppb
Molybdenum	94-1	0.08	0.09	0.09	0.09	6.36	ppb
Molybdenum	95-1	0.05	0.06	0.07	0.06	14.49	ppb
Molybdenum	96-1	0.04	0.05	0.06	0.05	18.01	ppb
Molybdenum	97-1	0.05	0.06	0.05	0.06	12.22	ppb
Molybdenum	98-1	0.05	0.06	0.06	0.06	3.29	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.10	0.11	0.08	0.10	18.55	ppb
Phosphorus	31-2	-14.20	-14.66	-16.08	-14.98		ppb
Potassium	39-2	6.15	5.99	6.61	6.25	5.17	ppb
Rhodium	103-1				97		%
Rhodium	103-2				98		%
Scandium	45-1				94		%
Scandium	45-2				95		%
Selenium	82-1	-0.24	-0.33	-0.58	-0.38		ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-0.74	-0.83	-0.40	-0.66		ppb
Silicon	28-1	-5.72	-4.81	-5.46	-5.33		ppb
Silver	107-1	0.01	0.01	0.01	0.01	1.46	ppb
Silver	109-1	0.01	0.01	0.01	0.01	16.81	ppb
Sodium	23-2	16.82	16.70	16.59	16.70	0.70	ppb
Strontium	86-1	-0.48	0.02	-0.38	-0.28		ppb
Strontium	88-1	0.09	0.05	-0.01	0.04	116.49	ppb
Sulfur	34-1	-283.55	-43.24	-171.35	-166.04		ppb
Terbium	159-1				102		%
Terbium	159-2				100		%
Thallium	203-1	0.04	0.05	0.05	0.05	9.95	ppb
Thallium	205-1	0.05	0.05	0.05	0.05	4.43	ppb
Tin	118-1	-0.05	-0.06	-0.04	-0.05		ppb
Titanium	47-1	0.03	0.03	0.04	0.03	9.80	ppb

Reviewed By:jaswal
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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165206BL	Instrumnet Name :	P7
Client Sample ID :	PBS206	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:42:02	DataFile Name :	021CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	23.66	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	27.92	ppb
Yttrium	89-1				98		%
Yttrium	89-2				97		%
Zinc	66-2	-0.03	-0.05	-0.03	-0.04		ppb
Zirconium	90-1	0.01	0.02	0.02	0.02	24.65	ppb
Zirconium	91-1	0.02	0.02	0.03	0.02	25.72	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165206BS	Instrumnet Name :	P7
Client Sample ID :	LCS206	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:45:20	DataFile Name :	022LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	46.05	46.17	46.85	46.36	0.93	ppb
Antimony	121-1	4.32	4.39	4.38	4.37	0.89	ppb
Arsenic	75-2	2.24	2.25	2.40	2.29	3.88	ppb
Barium	135-1	20.59	20.77	20.72	20.70	0.44	ppb
Barium	137-1	20.76	21.06	20.89	20.90	0.72	ppb
Beryllium	9-1	2.34	2.12	2.01	2.16	7.79	ppb
Bismuth	209-1				106		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.02	2.19	1.94	2.05	6.34	ppb
Cadmium	106-1	1.45	1.56	1.85	1.62	13.05	ppb
Cadmium	111-1	2.23	2.22	2.23	2.23	0.06	ppb
Calcium	43-1	1088.00	1096.83	1085.83	1090.22	0.53	ppb
Calcium	44-1	1084.22	1077.00	1076.11	1079.11	0.41	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4.45	4.40	4.34	4.40	1.21	ppb
Cobalt	59-2	2.24	2.13	2.22	2.20	2.66	ppb
Copper	63-2	4.61	4.52	4.55	4.56	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				105		%
Holmium	165-2				103		%
Indium	115-1				103		%
Indium	115-2				99		%
Iron	56-2	467.72	456.44	456.67	460.27	1.40	ppb
Iron	57-2	481.05	471.29	475.98	476.11	1.03	ppb
Iron	54-2	487.05	476.40	483.87	482.44	1.13	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165206BS	Instrumnet Name :	P7
Client Sample ID :	LCS206	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:45:20	DataFile Name :	022LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2.10	2.17	2.12	2.13	1.58	ppb
Lead	207-1	2.12	2.15	2.12	2.13	0.89	ppb
Lead	208-1	2.13	2.16	2.12	2.14	0.90	ppb
Lithium	6-1				99		%
Magnesium	24-2	1048.49	1040.01	1042.03	1043.51	0.42	ppb
Manganese	55-2	2.23	2.17	2.16	2.19	1.79	ppb
Molybdenum	94-1	12.04	12.35	12.30	12.23	1.38	ppb
Molybdenum	95-1	10.25	10.25	10.34	10.28	0.52	ppb
Molybdenum	96-1	10.32	10.41	10.55	10.43	1.09	ppb
Molybdenum	97-1	10.23	10.39	10.37	10.33	0.84	ppb
Molybdenum	98-1	10.24	10.40	10.28	10.31	0.80	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.97	1.94	1.99	1.97	1.35	ppb
Phosphorus	31-2	-18.31	-18.52	-17.29	-18.04		ppb
Potassium	39-2	1118.88	1065.43	1119.61	1101.31	2.82	ppb
Rhodium	103-1				101		%
Rhodium	103-2				100		%
Scandium	45-1				99		%
Scandium	45-2				99		%
Selenium	82-1	11.00	11.09	11.24	11.11	1.11	ppb
Selenium	77-2	10.37	10.69	11.19	10.75	3.83	ppb
Selenium	78-2	10.60	11.18	11.02	10.93	2.74	ppb
Silicon	28-1	1.19	1.41	1.58	1.40	14.05	ppb
Silver	107-1	2.16	2.20	2.18	2.18	0.81	ppb
Silver	109-1	2.12	2.21	2.19	2.17	2.27	ppb
Sodium	23-2	1095.39	1102.06	1068.33	1088.59	1.64	ppb
Strontium	86-1	53.95	53.27	52.23	53.15	1.63	ppb
Strontium	88-1	52.00	52.35	53.34	52.56	1.32	ppb
Sulfur	34-1	-277.11	-263.43	-221.53	-254.02		ppb
Terbium	159-1				106		%
Terbium	159-2				103		%
Thallium	203-1	2.07	2.10	2.03	2.07	1.76	ppb
Thallium	205-1	2.09	2.11	2.04	2.08	1.64	ppb
Tin	118-1	0.00	0.01	0.01	0.01	68.05	ppb
Titanium	47-1	10.35	10.43	10.37	10.39	0.40	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165206BS	Instrumnet Name :	P7
Client Sample ID :	LCS206	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:45:20	DataFile Name :	022LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.90	1.92	1.88	1.90	1.02	ppb
Vanadium	51-2	10.61	10.50	10.57	10.56	0.51	ppb
Yttrium	89-1				101		%
Yttrium	89-2				99		%
Zinc	66-2	12.07	11.47	11.63	11.72	2.64	ppb
Zirconium	90-1	2.10	2.09	2.08	2.09	0.59	ppb
Zirconium	91-1	2.06	2.12	2.10	2.09	1.33	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165205BL	Instrumnet Name :	P7
Client Sample ID :	PBS205	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:48:32	DataFile Name :	023CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.11	0.10	0.12	0.11	6.93	ppb
Antimony	121-1	0.01	0.01	0.02	0.02	23.29	ppb
Arsenic	75-2	-0.01	0.00	0.00	0.00		ppb
Barium	135-1	0.00	0.00	0.00	0.00	577.92	ppb
Barium	137-1	0.01	0.00	0.00	0.00	65.00	ppb
Beryllium	9-1	-0.01	-0.01	0.00	-0.01		ppb
Bismuth	209-1				103		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.01	0.01	-0.01	0.00	280.68	ppb
Cadmium	106-1	-0.46	-0.83	-0.75	-0.68		ppb
Cadmium	111-1	-0.03	-0.06	-0.05	-0.05		ppb
Calcium	43-1	-3.28	-3.09	-2.72	-3.03		ppb
Calcium	44-1	-0.53	-0.70	-1.23	-0.82		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.05	0.05	0.05	0.05	5.56	ppb
Cobalt	59-2	0.00	0.00	0.00	0.00	162.76	ppb
Copper	63-2	0.03	0.03	0.02	0.03	24.77	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				101		%
Holmium	165-2				101		%
Indium	115-1				100		%
Indium	115-2				98		%
Iron	56-2	0.80	0.87	0.84	0.83	3.91	ppb
Iron	57-2	0.91	1.41	0.83	1.05	29.95	ppb
Iron	54-2	1.44	1.63	1.14	1.40	17.58	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165205BL	Instrumnet Name :	P7
Client Sample ID :	PBS205	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:48:32	DataFile Name :	023CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.04	0.04	0.03	0.04	5.25	ppb
Lead	207-1	0.04	0.05	0.03	0.04	17.99	ppb
Lead	208-1	0.04	0.04	0.03	0.04	4.92	ppb
Lithium	6-1				96		%
Magnesium	24-2	0.68	0.91	0.66	0.75	18.18	ppb
Manganese	55-2	-0.07	-0.05	-0.06	-0.06		ppb
Molybdenum	94-1	0.03	0.04	0.05	0.04	30.37	ppb
Molybdenum	95-1	0.01	0.02	0.02	0.02	19.80	ppb
Molybdenum	96-1	0.01	0.02	0.02	0.02	37.01	ppb
Molybdenum	97-1	0.01	0.01	0.02	0.01	38.56	ppb
Molybdenum	98-1	0.02	0.01	0.02	0.02	7.65	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.07	0.07	0.08	0.07	7.51	ppb
Phosphorus	31-2	-17.18	-15.31	-15.84	-16.11		ppb
Potassium	39-2	2.84	4.03	4.49	3.79	22.40	ppb
Rhodium	103-1				98		%
Rhodium	103-2				99		%
Scandium	45-1				96		%
Scandium	45-2				98		%
Selenium	82-1	-0.37	0.00	-0.26	-0.21		ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-0.43	0.46	-0.09	-0.02		ppb
Silicon	28-1	-5.26	-5.10	-5.25	-5.20		ppb
Silver	107-1	0.01	0.01	0.01	0.01	25.50	ppb
Silver	109-1	0.01	0.00	0.00	0.01	18.83	ppb
Sodium	23-2	9.40	9.27	10.10	9.59	4.67	ppb
Strontium	86-1	-0.07	-0.26	0.09	-0.08		ppb
Strontium	88-1	-0.03	-0.02	-0.05	-0.03		ppb
Sulfur	34-1	-249.13	-234.37	-272.52	-252.01		ppb
Terbium	159-1				102		%
Terbium	159-2				100		%
Thallium	203-1	0.02	0.02	0.02	0.02	13.56	ppb
Thallium	205-1	0.02	0.02	0.02	0.02	3.93	ppb
Tin	118-1	-0.06	-0.05	-0.05	-0.06		ppb
Titanium	47-1	0.02	0.01	0.00	0.01	84.27	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165205BL	Instrumnet Name :	P7
Client Sample ID :	PBS205	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:48:32	DataFile Name :	023CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	213.70	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	646.06	ppb
Yttrium	89-1				98		%
Yttrium	89-2				98		%
Zinc	66-2	-0.10	0.00	-0.10	-0.07		ppb
Zirconium	90-1	0.01	0.01	0.02	0.01	49.11	ppb
Zirconium	91-1	0.01	0.02	0.02	0.01	30.63	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165205BS	Instrumnet Name :	P7
Client Sample ID :	LCS205	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:51:50	DataFile Name :	024CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	41.47	41.13	40.84	41.15	0.77	ppb
Antimony	121-1	4.36	4.41	4.37	4.38	0.57	ppb
Arsenic	75-2	2.29	2.22	2.31	2.27	2.20	ppb
Barium	135-1	20.63	21.17	21.02	20.94	1.35	ppb
Barium	137-1	20.96	21.12	20.75	20.94	0.91	ppb
Beryllium	9-1	2.24	2.22	2.26	2.24	0.98	ppb
Bismuth	209-1				107		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.10	2.05	2.11	2.09	1.80	ppb
Cadmium	106-1	2.24	1.77	1.97	1.99	11.98	ppb
Cadmium	111-1	2.26	2.26	2.27	2.26	0.17	ppb
Calcium	43-1	1082.97	1085.95	1078.63	1082.52	0.34	ppb
Calcium	44-1	1085.87	1086.46	1085.90	1086.07	0.03	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4.35	4.39	4.34	4.36	0.53	ppb
Cobalt	59-2	2.20	2.24	2.19	2.21	1.37	ppb
Copper	63-2	4.47	4.48	4.50	4.48	0.44	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				104		%
Indium	115-1				104		%
Indium	115-2				102		%
Iron	56-2	450.49	451.36	453.43	451.76	0.33	ppb
Iron	57-2	476.66	474.52	470.68	473.95	0.64	ppb
Iron	54-2	481.40	481.38	478.92	480.57	0.30	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165205BS	Instrumnet Name :	P7
Client Sample ID :	LCS205	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:51:50	DataFile Name :	024CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2.14	2.17	2.11	2.14	1.55	ppb
Lead	207-1	2.09	2.13	2.09	2.10	1.29	ppb
Lead	208-1	2.11	2.15	2.11	2.12	1.05	ppb
Lithium	6-1				99		%
Magnesium	24-2	1041.61	1039.89	1032.08	1037.86	0.49	ppb
Manganese	55-2	2.08	2.15	2.15	2.12	1.93	ppb
Molybdenum	94-1	12.19	12.05	12.25	12.16	0.83	ppb
Molybdenum	95-1	10.22	10.25	10.32	10.26	0.50	ppb
Molybdenum	96-1	10.50	10.41	10.48	10.46	0.45	ppb
Molybdenum	97-1	10.38	10.23	10.25	10.29	0.79	ppb
Molybdenum	98-1	10.24	10.24	10.35	10.28	0.62	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.19	2.15	2.22	2.19	1.61	ppb
Phosphorus	31-2	-17.37	-16.14	-17.89	-17.14		ppb
Potassium	39-2	1077.95	1070.69	1074.89	1074.51	0.34	ppb
Rhodium	103-1				103		%
Rhodium	103-2				102		%
Scandium	45-1				100		%
Scandium	45-2				102		%
Selenium	82-1	11.70	11.55	11.46	11.57	1.07	ppb
Selenium	77-2	10.52	12.62	10.38	11.18	11.22	ppb
Selenium	78-2	10.35	9.98	10.38	10.24	2.17	ppb
Silicon	28-1	1.73	1.63	2.14	1.83	14.77	ppb
Silver	107-1	2.16	2.24	2.25	2.22	2.22	ppb
Silver	109-1	2.17	2.25	2.18	2.20	1.90	ppb
Sodium	23-2	1076.98	1061.26	1076.38	1071.54	0.83	ppb
Strontium	86-1	52.71	51.47	54.12	52.77	2.51	ppb
Strontium	88-1	53.40	52.34	53.05	52.93	1.02	ppb
Sulfur	34-1	-272.20	-255.86	-189.91	-239.32		ppb
Terbium	159-1				106		%
Terbium	159-2				103		%
Thallium	203-1	2.01	2.05	2.01	2.02	1.14	ppb
Thallium	205-1	2.03	2.03	2.02	2.03	0.42	ppb
Tin	118-1	0.01	0.01	0.00	0.00	179.83	ppb
Titanium	47-1	10.52	10.43	10.55	10.50	0.57	ppb

Reviewed By:jaswal
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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165205BS	Instrumnet Name :	P7
Client Sample ID :	LCS205	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:51:50	DataFile Name :	024CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.89	1.92	1.89	1.90	0.93	ppb
Vanadium	51-2	10.45	10.54	10.51	10.50	0.42	ppb
Yttrium	89-1				103		%
Yttrium	89-2				102		%
Zinc	66-2	11.32	11.63	11.07	11.34	2.48	ppb
Zirconium	90-1	2.12	2.07	2.11	2.10	1.40	ppb
Zirconium	91-1	2.11	2.06	2.07	2.08	1.10	ppb

Reviewed By:jaswal
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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165214BL	Instrumnet Name :	P7
Client Sample ID :	PBS214	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:55:02	DataFile Name :	025CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.02	0.15	0.17	0.11	73.06	ppb
Antimony	121-1	0.01	0.01	0.01	0.01	46.07	ppb
Arsenic	75-2	-0.01	0.01	0.00	0.00	562.29	ppb
Barium	135-1	0.00	0.00	0.00	0.00		ppb
Barium	137-1	0.00	0.00	0.00	0.00	148.65	ppb
Beryllium	9-1	-0.01	0.00	0.02	0.00	391.76	ppb
Bismuth	209-1				104		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.01	0.00	0.01	0.00	915.73	ppb
Cadmium	106-1	0.19	0.30	-0.46	0.01	4325.91	ppb
Cadmium	111-1	0.02	0.02	-0.03	0.00	1400.42	ppb
Calcium	43-1	-3.55	-1.37	-3.71	-2.87		ppb
Calcium	44-1	-0.29	-0.33	0.11	-0.17		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.04	0.02	0.04	0.03	44.63	ppb
Cobalt	59-2	0.00	0.00	0.00	0.00		ppb
Copper	63-2	0.02	0.03	0.01	0.02	37.39	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				102		%
Indium	115-1				101		%
Indium	115-2				100		%
Iron	56-2	0.42	0.37	0.31	0.36	14.91	ppb
Iron	57-2	-0.27	-0.26	-0.17	-0.23		ppb
Iron	54-2	1.31	0.72	0.88	0.97	31.92	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165214BL	Instrumnet Name :	P7
Client Sample ID :	PBS214	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:55:02	DataFile Name :	025CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.02	0.03	0.02	0.02	17.80	ppb
Lead	207-1	0.02	0.02	0.02	0.02	9.15	ppb
Lead	208-1	0.02	0.02	0.02	0.02	2.41	ppb
Lithium	6-1				99		%
Magnesium	24-2	0.80	0.76	0.67	0.74	8.71	ppb
Manganese	55-2	0.00	0.00	0.00	0.00	37.64	ppb
Molybdenum	94-1	0.02	0.03	0.05	0.03	35.50	ppb
Molybdenum	95-1	0.01	0.01	0.02	0.01	51.72	ppb
Molybdenum	96-1	0.00	0.01	0.01	0.01	57.82	ppb
Molybdenum	97-1	0.01	0.01	0.02	0.01	37.35	ppb
Molybdenum	98-1	0.01	0.01	0.02	0.01	25.24	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.26	0.26	0.25	0.26	2.05	ppb
Phosphorus	31-2	-16.75	-14.22	-15.99	-15.66		ppb
Potassium	39-2	2.18	2.85	2.08	2.37	17.80	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				98		%
Scandium	45-2				99		%
Selenium	82-1	0.30	-0.31	-0.09	-0.03		ppb
Selenium	77-2	0.00	0.00	0.08	0.03	173.21	ppb
Selenium	78-2	-0.23	-0.59	-0.67	-0.49		ppb
Silicon	28-1	-5.31	-5.30	-5.30	-5.30		ppb
Silver	107-1	0.01	0.01	0.00	0.01	28.47	ppb
Silver	109-1	0.01	0.00	0.00	0.00	29.09	ppb
Sodium	23-2	6.43	7.44	6.50	6.79	8.27	ppb
Strontium	86-1	-0.06	-0.33	-0.22	-0.21		ppb
Strontium	88-1	-0.04	-0.03	-0.01	-0.02		ppb
Sulfur	34-1	-177.13	-179.85	-196.84	-184.61		ppb
Terbium	159-1				103		%
Terbium	159-2				102		%
Thallium	203-1	0.02	0.01	0.01	0.01	12.67	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	4.43	ppb
Tin	118-1	-0.07	-0.07	-0.06	-0.07		ppb
Titanium	47-1	0.02	0.02	0.03	0.02	32.98	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165214BL	Instrumnet Name :	P7
Client Sample ID :	PBS214	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:55:02	DataFile Name :	025CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	42.00	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	83.07	ppb
Yttrium	89-1				100		%
Yttrium	89-2				100		%
Zinc	66-2	-0.05	-0.03	-0.03	-0.04		ppb
Zirconium	90-1	0.01	0.01	0.01	0.01	45.44	ppb
Zirconium	91-1	0.00	0.01	0.01	0.01	58.02	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165214BS	Instrumnet Name :	P7
Client Sample ID :	LCS214	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:58:19	DataFile Name :	026LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	40.84	40.46	40.59	40.63	0.47	ppb
Antimony	121-1	4.18	4.34	4.31	4.28	2.08	ppb
Arsenic	75-2	2.21	2.29	2.14	2.21	3.35	ppb
Barium	135-1	20.09	20.66	20.75	20.50	1.73	ppb
Barium	137-1	20.49	20.53	20.76	20.60	0.71	ppb
Beryllium	9-1	2.18	2.04	2.08	2.10	3.46	ppb
Bismuth	209-1				108		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.28	2.37	2.26	2.30	2.46	ppb
Cadmium	106-1	2.40	1.58	2.37	2.11	21.93	ppb
Cadmium	111-1	2.17	2.14	2.26	2.19	2.77	ppb
Calcium	43-1	1049.10	1072.45	1083.87	1068.47	1.66	ppb
Calcium	44-1	1048.23	1067.54	1065.59	1060.45	1.00	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4.23	4.31	4.24	4.26	1.11	ppb
Cobalt	59-2	2.16	2.20	2.16	2.18	1.11	ppb
Copper	63-2	4.44	4.47	4.53	4.48	0.98	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				104		%
Indium	115-1				106		%
Indium	115-2				102		%
Iron	56-2	447.59	447.66	448.46	447.90	0.11	ppb
Iron	57-2	466.77	467.66	463.26	465.90	0.50	ppb
Iron	54-2	472.54	482.09	475.08	476.57	1.04	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165214BS	Instrumnet Name :	P7
Client Sample ID :	LCS214	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:58:19	DataFile Name :	026LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2.04	2.07	2.13	2.08	2.23	ppb
Lead	207-1	2.02	2.15	2.11	2.09	3.22	ppb
Lead	208-1	2.03	2.08	2.12	2.08	2.10	ppb
Lithium	6-1				102		%
Magnesium	24-2	1027.68	1031.19	1025.64	1028.17	0.27	ppb
Manganese	55-2	2.13	2.14	2.11	2.13	0.62	ppb
Molybdenum	94-1	11.47	11.90	12.08	11.82	2.68	ppb
Molybdenum	95-1	9.81	10.09	10.00	9.97	1.42	ppb
Molybdenum	96-1	9.98	10.28	10.19	10.15	1.54	ppb
Molybdenum	97-1	9.69	10.04	10.11	9.95	2.25	ppb
Molybdenum	98-1	9.73	10.12	10.04	9.96	2.04	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.10	2.17	2.22	2.16	2.78	ppb
Phosphorus	31-2	-20.03	-16.63	-15.37	-17.34		ppb
Potassium	39-2	1058.67	1080.88	1055.71	1065.09	1.29	ppb
Rhodium	103-1				104		%
Rhodium	103-2				102		%
Scandium	45-1				102		%
Scandium	45-2				102		%
Selenium	82-1	10.60	11.38	11.01	11.00	3.52	ppb
Selenium	77-2	11.60	10.63	11.91	11.38	5.87	ppb
Selenium	78-2	11.55	10.32	11.61	11.16	6.54	ppb
Silicon	28-1	1.07	1.18	1.21	1.15	6.54	ppb
Silver	107-1	2.12	2.15	2.19	2.15	1.69	ppb
Silver	109-1	2.08	2.18	2.18	2.15	2.79	ppb
Sodium	23-2	1064.63	1081.61	1055.97	1067.40	1.22	ppb
Strontium	86-1	49.83	51.80	51.52	51.05	2.08	ppb
Strontium	88-1	49.68	51.51	51.84	51.01	2.28	ppb
Sulfur	34-1	-252.00	-216.41	-164.36	-210.92		ppb
Terbium	159-1				107		%
Terbium	159-2				104		%
Thallium	203-1	1.91	2.00	2.04	1.98	3.22	ppb
Thallium	205-1	1.93	2.01	2.04	2.00	2.97	ppb
Tin	118-1	0.01	0.01	0.01	0.01	33.56	ppb
Titanium	47-1	9.95	10.47	10.19	10.20	2.54	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165214BS	Instrumnet Name :	P7
Client Sample ID :	LCS214	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:58:19	DataFile Name :	026LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.79	1.88	1.88	1.85	2.57	ppb
Vanadium	51-2	10.30	10.60	10.31	10.40	1.63	ppb
Yttrium	89-1				106		%
Yttrium	89-2				102		%
Zinc	66-2	11.04	11.39	11.42	11.28	1.88	ppb
Zirconium	90-1	1.98	2.05	2.01	2.01	1.68	ppb
Zirconium	91-1	1.99	2.13	2.07	2.06	3.27	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165208BL	Instrumnet Name :	P7
Client Sample ID :	PBS208	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:01:32	DataFile Name :	027CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.28	0.25	0.25	0.26	6.37	ppb
Antimony	121-1	0.01	0.01	0.01	0.01	32.83	ppb
Arsenic	75-2	-0.01	0.00	0.01	0.00	593.98	ppb
Barium	135-1	0.00	0.00	0.00	0.00		ppb
Barium	137-1	0.01	0.00	0.00	0.00	103.97	ppb
Beryllium	9-1	0.00	-0.02	0.00	-0.01		ppb
Bismuth	209-1				104		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.02	0.01	-0.01	0.01	239.73	ppb
Cadmium	106-1	-0.35	0.23	-0.32	-0.15		ppb
Cadmium	111-1	-0.03	0.01	-0.02	-0.01		ppb
Calcium	43-1	-3.05	-3.23	-2.99	-3.09		ppb
Calcium	44-1	-1.35	-0.98	-1.71	-1.34		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	15.35	ppb
Cobalt	59-2	0.00	0.00	0.00	0.00	24.82	ppb
Copper	63-2	0.03	0.02	0.01	0.02	41.06	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				102		%
Indium	115-1				102		%
Indium	115-2				99		%
Iron	56-2	0.49	0.51	0.49	0.50	2.05	ppb
Iron	57-2	0.27	0.35	0.54	0.39	35.95	ppb
Iron	54-2	1.08	1.24	1.02	1.11	9.99	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165208BL	Instrumnet Name :	P7
Client Sample ID :	PBS208	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:01:32	DataFile Name :	027CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.02	0.02	0.02	0.02	9.75	ppb
Lead	207-1	0.01	0.01	0.02	0.02	30.06	ppb
Lead	208-1	0.01	0.02	0.02	0.02	10.99	ppb
Lithium	6-1				99		%
Magnesium	24-2	0.72	0.72	0.72	0.72	0.37	ppb
Manganese	55-2	-0.07	-0.08	-0.09	-0.08		ppb
Molybdenum	94-1	0.03	0.03	0.09	0.05	74.80	ppb
Molybdenum	95-1	0.01	0.02	0.08	0.04	100.15	ppb
Molybdenum	96-1	0.02	0.01	0.05	0.03	76.32	ppb
Molybdenum	97-1	0.02	0.01	0.04	0.03	68.81	ppb
Molybdenum	98-1	0.02	0.01	0.04	0.02	58.87	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.39	0.36	0.37	0.37	3.23	ppb
Phosphorus	31-2	-15.96	-15.75	-16.02	-15.91		ppb
Potassium	39-2	3.19	2.97	1.84	2.67	27.14	ppb
Rhodium	103-1				101		%
Rhodium	103-2				100		%
Scandium	45-1				99		%
Scandium	45-2				99		%
Selenium	82-1	-0.08	0.12	-0.29	-0.08		ppb
Selenium	77-2	0.00	0.00	0.09	0.03	173.21	ppb
Selenium	78-2	0.42	-0.30	-0.62	-0.17		ppb
Silicon	28-1	-5.81	-5.39	-5.27	-5.49		ppb
Silver	107-1	0.00	0.00	0.01	0.00	27.68	ppb
Silver	109-1	0.01	0.01	0.00	0.01	39.52	ppb
Sodium	23-2	4.96	5.26	4.36	4.86	9.45	ppb
Strontium	86-1	-0.17	-0.04	0.24	0.01	2291.19	ppb
Strontium	88-1	-0.02	-0.04	0.14	0.03	361.59	ppb
Sulfur	34-1	-204.15	-81.17	-112.14	-132.49		ppb
Terbium	159-1				104		%
Terbium	159-2				101		%
Thallium	203-1	0.01	0.01	0.02	0.01	30.20	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	10.62	ppb
Tin	118-1	-0.07	-0.08	-0.06	-0.07		ppb
Titanium	47-1	0.02	0.02	0.03	0.02	32.79	ppb

Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165208BL	Instrumnet Name :	P7
Client Sample ID :	PBS208	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:01:32	DataFile Name :	027CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	22.03	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	83.75	ppb
Yttrium	89-1				101		%
Yttrium	89-2				100		%
Zinc	66-2	-0.11	-0.18	-0.15	-0.15		ppb
Zirconium	90-1	0.01	0.01	0.02	0.01	56.66	ppb
Zirconium	91-1	0.01	0.01	0.02	0.01	47.80	ppb

Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165208BS	Instrumnet Name :	P7
Client Sample ID :	LCS208	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:04:49	DataFile Name :	028LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	44.48	46.99	41.89	44.45	5.73	ppb
Antimony	121-1	4.33	4.37	4.30	4.34	0.76	ppb
Arsenic	75-2	2.42	2.52	2.17	2.37	7.61	ppb
Barium	135-1	20.76	20.86	20.42	20.68	1.13	ppb
Barium	137-1	20.79	20.79	20.39	20.65	1.10	ppb
Beryllium	9-1	2.24	2.24	2.11	2.20	3.56	ppb
Bismuth	209-1				106		%
Bismuth	209-2				96		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.09	2.00	2.30	2.13	7.18	ppb
Cadmium	106-1	2.38	2.37	2.39	2.38	0.50	ppb
Cadmium	111-1	2.28	2.27	2.23	2.26	1.35	ppb
Calcium	43-1	1057.55	1065.13	1072.75	1065.15	0.71	ppb
Calcium	44-1	1054.62	1052.25	1073.98	1060.28	1.12	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4.81	4.88	4.26	4.65	7.27	ppb
Cobalt	59-2	2.42	2.46	2.17	2.35	6.55	ppb
Copper	63-2	4.91	5.04	4.53	4.82	5.53	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				106		%
Holmium	165-2				95		%
Indium	115-1				104		%
Indium	115-2				93		%
Iron	56-2	497.07	515.12	452.58	488.25	6.59	ppb
Iron	57-2	514.46	531.09	468.56	504.70	6.42	ppb
Iron	54-2	527.90	542.52	478.72	516.38	6.47	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165208BS	Instrumnet Name :	P7
Client Sample ID :	LCS208	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:04:49	DataFile Name :	028LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2.10	2.06	2.07	2.07	0.96	ppb
Lead	207-1	2.08	2.05	2.09	2.07	0.90	ppb
Lead	208-1	2.10	2.05	2.06	2.07	1.23	ppb
Lithium	6-1				101		%
Magnesium	24-2	1133.50	1178.17	1041.52	1117.73	6.23	ppb
Manganese	55-2	2.37	2.37	2.10	2.28	6.79	ppb
Molybdenum	94-1	11.95	12.03	11.87	11.95	0.66	ppb
Molybdenum	95-1	10.19	10.12	9.98	10.09	1.05	ppb
Molybdenum	96-1	10.30	10.27	10.18	10.25	0.61	ppb
Molybdenum	97-1	10.00	10.06	9.87	9.98	0.96	ppb
Molybdenum	98-1	10.11	10.05	9.96	10.04	0.75	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.62	2.78	2.34	2.58	8.70	ppb
Phosphorus	31-2	-17.86	-14.04	-16.84	-16.25		ppb
Potassium	39-2	1181.24	1226.11	1108.86	1172.07	5.05	ppb
Rhodium	103-1				102		%
Rhodium	103-2				93		%
Scandium	45-1				101		%
Scandium	45-2				94		%
Selenium	82-1	11.33	10.80	11.33	11.15	2.77	ppb
Selenium	77-2	12.54	11.63	12.79	12.32	4.98	ppb
Selenium	78-2	13.65	12.93	11.06	12.55	10.67	ppb
Silicon	28-1	1.17	1.32	1.98	1.49	28.80	ppb
Silver	107-1	2.16	2.20	2.17	2.17	0.92	ppb
Silver	109-1	2.17	2.21	2.15	2.17	1.34	ppb
Sodium	23-2	1176.06	1225.90	1076.88	1159.61	6.54	ppb
Strontium	86-1	52.20	51.29	51.05	51.51	1.17	ppb
Strontium	88-1	51.63	51.78	50.96	51.46	0.85	ppb
Sulfur	34-1	-136.69	-85.18	-8.65	-76.84		ppb
Terbium	159-1				105		%
Terbium	159-2				95		%
Thallium	203-1	2.03	2.00	2.02	2.02	0.54	ppb
Thallium	205-1	1.99	1.98	1.99	1.99	0.36	ppb
Tin	118-1	0.00	0.02	0.00	0.01	114.46	ppb
Titanium	47-1	10.13	10.31	10.46	10.30	1.61	ppb

Reviewed By:jaswal
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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165208BS	Instrumnet Name :	P7
Client Sample ID :	LCS208	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:04:49	DataFile Name :	028LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.85	1.86	1.84	1.85	0.71	ppb
Vanadium	51-2	11.39	11.94	10.55	11.29	6.22	ppb
Yttrium	89-1				103		%
Yttrium	89-2				93		%
Zinc	66-2	12.79	13.20	11.85	12.61	5.47	ppb
Zirconium	90-1	2.06	2.05	2.01	2.04	1.45	ppb
Zirconium	91-1	2.07	2.04	2.02	2.04	1.20	ppb

Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-01	Instrumnet Name :	P7
Client Sample ID :	MH2GQ2	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:08:02	DataFile Name :	029SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10587.67	10524.82	10597.53	10570.01	0.37	ppb
Antimony	121-1	1.15	1.23	1.22	1.20	3.58	ppb
Arsenic	75-2	17.09	16.73	16.69	16.84	1.30	ppb
Barium	135-1	663.24	678.73	677.59	673.19	1.28	ppb
Barium	137-1	662.06	682.91	680.39	675.12	1.69	ppb
Beryllium	9-1	1.74	1.66	1.78	1.73	3.57	ppb
Bismuth	209-1				107		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	9.16	9.44	9.20	9.27	1.64	ppb
Cadmium	106-1	9.90	9.98	10.45	10.11	2.92	ppb
Cadmium	111-1	9.83	10.05	9.92	9.93	1.07	ppb
Calcium	43-1	145272.69	146830.52	147956.40	146686.53	0.92	ppb
Calcium	44-1	143851.95	145708.70	148044.24	145868.30	1.44	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	15.62	15.65	15.76	15.68	0.48	ppb
Cobalt	59-2	12.65	12.65	12.66	12.65	0.03	ppb
Copper	63-2	138.91	143.50	139.97	140.79	1.71	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				109		%
Holmium	165-2				105		%
Indium	115-1				104		%
Indium	115-2				99		%
Iron	56-2	15166.85	15131.67	15033.82	15110.78	0.46	ppb
Iron	57-2	15867.53	15528.33	15812.20	15736.02	1.16	ppb
Iron	54-2	15097.41	15261.33	15091.20	15149.98	0.64	ppb
Krypton	83-1						cps

Reviewed By:jaswal
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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-01	Instrumnet Name :	P7
Client Sample ID :	MH2GQ2	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:08:02	DataFile Name :	029SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	769.71	774.45	781.70	775.29	0.78	ppb
Lead	207-1	757.38	768.05	759.26	761.57	0.75	ppb
Lead	208-1	760.81	767.62	769.96	766.13	0.62	ppb
Lithium	6-1				99		%
Magnesium	24-2	26541.21	26222.78	26646.42	26470.13	0.83	ppb
Manganese	55-2	1170.50	1179.62	1167.62	1172.58	0.53	ppb
Molybdenum	94-1	5.51	5.61	5.63	5.58	1.10	ppb
Molybdenum	95-1	0.81	0.84	0.84	0.83	1.89	ppb
Molybdenum	96-1	1.32	1.41	1.41	1.38	3.83	ppb
Molybdenum	97-1	0.80	0.80	0.81	0.80	0.82	ppb
Molybdenum	98-1	0.80	0.84	0.82	0.82	2.84	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	24.09	24.19	24.31	24.19	0.46	ppb
Phosphorus	31-2	4363.10	4310.26	4240.10	4304.48	1.43	ppb
Potassium	39-2	4596.40	4462.45	4534.42	4531.09	1.48	ppb
Rhodium	103-1				100		%
Rhodium	103-2				98		%
Scandium	45-1				103		%
Scandium	45-2				101		%
Selenium	82-1	1.24	0.93	0.53	0.90	39.85	ppb
Selenium	77-2	17.92	16.32	17.91	17.38	5.28	ppb
Selenium	78-2	3.67	2.72	3.54	3.31	15.55	ppb
Silicon	28-1	1477.96	1488.62	1496.37	1487.65	0.62	ppb
Silver	107-1	2.50	2.58	2.58	2.55	1.73	ppb
Silver	109-1	2.50	2.57	2.55	2.54	1.44	ppb
Sodium	23-2	419.27	417.62	418.68	418.52	0.20	ppb
Strontium	86-1	9060.17	9302.95	9153.05	9172.06	1.34	ppb
Strontium	88-1	8889.57	9146.86	9108.49	9048.31	1.53	ppb
Sulfur	34-1	345.54	434.75	445.75	408.68	13.45	ppb
Terbium	159-1				109		%
Terbium	159-2				104		%
Thallium	203-1	0.46	0.51	0.54	0.50	8.00	ppb
Thallium	205-1	0.47	0.51	0.53	0.50	6.74	ppb
Tin	118-1	10.71	11.11	10.98	10.93	1.88	ppb
Titanium	47-1	121.41	125.03	125.45	123.96	1.79	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-01	Instrumnet Name :	P7
Client Sample ID :	MH2GQ2	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:08:02	DataFile Name :	029SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	4.09	4.15	4.11	4.12	0.81	ppb
Vanadium	51-2	45.38	44.82	45.11	45.11	0.62	ppb
Yttrium	89-1				117		%
Yttrium	89-2				114		%
Zinc	66-2	834.76	838.99	854.93	842.90	1.26	ppb
Zirconium	90-1	2.70	2.76	2.77	2.74	1.50	ppb
Zirconium	91-1	2.75	2.74	2.80	2.77	1.23	ppb

Reviewed By:jaswal
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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-02	Instrumnet Name :	P7
Client Sample ID :	MH2GQ2D	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:11:04	DataFile Name :	030SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10354.79	10281.64	10288.39	10308.27	0.39	ppb
Antimony	121-1	1.16	1.22	1.24	1.21	3.38	ppb
Arsenic	75-2	17.06	17.32	17.35	17.24	0.91	ppb
Barium	135-1	641.14	660.79	660.17	654.03	1.71	ppb
Barium	137-1	639.49	656.10	666.22	653.93	2.06	ppb
Beryllium	9-1	1.61	1.80	1.68	1.70	5.52	ppb
Bismuth	209-1				105		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	8.69	9.09	9.26	9.02	3.22	ppb
Cadmium	106-1	9.51	10.27	9.36	9.71	5.02	ppb
Cadmium	111-1	9.51	10.02	10.03	9.85	3.00	ppb
Calcium	43-1	140531.51	145344.06	145008.47	143628.01	1.87	ppb
Calcium	44-1	141444.82	144659.90	143629.31	143244.68	1.15	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	15.37	15.46	15.33	15.38	0.43	ppb
Cobalt	59-2	12.27	12.32	12.26	12.28	0.27	ppb
Copper	63-2	138.88	137.23	140.31	138.81	1.11	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				103		%
Indium	115-1				102		%
Indium	115-2				97		%
Iron	56-2	14781.15	14926.16	14610.75	14772.69	1.07	ppb
Iron	57-2	15373.69	15489.11	15287.37	15383.39	0.66	ppb
Iron	54-2	14821.17	14900.66	14751.34	14824.39	0.50	ppb
Krypton	83-1						cps

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-02	Instrumnet Name :	P7
Client Sample ID :	MH2GQ2D	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:11:04	DataFile Name :	030SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	758.72	775.82	773.66	769.40	1.21	ppb
Lead	207-1	739.34	759.02	763.24	753.87	1.69	ppb
Lead	208-1	745.87	764.48	770.59	760.31	1.69	ppb
Lithium	6-1				92		%
Magnesium	24-2	26365.44	26001.18	25363.35	25909.99	1.96	ppb
Manganese	55-2	1162.24	1158.33	1132.69	1151.09	1.39	ppb
Molybdenum	94-1	5.38	5.54	5.64	5.52	2.44	ppb
Molybdenum	95-1	0.82	0.83	0.91	0.85	5.15	ppb
Molybdenum	96-1	1.33	1.38	1.41	1.37	2.93	ppb
Molybdenum	97-1	0.79	0.82	0.81	0.81	2.28	ppb
Molybdenum	98-1	0.82	0.82	0.85	0.83	2.28	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	23.88	24.18	24.25	24.10	0.81	ppb
Phosphorus	31-2	4302.94	4253.86	4237.69	4264.83	0.80	ppb
Potassium	39-2	4425.66	4433.64	4394.39	4417.90	0.47	ppb
Rhodium	103-1				97		%
Rhodium	103-2				97		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	82-1	0.52	0.83	1.01	0.79	31.46	ppb
Selenium	77-2	17.22	17.76	16.93	17.30	2.44	ppb
Selenium	78-2	3.04	3.38	3.65	3.36	9.19	ppb
Silicon	28-1	1381.06	1410.47	1431.12	1407.55	1.79	ppb
Silver	107-1	2.43	2.52	2.58	2.51	2.96	ppb
Silver	109-1	2.42	2.53	2.55	2.50	2.71	ppb
Sodium	23-2	430.26	429.59	423.80	427.88	0.83	ppb
Strontium	86-1	8789.19	8892.86	9272.72	8984.92	2.83	ppb
Strontium	88-1	8735.28	9021.96	8991.95	8916.40	1.77	ppb
Sulfur	34-1	257.44	444.78	408.92	370.38	26.85	ppb
Terbium	159-1				107		%
Terbium	159-2				102		%
Thallium	203-1	0.45	0.49	0.53	0.49	7.88	ppb
Thallium	205-1	0.45	0.51	0.53	0.50	8.49	ppb
Tin	118-1	10.78	11.25	11.34	11.12	2.68	ppb
Titanium	47-1	116.97	122.64	121.48	120.36	2.49	ppb

Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-02	Instrumnet Name :	P7
Client Sample ID :	MH2GQ2D	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:11:04	DataFile Name :	030SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	3.98	4.08	4.06	4.04	1.25	ppb
Vanadium	51-2	44.38	43.98	43.88	44.08	0.60	ppb
Yttrium	89-1				115		%
Yttrium	89-2				110		%
Zinc	66-2	861.03	855.76	827.75	848.18	2.11	ppb
Zirconium	90-1	2.65	2.72	2.79	2.72	2.68	ppb
Zirconium	91-1	2.65	2.73	2.81	2.73	2.75	ppb

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On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-01LX5	Instrumnet Name :	P7
Client Sample ID :	MH2GQ2L	Dilution Factor :	5
Date & Time Acquired :	2024-11-27 18:14:01	DataFile Name :	031SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1937.33	1919.32	1937.69	1931.45	0.54	ppb
Antimony	121-1	0.25	0.26	0.25	0.25	1.86	ppb
Arsenic	75-2	3.47	3.56	3.68	3.57	2.97	ppb
Barium	135-1	124.69	128.20	126.38	126.42	1.39	ppb
Barium	137-1	124.80	126.48	126.81	126.03	0.85	ppb
Beryllium	9-1	0.35	0.34	0.38	0.36	5.52	ppb
Bismuth	209-1				104		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.97	1.85	1.70	1.84	7.27	ppb
Cadmium	106-1	1.80	2.02	1.41	1.74	17.69	ppb
Cadmium	111-1	1.94	2.04	1.98	1.99	2.56	ppb
Calcium	43-1	28979.88	28689.19	28737.72	28802.26	0.54	ppb
Calcium	44-1	28609.65	28619.52	28671.32	28633.50	0.12	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.95	2.94	2.96	2.95	0.48	ppb
Cobalt	59-2	2.39	2.42	2.43	2.41	0.83	ppb
Copper	63-2	27.80	27.70	27.75	27.75	0.17	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				102		%
Indium	115-1				103		%
Indium	115-2				99		%
Iron	56-2	2774.42	2770.55	2766.82	2770.59	0.14	ppb
Iron	57-2	2985.32	2990.27	3009.87	2995.15	0.43	ppb
Iron	54-2	2793.91	2902.01	2832.69	2842.87	1.93	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-01LX5	Instrumnet Name :	P7
Client Sample ID :	MH2GQ2L	Dilution Factor :	5
Date & Time Acquired :	2024-11-27 18:14:01	DataFile Name :	031SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	150.02	151.87	153.44	151.78	1.13	ppb
Lead	207-1	148.16	149.93	151.03	149.71	0.97	ppb
Lead	208-1	148.00	148.86	150.29	149.05	0.78	ppb
Lithium	6-1				89		%
Magnesium	24-2	5177.53	5057.10	5108.63	5114.42	1.18	ppb
Manganese	55-2	223.57	222.08	224.51	223.39	0.55	ppb
Molybdenum	94-1	1.13	1.17	1.15	1.15	1.76	ppb
Molybdenum	95-1	0.22	0.24	0.23	0.23	4.52	ppb
Molybdenum	96-1	0.33	0.33	0.33	0.33	1.20	ppb
Molybdenum	97-1	0.22	0.21	0.22	0.22	4.03	ppb
Molybdenum	98-1	0.22	0.23	0.22	0.22	1.19	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	5.21	5.25	5.29	5.25	0.78	ppb
Phosphorus	31-2	798.63	833.01	820.84	817.49	2.13	ppb
Potassium	39-2	897.14	897.59	895.56	896.76	0.12	ppb
Rhodium	103-1				100		%
Rhodium	103-2				99		%
Scandium	45-1				97		%
Scandium	45-2				100		%
Selenium	82-1	0.28	0.15	-0.20	0.08	321.00	ppb
Selenium	77-2	3.20	3.27	3.72	3.39	8.29	ppb
Selenium	78-2	0.83	0.26	-0.28	0.27	207.57	ppb
Silicon	28-1	262.85	263.00	267.87	264.57	1.08	ppb
Silver	107-1	0.52	0.52	0.52	0.52	0.52	ppb
Silver	109-1	0.51	0.51	0.49	0.50	2.25	ppb
Sodium	23-2	102.48	100.69	101.87	101.68	0.90	ppb
Strontium	86-1	1890.74	1912.47	1915.49	1906.23	0.71	ppb
Strontium	88-1	1905.99	1877.12	1912.04	1898.38	0.98	ppb
Sulfur	34-1	-60.49	-25.16	-90.13	-58.60		ppb
Terbium	159-1				104		%
Terbium	159-2				102		%
Thallium	203-1	0.13	0.12	0.11	0.12	6.69	ppb
Thallium	205-1	0.13	0.12	0.13	0.13	2.46	ppb
Tin	118-1	2.13	2.18	2.15	2.15	1.30	ppb
Titanium	47-1	22.87	23.31	23.28	23.15	1.06	ppb

Reviewed By:jaswal
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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-01LX5	Instrumnet Name :	P7
Client Sample ID :	MH2GQ2L	Dilution Factor :	5
Date & Time Acquired :	2024-11-27 18:14:01	DataFile Name :	031SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.77	0.77	0.78	0.77	0.33	ppb
Vanadium	51-2	8.43	8.30	8.40	8.38	0.78	ppb
Yttrium	89-1				104		%
Yttrium	89-2				102		%
Zinc	66-2	167.36	167.06	167.28	167.23	0.09	ppb
Zirconium	90-1	0.54	0.55	0.55	0.55	1.65	ppb
Zirconium	91-1	0.56	0.56	0.54	0.55	1.50	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-03	Instrumnet Name :	P7
Client Sample ID :	MH2GQ2S	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:17:10	DataFile Name :	032SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9777.39	9620.18	9728.86	9708.81	0.83	ppb
Antimony	121-1	20.69	20.89	21.13	20.90	1.05	ppb
Arsenic	75-2	24.10	24.52	24.11	24.24	0.99	ppb
Barium	135-1	996.18	999.87	1005.81	1000.62	0.49	ppb
Barium	137-1	991.94	996.16	1003.74	997.28	0.60	ppb
Beryllium	9-1	11.61	11.30	11.48	11.47	1.37	ppb
Bismuth	209-1				107		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	18.13	17.99	17.15	17.76	2.98	ppb
Cadmium	106-1	18.02	18.57	18.10	18.23	1.62	ppb
Cadmium	111-1	19.63	19.79	19.68	19.70	0.42	ppb
Calcium	43-1	145247.11	148465.29	146070.13	146594.18	1.14	ppb
Calcium	44-1	146523.96	145595.40	144377.54	145498.97	0.74	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	52.62	52.76	53.36	52.91	0.74	ppb
Cobalt	59-2	106.11	107.00	107.63	106.92	0.71	ppb
Copper	63-2	178.96	180.55	182.42	180.64	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				109		%
Holmium	165-2				106		%
Indium	115-1				103		%
Indium	115-2				99		%
Iron	56-2	13404.94	13449.17	13478.51	13444.21	0.28	ppb
Iron	57-2	14091.49	13921.63	13888.58	13967.24	0.78	ppb
Iron	54-2	13488.01	13658.94	13507.30	13551.42	0.69	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-03	Instrumnet Name :	P7
Client Sample ID :	MH2GQ2S	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:17:10	DataFile Name :	032SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	765.54	765.64	769.58	766.92	0.30	ppb
Lead	207-1	754.23	746.97	756.97	752.72	0.69	ppb
Lead	208-1	753.74	752.10	761.00	755.61	0.63	ppb
Lithium	6-1				90		%
Magnesium	24-2	24898.80	25460.74	25437.80	25265.78	1.26	ppb
Manganese	55-2	1204.04	1222.57	1206.97	1211.19	0.82	ppb
Molybdenum	94-1	5.46	5.52	5.41	5.46	1.03	ppb
Molybdenum	95-1	0.85	0.86	0.84	0.85	0.93	ppb
Molybdenum	96-1	1.37	1.36	1.36	1.36	0.45	ppb
Molybdenum	97-1	0.81	0.84	0.83	0.83	1.29	ppb
Molybdenum	98-1	0.84	0.87	0.86	0.86	1.85	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	116.70	118.08	117.77	117.51	0.62	ppb
Phosphorus	31-2	4194.62	4160.77	4119.58	4158.33	0.90	ppb
Potassium	39-2	4119.78	4055.02	4136.81	4103.87	1.05	ppb
Rhodium	103-1				99		%
Rhodium	103-2				99		%
Scandium	45-1				99		%
Scandium	45-2				101		%
Selenium	82-1	18.91	18.53	18.23	18.55	1.84	ppb
Selenium	77-2	33.41	35.79	31.65	33.62	6.19	ppb
Selenium	78-2	22.17	22.18	19.74	21.36	6.58	ppb
Silicon	28-1	1236.56	1230.90	1208.49	1225.31	1.21	ppb
Silver	107-1	12.17	12.32	12.18	12.22	0.68	ppb
Silver	109-1	12.13	12.24	12.14	12.17	0.51	ppb
Sodium	23-2	396.90	398.96	400.88	398.91	0.50	ppb
Strontium	86-1	8958.14	8787.76	8981.26	8909.05	1.19	ppb
Strontium	88-1	8798.24	8821.35	8854.63	8824.74	0.32	ppb
Sulfur	34-1	313.92	310.26	320.28	314.82	1.61	ppb
Terbium	159-1				108		%
Terbium	159-2				105		%
Thallium	203-1	9.56	9.71	9.83	9.70	1.40	ppb
Thallium	205-1	9.60	9.74	9.70	9.68	0.76	ppb
Tin	118-1	11.59	11.79	11.69	11.69	0.86	ppb
Titanium	47-1	110.21	111.54	110.36	110.70	0.66	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-03	Instrumnet Name :	P7
Client Sample ID :	MH2GQ2S	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:17:10	DataFile Name :	032SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	3.96	3.98	3.96	3.97	0.22	ppb
Vanadium	51-2	135.99	135.89	136.98	136.28	0.44	ppb
Yttrium	89-1				116		%
Yttrium	89-2				113		%
Zinc	66-2	920.48	915.42	912.92	916.27	0.42	ppb
Zirconium	90-1	2.66	2.62	2.68	2.65	1.07	ppb
Zirconium	91-1	2.66	2.65	2.70	2.67	0.96	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-04	Instrumnet Name :	P7
Client Sample ID :	MH2GQ4	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:20:06	DataFile Name :	033SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	8437.46	8289.42	8334.35	8353.74	0.91	ppb
Antimony	121-1	0.78	0.77	0.76	0.77	1.17	ppb
Arsenic	75-2	10.49	10.51	10.46	10.49	0.24	ppb
Barium	135-1	461.84	455.18	450.34	455.79	1.27	ppb
Barium	137-1	451.49	450.06	454.08	451.87	0.45	ppb
Beryllium	9-1	1.44	1.47	1.38	1.43	3.25	ppb
Bismuth	209-1				105		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	5.85	5.79	6.15	5.93	3.31	ppb
Cadmium	106-1	6.61	6.04	5.62	6.09	8.20	ppb
Cadmium	111-1	6.47	6.29	6.37	6.38	1.41	ppb
Calcium	43-1	190621.17	189997.09	188801.41	189806.55	0.49	ppb
Calcium	44-1	189778.45	190242.01	189016.11	189678.86	0.33	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	21.38	21.24	21.11	21.24	0.64	ppb
Cobalt	59-2	9.36	9.37	9.31	9.35	0.34	ppb
Copper	63-2	73.93	74.54	74.10	74.19	0.43	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				103		%
Indium	115-1				102		%
Indium	115-2				98		%
Iron	56-2	12395.60	12374.75	12413.09	12394.48	0.15	ppb
Iron	57-2	13246.48	13394.76	13403.80	13348.35	0.66	ppb
Iron	54-2	12497.26	12376.64	12485.03	12452.98	0.53	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-04	Instrumnet Name :	P7
Client Sample ID :	MH2GQ4	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:20:06	DataFile Name :	033SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	545.95	549.69	554.38	550.00	0.77	ppb
Lead	207-1	533.34	538.99	543.13	538.49	0.91	ppb
Lead	208-1	539.46	542.93	546.49	542.96	0.65	ppb
Lithium	6-1				88		%
Magnesium	24-2	65876.49	65802.52	65728.55	65802.52	0.11	ppb
Manganese	55-2	1126.11	1121.24	1111.12	1119.49	0.68	ppb
Molybdenum	94-1	4.39	4.45	4.42	4.42	0.72	ppb
Molybdenum	95-1	0.69	0.69	0.68	0.69	0.87	ppb
Molybdenum	96-1	1.13	1.15	1.13	1.14	0.81	ppb
Molybdenum	97-1	0.65	0.71	0.67	0.68	4.15	ppb
Molybdenum	98-1	0.69	0.68	0.68	0.68	1.19	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	20.32	20.45	20.32	20.37	0.37	ppb
Phosphorus	31-2	3363.49	3390.34	3401.23	3385.02	0.57	ppb
Potassium	39-2	3514.89	3481.96	3520.07	3505.64	0.59	ppb
Rhodium	103-1				98		%
Rhodium	103-2				97		%
Scandium	45-1				98		%
Scandium	45-2				101		%
Selenium	82-1	1.26	0.83	1.06	1.05	20.65	ppb
Selenium	77-2	10.54	11.41	13.13	11.69	11.25	ppb
Selenium	78-2	1.98	2.37	3.00	2.45	20.97	ppb
Silicon	28-1	1312.90	1297.57	1299.91	1303.46	0.63	ppb
Silver	107-1	1.59	1.60	1.61	1.60	0.65	ppb
Silver	109-1	1.59	1.57	1.59	1.59	0.72	ppb
Sodium	23-2	415.96	418.52	420.89	418.46	0.59	ppb
Strontium	86-1	7414.89	7553.44	7350.72	7439.68	1.39	ppb
Strontium	88-1	7340.78	7360.46	7214.20	7305.14	1.09	ppb
Sulfur	34-1	621.46	632.16	612.45	622.02	1.59	ppb
Terbium	159-1				108		%
Terbium	159-2				103		%
Thallium	203-1	0.33	0.36	0.36	0.35	4.37	ppb
Thallium	205-1	0.33	0.35	0.36	0.35	5.25	ppb
Tin	118-1	9.45	9.49	9.45	9.47	0.26	ppb
Titanium	47-1	134.30	134.12	134.04	134.15	0.10	ppb

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-04	Instrumnet Name :	P7
Client Sample ID :	MH2GQ4	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:20:06	DataFile Name :	033SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	2.17	2.17	2.18	2.17	0.29	ppb
Vanadium	51-2	37.88	37.13	37.38	37.46	1.01	ppb
Yttrium	89-1				112		%
Yttrium	89-2				109		%
Zinc	66-2	989.85	993.27	978.48	987.20	0.78	ppb
Zirconium	90-1	2.15	2.20	2.15	2.17	1.31	ppb
Zirconium	91-1	2.19	2.23	2.15	2.19	1.69	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-05	Instrumnet Name :	P7
Client Sample ID :	MH2GQ5	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:23:07	DataFile Name :	034SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10720.63	10871.33	10857.10	10816.35	0.77	ppb
Antimony	121-1	1.26	1.25	1.24	1.25	0.64	ppb
Arsenic	75-2	25.43	26.09	25.85	25.79	1.29	ppb
Barium	135-1	552.51	551.31	556.42	553.41	0.48	ppb
Barium	137-1	559.18	545.60	543.82	549.54	1.53	ppb
Beryllium	9-1	1.79	1.75	1.87	1.80	3.52	ppb
Bismuth	209-1				108		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	9.04	8.50	8.10	8.55	5.54	ppb
Cadmium	106-1	9.34	9.47	8.87	9.22	3.42	ppb
Cadmium	111-1	9.58	9.63	9.51	9.57	0.64	ppb
Calcium	43-1	141538.49	143753.81	141349.13	142213.81	0.94	ppb
Calcium	44-1	140615.87	141666.61	141361.54	141214.67	0.38	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	18.87	18.99	19.06	18.97	0.52	ppb
Cobalt	59-2	11.05	11.06	11.12	11.07	0.34	ppb
Copper	63-2	118.69	119.42	119.69	119.27	0.43	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				109		%
Holmium	165-2				104		%
Indium	115-1				103		%
Indium	115-2				99		%
Iron	56-2	15344.55	15602.13	15626.82	15524.50	1.01	ppb
Iron	57-2	15964.29	16167.04	16138.61	16089.98	0.68	ppb
Iron	54-2	15753.45	15727.94	15666.37	15715.92	0.28	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-05	Instrumnet Name :	P7
Client Sample ID :	MH2GQ5	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:23:07	DataFile Name :	034SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	661.35	661.25	649.58	657.39	1.03	ppb
Lead	207-1	641.58	648.86	642.86	644.44	0.60	ppb
Lead	208-1	650.01	651.40	644.37	648.59	0.57	ppb
Lithium	6-1				90		%
Magnesium	24-2	14636.23	14757.63	14505.83	14633.23	0.86	ppb
Manganese	55-2	1078.60	1084.21	1090.58	1084.46	0.55	ppb
Molybdenum	94-1	4.69	4.74	4.77	4.74	0.83	ppb
Molybdenum	95-1	0.76	0.75	0.75	0.76	1.14	ppb
Molybdenum	96-1	1.21	1.24	1.21	1.22	1.30	ppb
Molybdenum	97-1	0.76	0.77	0.75	0.76	1.72	ppb
Molybdenum	98-1	0.73	0.74	0.73	0.73	0.93	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	25.97	26.21	26.06	26.08	0.47	ppb
Phosphorus	31-2	3386.71	3360.06	3422.33	3389.70	0.92	ppb
Potassium	39-2	3473.18	3509.54	3524.06	3502.26	0.75	ppb
Rhodium	103-1				99		%
Rhodium	103-2				99		%
Scandium	45-1				99		%
Scandium	45-2				100		%
Selenium	82-1	1.43	0.67	0.78	0.96	42.82	ppb
Selenium	77-2	16.62	16.02	14.11	15.58	8.39	ppb
Selenium	78-2	3.23	2.87	3.09	3.07	5.92	ppb
Silicon	28-1	1312.46	1288.74	1314.90	1305.37	1.11	ppb
Silver	107-1	2.48	2.44	2.45	2.46	0.83	ppb
Silver	109-1	2.45	2.43	2.44	2.44	0.41	ppb
Sodium	23-2	505.45	511.00	513.01	509.82	0.77	ppb
Strontium	86-1	9096.50	8971.25	9024.00	9030.58	0.70	ppb
Strontium	88-1	8903.40	9062.70	8945.25	8970.45	0.92	ppb
Sulfur	34-1	491.17	530.00	521.09	514.09	3.96	ppb
Terbium	159-1				109		%
Terbium	159-2				105		%
Thallium	203-1	0.42	0.45	0.45	0.44	4.94	ppb
Thallium	205-1	0.44	0.44	0.45	0.44	2.07	ppb
Tin	118-1	14.08	14.00	13.90	13.99	0.65	ppb
Titanium	47-1	133.81	134.88	134.61	134.43	0.41	ppb

Reviewed By:jaswal
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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-05	Instrumnet Name :	P7
Client Sample ID :	MH2GQ5	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:23:07	DataFile Name :	034SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	3.03	3.05	3.04	3.04	0.31	ppb
Vanadium	51-2	47.16	47.24	47.61	47.34	0.51	ppb
Yttrium	89-1				115		%
Yttrium	89-2				112		%
Zinc	66-2	716.97	717.72	720.07	718.25	0.22	ppb
Zirconium	90-1	2.30	2.29	2.29	2.29	0.21	ppb
Zirconium	91-1	2.33	2.31	2.32	2.32	0.48	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-06	Instrumnet Name :	P7
Client Sample ID :	MH2GQ6	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:26:07	DataFile Name :	035SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	11122.99	10995.12	10837.35	10985.15	1.30	ppb
Antimony	121-1	0.75	0.75	0.72	0.74	2.26	ppb
Arsenic	75-2	18.23	17.86	18.55	18.21	1.90	ppb
Barium	135-1	558.75	573.37	562.51	564.88	1.34	ppb
Barium	137-1	568.73	570.26	558.69	565.89	1.11	ppb
Beryllium	9-1	1.45	1.50	1.40	1.45	3.30	ppb
Bismuth	209-1				108		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	4.29	4.42	4.25	4.32	2.06	ppb
Cadmium	106-1	5.25	5.25	4.72	5.07	6.07	ppb
Cadmium	111-1	4.80	4.73	4.71	4.74	1.01	ppb
Calcium	43-1	189851.95	195529.76	196254.09	193878.60	1.81	ppb
Calcium	44-1	189385.88	193729.84	193325.59	192147.10	1.25	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	12.98	13.16	13.01	13.05	0.74	ppb
Cobalt	59-2	11.86	11.86	11.79	11.83	0.32	ppb
Copper	63-2	58.94	59.23	58.49	58.89	0.63	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				109		%
Holmium	165-2				104		%
Indium	115-1				103		%
Indium	115-2				98		%
Iron	56-2	15193.00	15151.01	14964.52	15102.84	0.81	ppb
Iron	57-2	16239.73	16071.14	15744.39	16018.42	1.57	ppb
Iron	54-2	15368.08	15271.54	15029.03	15222.88	1.15	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-06	Instrumnet Name :	P7
Client Sample ID :	MH2GQ6	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:26:07	DataFile Name :	035SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	252.35	254.74	252.63	253.24	0.52	ppb
Lead	207-1	250.58	249.08	250.80	250.15	0.37	ppb
Lead	208-1	249.91	250.32	250.67	250.30	0.15	ppb
Lithium	6-1				87		%
Magnesium	24-2	9015.52	9041.64	8887.92	8981.69	0.92	ppb
Manganese	55-2	734.82	724.28	712.77	723.96	1.52	ppb
Molybdenum	94-1	4.20	4.30	4.25	4.25	1.20	ppb
Molybdenum	95-1	0.93	0.92	0.95	0.93	1.61	ppb
Molybdenum	96-1	1.31	1.31	1.31	1.31	0.36	ppb
Molybdenum	97-1	0.91	0.97	0.94	0.94	3.20	ppb
Molybdenum	98-1	0.92	0.93	0.93	0.92	0.64	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	36.18	36.40	35.97	36.18	0.60	ppb
Phosphorus	31-2	3293.94	3281.31	3256.37	3277.21	0.58	ppb
Potassium	39-2	3004.31	3044.43	2966.34	3005.03	1.30	ppb
Rhodium	103-1				99		%
Rhodium	103-2				98		%
Scandium	45-1				99		%
Scandium	45-2				100		%
Selenium	82-1	1.06	1.01	0.78	0.95	15.57	ppb
Selenium	77-2	16.94	17.98	19.09	18.00	5.97	ppb
Selenium	78-2	3.23	3.67	4.01	3.64	10.73	ppb
Silicon	28-1	1259.83	1289.49	1287.28	1278.87	1.29	ppb
Silver	107-1	0.96	0.98	0.98	0.97	1.29	ppb
Silver	109-1	0.98	0.97	0.97	0.97	0.40	ppb
Sodium	23-2	490.57	488.40	485.54	488.17	0.52	ppb
Strontium	86-1	10440.53	10679.66	10642.30	10587.50	1.22	ppb
Strontium	88-1	10362.75	10481.71	10513.25	10452.57	0.76	ppb
Sulfur	34-1	786.27	870.76	851.97	836.33	5.30	ppb
Terbium	159-1				109		%
Terbium	159-2				104		%
Thallium	203-1	0.42	0.43	0.44	0.43	2.25	ppb
Thallium	205-1	0.44	0.44	0.45	0.44	1.65	ppb
Tin	118-1	4.31	4.37	4.27	4.32	1.14	ppb
Titanium	47-1	97.95	98.62	97.42	98.00	0.61	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-06	Instrumnet Name :	P7
Client Sample ID :	MH2GQ6	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:26:07	DataFile Name :	035SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	3.68	3.68	3.66	3.67	0.38	ppb
Vanadium	51-2	55.44	54.60	54.59	54.88	0.89	ppb
Yttrium	89-1				115		%
Yttrium	89-2				112		%
Zinc	66-2	252.15	252.42	252.56	252.38	0.08	ppb
Zirconium	90-1	1.90	1.95	1.95	1.93	1.50	ppb
Zirconium	91-1	1.93	1.97	1.94	1.94	1.08	ppb

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-07	Instrumnet Name :	P7
Client Sample ID :	MH2GQ7	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:29:10	DataFile Name :	036SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	11453.23	11459.18	11619.61	11510.67	0.82	ppb
Antimony	121-1	0.52	0.51	0.51	0.51	0.47	ppb
Arsenic	75-2	12.64	12.59	12.59	12.61	0.21	ppb
Barium	135-1	731.55	716.29	719.47	722.44	1.11	ppb
Barium	137-1	729.23	726.86	712.51	722.87	1.25	ppb
Beryllium	9-1	1.45	1.43	1.42	1.43	1.03	ppb
Bismuth	209-1				107		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	3.94	3.78	4.05	3.93	3.44	ppb
Cadmium	106-1	5.48	4.79	4.63	4.97	9.03	ppb
Cadmium	111-1	4.37	4.18	4.34	4.30	2.37	ppb
Calcium	43-1	255008.63	256251.94	252574.31	254611.63	0.73	ppb
Calcium	44-1	252319.67	253241.12	248833.35	251464.71	0.92	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	13.50	13.40	13.47	13.46	0.37	ppb
Cobalt	59-2	12.76	12.73	12.85	12.78	0.50	ppb
Copper	63-2	43.42	43.54	43.84	43.60	0.50	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				109		%
Holmium	165-2				104		%
Indium	115-1				103		%
Indium	115-2				97		%
Iron	56-2	15376.03	15440.94	15274.24	15363.73	0.55	ppb
Iron	57-2	16727.91	16566.27	16883.58	16725.92	0.95	ppb
Iron	54-2	15710.52	15446.39	15663.80	15606.90	0.90	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-07	Instrumnet Name :	P7
Client Sample ID :	MH2GQ7	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:29:10	DataFile Name :	036SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	133.50	134.45	134.95	134.30	0.55	ppb
Lead	207-1	128.95	131.13	130.37	130.15	0.85	ppb
Lead	208-1	130.54	131.69	132.24	131.49	0.66	ppb
Lithium	6-1				89		%
Magnesium	24-2	10031.78	10078.91	10089.03	10066.57	0.30	ppb
Manganese	55-2	636.63	636.55	634.52	635.90	0.19	ppb
Molybdenum	94-1	4.29	4.33	4.23	4.28	1.10	ppb
Molybdenum	95-1	1.34	1.33	1.34	1.34	0.56	ppb
Molybdenum	96-1	1.68	1.70	1.68	1.69	0.53	ppb
Molybdenum	97-1	1.33	1.33	1.36	1.34	1.50	ppb
Molybdenum	98-1	1.36	1.33	1.33	1.34	1.38	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	39.82	39.70	39.87	39.80	0.22	ppb
Phosphorus	31-2	3167.58	3155.65	3192.07	3171.77	0.59	ppb
Potassium	39-2	2936.49	2943.54	2984.67	2954.90	0.88	ppb
Rhodium	103-1				98		%
Rhodium	103-2				96		%
Scandium	45-1				98		%
Scandium	45-2				99		%
Selenium	82-1	0.97	0.94	0.77	0.90	11.96	ppb
Selenium	77-2	17.29	17.32	18.07	17.56	2.51	ppb
Selenium	78-2	2.81	2.90	2.62	2.78	5.22	ppb
Silicon	28-1	1194.97	1225.23	1185.48	1201.90	1.73	ppb
Silver	107-1	0.63	0.61	0.60	0.61	2.64	ppb
Silver	109-1	0.62	0.59	0.61	0.61	2.43	ppb
Sodium	23-2	574.03	572.22	578.76	575.00	0.59	ppb
Strontium	86-1	12795.08	12787.58	13034.37	12872.34	1.09	ppb
Strontium	88-1	12852.96	12683.92	12663.81	12733.57	0.82	ppb
Sulfur	34-1	912.83	987.72	912.22	937.59	4.63	ppb
Terbium	159-1				107		%
Terbium	159-2				103		%
Thallium	203-1	0.44	0.46	0.47	0.46	3.05	ppb
Thallium	205-1	0.45	0.46	0.47	0.46	1.56	ppb
Tin	118-1	2.09	2.06	2.08	2.08	0.88	ppb
Titanium	47-1	80.75	79.96	78.72	79.81	1.29	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-07	Instrumnet Name :	P7
Client Sample ID :	MH2GQ7	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:29:10	DataFile Name :	036SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	4.77	4.67	4.81	4.75	1.43	ppb
Vanadium	51-2	66.54	65.91	67.09	66.51	0.89	ppb
Yttrium	89-1				116		%
Yttrium	89-2				111		%
Zinc	66-2	136.95	138.14	137.95	137.68	0.47	ppb
Zirconium	90-1	1.81	1.77	1.77	1.79	1.43	ppb
Zirconium	91-1	1.83	1.82	1.77	1.80	1.83	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-08	Instrumnet Name :	P7
Client Sample ID :	MH2GQ8	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:32:13	DataFile Name :	037SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	5900.62	5945.18	5774.38	5873.39	1.51	ppb
Antimony	121-1	0.55	0.54	0.55	0.55	0.72	ppb
Arsenic	75-2	7.35	7.52	7.63	7.50	1.92	ppb
Barium	135-1	342.92	348.52	351.58	347.68	1.26	ppb
Barium	137-1	342.75	352.67	355.83	350.42	1.95	ppb
Beryllium	9-1	1.20	1.08	1.08	1.12	6.46	ppb
Bismuth	209-1				99		%
Bismuth	209-2				92		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	3.63	3.59	3.70	3.64	1.49	ppb
Cadmium	106-1	4.94	4.91	4.60	4.82	4.01	ppb
Cadmium	111-1	4.05	4.16	4.17	4.12	1.64	ppb
Calcium	43-1	505728.12	510224.02	510203.61	508718.58	0.51	ppb
Calcium	44-1	497016.83	508650.99	509527.91	505065.24	1.38	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	16.64	16.71	16.84	16.73	0.63	ppb
Cobalt	59-2	13.16	13.13	12.95	13.08	0.89	ppb
Copper	63-2	47.23	47.04	47.31	47.20	0.29	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				101		%
Indium	115-1				99		%
Indium	115-2				95		%
Iron	56-2	9640.81	9561.92	9697.67	9633.47	0.71	ppb
Iron	57-2	12385.73	12388.81	12341.88	12372.14	0.21	ppb
Iron	54-2	9780.75	9612.00	9618.76	9670.50	0.99	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-08	Instrumnet Name :	P7
Client Sample ID :	MH2GQ8	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:32:13	DataFile Name :	037SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	351.55	350.12	353.84	351.84	0.53	ppb
Lead	207-1	341.62	342.83	341.45	341.97	0.22	ppb
Lead	208-1	344.06	345.36	346.85	345.42	0.41	ppb
Lithium	6-1				85		%
Magnesium	24-2	248073.31	248149.21	246814.30	247678.94	0.30	ppb
Manganese	55-2	2013.36	1979.90	2017.15	2003.47	1.02	ppb
Molybdenum	94-1	3.43	3.47	3.40	3.43	1.00	ppb
Molybdenum	95-1	0.67	0.67	0.66	0.67	0.81	ppb
Molybdenum	96-1	0.96	0.99	0.96	0.97	1.81	ppb
Molybdenum	97-1	0.66	0.62	0.63	0.64	2.83	ppb
Molybdenum	98-1	0.63	0.64	0.64	0.64	1.09	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	20.28	20.22	20.01	20.17	0.68	ppb
Phosphorus	31-2	4523.47	4460.56	4480.28	4488.11	0.72	ppb
Potassium	39-2	2806.90	2790.23	2791.06	2796.07	0.34	ppb
Rhodium	103-1				94		%
Rhodium	103-2				93		%
Scandium	45-1				98		%
Scandium	45-2				101		%
Selenium	82-1	1.02	0.51	0.82	0.79	32.92	ppb
Selenium	77-2	11.53	11.62	10.47	11.21	5.71	ppb
Selenium	78-2	2.62	2.58	1.33	2.18	33.69	ppb
Silicon	28-1	1059.56	1077.50	1080.89	1072.65	1.07	ppb
Silver	107-1	0.88	0.89	0.92	0.90	2.10	ppb
Silver	109-1	0.86	0.91	0.90	0.89	2.52	ppb
Sodium	23-2	468.73	461.58	470.74	467.02	1.03	ppb
Strontium	86-1	5985.31	5953.71	5927.02	5955.35	0.49	ppb
Strontium	88-1	5904.98	5873.78	5858.24	5879.00	0.40	ppb
Sulfur	34-1	479.67	618.54	673.70	590.63	16.93	ppb
Terbium	159-1				106		%
Terbium	159-2				101		%
Thallium	203-1	0.26	0.27	0.27	0.27	1.84	ppb
Thallium	205-1	0.26	0.28	0.28	0.27	4.67	ppb
Tin	118-1	5.83	6.02	6.03	5.96	1.88	ppb
Titanium	47-1	99.45	101.99	101.52	100.99	1.34	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-08	Instrumnet Name :	P7
Client Sample ID :	MH2GQ8	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:32:13	DataFile Name :	037SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	2.63	2.61	2.62	2.62	0.45	ppb
Vanadium	51-2	34.84	34.40	34.49	34.58	0.67	ppb
Yttrium	89-1				109		%
Yttrium	89-2				106		%
Zinc	66-2	456.42	453.90	454.86	455.06	0.28	ppb
Zirconium	90-1	1.63	1.67	1.63	1.64	1.36	ppb
Zirconium	91-1	1.67	1.65	1.64	1.66	0.91	ppb

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-09	Instrumnet Name :	P7
Client Sample ID :	MH2GQ9	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:35:16	DataFile Name :	038SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10691.57	10512.54	10925.53	10709.88	1.93	ppb
Antimony	121-1	1.46	1.30	1.30	1.35	7.13	ppb
Arsenic	75-2	17.23	17.47	18.14	17.62	2.69	ppb
Barium	135-1	675.15	608.02	600.39	627.85	6.55	ppb
Barium	137-1	672.81	604.48	597.17	624.82	6.68	ppb
Beryllium	9-1	1.87	1.80	1.60	1.76	7.79	ppb
Bismuth	209-1				102		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	9.70	9.14	9.00	9.28	3.99	ppb
Cadmium	106-1	10.75	9.72	9.48	9.98	6.75	ppb
Cadmium	111-1	10.16	9.40	9.21	9.59	5.25	ppb
Calcium	43-1	149725.25	136886.48	134924.87	140512.20	5.72	ppb
Calcium	44-1	149382.35	137363.02	134130.04	140291.80	5.73	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	16.38	16.46	16.68	16.51	0.93	ppb
Cobalt	59-2	12.34	12.21	12.57	12.37	1.47	ppb
Copper	63-2	131.62	134.11	136.16	133.96	1.70	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				103		%
Indium	115-1				97		%
Indium	115-2				96		%
Iron	56-2	17451.67	17285.22	18037.84	17591.58	2.25	ppb
Iron	57-2	18203.18	18113.23	18327.16	18214.52	0.59	ppb
Iron	54-2	17511.37	17535.21	17957.90	17668.16	1.42	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-09	Instrumnet Name :	P7
Client Sample ID :	MH2GQ9	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:35:16	DataFile Name :	038SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	820.50	736.04	726.11	760.88	6.82	ppb
Lead	207-1	797.10	723.15	706.85	742.37	6.48	ppb
Lead	208-1	800.52	729.04	713.85	747.80	6.19	ppb
Lithium	6-1				89		%
Magnesium	24-2	24400.51	24754.43	25226.77	24793.90	1.67	ppb
Manganese	55-2	1080.80	1081.35	1120.97	1094.37	2.10	ppb
Molybdenum	94-1	6.37	5.67	5.78	5.94	6.37	ppb
Molybdenum	95-1	1.18	1.04	1.02	1.08	8.05	ppb
Molybdenum	96-1	1.78	1.62	1.56	1.65	6.95	ppb
Molybdenum	97-1	1.15	1.06	1.04	1.08	5.54	ppb
Molybdenum	98-1	1.16	1.04	1.03	1.07	6.64	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	24.19	24.09	24.72	24.33	1.40	ppb
Phosphorus	31-2	3883.92	3877.08	4016.67	3925.89	2.00	ppb
Potassium	39-2	4397.41	4410.62	4515.12	4441.05	1.45	ppb
Rhodium	103-1				93		%
Rhodium	103-2				96		%
Scandium	45-1				93		%
Scandium	45-2				98		%
Selenium	82-1	0.93	0.92	0.42	0.76	38.09	ppb
Selenium	77-2	17.04	14.95	18.69	16.89	11.10	ppb
Selenium	78-2	3.28	2.56	3.23	3.02	13.35	ppb
Silicon	28-1	1366.89	1238.64	1208.83	1271.45	6.61	ppb
Silver	107-1	2.51	2.27	2.25	2.34	6.07	ppb
Silver	109-1	2.58	2.29	2.25	2.37	7.61	ppb
Sodium	23-2	415.92	417.81	424.50	419.41	1.07	ppb
Strontium	86-1	9209.65	8469.45	8374.27	8684.46	5.27	ppb
Strontium	88-1	9123.49	8448.37	8329.29	8633.72	4.96	ppb
Sulfur	34-1	1258.33	853.05	765.67	959.01	27.41	ppb
Terbium	159-1				103		%
Terbium	159-2				102		%
Thallium	203-1	0.50	0.46	0.44	0.47	6.53	ppb
Thallium	205-1	0.50	0.46	0.46	0.48	5.14	ppb
Tin	118-1	14.63	13.24	12.96	13.61	6.55	ppb
Titanium	47-1	155.79	141.08	137.46	144.78	6.71	ppb

Reviewed By:jaswal
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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-09	Instrumnet Name :	P7
Client Sample ID :	MH2GQ9	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:35:16	DataFile Name :	038SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	4.43	4.02	3.97	4.14	6.08	ppb
Vanadium	51-2	45.50	45.24	46.31	45.68	1.22	ppb
Yttrium	89-1				109		%
Yttrium	89-2				109		%
Zinc	66-2	825.13	823.23	850.29	832.88	1.81	ppb
Zirconium	90-1	3.02	2.76	2.69	2.82	6.03	ppb
Zirconium	91-1	3.02	2.80	2.72	2.85	5.41	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-10	Instrumnet Name :	P7
Client Sample ID :	MH2GR0	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:38:16	DataFile Name :	039SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10790.39	10688.89	10797.62	10758.96	0.57	ppb
Antimony	121-1	1.50	1.52	1.53	1.52	1.15	ppb
Arsenic	75-2	26.74	26.82	26.17	26.58	1.33	ppb
Barium	135-1	594.68	601.06	619.69	605.14	2.15	ppb
Barium	137-1	591.39	596.01	616.95	601.45	2.26	ppb
Beryllium	9-1	1.67	1.55	1.61	1.61	3.77	ppb
Bismuth	209-1				107		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	8.35	8.22	8.59	8.39	2.23	ppb
Cadmium	106-1	9.24	9.09	9.63	9.32	3.01	ppb
Cadmium	111-1	9.58	9.54	9.69	9.61	0.78	ppb
Calcium	43-1	116639.10	116666.91	116263.50	116523.17	0.19	ppb
Calcium	44-1	116149.50	116273.71	115475.68	115966.29	0.37	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	13.25	13.48	13.27	13.33	0.95	ppb
Cobalt	59-2	11.35	11.42	11.34	11.37	0.37	ppb
Copper	63-2	128.56	128.34	128.36	128.42	0.10	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				103		%
Indium	115-1				102		%
Indium	115-2				97		%
Iron	56-2	15184.46	15128.11	15087.99	15133.52	0.32	ppb
Iron	57-2	15783.78	15471.67	15421.19	15558.88	1.26	ppb
Iron	54-2	15206.76	15034.36	15070.94	15104.02	0.60	ppb
Krypton	83-1						cps

Reviewed By:jaswal
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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-10	Instrumnet Name :	P7
Client Sample ID :	MH2GR0	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:38:16	DataFile Name :	039SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	864.26	870.71	874.19	869.72	0.58	ppb
Lead	207-1	829.86	835.14	834.29	833.10	0.34	ppb
Lead	208-1	843.53	843.36	849.66	845.52	0.42	ppb
Lithium	6-1				89		%
Magnesium	24-2	8309.84	8358.33	8490.76	8386.31	1.12	ppb
Manganese	55-2	928.87	931.86	918.21	926.31	0.77	ppb
Molybdenum	94-1	4.59	4.67	4.56	4.61	1.32	ppb
Molybdenum	95-1	1.15	1.19	1.18	1.17	1.72	ppb
Molybdenum	96-1	1.56	1.58	1.60	1.58	1.48	ppb
Molybdenum	97-1	1.15	1.15	1.15	1.15	0.19	ppb
Molybdenum	98-1	1.16	1.17	1.15	1.16	0.55	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	21.03	20.96	20.87	20.95	0.39	ppb
Phosphorus	31-2	3581.03	3560.47	3581.14	3574.21	0.33	ppb
Potassium	39-2	3841.97	3811.69	3792.93	3815.53	0.65	ppb
Rhodium	103-1				99		%
Rhodium	103-2				97		%
Scandium	45-1				96		%
Scandium	45-2				97		%
Selenium	82-1	0.83	0.58	0.59	0.67	21.33	ppb
Selenium	77-2	14.65	15.88	16.17	15.57	5.21	ppb
Selenium	78-2	2.76	3.71	3.37	3.28	14.67	ppb
Silicon	28-1	1279.91	1267.09	1235.15	1260.72	1.83	ppb
Silver	107-1	2.77	2.84	2.89	2.83	2.06	ppb
Silver	109-1	2.72	2.82	2.86	2.80	2.51	ppb
Sodium	23-2	665.42	660.37	659.40	661.73	0.49	ppb
Strontium	86-1	9361.73	9380.66	9370.20	9370.86	0.10	ppb
Strontium	88-1	9256.25	9350.89	9328.82	9311.99	0.53	ppb
Sulfur	34-1	550.68	507.74	426.02	494.81	12.80	ppb
Terbium	159-1				108		%
Terbium	159-2				101		%
Thallium	203-1	0.40	0.42	0.43	0.42	3.17	ppb
Thallium	205-1	0.42	0.42	0.43	0.43	1.41	ppb
Tin	118-1	11.10	11.31	11.47	11.29	1.65	ppb
Titanium	47-1	135.83	135.02	133.22	134.69	0.99	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-10	Instrumnet Name :	P7
Client Sample ID :	MH2GR0	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:38:16	DataFile Name :	039SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	4.28	4.29	4.31	4.29	0.29	ppb
Vanadium	51-2	45.30	45.37	45.11	45.26	0.30	ppb
Yttrium	89-1				113		%
Yttrium	89-2				108		%
Zinc	66-2	531.92	529.16	528.09	529.72	0.37	ppb
Zirconium	90-1	2.01	2.04	2.01	2.02	0.82	ppb
Zirconium	91-1	2.03	2.05	2.06	2.05	0.87	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-11	Instrumnet Name :	P7
Client Sample ID :	MH2GR1	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:41:17	DataFile Name :	040SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10505.89	10125.59	10452.22	10361.23	1.99	ppb
Antimony	121-1	1.59	1.64	1.65	1.62	2.02	ppb
Arsenic	75-2	27.09	26.99	28.16	27.41	2.37	ppb
Barium	135-1	549.13	561.93	553.68	554.91	1.17	ppb
Barium	137-1	548.67	557.89	560.44	555.67	1.11	ppb
Beryllium	9-1	1.42	1.44	1.37	1.41	2.60	ppb
Bismuth	209-1				108		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	8.46	8.59	8.56	8.54	0.78	ppb
Cadmium	106-1	9.15	9.19	8.98	9.11	1.23	ppb
Cadmium	111-1	9.29	9.57	9.47	9.45	1.54	ppb
Calcium	43-1	131923.71	138697.08	140266.97	136962.58	3.24	ppb
Calcium	44-1	131134.28	137444.24	139404.10	135994.20	3.18	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	16.20	15.91	16.16	16.09	0.99	ppb
Cobalt	59-2	11.69	11.48	11.72	11.63	1.09	ppb
Copper	63-2	128.36	126.16	127.76	127.43	0.89	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				109		%
Holmium	165-2				102		%
Indium	115-1				103		%
Indium	115-2				96		%
Iron	56-2	16564.03	16132.33	16202.21	16299.53	1.42	ppb
Iron	57-2	17182.85	16586.28	16957.73	16908.95	1.78	ppb
Iron	54-2	16892.75	16184.50	16299.93	16459.06	2.31	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-11	Instrumnet Name :	P7
Client Sample ID :	MH2GR1	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:41:17	DataFile Name :	040SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	816.44	837.63	842.24	832.10	1.65	ppb
Lead	207-1	795.50	827.35	824.07	815.64	2.15	ppb
Lead	208-1	802.86	831.21	830.53	821.53	1.97	ppb
Lithium	6-1				88		%
Magnesium	24-2	10372.00	9987.36	10261.18	10206.85	1.94	ppb
Manganese	55-2	874.56	858.17	846.41	859.72	1.64	ppb
Molybdenum	94-1	4.61	4.80	4.82	4.74	2.41	ppb
Molybdenum	95-1	1.51	1.58	1.53	1.54	2.44	ppb
Molybdenum	96-1	1.83	1.97	1.93	1.91	3.68	ppb
Molybdenum	97-1	1.48	1.56	1.54	1.53	2.99	ppb
Molybdenum	98-1	1.49	1.54	1.55	1.52	2.14	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	27.07	26.74	27.52	27.11	1.44	ppb
Phosphorus	31-2	3893.78	3740.71	3882.35	3838.95	2.22	ppb
Potassium	39-2	3987.88	3920.48	3953.88	3954.08	0.85	ppb
Rhodium	103-1				98		%
Rhodium	103-2				96		%
Scandium	45-1				98		%
Scandium	45-2				97		%
Selenium	82-1	0.96	0.91	1.03	0.97	6.67	ppb
Selenium	77-2	16.01	16.71	17.67	16.79	4.96	ppb
Selenium	78-2	2.55	3.67	3.26	3.16	17.99	ppb
Silicon	28-1	1050.76	1094.16	1093.80	1079.57	2.31	ppb
Silver	107-1	3.19	3.28	3.26	3.24	1.42	ppb
Silver	109-1	3.19	3.25	3.21	3.22	0.97	ppb
Sodium	23-2	540.74	534.50	544.36	539.87	0.92	ppb
Strontium	86-1	9252.50	9788.96	9700.18	9580.54	3.00	ppb
Strontium	88-1	9344.43	9606.52	9592.92	9514.62	1.55	ppb
Sulfur	34-1	1680.98	1867.49	1901.81	1816.76	6.54	ppb
Terbium	159-1				108		%
Terbium	159-2				102		%
Thallium	203-1	0.50	0.52	0.50	0.51	2.21	ppb
Thallium	205-1	0.49	0.50	0.52	0.51	3.36	ppb
Tin	118-1	12.97	13.50	13.38	13.28	2.10	ppb
Titanium	47-1	110.77	115.81	115.90	114.16	2.57	ppb

Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-11	Instrumnet Name :	P7
Client Sample ID :	MH2GR1	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:41:17	DataFile Name :	040SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	4.06	4.19	4.23	4.16	2.12	ppb
Vanadium	51-2	47.93	46.85	47.46	47.41	1.14	ppb
Yttrium	89-1				114		%
Yttrium	89-2				109		%
Zinc	66-2	452.60	444.80	445.82	447.74	0.95	ppb
Zirconium	90-1	1.89	1.97	1.96	1.94	2.33	ppb
Zirconium	91-1	1.89	1.98	1.97	1.94	2.68	ppb

Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-12	Instrumnet Name :	P7
Client Sample ID :	MH2GR2	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:44:18	DataFile Name :	041SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	12777.47	12526.00	12597.03	12633.50	1.03	ppb
Antimony	121-1	1.28	1.29	1.28	1.28	0.51	ppb
Arsenic	75-2	15.18	15.03	15.11	15.11	0.52	ppb
Barium	135-1	743.26	760.97	744.21	749.48	1.33	ppb
Barium	137-1	746.84	757.61	755.31	753.25	0.75	ppb
Beryllium	9-1	1.91	1.88	1.89	1.89	0.81	ppb
Bismuth	209-1				108		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	9.97	10.24	10.18	10.13	1.38	ppb
Cadmium	106-1	10.71	11.12	10.96	10.93	1.89	ppb
Cadmium	111-1	10.96	11.29	11.10	11.12	1.47	ppb
Calcium	43-1	124617.85	129248.06	129610.57	127825.50	2.18	ppb
Calcium	44-1	125578.84	129134.00	129029.06	127913.97	1.58	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	27.85	27.57	27.84	27.75	0.57	ppb
Cobalt	59-2	12.21	12.21	12.19	12.20	0.10	ppb
Copper	63-2	132.61	134.22	133.89	133.57	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				103		%
Indium	115-1				103		%
Indium	115-2				97		%
Iron	56-2	19146.40	19109.78	19217.02	19157.74	0.28	ppb
Iron	57-2	19776.66	19479.83	19705.45	19653.98	0.79	ppb
Iron	54-2	19217.67	19421.59	19346.14	19328.47	0.53	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-12	Instrumnet Name :	P7
Client Sample ID :	MH2GR2	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:44:18	DataFile Name :	041SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1140.01	1118.19	1148.30	1135.50	1.37	ppb
Lead	207-1	1095.46	1101.59	1118.08	1105.04	1.06	ppb
Lead	208-1	1110.92	1099.90	1124.61	1111.81	1.11	ppb
Lithium	6-1				88		%
Magnesium	24-2	9052.90	9075.47	9027.79	9052.05	0.26	ppb
Manganese	55-2	1169.56	1158.78	1161.23	1163.19	0.49	ppb
Molybdenum	94-1	4.94	5.04	4.96	4.98	1.08	ppb
Molybdenum	95-1	1.14	1.18	1.16	1.16	1.55	ppb
Molybdenum	96-1	1.64	1.61	1.65	1.63	1.44	ppb
Molybdenum	97-1	1.16	1.12	1.15	1.14	1.58	ppb
Molybdenum	98-1	1.14	1.16	1.19	1.16	1.96	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	24.80	24.89	25.00	24.90	0.41	ppb
Phosphorus	31-2	8768.32	8689.92	8731.78	8730.01	0.45	ppb
Potassium	39-2	6907.58	6952.94	6864.06	6908.19	0.64	ppb
Rhodium	103-1				98		%
Rhodium	103-2				98		%
Scandium	45-1				96		%
Scandium	45-2				97		%
Selenium	82-1	1.30	1.45	1.07	1.28	14.94	ppb
Selenium	77-2	17.99	18.92	15.81	17.57	9.08	ppb
Selenium	78-2	3.83	2.81	3.47	3.37	15.39	ppb
Silicon	28-1	1286.29	1335.85	1322.26	1314.80	1.95	ppb
Silver	107-1	2.64	2.69	2.68	2.67	1.02	ppb
Silver	109-1	2.65	2.71	2.71	2.69	1.27	ppb
Sodium	23-2	527.89	529.97	530.47	529.44	0.26	ppb
Strontium	86-1	10411.46	10631.47	10477.08	10506.67	1.08	ppb
Strontium	88-1	10290.38	10586.25	10556.77	10477.80	1.56	ppb
Sulfur	34-1	793.74	881.80	864.84	846.79	5.52	ppb
Terbium	159-1				108		%
Terbium	159-2				103		%
Thallium	203-1	0.40	0.40	0.41	0.41	1.46	ppb
Thallium	205-1	0.41	0.41	0.41	0.41	0.30	ppb
Tin	118-1	25.40	25.60	25.73	25.57	0.63	ppb
Titanium	47-1	161.54	166.20	162.95	163.56	1.46	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-12	Instrumnet Name :	P7
Client Sample ID :	MH2GR2	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:44:18	DataFile Name :	041SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	3.39	3.33	3.41	3.38	1.34	ppb
Vanadium	51-2	49.41	49.58	49.82	49.60	0.41	ppb
Yttrium	89-1				114		%
Yttrium	89-2				110		%
Zinc	66-2	1425.09	1404.05	1418.70	1415.94	0.76	ppb
Zirconium	90-1	2.23	2.25	2.27	2.25	0.77	ppb
Zirconium	91-1	2.21	2.31	2.26	2.26	2.24	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-13	Instrumnet Name :	P7
Client Sample ID :	MH2GR3	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:47:20	DataFile Name :	042SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	11900.35	11912.21	12020.97	11944.51	0.56	ppb
Antimony	121-1	1.54	1.53	1.53	1.53	0.38	ppb
Arsenic	75-2	21.47	20.62	21.05	21.05	2.02	ppb
Barium	135-1	851.31	843.18	837.96	844.15	0.80	ppb
Barium	137-1	853.46	840.11	844.04	845.87	0.81	ppb
Beryllium	9-1	1.97	1.95	1.96	1.96	0.58	ppb
Bismuth	209-1				109		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	10.01	10.38	9.66	10.02	3.55	ppb
Cadmium	106-1	11.69	10.27	10.65	10.87	6.77	ppb
Cadmium	111-1	11.75	11.36	11.43	11.51	1.82	ppb
Calcium	43-1	151185.48	151865.89	152971.45	152007.61	0.59	ppb
Calcium	44-1	150259.36	150416.09	151530.45	150735.30	0.46	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	18.98	19.06	19.10	19.04	0.34	ppb
Cobalt	59-2	12.39	12.50	12.48	12.46	0.45	ppb
Copper	63-2	163.04	162.88	162.44	162.79	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				109		%
Holmium	165-2				104		%
Indium	115-1				103		%
Indium	115-2				98		%
Iron	56-2	16006.26	15840.58	15776.14	15874.33	0.75	ppb
Iron	57-2	16602.12	16506.94	16256.06	16455.04	1.09	ppb
Iron	54-2	16067.14	16065.84	15885.70	16006.23	0.65	ppb
Krypton	83-1						cps

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-13	Instrumnet Name :	P7
Client Sample ID :	MH2GR3	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:47:20	DataFile Name :	042SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1184.96	1149.20	1169.99	1168.05	1.54	ppb
Lead	207-1	1142.58	1135.88	1142.38	1140.28	0.33	ppb
Lead	208-1	1156.40	1139.88	1153.84	1150.04	0.77	ppb
Lithium	6-1				89		%
Magnesium	24-2	7153.53	7136.98	7259.03	7183.18	0.92	ppb
Manganese	55-2	1053.13	1053.21	1055.31	1053.88	0.12	ppb
Molybdenum	94-1	5.04	4.98	5.02	5.01	0.68	ppb
Molybdenum	95-1	0.77	0.79	0.79	0.78	0.91	ppb
Molybdenum	96-1	1.29	1.26	1.27	1.27	1.00	ppb
Molybdenum	97-1	0.77	0.76	0.77	0.77	1.00	ppb
Molybdenum	98-1	0.79	0.77	0.76	0.77	2.37	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	36.93	36.54	36.40	36.63	0.75	ppb
Phosphorus	31-2	5642.18	5602.99	5607.84	5617.67	0.38	ppb
Potassium	39-2	5528.77	5498.59	5473.09	5500.15	0.51	ppb
Rhodium	103-1				99		%
Rhodium	103-2				98		%
Scandium	45-1				97		%
Scandium	45-2				98		%
Selenium	82-1	1.40	1.09	1.29	1.26	12.40	ppb
Selenium	77-2	15.58	17.30	16.03	16.30	5.47	ppb
Selenium	78-2	3.61	2.47	3.36	3.15	19.08	ppb
Silicon	28-1	1296.63	1294.24	1293.73	1294.87	0.12	ppb
Silver	107-1	3.16	3.14	3.11	3.13	0.71	ppb
Silver	109-1	3.16	3.12	3.09	3.12	1.15	ppb
Sodium	23-2	474.55	477.63	475.55	475.91	0.33	ppb
Strontium	86-1	11004.72	11015.42	10910.84	10977.00	0.52	ppb
Strontium	88-1	11040.78	10949.04	10977.72	10989.18	0.43	ppb
Sulfur	34-1	477.66	483.94	518.66	493.42	4.47	ppb
Terbium	159-1				109		%
Terbium	159-2				103		%
Thallium	203-1	0.40	0.40	0.41	0.41	1.83	ppb
Thallium	205-1	0.41	0.40	0.40	0.40	0.44	ppb
Tin	118-1	17.15	16.93	16.97	17.02	0.67	ppb
Titanium	47-1	134.04	134.10	136.86	135.00	1.19	ppb

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-13	Instrumnet Name :	P7
Client Sample ID :	MH2GR3	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:47:20	DataFile Name :	042SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	3.90	3.90	3.90	3.90	0.05	ppb
Vanadium	51-2	50.15	49.94	50.07	50.05	0.21	ppb
Yttrium	89-1				116		%
Yttrium	89-2				111		%
Zinc	66-2	1111.05	1105.19	1109.42	1108.55	0.27	ppb
Zirconium	90-1	2.44	2.47	2.45	2.45	0.57	ppb
Zirconium	91-1	2.42	2.41	2.46	2.43	1.16	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-14	Instrumnet Name :	P7
Client Sample ID :	MH2GR4	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:50:18	DataFile Name :	043SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	13265.31	13248.81	13195.38	13236.50	0.28	ppb
Antimony	121-1	0.99	1.01	1.01	1.01	1.27	ppb
Arsenic	75-2	18.95	19.10	19.18	19.08	0.61	ppb
Barium	135-1	797.65	836.11	819.31	817.69	2.36	ppb
Barium	137-1	809.07	824.65	823.03	818.92	1.05	ppb
Beryllium	9-1	1.79	1.80	1.74	1.78	1.51	ppb
Bismuth	209-1				108		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	5.74	5.78	5.49	5.67	2.72	ppb
Cadmium	106-1	5.95	6.31	5.75	6.00	4.75	ppb
Cadmium	111-1	6.03	6.19	6.17	6.13	1.44	ppb
Calcium	43-1	232640.51	239697.99	236974.38	236437.63	1.51	ppb
Calcium	44-1	231253.17	241602.65	236561.00	236472.28	2.19	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	15.96	15.85	15.94	15.92	0.38	ppb
Cobalt	59-2	12.84	12.62	12.83	12.76	1.01	ppb
Copper	63-2	91.42	91.56	91.18	91.39	0.21	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				110		%
Holmium	165-2				103		%
Indium	115-1				103		%
Indium	115-2				96		%
Iron	56-2	15475.54	15532.40	15458.97	15488.97	0.25	ppb
Iron	57-2	16515.95	16351.76	16687.20	16518.31	1.02	ppb
Iron	54-2	15653.89	15550.38	15563.03	15589.10	0.36	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-14	Instrumnet Name :	P7
Client Sample ID :	MH2GR4	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:50:18	DataFile Name :	043SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	598.31	620.27	612.02	610.20	1.82	ppb
Lead	207-1	581.79	598.77	599.94	593.50	1.71	ppb
Lead	208-1	590.87	607.29	604.50	600.89	1.46	ppb
Lithium	6-1				89		%
Magnesium	24-2	7861.16	7749.55	7807.11	7805.94	0.72	ppb
Manganese	55-2	747.74	756.80	750.58	751.71	0.62	ppb
Molybdenum	94-1	4.05	4.26	4.12	4.14	2.62	ppb
Molybdenum	95-1	0.81	0.84	0.84	0.83	2.14	ppb
Molybdenum	96-1	1.22	1.27	1.24	1.24	2.11	ppb
Molybdenum	97-1	0.83	0.87	0.83	0.84	2.34	ppb
Molybdenum	98-1	0.81	0.86	0.82	0.83	2.78	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	28.25	28.16	28.66	28.36	0.94	ppb
Phosphorus	31-2	4146.26	4152.07	4150.99	4149.77	0.07	ppb
Potassium	39-2	3315.73	3346.87	3308.92	3323.84	0.61	ppb
Rhodium	103-1				97		%
Rhodium	103-2				95		%
Scandium	45-1				96		%
Scandium	45-2				96		%
Selenium	82-1	1.17	1.21	0.98	1.12	11.18	ppb
Selenium	77-2	16.20	18.35	17.06	17.20	6.29	ppb
Selenium	78-2	3.25	3.38	3.32	3.32	1.85	ppb
Silicon	28-1	1211.98	1249.46	1236.96	1232.80	1.55	ppb
Silver	107-1	1.62	1.65	1.66	1.64	1.19	ppb
Silver	109-1	1.58	1.67	1.64	1.63	2.57	ppb
Sodium	23-2	553.80	548.86	554.59	552.41	0.56	ppb
Strontium	86-1	12962.28	13319.16	12992.48	13091.31	1.51	ppb
Strontium	88-1	12828.02	13132.59	13079.95	13013.52	1.25	ppb
Sulfur	34-1	743.86	870.89	864.85	826.53	8.67	ppb
Terbium	159-1				109		%
Terbium	159-2				103		%
Thallium	203-1	0.40	0.42	0.40	0.41	3.04	ppb
Thallium	205-1	0.39	0.41	0.41	0.41	2.83	ppb
Tin	118-1	10.42	10.87	10.76	10.68	2.19	ppb
Titanium	47-1	94.73	98.21	96.82	96.59	1.81	ppb

Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-14	Instrumnet Name :	P7
Client Sample ID :	MH2GR4	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:50:18	DataFile Name :	043SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	5.04	5.22	5.19	5.15	1.92	ppb
Vanadium	51-2	57.81	56.84	57.37	57.34	0.85	ppb
Yttrium	89-1				114		%
Yttrium	89-2				109		%
Zinc	66-2	500.44	495.83	499.34	498.54	0.48	ppb
Zirconium	90-1	1.91	1.94	1.93	1.93	0.81	ppb
Zirconium	91-1	1.90	1.96	1.93	1.93	1.40	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-15	Instrumnet Name :	P7
Client Sample ID :	MH2GR5	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:53:21	DataFile Name :	044SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	13035.87	12910.46	12922.27	12956.20	0.53	ppb
Antimony	121-1	0.68	0.68	0.84	0.73	12.94	ppb
Arsenic	75-2	12.06	12.17	12.30	12.18	0.96	ppb
Barium	135-1	898.34	900.20	887.02	895.18	0.80	ppb
Barium	137-1	893.73	903.35	878.89	891.99	1.38	ppb
Beryllium	9-1	1.36	1.49	1.58	1.48	7.50	ppb
Bismuth	209-1				107		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	3.05	3.19	3.32	3.19	4.38	ppb
Cadmium	106-1	4.12	3.77	3.70	3.86	5.88	ppb
Cadmium	111-1	3.50	3.48	3.61	3.53	1.99	ppb
Calcium	43-1	278718.81	277234.64	273310.40	276421.28	1.01	ppb
Calcium	44-1	277888.59	277553.36	272220.01	275887.32	1.15	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	24.41	24.36	24.24	24.34	0.36	ppb
Cobalt	59-2	12.70	12.68	12.64	12.67	0.24	ppb
Copper	63-2	55.56	55.35	55.40	55.44	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				109		%
Holmium	165-2				102		%
Indium	115-1				101		%
Indium	115-2				94		%
Iron	56-2	15015.78	14732.47	14880.14	14876.13	0.95	ppb
Iron	57-2	16351.58	16102.22	16378.65	16277.48	0.94	ppb
Iron	54-2	15006.02	14975.61	14959.82	14980.48	0.16	ppb
Krypton	83-1						cps

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On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-15	Instrumnet Name :	P7
Client Sample ID :	MH2GR5	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:53:21	DataFile Name :	044SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	217.18	216.16	220.38	217.91	1.01	ppb
Lead	207-1	209.26	209.81	212.99	210.69	0.96	ppb
Lead	208-1	212.46	211.56	213.17	212.40	0.38	ppb
Lithium	6-1				90		%
Magnesium	24-2	8578.36	8607.61	8602.59	8596.19	0.18	ppb
Manganese	55-2	706.60	697.47	694.34	699.47	0.91	ppb
Molybdenum	94-1	4.02	4.04	6.44	4.83	28.80	ppb
Molybdenum	95-1	1.10	1.12	3.50	1.91	72.12	ppb
Molybdenum	96-1	1.50	1.44	3.78	2.24	59.53	ppb
Molybdenum	97-1	1.13	1.11	3.59	1.94	73.41	ppb
Molybdenum	98-1	1.11	1.10	3.55	1.92	73.56	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	106.86	106.46	106.59	106.64	0.19	ppb
Phosphorus	31-2	3559.02	3528.83	3541.62	3543.16	0.43	ppb
Potassium	39-2	2954.87	2974.72	2931.55	2953.71	0.73	ppb
Rhodium	103-1				96		%
Rhodium	103-2				93		%
Scandium	45-1				95		%
Scandium	45-2				95		%
Selenium	82-1	1.18	1.02	1.02	1.07	8.61	ppb
Selenium	77-2	16.83	18.30	16.11	17.08	6.53	ppb
Selenium	78-2	3.15	3.33	2.22	2.90	20.49	ppb
Silicon	28-1	1228.53	1215.90	1201.63	1215.35	1.11	ppb
Silver	107-1	0.71	0.70	0.85	0.75	11.10	ppb
Silver	109-1	0.71	0.71	0.84	0.75	9.71	ppb
Sodium	23-2	482.66	485.78	485.79	484.75	0.37	ppb
Strontium	86-1	15180.20	15168.48	14585.67	14978.12	2.27	ppb
Strontium	88-1	15020.48	15272.68	14612.54	14968.57	2.23	ppb
Sulfur	34-1	1031.17	1013.69	957.63	1000.83	3.84	ppb
Terbium	159-1				108		%
Terbium	159-2				102		%
Thallium	203-1	0.35	0.35	0.57	0.42	29.97	ppb
Thallium	205-1	0.36	0.36	0.57	0.43	28.35	ppb
Tin	118-1	4.14	4.12	4.41	4.22	3.89	ppb
Titanium	47-1	95.99	96.87	98.18	97.01	1.14	ppb

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-15	Instrumnet Name :	P7
Client Sample ID :	MH2GR5	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:53:21	DataFile Name :	044SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	4.95	5.06	5.14	5.05	1.95	ppb
Vanadium	51-2	62.94	62.13	63.00	62.69	0.78	ppb
Yttrium	89-1				114		%
Yttrium	89-2				107		%
Zinc	66-2	220.97	220.99	222.83	221.60	0.48	ppb
Zirconium	90-1	1.76	1.79	1.93	1.83	5.08	ppb
Zirconium	91-1	1.77	1.78	1.94	1.83	5.33	ppb

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-16	Instrumnet Name :	P7
Client Sample ID :	MH2GR6	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:56:22	DataFile Name :	045SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2871.86	2936.19	2871.40	2893.15	1.29	ppb
Antimony	121-1	0.21	0.21	0.21	0.21	0.41	ppb
Arsenic	75-2	7.83	7.92	7.97	7.91	0.94	ppb
Barium	135-1	386.41	397.00	389.12	390.85	1.41	ppb
Barium	137-1	387.01	400.70	386.85	391.52	2.03	ppb
Beryllium	9-1	1.65	1.68	1.55	1.63	4.40	ppb
Bismuth	209-1				96		%
Bismuth	209-2				91		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.42	1.37	1.47	1.42	3.69	ppb
Cadmium	106-1	2.53	2.04	2.32	2.30	10.80	ppb
Cadmium	111-1	1.54	1.54	1.55	1.54	0.36	ppb
Calcium	43-1	691628.58	718249.00	701121.33	703666.30	1.92	ppb
Calcium	44-1	687396.93	720790.36	691249.45	699812.25	2.61	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	18.63	18.69	18.59	18.64	0.25	ppb
Cobalt	59-2	14.12	14.31	14.42	14.28	1.03	ppb
Copper	63-2	25.71	25.72	25.52	25.65	0.43	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				101		%
Indium	115-1				96		%
Indium	115-2				93		%
Iron	56-2	3946.57	3878.24	3932.39	3919.07	0.92	ppb
Iron	57-2	7690.92	7641.89	7797.58	7710.13	1.03	ppb
Iron	54-2	3972.47	4002.78	3992.40	3989.21	0.39	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-16	Instrumnet Name :	P7
Client Sample ID :	MH2GR6	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:56:22	DataFile Name :	045SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	274.86	278.47	278.82	277.38	0.79	ppb
Lead	207-1	260.72	259.49	255.32	258.51	1.09	ppb
Lead	208-1	264.39	267.60	264.07	265.35	0.74	ppb
Lithium	6-1				84		%
Magnesium	24-2	362934.50	364055.39	366309.63	364433.18	0.47	ppb
Manganese	55-2	1080.28	1068.22	1071.46	1073.32	0.58	ppb
Molybdenum	94-1	1.14	1.20	1.15	1.16	2.88	ppb
Molybdenum	95-1	0.38	0.42	0.41	0.40	4.11	ppb
Molybdenum	96-1	0.47	0.48	0.47	0.47	1.73	ppb
Molybdenum	97-1	0.37	0.40	0.37	0.38	3.94	ppb
Molybdenum	98-1	0.38	0.39	0.38	0.38	1.79	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	48.64	48.30	48.38	48.44	0.37	ppb
Phosphorus	31-2	1137.50	1116.04	1145.96	1133.17	1.36	ppb
Potassium	39-2	1480.10	1506.78	1492.99	1493.29	0.89	ppb
Rhodium	103-1				91		%
Rhodium	103-2				91		%
Scandium	45-1				96		%
Scandium	45-2				101		%
Selenium	82-1	0.91	1.08	0.56	0.85	31.08	ppb
Selenium	77-2	6.94	8.84	9.58	8.45	16.10	ppb
Selenium	78-2	0.97	0.67	1.76	1.13	49.64	ppb
Silicon	28-1	631.45	660.63	652.40	648.16	2.32	ppb
Silver	107-1	0.24	0.26	0.27	0.25	5.91	ppb
Silver	109-1	0.24	0.25	0.26	0.25	4.34	ppb
Sodium	23-2	567.13	566.64	572.35	568.71	0.56	ppb
Strontium	86-1	5621.04	5625.68	5534.11	5593.61	0.92	ppb
Strontium	88-1	5575.07	5675.78	5571.95	5607.60	1.05	ppb
Sulfur	34-1	860.11	1029.53	958.05	949.23	8.96	ppb
Terbium	159-1				104		%
Terbium	159-2				99		%
Thallium	203-1	0.14	0.13	0.15	0.14	6.03	ppb
Thallium	205-1	0.14	0.14	0.15	0.14	4.29	ppb
Tin	118-1	1.85	1.87	1.82	1.85	1.40	ppb
Titanium	47-1	35.23	35.11	34.94	35.09	0.42	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-16	Instrumnet Name :	P7
Client Sample ID :	MH2GR6	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:56:22	DataFile Name :	045SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.45	1.44	1.43	1.44	0.87	ppb
Vanadium	51-2	55.99	55.83	56.23	56.02	0.36	ppb
Yttrium	89-1				105		%
Yttrium	89-2				103		%
Zinc	66-2	242.46	242.73	242.86	242.68	0.08	ppb
Zirconium	90-1	0.46	0.47	0.46	0.46	1.29	ppb
Zirconium	91-1	0.46	0.46	0.46	0.46	0.55	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-17	Instrumnet Name :	P7
Client Sample ID :	MH2GR7	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:59:28	DataFile Name :	046SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10730.63	10428.28	10744.42	10634.44	1.68	ppb
Antimony	121-1	1.03	1.02	1.04	1.03	1.20	ppb
Arsenic	75-2	14.79	14.89	15.02	14.90	0.77	ppb
Barium	135-1	610.81	610.84	598.97	606.87	1.13	ppb
Barium	137-1	599.89	610.36	599.48	603.24	1.02	ppb
Beryllium	9-1	1.55	1.60	1.45	1.54	5.13	ppb
Bismuth	209-1				106		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	6.70	6.45	6.24	6.47	3.55	ppb
Cadmium	106-1	7.56	7.75	6.98	7.43	5.36	ppb
Cadmium	111-1	7.00	6.97	6.97	6.98	0.28	ppb
Calcium	43-1	172646.95	174861.88	174820.57	174109.80	0.73	ppb
Calcium	44-1	170450.46	173515.31	174042.73	172669.50	1.12	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	20.35	20.29	20.88	20.51	1.59	ppb
Cobalt	59-2	12.03	11.79	11.92	11.91	1.01	ppb
Copper	63-2	105.55	105.37	106.23	105.72	0.43	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				102		%
Indium	115-1				101		%
Indium	115-2				95		%
Iron	56-2	17402.34	17293.84	17570.36	17422.18	0.80	ppb
Iron	57-2	18031.50	17934.19	18422.67	18129.45	1.43	ppb
Iron	54-2	17416.02	17335.35	17581.69	17444.35	0.72	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-17	Instrumnet Name :	P7
Client Sample ID :	MH2GR7	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:59:28	DataFile Name :	046SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	667.86	670.34	663.51	667.23	0.52	ppb
Lead	207-1	645.92	652.93	644.23	647.69	0.71	ppb
Lead	208-1	654.81	659.61	653.08	655.84	0.52	ppb
Lithium	6-1				94		%
Magnesium	24-2	44014.72	43333.19	44050.70	43799.53	0.92	ppb
Manganese	55-2	944.45	935.66	952.48	944.20	0.89	ppb
Molybdenum	94-1	4.37	4.39	4.33	4.36	0.64	ppb
Molybdenum	95-1	0.91	0.93	0.88	0.91	2.69	ppb
Molybdenum	96-1	1.29	1.35	1.35	1.33	2.61	ppb
Molybdenum	97-1	0.89	0.90	0.89	0.89	0.84	ppb
Molybdenum	98-1	0.87	0.91	0.89	0.89	1.89	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	46.40	46.10	46.89	46.46	0.85	ppb
Phosphorus	31-2	3601.68	3619.51	3634.28	3618.49	0.45	ppb
Potassium	39-2	3887.20	3870.48	3943.81	3900.49	0.99	ppb
Rhodium	103-1				96		%
Rhodium	103-2				95		%
Scandium	45-1				97		%
Scandium	45-2				96		%
Selenium	82-1	0.53	0.84	0.54	0.64	27.84	ppb
Selenium	77-2	14.91	15.14	17.02	15.69	7.38	ppb
Selenium	78-2	2.35	2.34	2.77	2.49	9.85	ppb
Silicon	28-1	1266.19	1296.11	1276.43	1279.58	1.19	ppb
Silver	107-1	1.74	1.76	1.75	1.75	0.44	ppb
Silver	109-1	1.71	1.73	1.75	1.73	1.14	ppb
Sodium	23-2	591.90	589.90	597.60	593.13	0.67	ppb
Strontium	86-1	7959.44	8168.76	8086.48	8071.56	1.31	ppb
Strontium	88-1	7974.58	8209.17	8022.20	8068.65	1.54	ppb
Sulfur	34-1	1373.57	1435.25	1354.92	1387.91	3.03	ppb
Terbium	159-1				108		%
Terbium	159-2				102		%
Thallium	203-1	0.39	0.40	0.39	0.39	1.98	ppb
Thallium	205-1	0.39	0.40	0.40	0.40	1.43	ppb
Tin	118-1	15.20	15.48	15.32	15.34	0.93	ppb
Titanium	47-1	148.21	152.43	151.76	150.80	1.50	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-17	Instrumnet Name :	P7
Client Sample ID :	MH2GR7	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:59:28	DataFile Name :	046SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	2.89	2.91	2.90	2.90	0.30	ppb
Vanadium	51-2	49.47	49.09	50.03	49.53	0.95	ppb
Yttrium	89-1				112		%
Yttrium	89-2				107		%
Zinc	66-2	750.89	750.82	755.27	752.33	0.34	ppb
Zirconium	90-1	1.99	2.05	2.03	2.02	1.42	ppb
Zirconium	91-1	1.98	2.07	2.05	2.03	2.36	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	CCV002	Instrumnet Name :	P7
Client Sample ID :	CCV002	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:02:33	DataFile Name :	047CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	50041.87	50138.72	50136.93	50105.84	0.11	ppb
Antimony	121-1	461.60	499.39	503.56	488.19	4.73	ppb
Arsenic	75-2	529.84	529.97	531.40	530.41	0.16	ppb
Barium	135-1	2289.43	2469.84	2488.46	2415.91	4.55	ppb
Barium	137-1	2245.37	2461.30	2476.11	2394.26	5.39	ppb
Beryllium	9-1	532.95	539.54	544.11	538.87	1.04	ppb
Bismuth	209-1				96		%
Bismuth	209-2				88		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	469.49	513.95	519.86	501.10	5.49	ppb
Cadmium	106-1	472.90	515.14	517.68	501.91	5.01	ppb
Cadmium	111-1	473.34	510.75	520.45	501.51	4.96	ppb
Calcium	43-1	230387.36	248233.70	254788.88	244469.98	5.17	ppb
Calcium	44-1	230686.04	245665.58	254514.56	243622.06	4.94	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	480.31	484.59	491.16	485.35	1.13	ppb
Cobalt	59-2	490.91	497.95	496.42	495.09	0.75	ppb
Copper	63-2	4962.63	4892.69	5064.57	4973.30	1.74	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				95		%
Indium	115-1				95		%
Indium	115-2				88		%
Iron	56-2	126084.61	125693.73	126829.76	126202.70	0.46	ppb
Iron	57-2	125351.97	127097.10	127788.35	126745.81	0.99	ppb
Iron	54-2	127029.26	127982.36	128651.75	127887.79	0.64	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	CCV002	Instrumnet Name :	P7
Client Sample ID :	CCV002	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:02:33	DataFile Name :	047CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2278.44	2486.19	2542.74	2435.79	5.71	ppb
Lead	207-1	2294.72	2478.62	2538.66	2437.33	5.21	ppb
Lead	208-1	2282.12	2466.94	2531.45	2426.84	5.33	ppb
Lithium	6-1				88		%
Magnesium	24-2	250809.78	248030.81	250662.57	249834.39	0.63	ppb
Manganese	55-2	4711.44	4727.14	4782.61	4740.40	0.79	ppb
Molybdenum	94-1	4556.12	4930.63	4969.01	4818.59	4.73	ppb
Molybdenum	95-1	4520.93	4944.06	4999.62	4821.54	5.43	ppb
Molybdenum	96-1	4535.86	4932.95	4963.42	4810.74	4.96	ppb
Molybdenum	97-1	4511.07	4905.46	4897.46	4771.33	4.72	ppb
Molybdenum	98-1	4495.11	4905.58	4993.94	4798.21	5.55	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	480.54	484.56	499.83	488.31	2.08	ppb
Phosphorus	31-2	10058.71	10047.54	10225.96	10110.74	0.99	ppb
Potassium	39-2	125055.92	124686.59	125644.99	125129.17	0.39	ppb
Rhodium	103-1				90		%
Rhodium	103-2				86		%
Scandium	45-1				95		%
Scandium	45-2				93		%
Selenium	82-1	464.95	503.89	512.36	493.73	5.12	ppb
Selenium	77-2	506.33	510.92	512.11	509.79	0.60	ppb
Selenium	78-2	515.43	508.48	519.95	514.62	1.12	ppb
Silicon	28-1	423.39	462.03	471.91	452.44	5.67	ppb
Silver	107-1	455.67	497.54	497.94	483.72	5.02	ppb
Silver	109-1	458.37	491.80	497.76	482.64	4.40	ppb
Sodium	23-2	250001.99	250054.94	249864.50	249973.81	0.04	ppb
Strontium	86-1	11200.97	12262.06	12444.08	11969.04	5.61	ppb
Strontium	88-1	11322.01	12225.19	12507.65	12018.28	5.15	ppb
Sulfur	34-1	9820.75	10768.57	10966.22	10518.51	5.82	ppb
Terbium	159-1				102		%
Terbium	159-2				96		%
Thallium	203-1	457.40	496.24	506.24	486.63	5.30	ppb
Thallium	205-1	455.16	500.66	509.46	488.43	5.97	ppb
Tin	118-1	460.64	499.22	502.09	487.32	4.75	ppb
Titanium	47-1	4537.39	4871.05	5014.31	4807.58	5.09	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	CCV002	Instrumnet Name :	P7
Client Sample ID :	CCV002	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:02:33	DataFile Name :	047CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	452.77	505.51	511.16	489.81	6.57	ppb
Vanadium	51-2	497.48	499.26	499.52	498.75	0.22	ppb
Yttrium	89-1				97		%
Yttrium	89-2				92		%
Zinc	66-2	4914.28	4913.68	5074.09	4967.35	1.86	ppb
Zirconium	90-1	457.51	493.06	503.25	484.61	4.95	ppb
Zirconium	91-1	454.23	497.30	499.51	483.68	5.28	ppb

Reviewed By:jaswal
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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	CCB002	Instrumnet Name :	P7
Client Sample ID :	CCB002	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:05:17	DataFile Name :	048CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	3.17	3.17	2.68	3.01	9.35	ppb
Antimony	121-1	0.15	0.19	0.25	0.20	24.47	ppb
Arsenic	75-2	0.02	0.03	0.04	0.03	43.57	ppb
Barium	135-1	0.21	0.20	0.20	0.20	3.12	ppb
Barium	137-1	0.23	0.24	0.21	0.22	5.44	ppb
Beryllium	9-1	0.08	0.09	0.08	0.08	9.96	ppb
Bismuth	209-1				105		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.04	0.08	0.03	0.05	58.33	ppb
Cadmium	106-1	-0.07	-0.12	-0.32	-0.17		ppb
Cadmium	111-1	0.06	0.04	0.03	0.04	31.85	ppb
Calcium	43-1	29.80	30.62	24.74	28.38	11.22	ppb
Calcium	44-1	29.98	30.89	29.91	30.26	1.80	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.05	0.03	0.01	0.03	55.92	ppb
Cobalt	59-2	0.03	0.02	0.03	0.03	14.48	ppb
Copper	63-2	0.49	0.42	0.39	0.43	11.28	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				100		%
Indium	115-1				100		%
Indium	115-2				96		%
Iron	56-2	9.10	7.89	7.03	8.01	12.95	ppb
Iron	57-2	9.42	8.09	8.83	8.78	7.62	ppb
Iron	54-2	8.55	7.35	6.93	7.61	11.05	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	CCB002	Instrumnet Name :	P7
Client Sample ID :	CCB002	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:05:17	DataFile Name :	048CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.37	0.38	0.36	0.37	2.84	ppb
Lead	207-1	0.36	0.36	0.36	0.36	0.16	ppb
Lead	208-1	0.37	0.37	0.36	0.36	2.04	ppb
Lithium	6-1				94		%
Magnesium	24-2	16.51	14.82	13.06	14.80	11.66	ppb
Manganese	55-2	0.36	0.31	0.28	0.32	13.12	ppb
Molybdenum	94-1	0.48	0.51	0.55	0.51	6.85	ppb
Molybdenum	95-1	0.48	0.50	0.50	0.49	2.80	ppb
Molybdenum	96-1	0.49	0.48	0.49	0.49	0.93	ppb
Molybdenum	97-1	0.48	0.50	0.49	0.49	1.45	ppb
Molybdenum	98-1	0.48	0.50	0.51	0.50	3.42	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.59	0.57	0.53	0.57	6.15	ppb
Phosphorus	31-2	-14.68	-16.04	-13.10	-14.60		ppb
Potassium	39-2	18.94	17.24	16.54	17.58	7.02	ppb
Rhodium	103-1				98		%
Rhodium	103-2				97		%
Scandium	45-1				94		%
Scandium	45-2				95		%
Selenium	82-1	-0.19	-0.42	-0.40	-0.34		ppb
Selenium	77-2	0.26	0.09	0.09	0.15	69.42	ppb
Selenium	78-2	-0.57	-0.60	-0.68	-0.61		ppb
Silicon	28-1	-4.86	-4.86	-4.91	-4.87		ppb
Silver	107-1	0.08	0.08	0.06	0.07	14.30	ppb
Silver	109-1	0.09	0.07	0.07	0.08	11.66	ppb
Sodium	23-2	41.79	38.80	37.55	39.38	5.53	ppb
Strontium	86-1	1.24	1.20	1.18	1.21	2.69	ppb
Strontium	88-1	1.30	1.37	1.36	1.34	3.13	ppb
Sulfur	34-1	64.08	26.11	44.76	44.98	42.20	ppb
Terbium	159-1				102		%
Terbium	159-2				100		%
Thallium	203-1	0.11	0.10	0.09	0.10	10.15	ppb
Thallium	205-1	0.12	0.10	0.10	0.11	9.60	ppb
Tin	118-1	0.03	0.03	0.04	0.03	11.99	ppb
Titanium	47-1	0.46	0.44	0.44	0.45	2.67	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	CCB002	Instrumnet Name :	P7
Client Sample ID :	CCB002	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:05:17	DataFile Name :	048CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.04	0.04	0.04	0.04	2.84	ppb
Vanadium	51-2	0.03	0.02	0.02	0.03	33.63	ppb
Yttrium	89-1				98		%
Yttrium	89-2				97		%
Zinc	66-2	0.54	0.44	0.40	0.46	16.00	ppb
Zirconium	90-1	0.05	0.05	0.06	0.05	12.35	ppb
Zirconium	91-1	0.05	0.05	0.05	0.05	2.16	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-18	Instrumnet Name :	P7
Client Sample ID :	MH2GR8	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:08:34	DataFile Name :	049SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	12050.54	11997.76	12049.01	12032.43	0.25	ppb
Antimony	121-1	0.96	0.96	0.96	0.96	0.23	ppb
Arsenic	75-2	19.45	19.99	19.25	19.56	1.97	ppb
Barium	135-1	647.91	637.64	646.20	643.92	0.85	ppb
Barium	137-1	638.26	644.60	647.68	643.51	0.75	ppb
Beryllium	9-1	1.45	1.68	1.57	1.57	7.40	ppb
Bismuth	209-1				106		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	5.73	5.30	5.96	5.66	5.96	ppb
Cadmium	106-1	6.23	6.34	5.59	6.05	6.63	ppb
Cadmium	111-1	6.15	6.05	6.11	6.10	0.82	ppb
Calcium	43-1	162555.87	161992.41	164015.58	162854.62	0.64	ppb
Calcium	44-1	162267.96	160479.99	165370.65	162706.20	1.52	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	18.80	18.71	19.12	18.88	1.13	ppb
Cobalt	59-2	12.38	12.32	12.49	12.40	0.70	ppb
Copper	63-2	92.20	91.57	92.00	91.92	0.35	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				101		%
Indium	115-1				100		%
Indium	115-2				95		%
Iron	56-2	16738.67	16579.97	16575.64	16631.43	0.56	ppb
Iron	57-2	17216.33	17407.93	17267.27	17297.18	0.57	ppb
Iron	54-2	16724.14	16622.29	16583.78	16643.40	0.44	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-18	Instrumnet Name :	P7
Client Sample ID :	MH2GR8	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:08:34	DataFile Name :	049SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	462.71	457.66	463.21	461.20	0.67	ppb
Lead	207-1	452.35	447.84	447.26	449.15	0.62	ppb
Lead	208-1	454.11	452.91	453.69	453.57	0.13	ppb
Lithium	6-1				91		%
Magnesium	24-2	10749.59	10678.27	10896.33	10774.73	1.03	ppb
Manganese	55-2	819.03	810.44	811.90	813.79	0.56	ppb
Molybdenum	94-1	4.16	4.22	4.31	4.23	1.81	ppb
Molybdenum	95-1	0.76	0.74	0.75	0.75	1.26	ppb
Molybdenum	96-1	1.16	1.19	1.17	1.17	1.19	ppb
Molybdenum	97-1	0.76	0.74	0.75	0.75	1.21	ppb
Molybdenum	98-1	0.74	0.73	0.75	0.74	1.46	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	35.73	35.70	36.14	35.86	0.68	ppb
Phosphorus	31-2	3868.50	3850.87	3911.56	3876.98	0.81	ppb
Potassium	39-2	4245.77	4290.39	4270.99	4269.05	0.52	ppb
Rhodium	103-1				95		%
Rhodium	103-2				95		%
Scandium	45-1				95		%
Scandium	45-2				95		%
Selenium	82-1	0.76	0.68	0.78	0.74	6.73	ppb
Selenium	77-2	16.57	16.69	15.80	16.35	2.95	ppb
Selenium	78-2	2.34	2.96	2.48	2.60	12.56	ppb
Silicon	28-1	1235.31	1214.68	1231.03	1227.00	0.89	ppb
Silver	107-1	1.87	1.82	1.82	1.84	1.52	ppb
Silver	109-1	1.87	1.82	1.85	1.85	1.46	ppb
Sodium	23-2	627.64	631.40	635.51	631.52	0.62	ppb
Strontium	86-1	8574.46	8549.89	8531.38	8551.91	0.25	ppb
Strontium	88-1	8462.87	8516.62	8481.70	8487.06	0.32	ppb
Sulfur	34-1	461.29	432.07	493.38	462.24	6.63	ppb
Terbium	159-1				106		%
Terbium	159-2				102		%
Thallium	203-1	0.49	0.46	0.44	0.46	6.01	ppb
Thallium	205-1	0.49	0.47	0.46	0.47	4.11	ppb
Tin	118-1	8.89	8.88	8.94	8.90	0.39	ppb
Titanium	47-1	99.44	98.45	101.39	99.76	1.50	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-18	Instrumnet Name :	P7
Client Sample ID :	MH2GR8	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:08:34	DataFile Name :	049SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	3.34	3.34	3.31	3.33	0.58	ppb
Vanadium	51-2	52.26	52.25	52.23	52.25	0.03	ppb
Yttrium	89-1				112		%
Yttrium	89-2				108		%
Zinc	66-2	487.07	486.05	491.65	488.26	0.61	ppb
Zirconium	90-1	2.00	2.01	2.02	2.01	0.66	ppb
Zirconium	91-1	2.02	2.04	2.07	2.04	1.30	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-19	Instrumnet Name :	P7
Client Sample ID :	MH2GR9	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:11:37	DataFile Name :	050SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	12145.19	12148.95	12313.15	12202.43	0.79	ppb
Antimony	121-1	0.81	0.81	0.84	0.82	2.33	ppb
Arsenic	75-2	18.98	19.34	19.41	19.24	1.21	ppb
Barium	135-1	660.94	672.86	661.12	664.98	1.03	ppb
Barium	137-1	666.57	662.97	656.73	662.09	0.75	ppb
Beryllium	9-1	1.97	1.80	1.88	1.88	4.57	ppb
Bismuth	209-1				108		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	4.36	4.33	4.16	4.28	2.52	ppb
Cadmium	106-1	5.22	4.62	4.29	4.71	9.99	ppb
Cadmium	111-1	4.52	4.40	4.53	4.48	1.63	ppb
Calcium	43-1	188246.06	185682.62	188001.60	187310.09	0.76	ppb
Calcium	44-1	187290.72	185507.26	187492.90	186763.63	0.59	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	14.85	14.81	14.95	14.87	0.48	ppb
Cobalt	59-2	11.73	11.84	11.87	11.81	0.60	ppb
Copper	63-2	77.27	77.01	77.37	77.22	0.24	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				103		%
Indium	115-1				100		%
Indium	115-2				96		%
Iron	56-2	14263.93	14396.14	14362.51	14340.86	0.48	ppb
Iron	57-2	15019.08	15335.53	15322.03	15225.55	1.18	ppb
Iron	54-2	14547.22	14388.66	14457.53	14464.47	0.55	ppb
Krypton	83-1						cps

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-19	Instrumnet Name :	P7
Client Sample ID :	MH2GR9	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:11:37	DataFile Name :	050SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	675.27	680.95	684.78	680.33	0.70	ppb
Lead	207-1	646.44	646.52	651.04	648.00	0.41	ppb
Lead	208-1	660.23	659.39	666.16	661.92	0.56	ppb
Lithium	6-1				92		%
Magnesium	24-2	11081.26	11206.65	11397.67	11228.53	1.42	ppb
Manganese	55-2	951.89	952.05	968.58	957.51	1.00	ppb
Molybdenum	94-1	4.91	4.80	4.94	4.88	1.61	ppb
Molybdenum	95-1	0.78	0.81	0.79	0.79	1.82	ppb
Molybdenum	96-1	1.24	1.24	1.26	1.25	0.95	ppb
Molybdenum	97-1	0.78	0.79	0.77	0.78	1.35	ppb
Molybdenum	98-1	0.80	0.77	0.79	0.79	1.87	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	32.79	32.90	33.29	32.99	0.79	ppb
Phosphorus	31-2	3937.36	3855.03	3974.89	3922.43	1.56	ppb
Potassium	39-2	3579.19	3548.30	3646.66	3591.38	1.40	ppb
Rhodium	103-1				96		%
Rhodium	103-2				95		%
Scandium	45-1				94		%
Scandium	45-2				94		%
Selenium	82-1	1.05	0.65	0.99	0.90	24.10	ppb
Selenium	77-2	13.93	17.13	15.53	15.53	10.31	ppb
Selenium	78-2	2.87	2.88	3.03	2.93	3.00	ppb
Silicon	28-1	1343.53	1307.80	1336.83	1329.39	1.43	ppb
Silver	107-1	2.06	2.05	2.02	2.05	0.92	ppb
Silver	109-1	2.06	2.02	2.04	2.04	0.86	ppb
Sodium	23-2	1411.32	1437.01	1443.17	1430.50	1.18	ppb
Strontium	86-1	10471.87	10211.00	10475.86	10386.24	1.46	ppb
Strontium	88-1	10438.00	10201.23	10277.79	10305.67	1.17	ppb
Sulfur	34-1	631.25	636.68	670.93	646.29	3.33	ppb
Terbium	159-1				106		%
Terbium	159-2				103		%
Thallium	203-1	0.34	0.34	0.36	0.35	2.56	ppb
Thallium	205-1	0.35	0.34	0.35	0.35	1.23	ppb
Tin	118-1	16.83	17.00	16.82	16.88	0.59	ppb
Titanium	47-1	102.45	101.48	103.23	102.39	0.85	ppb

Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-19	Instrumnet Name :	P7
Client Sample ID :	MH2GR9	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:11:37	DataFile Name :	050SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	3.20	3.14	3.23	3.19	1.37	ppb
Vanadium	51-2	51.21	51.29	51.80	51.43	0.62	ppb
Yttrium	89-1				112		%
Yttrium	89-2				108		%
Zinc	66-2	328.08	328.40	330.53	329.00	0.41	ppb
Zirconium	90-1	2.35	2.32	2.42	2.36	2.08	ppb
Zirconium	91-1	2.35	2.36	2.38	2.36	0.51	ppb

Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-20	Instrumnet Name :	P7
Client Sample ID :	MH2GS0	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:14:35	DataFile Name :	051SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10174.28	10024.25	10029.51	10076.01	0.85	ppb
Antimony	121-1	0.84	0.84	0.82	0.83	1.10	ppb
Arsenic	75-2	14.34	14.53	14.31	14.39	0.82	ppb
Barium	135-1	643.09	633.79	629.31	635.40	1.11	ppb
Barium	137-1	639.11	624.80	629.33	631.08	1.16	ppb
Beryllium	9-1	1.54	1.54	1.43	1.50	4.24	ppb
Bismuth	209-1				108		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	10.43	9.65	10.03	10.04	3.88	ppb
Cadmium	106-1	10.81	10.62	10.54	10.66	1.30	ppb
Cadmium	111-1	11.14	11.27	11.12	11.17	0.72	ppb
Calcium	43-1	114946.45	116591.15	117596.24	116377.95	1.15	ppb
Calcium	44-1	114378.76	115713.68	115908.23	115333.56	0.72	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	28.55	28.17	28.07	28.26	0.90	ppb
Cobalt	59-2	10.76	10.67	10.78	10.74	0.56	ppb
Copper	63-2	116.74	115.98	116.11	116.28	0.35	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				102		%
Indium	115-1				101		%
Indium	115-2				94		%
Iron	56-2	13694.11	13450.52	13499.05	13547.89	0.95	ppb
Iron	57-2	14164.88	13902.11	13789.53	13952.17	1.38	ppb
Iron	54-2	13766.64	13438.07	13716.98	13640.56	1.30	ppb
Krypton	83-1						cps

Reviewed By:jaswal
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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-20	Instrumnet Name :	P7
Client Sample ID :	MH2GS0	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:14:35	DataFile Name :	051SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1000.82	996.64	990.19	995.88	0.54	ppb
Lead	207-1	989.51	975.42	970.59	978.51	1.00	ppb
Lead	208-1	984.32	981.36	976.50	980.73	0.40	ppb
Lithium	6-1				93		%
Magnesium	24-2	7404.46	7355.77	7391.46	7383.90	0.34	ppb
Manganese	55-2	1029.50	1021.48	1032.73	1027.90	0.56	ppb
Molybdenum	94-1	4.16	4.26	4.32	4.25	1.89	ppb
Molybdenum	95-1	0.58	0.61	0.60	0.59	2.36	ppb
Molybdenum	96-1	1.01	1.02	1.04	1.02	1.36	ppb
Molybdenum	97-1	0.58	0.59	0.58	0.58	1.31	ppb
Molybdenum	98-1	0.58	0.57	0.58	0.58	1.21	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	23.75	23.38	23.64	23.59	0.79	ppb
Phosphorus	31-2	4753.41	4755.72	4800.47	4769.87	0.56	ppb
Potassium	39-2	3840.63	3809.06	3829.87	3826.52	0.42	ppb
Rhodium	103-1				96		%
Rhodium	103-2				94		%
Scandium	45-1				92		%
Scandium	45-2				92		%
Selenium	82-1	1.26	0.54	1.08	0.96	38.80	ppb
Selenium	77-2	16.35	16.44	17.24	16.68	2.95	ppb
Selenium	78-2	3.15	3.13	3.64	3.31	8.81	ppb
Silicon	28-1	1385.02	1370.39	1404.36	1386.59	1.23	ppb
Silver	107-1	2.74	2.74	2.73	2.74	0.14	ppb
Silver	109-1	2.71	2.72	2.70	2.71	0.41	ppb
Sodium	23-2	334.76	329.58	333.89	332.74	0.83	ppb
Strontium	86-1	8397.57	8687.22	8721.83	8602.21	2.07	ppb
Strontium	88-1	8571.92	8502.49	8557.41	8543.94	0.43	ppb
Sulfur	34-1	565.46	582.26	634.45	594.06	6.06	ppb
Terbium	159-1				107		%
Terbium	159-2				102		%
Thallium	203-1	0.32	0.31	0.31	0.31	1.50	ppb
Thallium	205-1	0.32	0.31	0.32	0.32	1.87	ppb
Tin	118-1	7.12	7.18	7.09	7.13	0.64	ppb
Titanium	47-1	105.61	105.75	106.95	106.10	0.69	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-20	Instrumnet Name :	P7
Client Sample ID :	MH2GS0	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:14:35	DataFile Name :	051SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	3.16	3.13	3.13	3.14	0.46	ppb
Vanadium	51-2	38.86	38.81	38.83	38.83	0.06	ppb
Yttrium	89-1				110		%
Yttrium	89-2				106		%
Zinc	66-2	1138.52	1134.80	1155.35	1142.89	0.96	ppb
Zirconium	90-1	2.10	2.13	2.12	2.11	0.82	ppb
Zirconium	91-1	2.13	2.16	2.16	2.15	0.82	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-21	Instrumnet Name :	P7
Client Sample ID :	MH2GS1	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:17:35	DataFile Name :	052SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9030.01	9144.78	9091.68	9088.82	0.63	ppb
Antimony	121-1	1.04	1.02	1.04	1.03	0.75	ppb
Arsenic	75-2	20.03	19.89	19.75	19.89	0.70	ppb
Barium	135-1	585.03	590.06	592.37	589.15	0.64	ppb
Barium	137-1	590.61	585.79	587.92	588.11	0.41	ppb
Beryllium	9-1	1.50	1.33	1.40	1.41	6.08	ppb
Bismuth	209-1				109		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	9.44	9.81	10.22	9.82	3.97	ppb
Cadmium	106-1	10.42	10.03	9.04	9.83	7.26	ppb
Cadmium	111-1	10.89	10.82	10.71	10.81	0.85	ppb
Calcium	43-1	109941.24	109959.34	108862.31	109587.63	0.57	ppb
Calcium	44-1	110130.36	109604.26	108729.07	109487.90	0.65	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	14.05	14.07	13.95	14.02	0.43	ppb
Cobalt	59-2	9.87	10.02	9.95	9.94	0.77	ppb
Copper	63-2	118.50	118.65	118.06	118.41	0.26	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				102		%
Indium	115-1				100		%
Indium	115-2				94		%
Iron	56-2	11954.80	12115.57	11885.17	11985.18	0.99	ppb
Iron	57-2	12432.34	12670.04	12311.13	12471.17	1.46	ppb
Iron	54-2	12034.88	12021.04	12028.69	12028.20	0.06	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-21	Instrumnet Name :	P7
Client Sample ID :	MH2GS1	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:17:35	DataFile Name :	052SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	948.24	936.89	943.77	942.97	0.61	ppb
Lead	207-1	931.53	934.78	926.97	931.09	0.42	ppb
Lead	208-1	937.66	933.33	934.88	935.29	0.23	ppb
Lithium	6-1				91		%
Magnesium	24-2	6108.29	6054.46	6092.19	6084.98	0.45	ppb
Manganese	55-2	877.36	888.65	872.47	879.49	0.94	ppb
Molybdenum	94-1	3.62	3.65	3.68	3.65	0.82	ppb
Molybdenum	95-1	0.49	0.51	0.50	0.50	1.80	ppb
Molybdenum	96-1	0.88	0.86	0.86	0.86	1.10	ppb
Molybdenum	97-1	0.51	0.51	0.48	0.50	3.22	ppb
Molybdenum	98-1	0.49	0.49	0.49	0.49	0.17	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	19.22	19.16	18.98	19.12	0.66	ppb
Phosphorus	31-2	3558.79	3587.64	3593.20	3579.87	0.52	ppb
Potassium	39-2	3060.33	3030.00	2996.27	3028.86	1.06	ppb
Rhodium	103-1				96		%
Rhodium	103-2				95		%
Scandium	45-1				92		%
Scandium	45-2				92		%
Selenium	82-1	0.73	0.54	0.54	0.60	17.47	ppb
Selenium	77-2	16.49	14.83	14.81	15.38	6.28	ppb
Selenium	78-2	2.23	1.79	3.16	2.39	29.19	ppb
Silicon	28-1	1152.68	1159.46	1134.94	1149.03	1.10	ppb
Silver	107-1	2.52	2.52	2.53	2.52	0.29	ppb
Silver	109-1	2.52	2.53	2.49	2.51	0.83	ppb
Sodium	23-2	344.52	341.21	343.48	343.07	0.49	ppb
Strontium	86-1	7899.12	7958.53	7888.69	7915.45	0.48	ppb
Strontium	88-1	7842.41	7860.05	7912.00	7871.49	0.46	ppb
Sulfur	34-1	483.42	504.16	476.65	488.08	2.94	ppb
Terbium	159-1				107		%
Terbium	159-2				102		%
Thallium	203-1	0.32	0.31	0.32	0.32	2.57	ppb
Thallium	205-1	0.32	0.31	0.31	0.31	2.10	ppb
Tin	118-1	8.15	8.11	8.05	8.10	0.64	ppb
Titanium	47-1	93.62	93.52	92.69	93.27	0.55	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-21	Instrumnet Name :	P7
Client Sample ID :	MH2GS1	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:17:35	DataFile Name :	052SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	3.02	3.00	3.06	3.02	0.96	ppb
Vanadium	51-2	38.64	38.90	38.66	38.74	0.37	ppb
Yttrium	89-1				109		%
Yttrium	89-2				105		%
Zinc	66-2	926.37	913.15	908.66	916.06	1.00	ppb
Zirconium	90-1	1.81	1.82	1.81	1.81	0.25	ppb
Zirconium	91-1	1.83	1.84	1.78	1.82	1.77	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-22	Instrumnet Name :	P7
Client Sample ID :	MH2GS2	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:20:33	DataFile Name :	053SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10243.30	10138.30	10099.83	10160.48	0.73	ppb
Antimony	121-1	0.92	0.96	0.96	0.94	2.35	ppb
Arsenic	75-2	22.79	23.07	22.30	22.72	1.72	ppb
Barium	135-1	566.65	576.64	587.70	577.00	1.82	ppb
Barium	137-1	568.12	581.08	580.82	576.68	1.28	ppb
Beryllium	9-1	1.38	1.38	1.31	1.36	3.09	ppb
Bismuth	209-1				109		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	6.94	6.53	6.95	6.80	3.53	ppb
Cadmium	106-1	7.06	6.82	7.45	7.11	4.44	ppb
Cadmium	111-1	7.34	7.65	7.64	7.54	2.37	ppb
Calcium	43-1	155842.55	156752.22	160479.99	157691.59	1.56	ppb
Calcium	44-1	156159.76	157510.88	160469.75	158046.79	1.39	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	17.12	17.52	17.04	17.23	1.50	ppb
Cobalt	59-2	10.89	10.89	10.77	10.85	0.62	ppb
Copper	63-2	90.50	90.57	89.56	90.21	0.62	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				109		%
Holmium	165-2				102		%
Indium	115-1				101		%
Indium	115-2				93		%
Iron	56-2	13574.21	13493.51	13376.22	13481.31	0.74	ppb
Iron	57-2	14098.40	14308.19	14061.34	14155.97	0.94	ppb
Iron	54-2	13488.57	13438.54	13349.20	13425.44	0.53	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-22	Instrumnet Name :	P7
Client Sample ID :	MH2GS2	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:20:33	DataFile Name :	053SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	559.46	572.43	567.87	566.59	1.16	ppb
Lead	207-1	547.04	555.81	551.67	551.51	0.79	ppb
Lead	208-1	553.21	564.85	559.28	559.11	1.04	ppb
Lithium	6-1				93		%
Magnesium	24-2	7106.54	7122.93	7047.09	7092.19	0.56	ppb
Manganese	55-2	680.20	676.44	667.10	674.58	1.00	ppb
Molybdenum	94-1	3.44	3.61	3.57	3.54	2.51	ppb
Molybdenum	95-1	0.68	0.70	0.70	0.69	1.50	ppb
Molybdenum	96-1	1.04	1.09	1.06	1.06	2.09	ppb
Molybdenum	97-1	0.66	0.71	0.68	0.68	3.03	ppb
Molybdenum	98-1	0.69	0.72	0.70	0.70	2.06	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	25.63	25.48	25.44	25.52	0.39	ppb
Phosphorus	31-2	2995.83	3021.08	2956.36	2991.09	1.09	ppb
Potassium	39-2	2754.03	2743.51	2752.37	2749.97	0.21	ppb
Rhodium	103-1				96		%
Rhodium	103-2				94		%
Scandium	45-1				92		%
Scandium	45-2				92		%
Selenium	82-1	0.69	0.96	0.70	0.78	19.45	ppb
Selenium	77-2	16.60	15.04	16.83	16.16	6.04	ppb
Selenium	78-2	3.49	2.49	2.70	2.89	18.26	ppb
Silicon	28-1	1100.16	1108.44	1128.14	1112.25	1.29	ppb
Silver	107-1	1.56	1.64	1.61	1.60	2.68	ppb
Silver	109-1	1.57	1.64	1.61	1.60	2.18	ppb
Sodium	23-2	336.77	337.32	330.15	334.75	1.19	ppb
Strontium	86-1	8957.81	9074.51	9070.28	9034.20	0.73	ppb
Strontium	88-1	8893.94	8961.15	8954.67	8936.59	0.41	ppb
Sulfur	34-1	417.23	465.57	497.20	460.00	8.76	ppb
Terbium	159-1				107		%
Terbium	159-2				101		%
Thallium	203-1	0.39	0.41	0.40	0.40	2.36	ppb
Thallium	205-1	0.38	0.39	0.40	0.39	2.28	ppb
Tin	118-1	5.49	5.63	5.64	5.59	1.45	ppb
Titanium	47-1	82.55	85.26	85.37	84.39	1.89	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-22	Instrumnet Name :	P7
Client Sample ID :	MH2GS2	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:20:33	DataFile Name :	053SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	4.36	4.50	4.44	4.43	1.52	ppb
Vanadium	51-2	46.21	46.39	45.53	46.04	0.99	ppb
Yttrium	89-1				110		%
Yttrium	89-2				105		%
Zinc	66-2	542.14	544.69	538.46	541.76	0.58	ppb
Zirconium	90-1	1.66	1.67	1.67	1.67	0.54	ppb
Zirconium	91-1	1.62	1.68	1.70	1.67	2.33	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-01	Instrumnet Name :	P7
Client Sample ID :	MH2GQ3	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:23:35	DataFile Name :	054SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	11328.29	11196.61	11253.74	11259.55	0.59	ppb
Antimony	121-1	1.53	1.56	1.54	1.54	0.92	ppb
Arsenic	75-2	21.97	21.77	21.46	21.73	1.19	ppb
Barium	135-1	810.44	815.22	814.71	813.46	0.32	ppb
Barium	137-1	810.16	810.02	803.80	807.99	0.45	ppb
Beryllium	9-1	1.88	1.83	1.74	1.82	3.84	ppb
Bismuth	209-1				108		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	10.20	10.54	10.40	10.38	1.66	ppb
Cadmium	106-1	10.59	11.47	10.52	10.86	4.86	ppb
Cadmium	111-1	11.39	11.86	11.59	11.61	2.01	ppb
Calcium	43-1	152051.42	159578.05	156268.41	155965.96	2.42	ppb
Calcium	44-1	150518.29	158618.10	154601.74	154579.38	2.62	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	18.13	18.05	18.18	18.12	0.36	ppb
Cobalt	59-2	12.38	12.34	12.37	12.36	0.18	ppb
Copper	63-2	162.63	158.91	160.35	160.63	1.17	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				101		%
Indium	115-1				100		%
Indium	115-2				94		%
Iron	56-2	14332.91	14316.77	14380.47	14343.38	0.23	ppb
Iron	57-2	15122.04	14987.23	14896.25	15001.84	0.76	ppb
Iron	54-2	14306.07	14320.77	14349.63	14325.49	0.15	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-01	Instrumnet Name :	P7
Client Sample ID :	MH2GQ3	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:23:35	DataFile Name :	054SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1194.84	1197.08	1206.34	1199.42	0.51	ppb
Lead	207-1	1146.71	1173.96	1164.85	1161.84	1.19	ppb
Lead	208-1	1168.62	1180.70	1183.64	1177.65	0.68	ppb
Lithium	6-1				92		%
Magnesium	24-2	6785.39	6598.26	6768.85	6717.50	1.54	ppb
Manganese	55-2	1070.06	1058.14	1069.82	1066.00	0.64	ppb
Molybdenum	94-1	4.85	4.96	4.97	4.93	1.28	ppb
Molybdenum	95-1	0.70	0.73	0.72	0.72	2.04	ppb
Molybdenum	96-1	1.19	1.21	1.22	1.21	1.14	ppb
Molybdenum	97-1	0.66	0.71	0.69	0.69	3.27	ppb
Molybdenum	98-1	0.70	0.69	0.71	0.70	1.27	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	22.97	22.81	22.79	22.86	0.43	ppb
Phosphorus	31-2	5797.47	5720.00	5761.26	5759.58	0.67	ppb
Potassium	39-2	5365.76	5245.15	5284.92	5298.61	1.16	ppb
Rhodium	103-1				94		%
Rhodium	103-2				94		%
Scandium	45-1				92		%
Scandium	45-2				91		%
Selenium	82-1	0.89	0.99	0.86	0.91	7.85	ppb
Selenium	77-2	17.75	19.22	16.59	17.85	7.37	ppb
Selenium	78-2	3.43	3.05	3.71	3.40	9.75	ppb
Silicon	28-1	1127.91	1162.48	1150.99	1147.13	1.53	ppb
Silver	107-1	3.02	3.08	3.05	3.05	1.03	ppb
Silver	109-1	2.99	3.12	3.03	3.04	2.12	ppb
Sodium	23-2	464.91	458.84	462.59	462.11	0.66	ppb
Strontium	86-1	11143.91	11464.57	11093.19	11233.89	1.79	ppb
Strontium	88-1	11144.01	11321.04	11282.48	11249.17	0.83	ppb
Sulfur	34-1	610.31	712.83	691.92	671.69	8.07	ppb
Terbium	159-1				107		%
Terbium	159-2				101		%
Thallium	203-1	0.36	0.37	0.36	0.36	2.16	ppb
Thallium	205-1	0.36	0.37	0.37	0.37	0.77	ppb
Tin	118-1	15.21	15.68	15.50	15.46	1.55	ppb
Titanium	47-1	111.18	115.99	115.02	114.06	2.23	ppb

Reviewed By:jaswal
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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-01	Instrumnet Name :	P7
Client Sample ID :	MH2GQ3	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:23:35	DataFile Name :	054SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	3.86	3.93	3.95	3.91	1.24	ppb
Vanadium	51-2	47.80	47.51	47.66	47.66	0.30	ppb
Yttrium	89-1				111		%
Yttrium	89-2				105		%
Zinc	66-2	1148.18	1108.68	1121.83	1126.23	1.79	ppb
Zirconium	90-1	2.37	2.46	2.46	2.43	2.16	ppb
Zirconium	91-1	2.41	2.44	2.49	2.45	1.60	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-02	Instrumnet Name :	P7
Client Sample ID :	MH2GQ3D	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:26:34	DataFile Name :	055SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	11322.69	11283.54	11238.67	11281.63	0.37	ppb
Antimony	121-1	1.56	1.56	1.53	1.55	1.01	ppb
Arsenic	75-2	21.43	21.07	21.67	21.39	1.41	ppb
Barium	135-1	825.25	827.66	811.62	821.51	1.05	ppb
Barium	137-1	812.53	822.46	807.53	814.17	0.93	ppb
Beryllium	9-1	1.85	1.88	1.83	1.85	1.32	ppb
Bismuth	209-1				108		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	11.08	10.77	10.70	10.85	1.88	ppb
Cadmium	106-1	11.20	11.25	10.35	10.93	4.64	ppb
Cadmium	111-1	11.43	11.75	11.49	11.56	1.48	ppb
Calcium	43-1	157373.74	157465.09	158250.37	157696.40	0.31	ppb
Calcium	44-1	157560.35	156347.99	158151.81	157353.38	0.58	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	18.14	18.07	17.95	18.05	0.55	ppb
Cobalt	59-2	12.36	12.34	12.29	12.33	0.31	ppb
Copper	63-2	165.12	162.63	163.21	163.65	0.80	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				101		%
Indium	115-1				99		%
Indium	115-2				92		%
Iron	56-2	14197.31	14261.60	14240.95	14233.29	0.23	ppb
Iron	57-2	15014.24	14840.45	14920.28	14924.99	0.58	ppb
Iron	54-2	14557.90	14172.71	14233.20	14321.27	1.45	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-02	Instrumnet Name :	P7
Client Sample ID :	MH2GQ3D	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:26:34	DataFile Name :	055SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1226.29	1214.23	1204.58	1215.03	0.90	ppb
Lead	207-1	1185.08	1187.31	1173.98	1182.13	0.60	ppb
Lead	208-1	1195.61	1198.75	1186.73	1193.70	0.52	ppb
Lithium	6-1				92		%
Magnesium	24-2	6777.67	6756.44	6745.68	6759.93	0.24	ppb
Manganese	55-2	1071.59	1060.48	1056.25	1062.77	0.75	ppb
Molybdenum	94-1	4.94	4.98	4.98	4.96	0.49	ppb
Molybdenum	95-1	0.71	0.71	0.73	0.72	1.48	ppb
Molybdenum	96-1	1.22	1.21	1.23	1.22	0.75	ppb
Molybdenum	97-1	0.70	0.71	0.71	0.71	1.45	ppb
Molybdenum	98-1	0.71	0.71	0.71	0.71	0.30	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	23.19	23.14	23.03	23.12	0.36	ppb
Phosphorus	31-2	5792.84	5758.94	5735.43	5762.40	0.50	ppb
Potassium	39-2	5354.82	5341.27	5232.43	5309.51	1.26	ppb
Rhodium	103-1				94		%
Rhodium	103-2				93		%
Scandium	45-1				92		%
Scandium	45-2				91		%
Selenium	82-1	0.98	1.10	1.08	1.05	6.18	ppb
Selenium	77-2	15.21	18.34	16.68	16.74	9.36	ppb
Selenium	78-2	3.32	3.52	3.49	3.44	3.22	ppb
Silicon	28-1	1181.02	1181.57	1187.47	1183.35	0.30	ppb
Silver	107-1	3.10	3.07	3.07	3.08	0.58	ppb
Silver	109-1	3.07	3.09	3.09	3.08	0.35	ppb
Sodium	23-2	462.00	466.60	464.08	464.23	0.50	ppb
Strontium	86-1	11365.54	11450.39	11475.42	11430.45	0.50	ppb
Strontium	88-1	11380.00	11480.56	11398.93	11419.83	0.47	ppb
Sulfur	34-1	697.50	706.34	697.67	700.50	0.72	ppb
Terbium	159-1				107		%
Terbium	159-2				100		%
Thallium	203-1	0.37	0.36	0.37	0.37	1.65	ppb
Thallium	205-1	0.36	0.36	0.37	0.37	0.82	ppb
Tin	118-1	15.63	15.89	15.86	15.80	0.92	ppb
Titanium	47-1	115.17	115.27	114.85	115.09	0.19	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-02	Instrumnet Name :	P7
Client Sample ID :	MH2GQ3D	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:26:34	DataFile Name :	055SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	3.95	3.96	3.89	3.93	1.02	ppb
Vanadium	51-2	47.39	47.98	47.88	47.75	0.67	ppb
Yttrium	89-1				110		%
Yttrium	89-2				105		%
Zinc	66-2	1146.64	1120.69	1109.61	1125.65	1.69	ppb
Zirconium	90-1	2.43	2.48	2.48	2.46	1.24	ppb
Zirconium	91-1	2.45	2.47	2.49	2.47	0.96	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-01LX5	Instrumnet Name :	P7
Client Sample ID :	MH2GQ3L	Dilution Factor :	5
Date & Time Acquired :	2024-11-27 19:29:34	DataFile Name :	056SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2288.70	2278.72	2207.74	2258.39	1.95	ppb
Antimony	121-1	0.31	0.32	0.31	0.31	1.56	ppb
Arsenic	75-2	4.94	4.94	4.66	4.85	3.34	ppb
Barium	135-1	158.63	159.80	158.91	159.11	0.38	ppb
Barium	137-1	161.30	161.61	161.29	161.40	0.11	ppb
Beryllium	9-1	0.37	0.31	0.37	0.35	9.81	ppb
Bismuth	209-1				105		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.13	2.26	2.27	2.22	3.60	ppb
Cadmium	106-1	2.06	1.95	1.60	1.87	12.88	ppb
Cadmium	111-1	2.27	2.31	2.22	2.27	1.97	ppb
Calcium	43-1	30649.54	30808.67	30855.65	30771.29	0.35	ppb
Calcium	44-1	30345.97	30581.01	30869.43	30598.80	0.86	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3.72	3.73	3.52	3.66	3.18	ppb
Cobalt	59-2	2.57	2.51	2.45	2.51	2.48	ppb
Copper	63-2	34.35	33.75	32.71	33.60	2.46	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				98		%
Indium	115-1				98		%
Indium	115-2				92		%
Iron	56-2	2935.26	2899.87	2820.07	2885.07	2.05	ppb
Iron	57-2	3149.31	3139.79	3052.63	3113.91	1.71	ppb
Iron	54-2	3068.41	3046.94	2968.09	3027.81	1.74	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-01LX5	Instrumnet Name :	P7
Client Sample ID :	MH2GQ3L	Dilution Factor :	5
Date & Time Acquired :	2024-11-27 19:29:34	DataFile Name :	056SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	235.26	235.03	235.08	235.12	0.05	ppb
Lead	207-1	232.23	228.86	228.57	229.88	0.88	ppb
Lead	208-1	229.78	232.17	229.57	230.51	0.63	ppb
Lithium	6-1				89		%
Magnesium	24-2	1349.82	1332.06	1291.82	1324.57	2.24	ppb
Manganese	55-2	221.52	215.04	210.83	215.80	2.49	ppb
Molybdenum	94-1	1.06	0.99	0.99	1.01	4.09	ppb
Molybdenum	95-1	0.15	0.15	0.15	0.15	0.76	ppb
Molybdenum	96-1	0.27	0.24	0.26	0.26	4.38	ppb
Molybdenum	97-1	0.16	0.16	0.14	0.15	5.28	ppb
Molybdenum	98-1	0.16	0.15	0.15	0.16	1.78	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	5.27	5.08	5.00	5.11	2.74	ppb
Phosphorus	31-2	1169.81	1135.13	1136.37	1147.10	1.72	ppb
Potassium	39-2	1145.70	1134.06	1101.89	1127.21	2.01	ppb
Rhodium	103-1				95		%
Rhodium	103-2				92		%
Scandium	45-1				90		%
Scandium	45-2				88		%
Selenium	82-1	-0.26	0.14	-0.36	-0.16		ppb
Selenium	77-2	3.98	3.92	2.96	3.62	15.78	ppb
Selenium	78-2	0.22	0.68	0.08	0.33	95.40	ppb
Silicon	28-1	226.38	229.15	227.57	227.70	0.61	ppb
Silver	107-1	0.61	0.62	0.61	0.62	0.51	ppb
Silver	109-1	0.60	0.61	0.61	0.60	1.34	ppb
Sodium	23-2	113.37	111.13	107.65	110.72	2.60	ppb
Strontium	86-1	2412.38	2397.25	2425.63	2411.76	0.59	ppb
Strontium	88-1	2402.95	2396.38	2427.45	2408.92	0.68	ppb
Sulfur	34-1	189.54	294.08	272.61	252.08	21.90	ppb
Terbium	159-1				103		%
Terbium	159-2				97		%
Thallium	203-1	0.07	0.07	0.07	0.07	2.72	ppb
Thallium	205-1	0.08	0.08	0.07	0.08	2.40	ppb
Tin	118-1	2.97	3.00	2.95	2.97	0.83	ppb
Titanium	47-1	21.99	22.50	22.50	22.33	1.32	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-01LX5	Instrumnet Name :	P7
Client Sample ID :	MH2GQ3L	Dilution Factor :	5
Date & Time Acquired :	2024-11-27 19:29:34	DataFile Name :	056SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.74	0.76	0.75	0.75	1.00	ppb
Vanadium	51-2	9.70	9.60	9.36	9.55	1.79	ppb
Yttrium	89-1				99		%
Yttrium	89-2				93		%
Zinc	66-2	237.23	231.21	227.30	231.91	2.16	ppb
Zirconium	90-1	0.50	0.50	0.49	0.50	1.12	ppb
Zirconium	91-1	0.50	0.47	0.51	0.49	4.42	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-03	Instrumnet Name :	P7
Client Sample ID :	MH2GQ3S	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:32:41	DataFile Name :	057SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	11817.94	11854.46	11628.88	11767.09	1.03	ppb
Antimony	121-1	20.69	20.98	21.17	20.94	1.16	ppb
Arsenic	75-2	28.56	28.46	28.96	28.66	0.92	ppb
Barium	135-1	1190.01	1201.75	1192.47	1194.74	0.52	ppb
Barium	137-1	1193.47	1210.00	1210.42	1204.63	0.80	ppb
Beryllium	9-1	11.90	11.66	11.74	11.76	1.06	ppb
Bismuth	209-1				105		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	18.93	19.81	19.15	19.30	2.39	ppb
Cadmium	106-1	19.26	19.42	19.36	19.35	0.43	ppb
Cadmium	111-1	21.31	21.28	21.21	21.26	0.22	ppb
Calcium	43-1	156281.66	157103.44	155722.23	156369.11	0.44	ppb
Calcium	44-1	155176.20	155761.76	155758.92	155565.63	0.22	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	57.11	57.71	56.59	57.14	0.98	ppb
Cobalt	59-2	110.71	107.14	107.69	108.51	1.77	ppb
Copper	63-2	207.79	207.72	207.30	207.60	0.13	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				100		%
Indium	115-1				98		%
Indium	115-2				92		%
Iron	56-2	14615.47	14638.62	14538.08	14597.39	0.36	ppb
Iron	57-2	15544.83	15442.93	15270.17	15419.31	0.90	ppb
Iron	54-2	14789.49	14892.95	14682.90	14788.45	0.71	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-03	Instrumnet Name :	P7
Client Sample ID :	MH2GQ3S	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:32:41	DataFile Name :	057SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1192.52	1216.59	1220.72	1209.95	1.26	ppb
Lead	207-1	1160.64	1185.23	1185.27	1177.05	1.21	ppb
Lead	208-1	1175.10	1194.35	1190.82	1186.76	0.86	ppb
Lithium	6-1				90		%
Magnesium	24-2	6859.25	6821.02	6826.32	6835.53	0.30	ppb
Manganese	55-2	1154.67	1166.95	1156.12	1159.25	0.58	ppb
Molybdenum	94-1	4.92	4.95	4.95	4.94	0.31	ppb
Molybdenum	95-1	0.71	0.72	0.72	0.72	1.03	ppb
Molybdenum	96-1	1.17	1.22	1.22	1.20	2.53	ppb
Molybdenum	97-1	0.71	0.71	0.70	0.71	1.02	ppb
Molybdenum	98-1	0.67	0.71	0.70	0.69	3.03	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	120.28	120.60	119.68	120.19	0.39	ppb
Phosphorus	31-2	5738.30	5777.23	5663.06	5726.20	1.01	ppb
Potassium	39-2	5368.34	5430.74	5404.77	5401.28	0.58	ppb
Rhodium	103-1				93		%
Rhodium	103-2				92		%
Scandium	45-1				91		%
Scandium	45-2				90		%
Selenium	82-1	18.53	18.82	18.99	18.78	1.22	ppb
Selenium	77-2	33.20	33.63	34.88	33.90	2.58	ppb
Selenium	78-2	21.35	21.99	21.00	21.45	2.32	ppb
Silicon	28-1	1220.93	1218.04	1224.98	1221.32	0.29	ppb
Silver	107-1	12.33	12.64	12.46	12.48	1.24	ppb
Silver	109-1	12.33	12.43	12.46	12.41	0.57	ppb
Sodium	23-2	460.95	462.29	457.98	460.40	0.48	ppb
Strontium	86-1	11194.27	11495.66	11303.13	11331.02	1.35	ppb
Strontium	88-1	11193.59	11347.68	11428.20	11323.16	1.05	ppb
Sulfur	34-1	721.92	702.93	706.76	710.53	1.41	ppb
Terbium	159-1				104		%
Terbium	159-2				99		%
Thallium	203-1	9.62	9.70	9.64	9.65	0.43	ppb
Thallium	205-1	9.47	9.72	9.72	9.64	1.50	ppb
Tin	118-1	15.32	15.70	15.38	15.47	1.31	ppb
Titanium	47-1	116.16	117.51	117.05	116.91	0.59	ppb

Reviewed By:jaswal
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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-03	Instrumnet Name :	P7
Client Sample ID :	MH2GQ3S	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:32:41	DataFile Name :	057SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	3.90	3.99	3.98	3.96	1.31	ppb
Vanadium	51-2	142.80	144.03	142.24	143.02	0.64	ppb
Yttrium	89-1				108		%
Yttrium	89-2				104		%
Zinc	66-2	1237.82	1215.73	1230.52	1228.02	0.92	ppb
Zirconium	90-1	2.39	2.48	2.44	2.43	1.84	ppb
Zirconium	91-1	2.33	2.48	2.45	2.42	3.26	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-04	Instrumnet Name :	P7
Client Sample ID :	MH2GS3	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:35:40	DataFile Name :	058SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	12169.48	12148.53	12247.52	12188.51	0.43	ppb
Antimony	121-1	0.68	0.71	0.69	0.69	1.55	ppb
Arsenic	75-2	17.71	17.40	17.22	17.44	1.43	ppb
Barium	135-1	771.83	799.59	806.18	792.53	2.30	ppb
Barium	137-1	764.83	791.97	798.16	784.99	2.26	ppb
Beryllium	9-1	1.46	1.50	1.53	1.49	2.14	ppb
Bismuth	209-1				106		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	5.21	5.47	5.59	5.43	3.56	ppb
Cadmium	106-1	6.05	5.84	6.49	6.12	5.47	ppb
Cadmium	111-1	5.83	6.14	6.14	6.04	2.91	ppb
Calcium	43-1	215521.62	222068.23	224261.16	220617.00	2.06	ppb
Calcium	44-1	214443.23	219726.40	222411.87	218860.50	1.85	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	15.72	15.81	15.90	15.81	0.57	ppb
Cobalt	59-2	13.14	13.09	13.04	13.09	0.38	ppb
Copper	63-2	73.83	73.23	73.38	73.48	0.42	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				100		%
Indium	115-1				99		%
Indium	115-2				92		%
Iron	56-2	17359.74	17418.89	17412.87	17397.17	0.19	ppb
Iron	57-2	18508.45	18274.61	18502.82	18428.62	0.72	ppb
Iron	54-2	17503.00	17491.79	17496.81	17497.20	0.03	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-04	Instrumnet Name :	P7
Client Sample ID :	MH2GS3	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:35:40	DataFile Name :	058SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	355.81	368.93	365.59	363.44	1.88	ppb
Lead	207-1	348.86	358.26	362.63	356.58	1.97	ppb
Lead	208-1	351.38	362.99	363.46	359.28	1.91	ppb
Lithium	6-1				87		%
Magnesium	24-2	8909.61	8967.53	8935.24	8937.46	0.32	ppb
Manganese	55-2	690.33	681.77	683.97	685.36	0.65	ppb
Molybdenum	94-1	4.36	4.58	4.46	4.47	2.49	ppb
Molybdenum	95-1	1.10	1.13	1.13	1.12	1.84	ppb
Molybdenum	96-1	1.49	1.57	1.54	1.53	2.43	ppb
Molybdenum	97-1	1.04	1.14	1.12	1.10	4.93	ppb
Molybdenum	98-1	1.08	1.13	1.12	1.11	2.23	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	31.74	31.84	31.82	31.80	0.17	ppb
Phosphorus	31-2	3037.12	3062.78	3017.92	3039.27	0.74	ppb
Potassium	39-2	2653.52	2629.54	2696.36	2659.81	1.27	ppb
Rhodium	103-1				93		%
Rhodium	103-2				91		%
Scandium	45-1				91		%
Scandium	45-2				91		%
Selenium	82-1	0.66	0.63	0.57	0.62	7.52	ppb
Selenium	77-2	19.19	20.72	18.23	19.38	6.48	ppb
Selenium	78-2	3.18	3.90	3.64	3.57	10.11	ppb
Silicon	28-1	1049.88	1083.64	1094.52	1076.01	2.16	ppb
Silver	107-1	1.14	1.19	1.18	1.17	2.23	ppb
Silver	109-1	1.17	1.19	1.20	1.19	1.66	ppb
Sodium	23-2	440.80	438.89	441.48	440.39	0.30	ppb
Strontium	86-1	12110.06	12529.83	12447.13	12362.34	1.80	ppb
Strontium	88-1	12081.23	12597.73	12373.91	12350.96	2.10	ppb
Sulfur	34-1	535.11	639.40	666.42	613.64	11.30	ppb
Terbium	159-1				106		%
Terbium	159-2				100		%
Thallium	203-1	0.44	0.46	0.46	0.45	2.99	ppb
Thallium	205-1	0.44	0.46	0.46	0.45	3.11	ppb
Tin	118-1	4.71	4.92	4.91	4.85	2.46	ppb
Titanium	47-1	98.47	101.77	101.94	100.73	1.94	ppb

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-04	Instrumnet Name :	P7
Client Sample ID :	MH2GS3	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:35:40	DataFile Name :	058SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	5.29	5.50	5.56	5.45	2.66	ppb
Vanadium	51-2	67.40	66.98	67.47	67.29	0.39	ppb
Yttrium	89-1				110		%
Yttrium	89-2				105		%
Zinc	66-2	399.99	400.73	399.02	399.91	0.21	ppb
Zirconium	90-1	1.91	1.98	1.97	1.96	1.92	ppb
Zirconium	91-1	1.88	2.01	2.03	1.97	4.08	ppb

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-05	Instrumnet Name :	P7
Client Sample ID :	MH2GS4	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:38:41	DataFile Name :	059SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10226.16	10084.25	10194.93	10168.45	0.73	ppb
Antimony	121-1	1.06	1.12	1.12	1.10	2.87	ppb
Arsenic	75-2	12.84	12.57	12.92	12.77	1.45	ppb
Barium	135-1	546.92	550.54	556.62	551.36	0.89	ppb
Barium	137-1	544.42	540.57	545.61	543.53	0.49	ppb
Beryllium	9-1	1.52	1.38	1.40	1.43	5.41	ppb
Bismuth	209-1				107		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	8.83	8.79	8.88	8.83	0.49	ppb
Cadmium	106-1	9.08	8.71	8.77	8.85	2.21	ppb
Cadmium	111-1	8.58	8.57	8.71	8.62	0.88	ppb
Calcium	43-1	97573.55	96005.25	96378.35	96652.39	0.85	ppb
Calcium	44-1	96219.75	96539.69	96021.40	96260.28	0.27	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	26.26	26.10	26.44	26.27	0.65	ppb
Cobalt	59-2	9.72	10.35	9.81	9.96	3.43	ppb
Copper	63-2	105.33	108.39	106.63	106.78	1.44	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				106		%
Holmium	165-2				103		%
Indium	115-1				99		%
Indium	115-2				94		%
Iron	56-2	16923.96	16736.31	17040.44	16900.24	0.91	ppb
Iron	57-2	17223.11	17021.40	17164.86	17136.46	0.61	ppb
Iron	54-2	17141.92	16699.45	17205.61	17015.66	1.62	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-05	Instrumnet Name :	P7
Client Sample ID :	MH2GS4	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:38:41	DataFile Name :	059SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	722.51	719.50	718.88	720.30	0.27	ppb
Lead	207-1	700.33	700.79	695.66	698.93	0.41	ppb
Lead	208-1	705.37	709.55	708.37	707.76	0.30	ppb
Lithium	6-1				87		%
Magnesium	24-2	8127.70	8588.71	8157.07	8291.16	3.11	ppb
Manganese	55-2	1135.19	1117.75	1149.98	1134.31	1.42	ppb
Molybdenum	94-1	5.57	5.63	5.70	5.63	1.10	ppb
Molybdenum	95-1	0.97	0.95	0.92	0.95	2.67	ppb
Molybdenum	96-1	1.51	1.52	1.51	1.51	0.42	ppb
Molybdenum	97-1	0.98	0.96	0.94	0.96	2.06	ppb
Molybdenum	98-1	0.97	0.94	0.94	0.95	1.43	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	18.90	19.36	18.89	19.05	1.40	ppb
Phosphorus	31-2	4297.44	4232.66	4368.22	4299.44	1.58	ppb
Potassium	39-2	4165.47	4183.03	4171.06	4173.19	0.21	ppb
Rhodium	103-1				95		%
Rhodium	103-2				94		%
Scandium	45-1				89		%
Scandium	45-2				92		%
Selenium	82-1	0.77	0.94	0.47	0.72	32.98	ppb
Selenium	77-2	14.65	14.46	13.63	14.25	3.80	ppb
Selenium	78-2	3.16	3.61	3.85	3.54	9.87	ppb
Silicon	28-1	1322.19	1307.39	1299.08	1309.55	0.89	ppb
Silver	107-1	1.90	1.88	1.92	1.90	1.03	ppb
Silver	109-1	1.89	1.85	1.91	1.88	1.62	ppb
Sodium	23-2	416.69	694.39	434.86	515.32	30.15	ppb
Strontium	86-1	8578.01	8488.43	8485.77	8517.40	0.62	ppb
Strontium	88-1	8524.09	8467.05	8413.31	8468.15	0.65	ppb
Sulfur	34-1	936.65	875.64	873.26	895.18	4.01	ppb
Terbium	159-1				105		%
Terbium	159-2				102		%
Thallium	203-1	0.30	0.31	0.31	0.31	0.88	ppb
Thallium	205-1	0.31	0.32	0.31	0.32	2.29	ppb
Tin	118-1	12.90	13.11	13.11	13.04	0.92	ppb
Titanium	47-1	180.21	177.30	179.41	178.97	0.84	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-05	Instrumnet Name :	P7
Client Sample ID :	MH2GS4	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:38:41	DataFile Name :	059SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	2.45	2.52	2.48	2.48	1.25	ppb
Vanadium	51-2	38.34	38.73	38.70	38.59	0.56	ppb
Yttrium	89-1				107		%
Yttrium	89-2				104		%
Zinc	66-2	1560.11	1514.81	1532.07	1535.66	1.49	ppb
Zirconium	90-1	2.68	2.68	2.68	2.68	0.08	ppb
Zirconium	91-1	2.71	2.75	2.72	2.73	0.78	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-06	Instrumnet Name :	P7
Client Sample ID :	MH2GS5	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:41:42	DataFile Name :	060SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9115.63	9256.63	9333.64	9235.30	1.20	ppb
Antimony	121-1	1.11	1.13	1.13	1.12	1.32	ppb
Arsenic	75-2	25.69	25.93	25.14	25.58	1.59	ppb
Barium	135-1	500.74	500.97	495.87	499.19	0.58	ppb
Barium	137-1	504.61	498.36	492.53	498.50	1.21	ppb
Beryllium	9-1	1.37	1.37	1.37	1.37	0.26	ppb
Bismuth	209-1				108		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	9.71	9.74	10.41	9.96	3.98	ppb
Cadmium	106-1	10.73	10.30	9.59	10.21	5.63	ppb
Cadmium	111-1	10.99	11.05	10.76	10.93	1.41	ppb
Calcium	43-1	104549.40	105053.77	105634.82	105079.33	0.52	ppb
Calcium	44-1	104821.83	105355.77	105375.64	105184.42	0.30	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	13.80	14.18	14.10	14.03	1.43	ppb
Cobalt	59-2	10.27	10.34	10.44	10.35	0.81	ppb
Copper	63-2	146.51	145.25	146.93	146.23	0.60	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				103		%
Indium	115-1				101		%
Indium	115-2				95		%
Iron	56-2	13796.81	13916.29	13866.41	13859.84	0.43	ppb
Iron	57-2	14182.62	14260.58	14365.95	14269.72	0.64	ppb
Iron	54-2	13873.88	14096.22	14103.30	14024.47	0.93	ppb
Krypton	83-1						cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-06	Instrumnet Name :	P7
Client Sample ID :	MH2GS5	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:41:42	DataFile Name :	060SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	712.26	719.71	707.93	713.30	0.84	ppb
Lead	207-1	695.55	706.62	701.98	701.38	0.79	ppb
Lead	208-1	703.96	710.73	705.96	706.88	0.49	ppb
Lithium	6-1				88		%
Magnesium	24-2	6162.95	6226.89	6207.93	6199.26	0.53	ppb
Manganese	55-2	839.81	851.03	844.65	845.16	0.67	ppb
Molybdenum	94-1	3.98	3.96	3.99	3.98	0.43	ppb
Molybdenum	95-1	0.54	0.55	0.53	0.54	2.00	ppb
Molybdenum	96-1	0.96	0.92	0.97	0.95	2.58	ppb
Molybdenum	97-1	0.53	0.58	0.55	0.56	4.07	ppb
Molybdenum	98-1	0.55	0.54	0.54	0.54	0.70	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	21.47	21.83	22.06	21.79	1.37	ppb
Phosphorus	31-2	3252.76	3282.65	3300.90	3278.77	0.74	ppb
Potassium	39-2	3418.94	3436.40	3518.72	3458.02	1.54	ppb
Rhodium	103-1				96		%
Rhodium	103-2				96		%
Scandium	45-1				91		%
Scandium	45-2				92		%
Selenium	82-1	1.35	1.03	0.49	0.95	45.54	ppb
Selenium	77-2	15.20	15.64	15.88	15.57	2.21	ppb
Selenium	78-2	2.36	2.80	3.22	2.79	15.37	ppb
Silicon	28-1	1070.05	1067.67	1062.53	1066.75	0.36	ppb
Silver	107-1	2.45	2.48	2.43	2.46	1.07	ppb
Silver	109-1	2.47	2.47	2.42	2.45	1.17	ppb
Sodium	23-2	316.97	323.17	326.80	322.31	1.54	ppb
Strontium	86-1	7144.58	6977.44	7144.91	7088.97	1.36	ppb
Strontium	88-1	7109.63	7134.78	7188.81	7144.41	0.57	ppb
Sulfur	34-1	324.92	328.93	363.60	339.15	6.27	ppb
Terbium	159-1				107		%
Terbium	159-2				103		%
Thallium	203-1	0.35	0.37	0.35	0.36	2.96	ppb
Thallium	205-1	0.35	0.36	0.35	0.35	0.85	ppb
Tin	118-1	11.63	11.75	11.62	11.66	0.61	ppb
Titanium	47-1	107.30	107.58	108.16	107.68	0.41	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-06	Instrumnet Name :	P7
Client Sample ID :	MH2GS5	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:41:42	DataFile Name :	060SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	2.80	2.80	2.83	2.81	0.58	ppb
Vanadium	51-2	39.85	40.57	40.06	40.16	0.92	ppb
Yttrium	89-1				110		%
Yttrium	89-2				106		%
Zinc	66-2	818.15	826.84	825.54	823.51	0.57	ppb
Zirconium	90-1	1.95	1.96	1.95	1.96	0.07	ppb
Zirconium	91-1	1.92	1.97	2.00	1.96	2.14	ppb

Reviewed By:jaswal
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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-07	Instrumnet Name :	P7
Client Sample ID :	MH2GS6	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:44:39	DataFile Name :	061SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9757.40	11223.01	11092.23	10690.88	7.59	ppb
Antimony	121-1	0.93	0.96	0.97	0.95	2.03	ppb
Arsenic	75-2	18.20	20.73	19.89	19.61	6.58	ppb
Barium	135-1	564.93	565.30	562.86	564.36	0.23	ppb
Barium	137-1	559.15	563.44	556.61	559.73	0.62	ppb
Beryllium	9-1	1.17	1.43	1.23	1.27	10.41	ppb
Bismuth	209-1				108		%
Bismuth	209-2				93		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	4.92	5.06	4.93	4.97	1.56	ppb
Cadmium	106-1	5.90	5.43	5.33	5.55	5.48	ppb
Cadmium	111-1	5.52	5.54	5.51	5.52	0.27	ppb
Calcium	43-1	191208.74	197742.34	194761.64	194570.91	1.68	ppb
Calcium	44-1	189580.05	197046.44	196008.28	194211.59	2.08	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	14.08	16.51	15.90	15.50	8.16	ppb
Cobalt	59-2	11.09	12.89	12.61	12.20	7.92	ppb
Copper	63-2	74.40	85.94	84.68	81.67	7.75	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				109		%
Holmium	165-2				94		%
Indium	115-1				101		%
Indium	115-2				87		%
Iron	56-2	12506.87	14274.01	14085.71	13622.20	7.12	ppb
Iron	57-2	13352.32	15362.07	14966.36	14560.25	7.31	ppb
Iron	54-2	12673.06	14393.21	14231.72	13766.00	6.90	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-07	Instrumnet Name :	P7
Client Sample ID :	MH2GS6	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:44:39	DataFile Name :	061SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	229.13	238.28	240.33	235.91	2.53	ppb
Lead	207-1	226.42	234.06	236.35	232.27	2.24	ppb
Lead	208-1	226.63	234.55	237.75	232.98	2.46	ppb
Lithium	6-1				89		%
Magnesium	24-2	6923.98	8042.71	7874.04	7613.58	7.92	ppb
Manganese	55-2	626.49	719.50	716.41	687.47	7.69	ppb
Molybdenum	94-1	4.03	4.11	4.22	4.12	2.41	ppb
Molybdenum	95-1	0.66	0.66	0.70	0.67	3.85	ppb
Molybdenum	96-1	1.04	1.07	1.10	1.07	2.79	ppb
Molybdenum	97-1	0.64	0.64	0.68	0.65	2.96	ppb
Molybdenum	98-1	0.63	0.68	0.67	0.66	3.90	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	27.66	31.73	31.01	30.13	7.21	ppb
Phosphorus	31-2	3355.63	3848.69	3771.84	3658.72	7.25	ppb
Potassium	39-2	2843.50	3339.10	3228.10	3136.90	8.29	ppb
Rhodium	103-1				96		%
Rhodium	103-2				86		%
Scandium	45-1				93		%
Scandium	45-2				85		%
Selenium	82-1	1.03	0.63	0.96	0.87	24.37	ppb
Selenium	77-2	20.32	19.34	20.75	20.13	3.59	ppb
Selenium	78-2	2.81	4.24	5.52	4.19	32.40	ppb
Silicon	28-1	1055.55	1068.99	1074.72	1066.42	0.92	ppb
Silver	107-1	1.03	1.04	1.07	1.05	1.83	ppb
Silver	109-1	1.05	1.02	1.05	1.04	1.57	ppb
Sodium	23-2	315.74	365.88	361.02	347.55	7.96	ppb
Strontium	86-1	9498.04	9842.13	9829.51	9723.23	2.01	ppb
Strontium	88-1	9536.93	9737.07	9838.26	9704.09	1.58	ppb
Sulfur	34-1	337.92	428.79	451.53	406.08	14.80	ppb
Terbium	159-1				108		%
Terbium	159-2				94		%
Thallium	203-1	0.31	0.33	0.32	0.32	3.99	ppb
Thallium	205-1	0.32	0.33	0.33	0.33	1.43	ppb
Tin	118-1	3.79	3.82	3.80	3.80	0.36	ppb
Titanium	47-1	63.91	66.49	66.30	65.57	2.19	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-07	Instrumnet Name :	P7
Client Sample ID :	MH2GS6	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:44:39	DataFile Name :	061SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	3.72	3.87	3.94	3.84	2.94	ppb
Vanadium	51-2	49.10	57.24	55.69	54.01	8.00	ppb
Yttrium	89-1				113		%
Yttrium	89-2				100		%
Zinc	66-2	253.36	292.74	288.72	278.27	7.79	ppb
Zirconium	90-1	1.96	2.01	2.04	2.00	2.24	ppb
Zirconium	91-1	1.95	1.96	2.05	1.99	2.58	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-08	Instrumnet Name :	P7
Client Sample ID :	MH2GS7	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:47:42	DataFile Name :	062SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10850.23	10898.81	10793.33	10847.46	0.49	ppb
Antimony	121-1	0.44	0.45	0.45	0.44	1.34	ppb
Arsenic	75-2	9.31	9.42	9.75	9.49	2.41	ppb
Barium	135-1	733.49	764.15	771.25	756.29	2.65	ppb
Barium	137-1	740.68	762.91	748.69	750.76	1.50	ppb
Beryllium	9-1	1.30	1.32	1.33	1.32	1.23	ppb
Bismuth	209-1				106		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	3.69	3.84	3.63	3.72	2.91	ppb
Cadmium	106-1	4.34	4.80	3.80	4.31	11.52	ppb
Cadmium	111-1	3.90	4.18	3.99	4.02	3.52	ppb
Calcium	43-1	285585.59	290089.23	293999.95	289891.59	1.45	ppb
Calcium	44-1	285850.18	288371.50	291696.19	288639.29	1.02	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	13.10	13.01	13.37	13.16	1.41	ppb
Cobalt	59-2	12.40	12.24	12.40	12.35	0.75	ppb
Copper	63-2	37.39	36.87	37.08	37.11	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				109		%
Holmium	165-2				101		%
Indium	115-1				100		%
Indium	115-2				94		%
Iron	56-2	15119.87	15069.34	15253.35	15147.52	0.63	ppb
Iron	57-2	16551.90	16563.63	16515.75	16543.76	0.15	ppb
Iron	54-2	15216.38	15116.44	15327.08	15219.96	0.69	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-08	Instrumnet Name :	P7
Client Sample ID :	MH2GS7	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:47:42	DataFile Name :	062SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	73.52	74.96	75.60	74.70	1.42	ppb
Lead	207-1	70.03	70.92	72.72	71.22	1.92	ppb
Lead	208-1	71.54	72.73	73.55	72.61	1.39	ppb
Lithium	6-1				88		%
Magnesium	24-2	8554.85	8565.23	8510.64	8543.57	0.34	ppb
Manganese	55-2	510.91	512.45	520.86	514.74	1.04	ppb
Molybdenum	94-1	3.35	3.49	3.46	3.43	2.03	ppb
Molybdenum	95-1	0.86	0.87	0.88	0.87	1.23	ppb
Molybdenum	96-1	1.20	1.26	1.20	1.22	2.41	ppb
Molybdenum	97-1	0.89	0.90	0.89	0.89	0.37	ppb
Molybdenum	98-1	0.87	0.90	0.89	0.88	1.50	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	43.16	42.78	43.18	43.04	0.52	ppb
Phosphorus	31-2	2753.92	2733.22	2719.01	2735.38	0.64	ppb
Potassium	39-2	2482.88	2475.41	2472.99	2477.09	0.21	ppb
Rhodium	103-1				95		%
Rhodium	103-2				92		%
Scandium	45-1				93		%
Scandium	45-2				93		%
Selenium	82-1	0.89	0.82	0.23	0.65	55.55	ppb
Selenium	77-2	14.70	15.31	15.29	15.10	2.31	ppb
Selenium	78-2	2.63	3.36	3.14	3.04	12.38	ppb
Silicon	28-1	1073.11	1085.81	1096.37	1085.10	1.07	ppb
Silver	107-1	0.37	0.39	0.38	0.38	2.48	ppb
Silver	109-1	0.37	0.38	0.38	0.38	2.27	ppb
Sodium	23-2	334.70	331.21	335.98	333.96	0.74	ppb
Strontium	86-1	14243.21	14564.05	14259.06	14355.44	1.26	ppb
Strontium	88-1	14194.09	14400.42	14436.44	14343.65	0.91	ppb
Sulfur	34-1	466.79	552.39	585.17	534.78	11.43	ppb
Terbium	159-1				108		%
Terbium	159-2				102		%
Thallium	203-1	0.37	0.36	0.38	0.37	1.46	ppb
Thallium	205-1	0.37	0.37	0.37	0.37	0.81	ppb
Tin	118-1	1.26	1.29	1.29	1.28	1.41	ppb
Titanium	47-1	57.85	60.32	60.16	59.44	2.32	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-08	Instrumnet Name :	P7
Client Sample ID :	MH2GS7	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:47:42	DataFile Name :	062SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	4.74	4.83	4.89	4.82	1.55	ppb
Vanadium	51-2	74.31	74.34	74.68	74.44	0.28	ppb
Yttrium	89-1				112		%
Yttrium	89-2				106		%
Zinc	66-2	98.64	97.14	97.34	97.70	0.83	ppb
Zirconium	90-1	1.47	1.55	1.53	1.52	2.51	ppb
Zirconium	91-1	1.45	1.56	1.57	1.53	4.34	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-09	Instrumnet Name :	P7
Client Sample ID :	MH2GS8	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:50:45	DataFile Name :	063SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	5207.66	5219.51	5163.37	5196.85	0.57	ppb
Antimony	121-1	0.46	0.48	0.49	0.47	3.24	ppb
Arsenic	75-2	11.68	11.96	11.61	11.75	1.56	ppb
Barium	135-1	474.04	478.07	476.18	476.10	0.42	ppb
Barium	137-1	470.24	482.42	481.39	478.02	1.41	ppb
Beryllium	9-1	1.82	1.76	1.72	1.77	2.61	ppb
Bismuth	209-1				97		%
Bismuth	209-2				92		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	4.37	3.96	4.20	4.18	4.87	ppb
Cadmium	106-1	4.57	5.11	4.65	4.78	6.06	ppb
Cadmium	111-1	4.66	4.74	4.76	4.72	1.08	ppb
Calcium	43-1	580404.58	578432.41	590893.51	583243.50	1.15	ppb
Calcium	44-1	587594.58	583830.68	588944.83	586790.03	0.45	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	16.14	16.23	16.11	16.16	0.37	ppb
Cobalt	59-2	14.67	14.68	14.49	14.61	0.74	ppb
Copper	63-2	55.82	56.04	55.84	55.90	0.22	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				101		%
Indium	115-1				96		%
Indium	115-2				92		%
Iron	56-2	6297.47	6361.22	6267.22	6308.63	0.76	ppb
Iron	57-2	9422.61	9578.78	9470.01	9490.47	0.84	ppb
Iron	54-2	6336.69	6395.88	6273.55	6335.37	0.97	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-09	Instrumnet Name :	P7
Client Sample ID :	MH2GS8	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:50:45	DataFile Name :	063SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	408.52	410.60	401.72	406.95	1.14	ppb
Lead	207-1	397.54	398.04	393.99	396.52	0.56	ppb
Lead	208-1	402.54	402.31	398.53	401.13	0.56	ppb
Lithium	6-1				85		%
Magnesium	24-2	288428.54	290091.12	288600.33	289040.00	0.32	ppb
Manganese	55-2	1126.52	1134.16	1114.18	1124.95	0.90	ppb
Molybdenum	94-1	1.47	1.48	1.53	1.49	2.18	ppb
Molybdenum	95-1	0.28	0.27	0.28	0.28	1.64	ppb
Molybdenum	96-1	0.40	0.41	0.43	0.41	3.10	ppb
Molybdenum	97-1	0.26	0.26	0.26	0.26	0.57	ppb
Molybdenum	98-1	0.26	0.27	0.26	0.26	2.90	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	34.83	34.96	34.69	34.82	0.39	ppb
Phosphorus	31-2	1685.51	1656.98	1644.85	1662.45	1.26	ppb
Potassium	39-2	1767.02	1743.90	1741.05	1750.65	0.81	ppb
Rhodium	103-1				90		%
Rhodium	103-2				90		%
Scandium	45-1				92		%
Scandium	45-2				97		%
Selenium	82-1	1.08	0.73	0.55	0.79	33.69	ppb
Selenium	77-2	10.89	10.60	10.23	10.57	3.10	ppb
Selenium	78-2	1.55	1.27	1.68	1.50	14.12	ppb
Silicon	28-1	980.77	975.29	1004.71	986.93	1.59	ppb
Silver	107-1	1.20	1.23	1.24	1.23	1.65	ppb
Silver	109-1	1.20	1.22	1.26	1.23	2.29	ppb
Sodium	23-2	477.93	482.69	478.26	479.62	0.55	ppb
Strontium	86-1	6411.56	6411.11	6495.09	6439.25	0.75	ppb
Strontium	88-1	6373.22	6394.13	6442.39	6403.25	0.55	ppb
Sulfur	34-1	609.63	652.63	780.55	680.94	13.06	ppb
Terbium	159-1				105		%
Terbium	159-2				98		%
Thallium	203-1	0.20	0.20	0.20	0.20	1.43	ppb
Thallium	205-1	0.20	0.21	0.20	0.20	2.43	ppb
Tin	118-1	3.98	4.01	4.00	4.00	0.42	ppb
Titanium	47-1	60.49	61.04	61.82	61.12	1.10	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-09	Instrumnet Name :	P7
Client Sample ID :	MH2GS8	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:50:45	DataFile Name :	063SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.96	2.01	1.96	1.98	1.31	ppb
Vanadium	51-2	58.85	59.79	59.18	59.27	0.81	ppb
Yttrium	89-1				104		%
Yttrium	89-2				102		%
Zinc	66-2	418.69	420.08	419.11	419.29	0.17	ppb
Zirconium	90-1	0.69	0.69	0.69	0.69	0.43	ppb
Zirconium	91-1	0.75	0.68	0.69	0.70	5.15	ppb

Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-10	Instrumnet Name :	P7
Client Sample ID :	MH2GS9	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:53:49	DataFile Name :	064SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	11130.24	11284.54	11404.23	11273.00	1.22	ppb
Antimony	121-1	1.37	1.40	1.40	1.39	1.43	ppb
Arsenic	75-2	24.22	24.56	24.99	24.59	1.57	ppb
Barium	135-1	726.55	739.98	741.33	735.95	1.11	ppb
Barium	137-1	718.24	748.31	743.24	736.60	2.19	ppb
Beryllium	9-1	1.73	1.82	1.76	1.77	2.49	ppb
Bismuth	209-1				107		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	11.98	11.60	11.87	11.82	1.63	ppb
Cadmium	106-1	12.45	12.89	12.82	12.72	1.86	ppb
Cadmium	111-1	13.18	13.45	13.57	13.40	1.50	ppb
Calcium	43-1	162420.52	163922.65	162461.94	162935.04	0.53	ppb
Calcium	44-1	164156.00	163852.45	162987.40	163665.28	0.37	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	17.71	17.90	17.97	17.86	0.75	ppb
Cobalt	59-2	12.27	12.17	12.37	12.27	0.82	ppb
Copper	63-2	145.94	149.23	149.25	148.14	1.29	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				101		%
Indium	115-1				99		%
Indium	115-2				94		%
Iron	56-2	14407.24	14634.73	14607.01	14549.66	0.85	ppb
Iron	57-2	15304.22	15287.25	15483.88	15358.45	0.71	ppb
Iron	54-2	14703.23	14538.22	14631.10	14624.18	0.57	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-10	Instrumnet Name :	P7
Client Sample ID :	MH2GS9	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:53:49	DataFile Name :	064SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1167.74	1180.27	1200.51	1182.84	1.40	ppb
Lead	207-1	1152.51	1149.83	1172.06	1158.13	1.05	ppb
Lead	208-1	1159.70	1162.42	1177.76	1166.63	0.83	ppb
Lithium	6-1				93		%
Magnesium	24-2	16588.29	16599.97	16632.97	16607.07	0.14	ppb
Manganese	55-2	974.79	975.55	978.62	976.32	0.21	ppb
Molybdenum	94-1	5.02	5.12	5.13	5.09	1.27	ppb
Molybdenum	95-1	0.66	0.63	0.66	0.65	2.13	ppb
Molybdenum	96-1	1.12	1.17	1.16	1.15	2.03	ppb
Molybdenum	97-1	0.62	0.66	0.64	0.64	2.99	ppb
Molybdenum	98-1	0.64	0.66	0.63	0.64	2.45	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	22.52	22.25	22.82	22.53	1.25	ppb
Phosphorus	31-2	4324.00	4342.06	4330.21	4332.09	0.21	ppb
Potassium	39-2	2825.65	2763.54	2794.96	2794.72	1.11	ppb
Rhodium	103-1				94		%
Rhodium	103-2				93		%
Scandium	45-1				92		%
Scandium	45-2				92		%
Selenium	82-1	1.09	0.94	0.70	0.91	21.10	ppb
Selenium	77-2	18.43	15.63	17.42	17.16	8.26	ppb
Selenium	78-2	2.84	3.30	2.47	2.87	14.49	ppb
Silicon	28-1	1282.52	1258.86	1274.08	1271.82	0.94	ppb
Silver	107-1	4.45	4.53	4.50	4.49	0.92	ppb
Silver	109-1	4.39	4.45	4.52	4.45	1.45	ppb
Sodium	23-2	611.40	609.79	614.25	611.81	0.37	ppb
Strontium	86-1	9747.48	10077.85	9878.62	9901.32	1.68	ppb
Strontium	88-1	9894.32	9967.79	9987.29	9949.80	0.49	ppb
Sulfur	34-1	847.72	739.06	738.82	775.20	8.10	ppb
Terbium	159-1				107		%
Terbium	159-2				102		%
Thallium	203-1	0.39	0.40	0.40	0.39	1.38	ppb
Thallium	205-1	0.40	0.39	0.40	0.39	2.06	ppb
Tin	118-1	17.62	18.05	17.97	17.88	1.28	ppb
Titanium	47-1	122.54	122.17	122.79	122.50	0.26	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-10	Instrumnet Name :	P7
Client Sample ID :	MH2GS9	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:53:49	DataFile Name :	064SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	3.86	3.84	3.89	3.86	0.68	ppb
Vanadium	51-2	48.08	48.08	47.92	48.03	0.19	ppb
Yttrium	89-1				109		%
Yttrium	89-2				105		%
Zinc	66-2	1141.39	1156.48	1155.68	1151.18	0.74	ppb
Zirconium	90-1	2.53	2.55	2.56	2.55	0.65	ppb
Zirconium	91-1	2.52	2.60	2.55	2.56	1.71	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-11	Instrumnet Name :	P7
Client Sample ID :	MH2GT0	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:56:47	DataFile Name :	065SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	14275.84	14009.04	14256.72	14180.53	1.05	ppb
Antimony	121-1	1.34	1.34	1.34	1.34	0.11	ppb
Arsenic	75-2	26.46	26.98	26.21	26.55	1.48	ppb
Barium	135-1	771.08	790.71	801.55	787.78	1.96	ppb
Barium	137-1	776.45	788.15	794.50	786.37	1.16	ppb
Beryllium	9-1	1.66	1.83	1.63	1.71	6.23	ppb
Bismuth	209-1				107		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	8.52	8.80	8.56	8.62	1.80	ppb
Cadmium	106-1	9.40	8.72	8.49	8.87	5.35	ppb
Cadmium	111-1	9.24	9.29	9.57	9.37	1.86	ppb
Calcium	43-1	214622.96	218130.53	220325.18	217692.89	1.32	ppb
Calcium	44-1	211471.33	217662.90	218849.61	215994.61	1.83	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	19.86	19.72	19.69	19.76	0.47	ppb
Cobalt	59-2	14.66	14.53	14.49	14.56	0.59	ppb
Copper	63-2	112.77	112.89	112.35	112.67	0.25	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				101		%
Indium	115-1				100		%
Indium	115-2				92		%
Iron	56-2	20306.12	20065.22	20041.05	20137.46	0.73	ppb
Iron	57-2	20942.03	20718.57	21084.18	20914.93	0.88	ppb
Iron	54-2	20277.10	20189.20	20225.77	20230.69	0.22	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-11	Instrumnet Name :	P7
Client Sample ID :	MH2GT0	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:56:47	DataFile Name :	065SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	712.27	734.83	732.65	726.58	1.71	ppb
Lead	207-1	696.78	714.44	710.82	707.34	1.32	ppb
Lead	208-1	704.81	720.18	718.27	714.42	1.17	ppb
Lithium	6-1				90		%
Magnesium	24-2	10306.73	10258.99	10277.45	10281.06	0.23	ppb
Manganese	55-2	845.47	832.47	839.35	839.10	0.78	ppb
Molybdenum	94-1	5.27	5.57	5.54	5.46	2.96	ppb
Molybdenum	95-1	1.31	1.33	1.31	1.32	1.07	ppb
Molybdenum	96-1	1.80	1.86	1.82	1.83	1.69	ppb
Molybdenum	97-1	1.31	1.34	1.39	1.35	3.14	ppb
Molybdenum	98-1	1.30	1.33	1.32	1.32	1.03	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	28.51	28.75	29.19	28.82	1.20	ppb
Phosphorus	31-2	4212.74	4172.92	4226.87	4204.18	0.67	ppb
Potassium	39-2	2993.85	2943.50	2917.25	2951.53	1.32	ppb
Rhodium	103-1				93		%
Rhodium	103-2				92		%
Scandium	45-1				91		%
Scandium	45-2				90		%
Selenium	82-1	0.68	0.73	0.87	0.76	13.60	ppb
Selenium	77-2	16.92	18.76	16.54	17.40	6.83	ppb
Selenium	78-2	3.44	3.62	2.90	3.32	11.27	ppb
Silicon	28-1	1217.11	1229.37	1242.70	1229.73	1.04	ppb
Silver	107-1	3.00	3.07	3.08	3.05	1.46	ppb
Silver	109-1	2.97	3.02	3.02	3.00	1.01	ppb
Sodium	23-2	826.83	838.83	850.00	838.55	1.38	ppb
Strontium	86-1	11857.16	11924.33	12040.34	11940.61	0.78	ppb
Strontium	88-1	11751.73	12040.99	12026.78	11939.83	1.37	ppb
Sulfur	34-1	1438.39	1425.62	1489.21	1451.07	2.32	ppb
Terbium	159-1				106		%
Terbium	159-2				100		%
Thallium	203-1	0.51	0.53	0.50	0.52	2.48	ppb
Thallium	205-1	0.51	0.52	0.52	0.52	0.94	ppb
Tin	118-1	16.11	16.38	16.60	16.36	1.51	ppb
Titanium	47-1	128.58	131.16	133.95	131.23	2.05	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-11	Instrumnet Name :	P7
Client Sample ID :	MH2GT0	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:56:47	DataFile Name :	065SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	5.90	5.94	5.92	5.92	0.33	ppb
Vanadium	51-2	65.57	65.15	65.73	65.48	0.46	ppb
Yttrium	89-1				110		%
Yttrium	89-2				105		%
Zinc	66-2	734.62	738.04	741.38	738.01	0.46	ppb
Zirconium	90-1	2.41	2.49	2.47	2.46	1.67	ppb
Zirconium	91-1	2.43	2.55	2.51	2.50	2.53	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-12	Instrumnet Name :	P7
Client Sample ID :	MH2GT1	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:59:50	DataFile Name :	066SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	13290.86	13285.93	13335.81	13304.20	0.21	ppb
Antimony	121-1	0.71	0.74	0.73	0.73	2.00	ppb
Arsenic	75-2	20.34	21.13	21.12	20.86	2.16	ppb
Barium	135-1	949.74	960.04	938.43	949.41	1.14	ppb
Barium	137-1	942.68	948.72	937.41	942.94	0.60	ppb
Beryllium	9-1	1.56	1.44	1.48	1.49	4.18	ppb
Bismuth	209-1				105		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	4.33	4.51	4.30	4.38	2.58	ppb
Cadmium	106-1	4.97	5.01	4.90	4.96	1.12	ppb
Cadmium	111-1	4.77	4.74	4.80	4.77	0.69	ppb
Calcium	43-1	269375.50	269570.14	270884.14	269943.26	0.30	ppb
Calcium	44-1	267599.26	267179.23	268319.19	267699.22	0.22	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	16.02	15.99	16.23	16.08	0.82	ppb
Cobalt	59-2	13.52	13.80	13.80	13.70	1.19	ppb
Copper	63-2	57.77	58.28	58.27	58.11	0.50	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				101		%
Indium	115-1				98		%
Indium	115-2				92		%
Iron	56-2	17489.97	17400.09	17346.69	17412.25	0.42	ppb
Iron	57-2	18550.60	18664.97	18637.92	18617.83	0.32	ppb
Iron	54-2	17505.74	17386.77	17605.88	17499.46	0.63	ppb
Krypton	83-1						cps

Reviewed By:jaswal
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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-12	Instrumnet Name :	P7
Client Sample ID :	MH2GT1	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:59:50	DataFile Name :	066SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	219.44	219.18	218.62	219.08	0.19	ppb
Lead	207-1	211.61	208.70	213.83	211.38	1.22	ppb
Lead	208-1	213.47	213.02	215.37	213.95	0.58	ppb
Lithium	6-1				91		%
Magnesium	24-2	11033.17	10956.82	11181.22	11057.07	1.03	ppb
Manganese	55-2	604.68	591.53	603.36	599.86	1.21	ppb
Molybdenum	94-1	3.80	3.85	3.87	3.84	0.96	ppb
Molybdenum	95-1	0.98	0.97	1.01	0.98	1.87	ppb
Molybdenum	96-1	1.31	1.33	1.34	1.33	0.90	ppb
Molybdenum	97-1	0.96	0.96	1.01	0.98	2.96	ppb
Molybdenum	98-1	0.94	0.97	0.97	0.96	1.51	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	37.40	37.31	37.14	37.28	0.36	ppb
Phosphorus	31-2	2908.65	2942.06	2967.10	2939.27	1.00	ppb
Potassium	39-2	2593.86	2606.43	2620.12	2606.80	0.50	ppb
Rhodium	103-1				93		%
Rhodium	103-2				91		%
Scandium	45-1				92		%
Scandium	45-2				90		%
Selenium	82-1	0.69	1.07	1.03	0.93	22.20	ppb
Selenium	77-2	18.17	19.32	19.46	18.99	3.72	ppb
Selenium	78-2	2.87	3.26	3.05	3.06	6.39	ppb
Silicon	28-1	1198.94	1201.40	1228.16	1209.50	1.34	ppb
Silver	107-1	1.39	1.39	1.41	1.40	0.78	ppb
Silver	109-1	1.35	1.37	1.40	1.37	1.92	ppb
Sodium	23-2	696.99	700.01	708.58	701.86	0.86	ppb
Strontium	86-1	12881.64	12866.06	13011.66	12919.79	0.62	ppb
Strontium	88-1	12834.87	12921.75	13063.75	12940.12	0.89	ppb
Sulfur	34-1	2150.22	2174.63	2279.33	2201.40	3.12	ppb
Terbium	159-1				106		%
Terbium	159-2				100		%
Thallium	203-1	0.47	0.46	0.45	0.46	1.53	ppb
Thallium	205-1	0.47	0.47	0.46	0.46	0.40	ppb
Tin	118-1	6.34	6.50	6.48	6.44	1.37	ppb
Titanium	47-1	88.01	89.43	89.60	89.02	0.98	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-12	Instrumnet Name :	P7
Client Sample ID :	MH2GT1	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:59:50	DataFile Name :	066SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	5.49	5.50	5.56	5.52	0.67	ppb
Vanadium	51-2	70.47	70.44	70.98	70.63	0.42	ppb
Yttrium	89-1				108		%
Yttrium	89-2				103		%
Zinc	66-2	271.80	274.23	273.59	273.21	0.46	ppb
Zirconium	90-1	1.68	1.71	1.71	1.70	1.12	ppb
Zirconium	91-1	1.67	1.73	1.74	1.72	2.17	ppb

Reviewed By:jaswal
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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-15	Instrumnet Name :	P7
Client Sample ID :	MH2GT4	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:09:22	DataFile Name :	069SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	7803.05	7779.88	7809.23	7797.39	0.20	ppb
Antimony	121-1	0.65	0.65	0.66	0.65	1.01	ppb
Arsenic	75-2	15.07	15.17	14.89	15.04	0.97	ppb
Barium	135-1	525.60	526.19	527.79	526.53	0.22	ppb
Barium	137-1	521.28	520.89	524.82	522.33	0.41	ppb
Beryllium	9-1	1.17	1.21	1.09	1.16	5.23	ppb
Bismuth	209-1				102		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	5.57	5.39	5.32	5.43	2.40	ppb
Cadmium	106-1	6.70	5.52	6.27	6.16	9.71	ppb
Cadmium	111-1	6.18	6.02	6.02	6.07	1.53	ppb
Calcium	43-1	116017.74	115420.11	113297.37	114911.74	1.24	ppb
Calcium	44-1	114247.28	114939.19	113395.90	114194.12	0.68	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	8.89	8.92	8.84	8.88	0.41	ppb
Cobalt	59-2	8.86	8.85	8.79	8.83	0.43	ppb
Copper	63-2	75.93	75.83	76.39	76.05	0.40	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				98		%
Indium	115-1				97		%
Indium	115-2				91		%
Iron	56-2	6821.41	6798.34	6766.14	6795.30	0.41	ppb
Iron	57-2	7408.11	7249.69	7357.95	7338.58	1.10	ppb
Iron	54-2	6976.03	6861.12	6917.47	6918.21	0.83	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-15	Instrumnet Name :	P7
Client Sample ID :	MH2GT4	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:09:22	DataFile Name :	069SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	508.99	529.62	515.79	518.14	2.03	ppb
Lead	207-1	497.72	511.41	504.28	504.47	1.36	ppb
Lead	208-1	501.86	517.43	508.33	509.21	1.54	ppb
Lithium	6-1				98		%
Magnesium	24-2	5259.30	5301.97	5293.76	5285.01	0.43	ppb
Manganese	55-2	682.37	673.61	668.43	674.80	1.04	ppb
Molybdenum	94-1	2.22	2.23	2.28	2.24	1.30	ppb
Molybdenum	95-1	0.31	0.30	0.33	0.31	4.94	ppb
Molybdenum	96-1	0.51	0.51	0.54	0.52	3.01	ppb
Molybdenum	97-1	0.31	0.29	0.30	0.30	3.10	ppb
Molybdenum	98-1	0.29	0.30	0.30	0.30	1.66	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	14.67	14.75	14.62	14.68	0.47	ppb
Phosphorus	31-2	4070.45	4073.45	4052.46	4065.45	0.28	ppb
Potassium	39-2	2118.77	2128.89	2141.57	2129.74	0.54	ppb
Rhodium	103-1				91		%
Rhodium	103-2				90		%
Scandium	45-1				91		%
Scandium	45-2				90		%
Selenium	82-1	0.52	0.47	0.57	0.52	9.26	ppb
Selenium	77-2	13.68	16.97	14.90	15.19	10.95	ppb
Selenium	78-2	1.62	3.05	3.23	2.64	33.42	ppb
Silicon	28-1	1213.56	1228.28	1209.96	1217.27	0.80	ppb
Silver	107-1	0.88	0.85	0.87	0.87	2.25	ppb
Silver	109-1	0.86	0.86	0.87	0.86	1.05	ppb
Sodium	23-2	237.45	240.18	238.08	238.57	0.60	ppb
Strontium	86-1	7051.09	7044.56	7136.04	7077.23	0.72	ppb
Strontium	88-1	7026.02	6937.39	7101.40	7021.60	1.17	ppb
Sulfur	34-1	436.05	458.43	411.55	435.34	5.39	ppb
Terbium	159-1				102		%
Terbium	159-2				99		%
Thallium	203-1	0.18	0.19	0.18	0.18	3.23	ppb
Thallium	205-1	0.18	0.19	0.19	0.19	1.34	ppb
Tin	118-1	0.18	0.16	0.16	0.17	6.77	ppb
Titanium	47-1	36.77	37.04	36.14	36.65	1.25	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-15	Instrumnet Name :	P7
Client Sample ID :	MH2GT4	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:09:22	DataFile Name :	069SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	3.11	3.21	3.17	3.16	1.60	ppb
Vanadium	51-2	27.66	27.85	27.60	27.71	0.47	ppb
Yttrium	89-1				106		%
Yttrium	89-2				102		%
Zinc	66-2	457.78	463.74	465.18	462.23	0.85	ppb
Zirconium	90-1	1.12	1.13	1.11	1.12	1.18	ppb
Zirconium	91-1	1.09	1.12	1.14	1.12	2.21	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-16	Instrumnet Name :	P7
Client Sample ID :	MH2GT5	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:12:29	DataFile Name :	070SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	6374.99	6149.94	6309.59	6278.18	1.84	ppb
Antimony	121-1	0.57	0.58	0.59	0.58	1.79	ppb
Arsenic	75-2	17.74	17.83	17.61	17.73	0.63	ppb
Barium	135-1	525.72	537.80	544.92	536.14	1.81	ppb
Barium	137-1	525.61	545.30	542.46	537.79	1.98	ppb
Beryllium	9-1	1.06	0.99	0.95	1.00	5.44	ppb
Bismuth	209-1				101		%
Bismuth	209-2				96		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	3.50	3.82	3.84	3.72	5.09	ppb
Cadmium	106-1	4.46	4.11	4.26	4.28	4.14	ppb
Cadmium	111-1	4.19	4.14	4.27	4.20	1.61	ppb
Calcium	43-1	162554.47	166571.50	166105.69	165077.22	1.33	ppb
Calcium	44-1	162850.43	167168.76	164392.44	164803.88	1.33	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	7.48	7.43	7.38	7.43	0.68	ppb
Cobalt	59-2	7.87	7.77	7.78	7.81	0.70	ppb
Copper	63-2	53.84	52.79	53.41	53.34	0.99	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				98		%
Indium	115-1				95		%
Indium	115-2				91		%
Iron	56-2	4534.35	4498.53	4554.45	4529.11	0.63	ppb
Iron	57-2	5441.07	5379.11	5445.73	5421.97	0.69	ppb
Iron	54-2	4606.87	4468.36	4576.79	4550.67	1.60	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-16	Instrumnet Name :	P7
Client Sample ID :	MH2GT5	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:12:29	DataFile Name :	070SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	369.89	378.21	374.43	374.17	1.11	ppb
Lead	207-1	363.34	364.45	363.79	363.86	0.15	ppb
Lead	208-1	365.23	369.91	368.65	367.93	0.66	ppb
Lithium	6-1				96		%
Magnesium	24-2	4959.41	4830.54	4874.98	4888.31	1.34	ppb
Manganese	55-2	585.54	582.12	583.44	583.70	0.30	ppb
Molybdenum	94-1	2.28	2.41	2.38	2.36	2.74	ppb
Molybdenum	95-1	0.47	0.46	0.50	0.47	5.02	ppb
Molybdenum	96-1	0.67	0.69	0.67	0.68	1.71	ppb
Molybdenum	97-1	0.45	0.48	0.46	0.47	4.07	ppb
Molybdenum	98-1	0.46	0.47	0.44	0.46	2.66	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	27.60	27.23	27.65	27.49	0.84	ppb
Phosphorus	31-2	3500.37	3407.63	3488.54	3465.51	1.46	ppb
Potassium	39-2	1629.28	1580.82	1621.39	1610.50	1.61	ppb
Rhodium	103-1				90		%
Rhodium	103-2				88		%
Scandium	45-1				90		%
Scandium	45-2				89		%
Selenium	82-1	0.43	0.73	0.38	0.52	37.15	ppb
Selenium	77-2	13.37	12.26	11.37	12.33	8.13	ppb
Selenium	78-2	2.35	2.35	3.13	2.61	17.29	ppb
Silicon	28-1	1039.60	1076.33	1042.92	1052.95	1.93	ppb
Silver	107-1	0.53	0.54	0.53	0.54	1.16	ppb
Silver	109-1	0.53	0.53	0.54	0.53	1.40	ppb
Sodium	23-2	274.33	272.84	273.95	273.71	0.28	ppb
Strontium	86-1	9103.69	9282.49	9229.84	9205.34	1.00	ppb
Strontium	88-1	9118.45	9277.71	9179.26	9191.81	0.87	ppb
Sulfur	34-1	478.75	583.96	555.86	539.52	10.10	ppb
Terbium	159-1				100		%
Terbium	159-2				98		%
Thallium	203-1	0.12	0.11	0.11	0.12	3.71	ppb
Thallium	205-1	0.12	0.12	0.12	0.12	1.37	ppb
Tin	118-1	0.13	0.14	0.13	0.13	4.50	ppb
Titanium	47-1	25.70	26.20	25.96	25.95	0.96	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-16	Instrumnet Name :	P7
Client Sample ID :	MH2GT5	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:12:29	DataFile Name :	070SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	3.31	3.30	3.31	3.31	0.16	ppb
Vanadium	51-2	28.15	27.75	28.39	28.10	1.15	ppb
Yttrium	89-1				102		%
Yttrium	89-2				100		%
Zinc	66-2	267.16	263.89	265.60	265.55	0.62	ppb
Zirconium	90-1	1.10	1.10	1.09	1.10	0.17	ppb
Zirconium	91-1	1.10	1.11	1.14	1.11	1.84	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-13	Instrumnet Name :	P7
Client Sample ID :	MH2GT2	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:15:34	DataFile Name :	071SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	11772.82	11707.72	11712.45	11731.00	0.31	ppb
Antimony	121-1	0.91	0.92	0.93	0.92	1.02	ppb
Arsenic	75-2	14.26	14.33	14.09	14.23	0.88	ppb
Barium	135-1	707.21	716.12	708.48	710.60	0.68	ppb
Barium	137-1	709.47	712.19	722.78	714.81	0.98	ppb
Beryllium	9-1	1.79	1.69	1.61	1.70	5.32	ppb
Bismuth	209-1				106		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	9.96	9.68	9.59	9.74	2.00	ppb
Cadmium	106-1	10.16	10.11	9.99	10.09	0.84	ppb
Cadmium	111-1	10.52	10.76	10.74	10.68	1.24	ppb
Calcium	43-1	104529.99	104530.73	103582.86	104214.53	0.52	ppb
Calcium	44-1	104006.02	102489.31	103846.82	103447.38	0.81	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	30.49	30.62	30.43	30.51	0.31	ppb
Cobalt	59-2	13.17	13.02	13.11	13.10	0.57	ppb
Copper	63-2	127.33	127.98	128.79	128.03	0.57	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				101		%
Indium	115-1				98		%
Indium	115-2				93		%
Iron	56-2	19234.31	19273.18	19424.63	19310.71	0.52	ppb
Iron	57-2	19515.32	19527.12	19434.37	19492.27	0.26	ppb
Iron	54-2	19159.75	19275.04	19304.57	19246.45	0.40	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-13	Instrumnet Name :	P7
Client Sample ID :	MH2GT2	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:15:34	DataFile Name :	071SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1068.23	1099.77	1074.72	1080.90	1.54	ppb
Lead	207-1	1045.98	1076.55	1052.94	1058.49	1.51	ppb
Lead	208-1	1056.18	1079.90	1060.16	1065.41	1.19	ppb
Lithium	6-1				96		%
Magnesium	24-2	19530.35	19496.08	19543.87	19523.43	0.13	ppb
Manganese	55-2	1157.20	1162.21	1166.79	1162.06	0.41	ppb
Molybdenum	94-1	4.92	5.08	5.03	5.01	1.65	ppb
Molybdenum	95-1	0.79	0.83	0.82	0.82	2.36	ppb
Molybdenum	96-1	1.29	1.31	1.26	1.29	1.94	ppb
Molybdenum	97-1	0.79	0.76	0.82	0.79	3.84	ppb
Molybdenum	98-1	0.78	0.78	0.77	0.78	1.03	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	27.31	27.08	27.53	27.31	0.83	ppb
Phosphorus	31-2	4550.74	4644.58	4629.34	4608.22	1.09	ppb
Potassium	39-2	4471.36	4509.75	4459.24	4480.12	0.59	ppb
Rhodium	103-1				92		%
Rhodium	103-2				93		%
Scandium	45-1				89		%
Scandium	45-2				89		%
Selenium	82-1	0.85	0.90	0.86	0.87	2.76	ppb
Selenium	77-2	14.82	15.95	17.61	16.12	8.71	ppb
Selenium	78-2	3.38	3.24	2.56	3.06	14.40	ppb
Silicon	28-1	1480.07	1493.56	1481.63	1485.08	0.50	ppb
Silver	107-1	2.73	2.74	2.79	2.76	1.26	ppb
Silver	109-1	2.76	2.75	2.76	2.76	0.39	ppb
Sodium	23-2	320.78	321.84	324.78	322.47	0.64	ppb
Strontium	86-1	7281.07	7499.02	7318.33	7366.14	1.58	ppb
Strontium	88-1	7272.67	7368.36	7279.58	7306.87	0.73	ppb
Sulfur	34-1	723.39	772.99	797.05	764.48	4.91	ppb
Terbium	159-1				105		%
Terbium	159-2				100		%
Thallium	203-1	0.37	0.39	0.38	0.38	2.93	ppb
Thallium	205-1	0.39	0.39	0.38	0.39	1.72	ppb
Tin	118-1	10.49	10.62	10.58	10.57	0.63	ppb
Titanium	47-1	165.41	165.77	166.60	165.92	0.37	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-13	Instrumnet Name :	P7
Client Sample ID :	MH2GT2	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:15:34	DataFile Name :	071SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	3.42	3.56	3.47	3.48	1.96	ppb
Vanadium	51-2	46.70	46.65	46.87	46.74	0.24	ppb
Yttrium	89-1				107		%
Yttrium	89-2				103		%
Zinc	66-2	1670.55	1639.66	1650.94	1653.71	0.95	ppb
Zirconium	90-1	2.46	2.50	2.40	2.45	1.93	ppb
Zirconium	91-1	2.42	2.54	2.40	2.45	3.02	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-14	Instrumnet Name :	P7
Client Sample ID :	MH2GT3	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:18:37	DataFile Name :	072SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9387.06	9392.98	9238.79	9339.61	0.94	ppb
Antimony	121-1	0.68	0.70	0.72	0.70	2.64	ppb
Arsenic	75-2	14.32	14.73	14.42	14.49	1.48	ppb
Barium	135-1	729.95	753.18	752.26	745.13	1.77	ppb
Barium	137-1	727.38	752.54	755.93	745.28	2.09	ppb
Beryllium	9-1	1.73	1.53	1.66	1.64	6.24	ppb
Bismuth	209-1				107		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	10.58	11.42	11.28	11.09	4.01	ppb
Cadmium	106-1	11.22	11.61	11.34	11.39	1.77	ppb
Cadmium	111-1	11.88	12.17	12.14	12.06	1.31	ppb
Calcium	43-1	106891.81	108240.14	107003.38	107378.44	0.70	ppb
Calcium	44-1	105937.08	107191.89	106908.18	106679.05	0.62	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	15.36	15.22	15.29	15.29	0.44	ppb
Cobalt	59-2	10.81	10.72	10.77	10.77	0.42	ppb
Copper	63-2	133.15	132.93	133.21	133.10	0.11	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				101		%
Indium	115-1				98		%
Indium	115-2				94		%
Iron	56-2	8946.39	8931.40	8952.23	8943.34	0.12	ppb
Iron	57-2	9494.72	9346.53	9448.90	9430.05	0.80	ppb
Iron	54-2	9047.50	8874.04	8999.91	8973.82	1.00	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-14	Instrumnet Name :	P7
Client Sample ID :	MH2GT3	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:18:37	DataFile Name :	072SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1167.68	1169.37	1156.85	1164.64	0.58	ppb
Lead	207-1	1132.14	1148.21	1140.97	1140.44	0.71	ppb
Lead	208-1	1141.83	1158.88	1152.16	1150.96	0.75	ppb
Lithium	6-1				98		%
Magnesium	24-2	7245.63	7289.50	7237.87	7257.67	0.38	ppb
Manganese	55-2	1016.39	1017.79	1004.52	1012.90	0.72	ppb
Molybdenum	94-1	2.76	2.87	2.77	2.80	2.05	ppb
Molybdenum	95-1	0.28	0.29	0.27	0.28	3.65	ppb
Molybdenum	96-1	0.55	0.58	0.59	0.58	3.38	ppb
Molybdenum	97-1	0.26	0.30	0.28	0.28	6.99	ppb
Molybdenum	98-1	0.26	0.28	0.27	0.27	4.39	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	22.76	22.46	22.59	22.60	0.68	ppb
Phosphorus	31-2	4294.52	4319.38	4299.50	4304.47	0.31	ppb
Potassium	39-2	3145.27	3200.95	3180.09	3175.44	0.89	ppb
Rhodium	103-1				94		%
Rhodium	103-2				93		%
Scandium	45-1				92		%
Scandium	45-2				91		%
Selenium	82-1	0.67	0.78	0.70	0.72	8.28	ppb
Selenium	77-2	15.69	15.00	14.27	14.99	4.76	ppb
Selenium	78-2	3.21	3.23	3.26	3.23	0.74	ppb
Silicon	28-1	1456.61	1482.35	1470.77	1469.91	0.88	ppb
Silver	107-1	1.63	1.72	1.68	1.68	2.60	ppb
Silver	109-1	1.67	1.69	1.70	1.68	0.90	ppb
Sodium	23-2	282.60	283.58	284.49	283.56	0.33	ppb
Strontium	86-1	7658.42	7780.51	7750.87	7729.93	0.82	ppb
Strontium	88-1	7576.40	7732.42	7897.82	7735.55	2.08	ppb
Sulfur	34-1	419.78	481.38	493.61	464.92	8.51	ppb
Terbium	159-1				105		%
Terbium	159-2				101		%
Thallium	203-1	0.29	0.29	0.28	0.29	1.99	ppb
Thallium	205-1	0.28	0.28	0.28	0.28	1.01	ppb
Tin	118-1	0.51	0.56	0.55	0.54	4.61	ppb
Titanium	47-1	55.61	56.67	56.61	56.30	1.06	ppb

Reviewed By:jaswal
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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-14	Instrumnet Name :	P7
Client Sample ID :	MH2GT3	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:18:37	DataFile Name :	072SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	3.64	3.66	3.68	3.66	0.56	ppb
Vanadium	51-2	34.17	34.35	34.26	34.26	0.26	ppb
Yttrium	89-1				109		%
Yttrium	89-2				105		%
Zinc	66-2	1247.58	1258.47	1267.15	1257.73	0.78	ppb
Zirconium	90-1	1.37	1.43	1.46	1.42	3.35	ppb
Zirconium	91-1	1.36	1.44	1.48	1.43	4.09	ppb

Reviewed By:jaswal
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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4955-01	Instrumnet Name :	P7
Client Sample ID :	MH2GW5	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:21:35	DataFile Name :	073SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	6889.28	6949.98	6837.87	6892.38	0.81	ppb
Antimony	121-1	14.66	15.10	15.21	14.99	1.93	ppb
Arsenic	75-2	8.18	7.81	7.77	7.92	2.86	ppb
Barium	135-1	395.96	413.15	418.03	409.05	2.83	ppb
Barium	137-1	405.17	412.49	412.87	410.18	1.06	ppb
Beryllium	9-1	0.93	0.94	0.95	0.94	0.93	ppb
Bismuth	209-1				109		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	18.43	19.24	19.93	19.20	3.90	ppb
Cadmium	106-1	18.02	18.82	20.09	18.98	5.50	ppb
Cadmium	111-1	21.21	21.68	22.12	21.67	2.09	ppb
Calcium	43-1	76521.00	77272.85	78599.03	77464.29	1.36	ppb
Calcium	44-1	76399.16	77258.12	77671.59	77109.63	0.84	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	58.08	57.84	57.87	57.93	0.22	ppb
Cobalt	59-2	7.05	7.04	7.01	7.03	0.28	ppb
Copper	63-2	105.30	104.61	104.47	104.79	0.42	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				102		%
Indium	115-1				100		%
Indium	115-2				94		%
Iron	56-2	14035.93	13975.66	13938.66	13983.42	0.35	ppb
Iron	57-2	14395.39	14265.19	14163.82	14274.80	0.81	ppb
Iron	54-2	13855.57	14120.43	14038.21	14004.74	0.97	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4955-01	Instrumnet Name :	P7
Client Sample ID :	MH2GW5	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:21:35	DataFile Name :	073SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	127.40	128.46	126.87	127.58	0.63	ppb
Lead	207-1	121.90	125.44	124.73	124.02	1.51	ppb
Lead	208-1	123.75	125.48	125.03	124.75	0.72	ppb
Lithium	6-1				97		%
Magnesium	24-2	9213.68	9127.90	9240.64	9194.07	0.64	ppb
Manganese	55-2	848.86	850.85	849.17	849.63	0.13	ppb
Molybdenum	94-1	8.83	9.00	8.97	8.93	1.05	ppb
Molybdenum	95-1	2.88	2.97	2.90	2.92	1.55	ppb
Molybdenum	96-1	3.54	3.66	3.52	3.57	2.15	ppb
Molybdenum	97-1	2.85	2.91	2.90	2.89	1.16	ppb
Molybdenum	98-1	2.90	2.97	2.89	2.92	1.51	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	36.45	36.51	35.80	36.25	1.09	ppb
Phosphorus	31-2	2707.77	2655.57	2658.71	2674.02	1.09	ppb
Potassium	39-2	6781.37	6824.79	6685.81	6763.99	1.05	ppb
Rhodium	103-1				94		%
Rhodium	103-2				94		%
Scandium	45-1				90		%
Scandium	45-2				90		%
Selenium	82-1	1.08	1.03	0.75	0.95	18.82	ppb
Selenium	77-2	11.05	10.50	8.65	10.07	12.48	ppb
Selenium	78-2	1.44	1.57	1.96	1.66	16.18	ppb
Silicon	28-1	1334.91	1332.29	1341.83	1336.35	0.37	ppb
Silver	107-1	0.82	0.84	0.88	0.85	3.45	ppb
Silver	109-1	0.82	0.84	0.86	0.84	2.45	ppb
Sodium	23-2	15609.63	15799.00	15634.14	15680.92	0.66	ppb
Strontium	86-1	7399.29	7542.70	7249.92	7397.30	1.98	ppb
Strontium	88-1	7242.25	7425.84	7227.06	7298.38	1.52	ppb
Sulfur	34-1	5954.62	6027.98	6115.15	6032.59	1.33	ppb
Terbium	159-1				107		%
Terbium	159-2				103		%
Thallium	203-1	0.24	0.24	0.23	0.24	1.87	ppb
Thallium	205-1	0.23	0.24	0.24	0.24	1.09	ppb
Tin	118-1	11.77	12.15	12.16	12.03	1.83	ppb
Titanium	47-1	175.15	178.37	179.75	177.76	1.33	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4955-01	Instrumnet Name :	P7
Client Sample ID :	MH2GW5	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:21:35	DataFile Name :	073SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	4.04	4.12	4.05	4.07	1.08	ppb
Vanadium	51-2	19.96	20.05	19.78	19.93	0.68	ppb
Yttrium	89-1				102		%
Yttrium	89-2				99		%
Zinc	66-2	1335.92	1351.26	1327.52	1338.23	0.90	ppb
Zirconium	90-1	3.50	3.64	3.54	3.56	1.92	ppb
Zirconium	91-1	3.49	3.70	3.65	3.61	2.97	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4955-02	Instrumnet Name :	P7
Client Sample ID :	MH2GW6	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:24:34	DataFile Name :	074SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	6461.43	6404.43	6397.12	6421.00	0.55	ppb
Antimony	121-1	66.83	66.65	64.63	66.04	1.85	ppb
Arsenic	75-2	5.97	5.87	5.92	5.92	0.85	ppb
Barium	135-1	281.08	284.48	275.10	280.22	1.70	ppb
Barium	137-1	277.81	280.01	277.00	278.27	0.56	ppb
Beryllium	9-1	0.70	0.62	0.53	0.62	13.57	ppb
Bismuth	209-1				109		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	6.18	5.96	5.86	6.00	2.76	ppb
Cadmium	106-1	9.31	8.86	8.87	9.01	2.85	ppb
Cadmium	111-1	2.91	2.93	2.87	2.91	1.04	ppb
Calcium	43-1	80165.68	81067.80	80136.04	80456.51	0.66	ppb
Calcium	44-1	80018.79	80562.82	80009.69	80197.10	0.39	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	40.73	40.86	40.77	40.79	0.15	ppb
Cobalt	59-2	4.37	4.33	4.32	4.34	0.56	ppb
Copper	63-2	103.69	103.45	104.15	103.77	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				106		%
Holmium	165-2				103		%
Indium	115-1				99		%
Indium	115-2				93		%
Iron	56-2	10233.98	10310.46	10182.30	10242.25	0.63	ppb
Iron	57-2	10553.92	10726.94	10547.15	10609.34	0.96	ppb
Iron	54-2	10292.29	10281.92	10321.49	10298.57	0.20	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4955-02	Instrumnet Name :	P7
Client Sample ID :	MH2GW6	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:24:34	DataFile Name :	074SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	89.69	92.02	90.69	90.80	1.29	ppb
Lead	207-1	85.54	87.08	86.73	86.45	0.93	ppb
Lead	208-1	87.05	88.37	87.97	87.80	0.77	ppb
Lithium	6-1				94		%
Magnesium	24-2	8020.62	8113.28	8100.29	8078.07	0.62	ppb
Manganese	55-2	650.63	648.39	646.48	648.50	0.32	ppb
Molybdenum	94-1	78.09	77.67	77.97	77.91	0.28	ppb
Molybdenum	95-1	2.62	2.72	2.69	2.68	1.82	ppb
Molybdenum	96-1	10.58	10.55	10.57	10.57	0.12	ppb
Molybdenum	97-1	2.59	2.71	2.69	2.66	2.41	ppb
Molybdenum	98-1	2.65	2.66	2.70	2.67	1.05	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	17.85	17.81	17.94	17.87	0.37	ppb
Phosphorus	31-2	2065.97	2089.59	2048.03	2067.86	1.01	ppb
Potassium	39-2	9554.17	9592.10	9527.94	9558.07	0.34	ppb
Rhodium	103-1				95		%
Rhodium	103-2				94		%
Scandium	45-1				90		%
Scandium	45-2				89		%
Selenium	82-1	1.18	1.09	0.69	0.99	26.15	ppb
Selenium	77-2	7.77	6.85	7.80	7.47	7.28	ppb
Selenium	78-2	1.78	1.74	1.29	1.60	17.04	ppb
Silicon	28-1	959.67	980.34	980.70	973.57	1.24	ppb
Silver	107-1	1.15	1.16	1.14	1.15	0.54	ppb
Silver	109-1	1.10	1.10	1.12	1.11	0.97	ppb
Sodium	23-2	18494.13	18460.57	18486.29	18480.33	0.09	ppb
Strontium	86-1	5842.65	5912.60	5886.15	5880.46	0.60	ppb
Strontium	88-1	5870.69	5869.90	5929.99	5890.20	0.59	ppb
Sulfur	34-1	7242.92	7321.50	7345.36	7303.26	0.73	ppb
Terbium	159-1				106		%
Terbium	159-2				102		%
Thallium	203-1	0.16	0.16	0.16	0.16	1.42	ppb
Thallium	205-1	0.16	0.16	0.16	0.16	2.43	ppb
Tin	118-1	17.51	17.67	17.56	17.58	0.45	ppb
Titanium	47-1	172.48	173.45	173.25	173.06	0.29	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4955-02	Instrumnet Name :	P7
Client Sample ID :	MH2GW6	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:24:34	DataFile Name :	074SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	3.28	3.34	3.33	3.32	0.94	ppb
Vanadium	51-2	14.12	14.47	14.20	14.27	1.28	ppb
Yttrium	89-1				101		%
Yttrium	89-2				96		%
Zinc	66-2	1863.37	1855.27	1853.50	1857.38	0.28	ppb
Zirconium	90-1	41.72	42.69	41.53	41.98	1.48	ppb
Zirconium	91-1	41.39	42.64	41.87	41.97	1.50	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4955-03	Instrumnet Name :	P7
Client Sample ID :	MH2GW7	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:27:32	DataFile Name :	075SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	5870.93	5816.75	5806.41	5831.36	0.59	ppb
Antimony	121-1	79.81	78.52	81.41	79.91	1.81	ppb
Arsenic	75-2	7.50	7.60	7.76	7.62	1.73	ppb
Barium	135-1	209.20	209.24	210.76	209.73	0.42	ppb
Barium	137-1	216.03	209.80	213.80	213.21	1.48	ppb
Beryllium	9-1	0.84	0.80	0.83	0.82	2.56	ppb
Bismuth	209-1				109		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	3.96	3.90	4.01	3.96	1.36	ppb
Cadmium	106-1	4.36	4.73	4.01	4.37	8.31	ppb
Cadmium	111-1	3.69	3.71	3.62	3.67	1.21	ppb
Calcium	43-1	86646.61	87021.17	85103.13	86256.97	1.18	ppb
Calcium	44-1	85314.77	85355.90	85216.51	85295.72	0.08	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	37.85	37.90	37.78	37.84	0.16	ppb
Cobalt	59-2	5.35	5.29	5.44	5.36	1.41	ppb
Copper	63-2	119.54	119.32	119.30	119.39	0.11	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				102		%
Indium	115-1				99		%
Indium	115-2				92		%
Iron	56-2	12211.58	12140.74	12066.27	12139.53	0.60	ppb
Iron	57-2	12561.68	12611.17	12386.19	12519.68	0.94	ppb
Iron	54-2	12325.39	12270.06	12196.01	12263.82	0.53	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4955-03	Instrumnet Name :	P7
Client Sample ID :	MH2GW7	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:27:32	DataFile Name :	075SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	75.40	74.60	73.95	74.65	0.97	ppb
Lead	207-1	70.73	70.97	70.40	70.70	0.40	ppb
Lead	208-1	72.65	72.90	71.99	72.51	0.65	ppb
Lithium	6-1				94		%
Magnesium	24-2	8599.03	8540.54	8613.76	8584.44	0.45	ppb
Manganese	55-2	697.19	691.23	685.21	691.21	0.87	ppb
Molybdenum	94-1	18.59	18.62	18.61	18.61	0.08	ppb
Molybdenum	95-1	4.12	4.12	4.17	4.13	0.70	ppb
Molybdenum	96-1	5.62	5.70	5.66	5.66	0.70	ppb
Molybdenum	97-1	4.04	4.03	4.06	4.04	0.45	ppb
Molybdenum	98-1	4.07	4.10	4.11	4.09	0.46	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	20.05	20.14	20.18	20.12	0.33	ppb
Phosphorus	31-2	2275.02	2342.74	2293.57	2303.78	1.52	ppb
Potassium	39-2	8841.22	8752.61	8723.03	8772.29	0.70	ppb
Rhodium	103-1				94		%
Rhodium	103-2				93		%
Scandium	45-1				89		%
Scandium	45-2				89		%
Selenium	82-1	0.91	0.96	1.01	0.96	5.28	ppb
Selenium	77-2	9.76	9.51	8.73	9.34	5.75	ppb
Selenium	78-2	1.46	1.88	1.65	1.67	12.72	ppb
Silicon	28-1	1119.48	1111.88	1123.07	1118.15	0.51	ppb
Silver	107-1	0.94	0.93	0.94	0.93	0.63	ppb
Silver	109-1	0.92	0.93	0.94	0.93	1.29	ppb
Sodium	23-2	22698.33	22615.96	22472.15	22595.48	0.51	ppb
Strontium	86-1	6660.63	6696.24	6734.23	6697.03	0.55	ppb
Strontium	88-1	6701.83	6613.76	6713.56	6676.39	0.82	ppb
Sulfur	34-1	11333.68	11294.74	11391.17	11339.86	0.43	ppb
Terbium	159-1				106		%
Terbium	159-2				101		%
Thallium	203-1	0.19	0.20	0.20	0.20	1.08	ppb
Thallium	205-1	0.20	0.20	0.20	0.20	1.53	ppb
Tin	118-1	17.04	17.06	17.14	17.08	0.30	ppb
Titanium	47-1	174.33	175.89	177.18	175.80	0.81	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4955-03	Instrumnet Name :	P7
Client Sample ID :	MH2GW7	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:27:32	DataFile Name :	075SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	4.25	4.16	4.16	4.19	1.22	ppb
Vanadium	51-2	15.19	14.89	15.07	15.05	1.02	ppb
Yttrium	89-1				101		%
Yttrium	89-2				97		%
Zinc	66-2	1056.14	1044.72	1053.82	1051.56	0.57	ppb
Zirconium	90-1	8.34	8.46	8.36	8.39	0.74	ppb
Zirconium	91-1	8.52	8.61	8.78	8.63	1.51	ppb

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On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4955-04	Instrumnet Name :	P7
Client Sample ID :	MH2GW8	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:30:33	DataFile Name :	076SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	6566.76	6719.14	6673.98	6653.29	1.18	ppb
Antimony	121-1	0.99	1.03	1.04	1.02	2.74	ppb
Arsenic	75-2	7.75	7.49	7.81	7.69	2.19	ppb
Barium	135-1	332.15	338.32	345.51	338.66	1.97	ppb
Barium	137-1	329.23	338.01	341.47	336.24	1.88	ppb
Beryllium	9-1	1.15	1.26	1.38	1.27	9.19	ppb
Bismuth	209-1				107		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	21.93	21.78	21.61	21.78	0.74	ppb
Cadmium	106-1	20.92	20.99	21.63	21.18	1.85	ppb
Cadmium	111-1	23.59	24.34	24.87	24.27	2.64	ppb
Calcium	43-1	98771.61	98120.94	98514.97	98469.18	0.33	ppb
Calcium	44-1	97758.27	98515.07	97783.57	98018.97	0.44	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	29.08	29.07	29.34	29.17	0.53	ppb
Cobalt	59-2	7.15	7.12	7.23	7.17	0.81	ppb
Copper	63-2	58.38	59.27	59.34	59.00	0.90	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				101		%
Indium	115-1				98		%
Indium	115-2				91		%
Iron	56-2	17378.78	17497.23	17408.05	17428.02	0.35	ppb
Iron	57-2	17687.01	17864.40	17759.52	17770.31	0.50	ppb
Iron	54-2	17360.96	17582.61	17345.41	17429.66	0.76	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4955-04	Instrumnet Name :	P7
Client Sample ID :	MH2GW8	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:30:33	DataFile Name :	076SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	355.91	357.51	359.31	357.58	0.48	ppb
Lead	207-1	366.14	369.47	364.24	366.61	0.72	ppb
Lead	208-1	361.73	363.73	358.90	361.45	0.67	ppb
Lithium	6-1				91		%
Magnesium	24-2	27772.17	28253.01	27916.97	27980.72	0.88	ppb
Manganese	55-2	722.25	732.13	727.62	727.33	0.68	ppb
Molybdenum	94-1	6.43	6.53	6.47	6.48	0.81	ppb
Molybdenum	95-1	3.10	3.08	3.18	3.12	1.62	ppb
Molybdenum	96-1	3.59	3.55	3.60	3.58	0.70	ppb
Molybdenum	97-1	3.16	3.17	3.12	3.15	0.81	ppb
Molybdenum	98-1	3.10	3.12	3.19	3.14	1.51	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	31.49	32.10	31.72	31.77	0.98	ppb
Phosphorus	31-2	2868.54	2845.69	2828.61	2847.61	0.70	ppb
Potassium	39-2	4741.93	4801.17	4720.62	4754.57	0.88	ppb
Rhodium	103-1				92		%
Rhodium	103-2				92		%
Scandium	45-1				89		%
Scandium	45-2				88		%
Selenium	82-1	1.87	1.93	1.93	1.91	1.68	ppb
Selenium	77-2	12.71	12.38	15.79	13.63	13.82	ppb
Selenium	78-2	2.72	3.40	3.39	3.17	12.27	ppb
Silicon	28-1	1126.98	1108.32	1108.88	1114.73	0.95	ppb
Silver	107-1	0.39	0.40	0.40	0.40	2.27	ppb
Silver	109-1	0.39	0.39	0.40	0.39	0.17	ppb
Sodium	23-2	27766.47	28066.69	28070.78	27967.98	0.62	ppb
Strontium	86-1	7621.91	7904.31	7819.09	7781.77	1.86	ppb
Strontium	88-1	7665.31	7727.11	7719.34	7703.92	0.44	ppb
Sulfur	34-1	13333.45	13061.58	13248.46	13214.49	1.05	ppb
Terbium	159-1				107		%
Terbium	159-2				100		%
Thallium	203-1	0.26	0.25	0.26	0.26	1.44	ppb
Thallium	205-1	0.26	0.26	0.26	0.26	0.56	ppb
Tin	118-1	6.48	6.72	6.84	6.68	2.78	ppb
Titanium	47-1	67.79	67.70	68.44	67.98	0.60	ppb

Reviewed By:jaswal
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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4955-04	Instrumnet Name :	P7
Client Sample ID :	MH2GW8	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:30:33	DataFile Name :	076SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	8.74	8.98	8.92	8.88	1.43	ppb
Vanadium	51-2	19.45	19.63	19.62	19.56	0.51	ppb
Yttrium	89-1				104		%
Yttrium	89-2				99		%
Zinc	66-2	363.03	364.70	367.16	364.97	0.57	ppb
Zirconium	90-1	2.18	2.18	2.20	2.19	0.56	ppb
Zirconium	91-1	2.18	2.19	2.21	2.19	0.71	ppb

Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	CCV003	Instrumnet Name :	P7
Client Sample ID :	CCV003	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:33:33	DataFile Name :	077CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	46097.58	46680.49	46557.92	46445.33	0.66	ppb
Antimony	121-1	467.01	472.94	471.59	470.51	0.66	ppb
Arsenic	75-2	497.49	504.01	500.27	500.59	0.65	ppb
Barium	135-1	2330.06	2381.30	2366.80	2359.39	1.12	ppb
Barium	137-1	2319.63	2365.34	2367.90	2350.96	1.16	ppb
Beryllium	9-1	506.27	513.38	484.58	501.41	2.99	ppb
Bismuth	209-1				92		%
Bismuth	209-2				86		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	478.07	489.20	485.31	484.19	1.17	ppb
Cadmium	106-1	485.37	487.86	489.32	487.52	0.41	ppb
Cadmium	111-1	477.17	484.99	490.01	484.06	1.34	ppb
Calcium	43-1	234727.25	240700.71	241017.04	238815.00	1.48	ppb
Calcium	44-1	233608.79	237898.58	240572.77	237360.05	1.48	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	460.49	468.10	462.07	463.55	0.87	ppb
Cobalt	59-2	458.09	459.23	457.69	458.33	0.17	ppb
Copper	63-2	4693.01	4706.99	4697.42	4699.14	0.15	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				97		%
Holmium	165-2				93		%
Indium	115-1				88		%
Indium	115-2				84		%
Iron	56-2	121341.54	121276.14	121519.12	121378.93	0.10	ppb
Iron	57-2	120628.10	120665.32	120240.31	120511.24	0.20	ppb
Iron	54-2	121554.99	121482.44	121565.79	121534.41	0.04	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	CCV003	Instrumnet Name :	P7
Client Sample ID :	CCV003	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:33:33	DataFile Name :	077CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2355.44	2372.98	2321.79	2350.07	1.11	ppb
Lead	207-1	2356.09	2371.76	2327.07	2351.64	0.96	ppb
Lead	208-1	2357.81	2363.71	2331.21	2350.91	0.74	ppb
Lithium	6-1				83		%
Magnesium	24-2	235300.51	235635.29	234484.27	235140.02	0.25	ppb
Manganese	55-2	4548.84	4573.75	4557.41	4560.00	0.28	ppb
Molybdenum	94-1	4687.03	4683.87	4787.48	4719.46	1.25	ppb
Molybdenum	95-1	4666.97	4645.78	4804.65	4705.80	1.83	ppb
Molybdenum	96-1	4676.53	4659.92	4801.62	4712.69	1.64	ppb
Molybdenum	97-1	4698.09	4668.45	4773.15	4713.23	1.15	ppb
Molybdenum	98-1	4668.97	4667.17	4794.13	4710.09	1.55	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	457.51	456.88	448.67	454.35	1.09	ppb
Phosphorus	31-2	9397.52	9485.32	9474.07	9452.30	0.51	ppb
Potassium	39-2	115895.09	117917.50	116570.11	116794.23	0.88	ppb
Rhodium	103-1				83		%
Rhodium	103-2				81		%
Scandium	45-1				84		%
Scandium	45-2				85		%
Selenium	82-1	485.30	484.68	494.80	488.26	1.16	ppb
Selenium	77-2	468.49	472.91	475.97	472.46	0.80	ppb
Selenium	78-2	484.51	482.41	481.90	482.94	0.29	ppb
Silicon	28-1	434.47	457.76	456.88	449.70	2.94	ppb
Silver	107-1	457.15	464.54	458.51	460.06	0.85	ppb
Silver	109-1	459.67	464.24	475.77	466.56	1.78	ppb
Sodium	23-2	232382.75	236827.72	232217.31	233809.26	1.12	ppb
Strontium	86-1	11658.95	11748.20	11825.79	11744.32	0.71	ppb
Strontium	88-1	11620.45	11632.17	11771.80	11674.81	0.72	ppb
Sulfur	34-1	8949.99	9144.99	9236.18	9110.39	1.60	ppb
Terbium	159-1				96		%
Terbium	159-2				92		%
Thallium	203-1	469.05	476.71	468.01	471.26	1.01	ppb
Thallium	205-1	469.64	476.38	466.31	470.77	1.09	ppb
Tin	118-1	464.64	470.54	469.52	468.23	0.67	ppb
Titanium	47-1	4643.75	4695.04	4721.03	4686.60	0.84	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	CCV003	Instrumnet Name :	P7
Client Sample ID :	CCV003	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:33:33	DataFile Name :	077CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	467.59	470.45	467.20	468.41	0.38	ppb
Vanadium	51-2	471.48	468.73	477.63	472.61	0.96	ppb
Yttrium	89-1				89		%
Yttrium	89-2				86		%
Zinc	66-2	4800.90	4826.63	4780.47	4802.67	0.48	ppb
Zirconium	90-1	467.81	468.57	473.14	469.84	0.61	ppb
Zirconium	91-1	467.20	466.22	479.47	470.96	1.57	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	CCB003	Instrumnet Name :	P7
Client Sample ID :	CCB003	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:36:16	DataFile Name :	078CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2.82	2.51	2.17	2.50	12.88	ppb
Antimony	121-1	0.13	0.17	0.23	0.18	28.55	ppb
Arsenic	75-2	0.04	0.03	0.04	0.04	11.83	ppb
Barium	135-1	0.21	0.19	0.18	0.19	7.60	ppb
Barium	137-1	0.21	0.19	0.18	0.20	8.04	ppb
Beryllium	9-1	0.06	0.05	0.06	0.06	9.34	ppb
Bismuth	209-1				102		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.06	0.09	0.07	0.07	21.61	ppb
Cadmium	106-1	0.25	-0.15	-0.70	-0.20		ppb
Cadmium	111-1	0.06	0.03	-0.01	0.03	125.24	ppb
Calcium	43-1	25.76	22.05	20.37	22.73	12.14	ppb
Calcium	44-1	27.50	23.09	22.72	24.44	10.89	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.03	0.02	0.02	0.02	22.11	ppb
Cobalt	59-2	0.02	0.02	0.02	0.02	8.69	ppb
Copper	63-2	0.37	0.34	0.29	0.33	11.46	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				99		%
Holmium	165-2				95		%
Indium	115-1				94		%
Indium	115-2				90		%
Iron	56-2	8.14	7.23	6.75	7.37	9.60	ppb
Iron	57-2	6.99	7.85	5.75	6.86	15.38	ppb
Iron	54-2	8.52	7.54	6.80	7.62	11.33	ppb
Krypton	83-1						cps

Reviewed By:jaswal
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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	CCB003	Instrumnet Name :	P7
Client Sample ID :	CCB003	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:36:16	DataFile Name :	078CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.30	0.25	0.22	0.26	15.62	ppb
Lead	207-1	0.28	0.23	0.22	0.24	14.64	ppb
Lead	208-1	0.29	0.24	0.22	0.25	13.74	ppb
Lithium	6-1				93		%
Magnesium	24-2	14.25	12.94	11.63	12.94	10.13	ppb
Manganese	55-2	0.29	0.26	0.24	0.26	10.49	ppb
Molybdenum	94-1	0.48	0.44	0.45	0.46	4.82	ppb
Molybdenum	95-1	0.45	0.43	0.44	0.44	2.25	ppb
Molybdenum	96-1	0.47	0.43	0.44	0.45	5.21	ppb
Molybdenum	97-1	0.47	0.45	0.46	0.46	2.86	ppb
Molybdenum	98-1	0.46	0.44	0.46	0.45	2.83	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.67	0.65	0.66	0.66	1.30	ppb
Phosphorus	31-2	-20.53	-17.91	-18.92	-19.12		ppb
Potassium	39-2	17.04	16.32	14.72	16.03	7.40	ppb
Rhodium	103-1				92		%
Rhodium	103-2				91		%
Scandium	45-1				86		%
Scandium	45-2				86		%
Selenium	82-1	-0.29	-0.63	-0.45	-0.45		ppb
Selenium	77-2	0.29	0.00	0.19	0.16	91.61	ppb
Selenium	78-2	-0.74	-0.55	-0.13	-0.47		ppb
Silicon	28-1	3.74	2.50	1.82	2.69	36.05	ppb
Silver	107-1	0.08	0.06	0.05	0.06	19.04	ppb
Silver	109-1	0.08	0.06	0.06	0.07	15.79	ppb
Sodium	23-2	32.10	30.67	28.90	30.56	5.26	ppb
Strontium	86-1	1.48	1.15	1.35	1.33	12.63	ppb
Strontium	88-1	1.28	1.15	1.13	1.19	6.89	ppb
Sulfur	34-1	314.00	251.47	293.51	286.33	11.13	ppb
Terbium	159-1				98		%
Terbium	159-2				96		%
Thallium	203-1	0.10	0.08	0.08	0.09	14.71	ppb
Thallium	205-1	0.11	0.09	0.07	0.09	18.89	ppb
Tin	118-1	0.05	0.02	0.01	0.03	62.05	ppb
Titanium	47-1	0.38	0.32	0.28	0.32	15.87	ppb

Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	CCB003	Instrumnet Name :	P7
Client Sample ID :	CCB003	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:36:16	DataFile Name :	078CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.04	0.03	0.03	0.03	11.14	ppb
Vanadium	51-2	0.03	0.02	0.03	0.03	20.14	ppb
Yttrium	89-1				91		%
Yttrium	89-2				89		%
Zinc	66-2	0.41	0.33	0.39	0.38	10.34	ppb
Zirconium	90-1	0.05	0.05	0.05	0.05	6.46	ppb
Zirconium	91-1	0.05	0.05	0.05	0.05	5.85	ppb

Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4955-05	Instrumnet Name :	P7
Client Sample ID :	MH2GW8D	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:39:53	DataFile Name :	079SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	6739.88	6693.03	6747.35	6726.75	0.44	ppb
Antimony	121-1	1.05	1.07	1.08	1.06	1.30	ppb
Arsenic	75-2	7.83	8.07	7.59	7.83	3.07	ppb
Barium	135-1	342.00	348.64	342.90	344.51	1.04	ppb
Barium	137-1	344.14	346.07	341.59	343.93	0.65	ppb
Beryllium	9-1	1.32	1.30	1.35	1.32	1.87	ppb
Bismuth	209-1				103		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	22.14	21.85	21.76	21.92	0.92	ppb
Cadmium	106-1	21.42	21.65	21.33	21.47	0.77	ppb
Cadmium	111-1	24.81	25.13	24.67	24.87	0.95	ppb
Calcium	43-1	98307.82	99282.92	99546.34	99045.69	0.66	ppb
Calcium	44-1	97648.24	98875.71	98790.55	98438.16	0.70	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	29.06	28.82	29.05	28.98	0.48	ppb
Cobalt	59-2	7.18	7.07	7.17	7.14	0.88	ppb
Copper	63-2	58.90	58.59	58.84	58.78	0.28	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				98		%
Indium	115-1				95		%
Indium	115-2				90		%
Iron	56-2	17607.06	17237.96	17409.43	17418.15	1.06	ppb
Iron	57-2	17751.53	17687.85	17733.85	17724.41	0.19	ppb
Iron	54-2	17482.56	17289.44	17621.56	17464.52	0.96	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4955-05	Instrumnet Name :	P7
Client Sample ID :	MH2GW8D	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:39:53	DataFile Name :	079SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	363.04	356.71	362.43	360.73	0.97	ppb
Lead	207-1	371.14	371.40	364.62	369.05	1.04	ppb
Lead	208-1	365.93	364.97	361.18	364.02	0.69	ppb
Lithium	6-1				92		%
Magnesium	24-2	28545.16	28340.68	28441.87	28442.57	0.36	ppb
Manganese	55-2	738.16	724.80	732.17	731.71	0.91	ppb
Molybdenum	94-1	6.68	6.61	6.60	6.63	0.66	ppb
Molybdenum	95-1	3.12	3.18	3.16	3.15	0.93	ppb
Molybdenum	96-1	3.59	3.58	3.63	3.60	0.76	ppb
Molybdenum	97-1	3.09	3.20	3.21	3.17	2.17	ppb
Molybdenum	98-1	3.13	3.19	3.23	3.18	1.51	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	32.14	31.66	31.95	31.92	0.75	ppb
Phosphorus	31-2	2838.16	2866.19	2869.58	2857.98	0.60	ppb
Potassium	39-2	4807.87	4750.47	4781.88	4780.07	0.60	ppb
Rhodium	103-1				91		%
Rhodium	103-2				90		%
Scandium	45-1				88		%
Scandium	45-2				87		%
Selenium	82-1	1.89	1.43	1.66	1.66	13.87	ppb
Selenium	77-2	14.42	12.71	12.10	13.07	9.20	ppb
Selenium	78-2	2.34	2.65	3.39	2.80	19.33	ppb
Silicon	28-1	1115.96	1110.17	1130.78	1118.97	0.95	ppb
Silver	107-1	0.45	0.43	0.43	0.44	2.92	ppb
Silver	109-1	0.44	0.43	0.43	0.43	1.29	ppb
Sodium	23-2	28273.17	28481.66	28154.69	28303.17	0.58	ppb
Strontium	86-1	7798.90	7898.36	7859.92	7852.39	0.64	ppb
Strontium	88-1	7761.90	7873.03	7800.20	7811.71	0.72	ppb
Sulfur	34-1	13491.54	13373.94	13486.63	13450.70	0.49	ppb
Terbium	159-1				102		%
Terbium	159-2				99		%
Thallium	203-1	0.33	0.33	0.31	0.32	3.51	ppb
Thallium	205-1	0.34	0.32	0.31	0.32	3.78	ppb
Tin	118-1	6.87	6.84	6.88	6.87	0.31	ppb
Titanium	47-1	66.76	66.85	67.78	67.13	0.84	ppb

Reviewed By:jaswal
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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4955-05	Instrumnet Name :	P7
Client Sample ID :	MH2GW8D	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:39:53	DataFile Name :	079SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	8.76	8.94	8.93	8.88	1.13	ppb
Vanadium	51-2	19.52	19.29	19.45	19.42	0.60	ppb
Yttrium	89-1				101		%
Yttrium	89-2				97		%
Zinc	66-2	362.83	360.49	364.22	362.52	0.52	ppb
Zirconium	90-1	2.19	2.22	2.20	2.21	0.66	ppb
Zirconium	91-1	2.20	2.21	2.21	2.21	0.30	ppb

Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4955-04LX5	Instrumnet Name :	P7
Client Sample ID :	MH2GW8L	Dilution Factor :	5
Date & Time Acquired :	2024-11-27 20:42:57	DataFile Name :	080SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1284.58	1271.71	1264.12	1273.47	0.81	ppb
Antimony	121-1	0.20	0.21	0.24	0.21	9.50	ppb
Arsenic	75-2	1.73	1.53	1.61	1.62	6.16	ppb
Barium	135-1	63.05	66.99	66.27	65.44	3.21	ppb
Barium	137-1	62.92	66.89	66.27	65.36	3.27	ppb
Beryllium	9-1	0.22	0.24	0.19	0.21	12.06	ppb
Bismuth	209-1				103		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	4.13	4.81	3.99	4.31	10.21	ppb
Cadmium	106-1	3.71	4.40	3.60	3.90	11.15	ppb
Cadmium	111-1	4.65	5.02	4.86	4.84	3.88	ppb
Calcium	43-1	19221.13	19983.89	20194.13	19799.72	2.59	ppb
Calcium	44-1	18453.96	19078.89	19087.07	18873.31	1.92	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	5.63	5.53	5.52	5.56	1.10	ppb
Cobalt	59-2	1.40	1.37	1.39	1.39	1.19	ppb
Copper	63-2	11.69	11.44	11.52	11.55	1.12	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				96		%
Indium	115-1				97		%
Indium	115-2				91		%
Iron	56-2	3331.36	3315.68	3298.11	3315.05	0.50	ppb
Iron	57-2	3526.48	3517.46	3492.27	3512.07	0.50	ppb
Iron	54-2	3343.47	3389.92	3396.77	3376.72	0.86	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4955-04LX5	Instrumnet Name :	P7
Client Sample ID :	MH2GW8L	Dilution Factor :	5
Date & Time Acquired :	2024-11-27 20:42:57	DataFile Name :	080SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	67.13	69.60	68.87	68.53	1.85	ppb
Lead	207-1	68.02	70.49	69.65	69.39	1.81	ppb
Lead	208-1	67.22	69.59	69.13	68.65	1.83	ppb
Lithium	6-1				91		%
Magnesium	24-2	5453.11	5509.21	5509.19	5490.50	0.59	ppb
Manganese	55-2	142.12	141.30	140.66	141.36	0.52	ppb
Molybdenum	94-1	1.28	1.34	1.28	1.30	2.71	ppb
Molybdenum	95-1	0.66	0.66	0.65	0.66	0.90	ppb
Molybdenum	96-1	0.69	0.73	0.73	0.72	3.08	ppb
Molybdenum	97-1	0.61	0.67	0.69	0.66	6.23	ppb
Molybdenum	98-1	0.61	0.65	0.66	0.64	4.26	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	6.82	6.65	6.62	6.70	1.63	ppb
Phosphorus	31-2	534.05	543.17	554.09	543.77	1.85	ppb
Potassium	39-2	975.08	972.01	973.98	973.69	0.16	ppb
Rhodium	103-1				93		%
Rhodium	103-2				91		%
Scandium	45-1				89		%
Scandium	45-2				88		%
Selenium	82-1	0.35	0.02	-0.19	0.06	460.55	ppb
Selenium	77-2	3.08	2.53	3.37	2.99	14.26	ppb
Selenium	78-2	0.28	0.49	-0.25	0.18	216.93	ppb
Silicon	28-1	200.23	205.19	209.65	205.03	2.30	ppb
Silver	107-1	0.08	0.08	0.09	0.08	2.55	ppb
Silver	109-1	0.08	0.09	0.08	0.08	8.05	ppb
Sodium	23-2	5540.87	5460.29	5438.46	5479.87	0.98	ppb
Strontium	86-1	1530.45	1596.39	1614.40	1580.41	2.80	ppb
Strontium	88-1	1532.58	1599.57	1585.58	1572.58	2.25	ppb
Sulfur	34-1	2309.78	2517.60	2558.21	2461.86	5.41	ppb
Terbium	159-1				101		%
Terbium	159-2				97		%
Thallium	203-1	0.06	0.06	0.06	0.06	6.61	ppb
Thallium	205-1	0.06	0.06	0.06	0.06	2.09	ppb
Tin	118-1	1.26	1.35	1.33	1.31	3.54	ppb
Titanium	47-1	12.61	13.03	13.24	12.96	2.46	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4955-04LX5	Instrumnet Name :	P7
Client Sample ID :	MH2GW8L	Dilution Factor :	5
Date & Time Acquired :	2024-11-27 20:42:57	DataFile Name :	080SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.65	1.67	1.70	1.67	1.52	ppb
Vanadium	51-2	3.70	3.61	3.75	3.69	1.96	ppb
Yttrium	89-1				95		%
Yttrium	89-2				91		%
Zinc	66-2	71.54	71.65	70.62	71.27	0.80	ppb
Zirconium	90-1	0.41	0.43	0.43	0.42	2.31	ppb
Zirconium	91-1	0.40	0.45	0.43	0.43	5.35	ppb

Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4955-06	Instrumnet Name :	P7
Client Sample ID :	MH2GW8S	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:46:08	DataFile Name :	081SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	6837.86	6835.47	6837.20	6836.84	0.02	ppb
Antimony	121-1	20.59	20.96	21.03	20.86	1.14	ppb
Arsenic	75-2	15.03	15.44	15.22	15.23	1.33	ppb
Barium	135-1	714.15	719.02	716.20	716.46	0.34	ppb
Barium	137-1	715.27	714.98	707.82	712.69	0.59	ppb
Beryllium	9-1	11.16	10.97	11.44	11.19	2.09	ppb
Bismuth	209-1				103		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	30.90	29.43	30.83	30.39	2.73	ppb
Cadmium	106-1	29.79	30.20	28.52	29.50	2.96	ppb
Cadmium	111-1	34.02	34.35	34.46	34.28	0.66	ppb
Calcium	43-1	98957.46	100230.72	99273.55	99487.25	0.67	ppb
Calcium	44-1	98508.94	98502.27	99084.31	98698.51	0.34	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	67.88	68.20	67.69	67.92	0.38	ppb
Cobalt	59-2	104.59	106.48	105.53	105.53	0.90	ppb
Copper	63-2	105.26	105.61	105.12	105.33	0.24	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				98		%
Indium	115-1				95		%
Indium	115-2				90		%
Iron	56-2	17235.78	17486.83	17391.11	17371.24	0.73	ppb
Iron	57-2	17505.35	17776.60	17742.32	17674.76	0.84	ppb
Iron	54-2	17283.80	17582.40	17524.59	17463.60	0.91	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4955-06	Instrumnet Name :	P7
Client Sample ID :	MH2GW8S	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:46:08	DataFile Name :	081SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	413.05	417.65	413.14	414.62	0.63	ppb
Lead	207-1	428.86	428.01	428.12	428.33	0.11	ppb
Lead	208-1	419.49	420.49	420.35	420.11	0.13	ppb
Lithium	6-1				89		%
Magnesium	24-2	28319.12	28708.98	28441.53	28489.88	0.70	ppb
Manganese	55-2	791.91	807.32	805.29	801.51	1.04	ppb
Molybdenum	94-1	6.24	6.33	6.18	6.25	1.18	ppb
Molybdenum	95-1	3.12	3.14	3.17	3.14	0.77	ppb
Molybdenum	96-1	3.55	3.55	3.53	3.54	0.20	ppb
Molybdenum	97-1	3.19	3.13	3.15	3.16	0.93	ppb
Molybdenum	98-1	3.19	3.14	3.20	3.18	1.08	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	129.26	131.72	131.11	130.70	0.98	ppb
Phosphorus	31-2	2777.34	2768.89	2761.13	2769.12	0.29	ppb
Potassium	39-2	4729.38	4674.81	4658.92	4687.70	0.79	ppb
Rhodium	103-1				90		%
Rhodium	103-2				89		%
Scandium	45-1				88		%
Scandium	45-2				87		%
Selenium	82-1	20.53	21.19	20.39	20.71	2.07	ppb
Selenium	77-2	33.36	30.30	32.57	32.08	4.96	ppb
Selenium	78-2	19.88	21.85	22.70	21.48	6.74	ppb
Silicon	28-1	1061.25	1083.34	1082.89	1075.83	1.17	ppb
Silver	107-1	9.83	9.88	9.93	9.88	0.51	ppb
Silver	109-1	9.83	9.81	9.80	9.81	0.13	ppb
Sodium	23-2	27627.20	27978.14	27524.05	27709.80	0.86	ppb
Strontium	86-1	7796.70	7773.94	7851.54	7807.39	0.51	ppb
Strontium	88-1	7729.67	7702.98	7707.66	7713.44	0.18	ppb
Sulfur	34-1	12917.46	13016.03	13056.56	12996.68	0.55	ppb
Terbium	159-1				102		%
Terbium	159-2				98		%
Thallium	203-1	9.67	9.78	9.81	9.75	0.73	ppb
Thallium	205-1	9.74	9.77	9.84	9.78	0.52	ppb
Tin	118-1	6.89	6.91	6.93	6.91	0.33	ppb
Titanium	47-1	66.74	67.22	67.46	67.14	0.54	ppb

Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4955-06	Instrumnet Name :	P7
Client Sample ID :	MH2GW8S	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:46:08	DataFile Name :	081SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	8.82	8.90	8.80	8.84	0.56	ppb
Vanadium	51-2	115.94	116.10	115.85	115.97	0.11	ppb
Yttrium	89-1				101		%
Yttrium	89-2				97		%
Zinc	66-2	460.38	460.61	459.90	460.30	0.08	ppb
Zirconium	90-1	2.02	2.02	2.01	2.02	0.34	ppb
Zirconium	91-1	1.99	2.03	2.03	2.02	1.23	ppb

Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4902-01	Instrumnet Name :	P7
Client Sample ID :	E29Y8	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:49:09	DataFile Name :	082SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1299.82	1321.51	1320.91	1314.08	0.94	ppb
Antimony	121-1	0.09	0.09	0.09	0.09	2.18	ppb
Arsenic	75-2	3.58	3.40	3.33	3.44	3.76	ppb
Barium	135-1	27.85	28.25	27.96	28.02	0.75	ppb
Barium	137-1	27.93	28.17	28.10	28.07	0.43	ppb
Beryllium	9-1	0.15	0.16	0.17	0.16	5.33	ppb
Bismuth	209-1				102		%
Bismuth	209-2				96		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.18	0.23	0.19	0.20	11.23	ppb
Cadmium	106-1	-0.69	0.31	-0.54	-0.31		ppb
Cadmium	111-1	0.08	0.16	0.10	0.12	35.63	ppb
Calcium	43-1	180686.19	180692.81	184460.58	181946.53	1.20	ppb
Calcium	44-1	178564.30	177904.19	183255.55	179908.01	1.62	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4.00	4.11	4.00	4.04	1.54	ppb
Cobalt	59-2	3.26	3.23	3.25	3.25	0.47	ppb
Copper	63-2	5.65	5.72	5.63	5.67	0.76	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				99		%
Indium	115-1				96		%
Indium	115-2				92		%
Iron	56-2	6365.88	6461.87	6382.97	6403.57	0.80	ppb
Iron	57-2	7184.61	7305.99	7318.53	7269.71	1.02	ppb
Iron	54-2	6420.09	6541.22	6383.80	6448.37	1.28	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4902-01	Instrumnet Name :	P7
Client Sample ID :	E29Y8	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:49:09	DataFile Name :	082SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	8.46	8.56	8.43	8.48	0.85	ppb
Lead	207-1	7.85	7.77	7.81	7.81	0.53	ppb
Lead	208-1	8.03	8.12	7.97	8.04	0.91	ppb
Lithium	6-1				89		%
Magnesium	24-2	57417.17	57759.57	57310.02	57495.59	0.41	ppb
Manganese	55-2	250.57	252.20	249.84	250.87	0.48	ppb
Molybdenum	94-1	1.08	1.10	1.12	1.10	1.98	ppb
Molybdenum	95-1	0.76	0.76	0.80	0.77	2.60	ppb
Molybdenum	96-1	0.80	0.83	0.85	0.83	3.30	ppb
Molybdenum	97-1	0.77	0.72	0.76	0.75	3.33	ppb
Molybdenum	98-1	0.76	0.79	0.79	0.78	1.64	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	5.70	5.78	5.94	5.81	2.06	ppb
Phosphorus	31-2	608.47	594.42	628.13	610.34	2.78	ppb
Potassium	39-2	310.76	314.76	313.91	313.14	0.67	ppb
Rhodium	103-1				92		%
Rhodium	103-2				93		%
Scandium	45-1				90		%
Scandium	45-2				91		%
Selenium	82-1	0.25	-0.06	-0.05	0.05	394.09	ppb
Selenium	77-2	3.26	4.56	3.19	3.67	20.98	ppb
Selenium	78-2	-0.08	0.40	0.43	0.25	113.19	ppb
Silicon	28-1	182.93	180.66	182.98	182.19	0.73	ppb
Silver	107-1	0.04	0.03	0.04	0.04	10.97	ppb
Silver	109-1	0.04	0.04	0.03	0.04	8.76	ppb
Sodium	23-2	211.80	213.95	213.86	213.20	0.57	ppb
Strontium	86-1	4387.03	4486.09	4442.81	4438.64	1.12	ppb
Strontium	88-1	4416.87	4405.67	4448.86	4423.80	0.51	ppb
Sulfur	34-1	993.34	1016.60	1116.65	1042.19	6.29	ppb
Terbium	159-1				103		%
Terbium	159-2				98		%
Thallium	203-1	0.08	0.08	0.08	0.08	2.19	ppb
Thallium	205-1	0.08	0.08	0.08	0.08	0.59	ppb
Tin	118-1	0.19	0.20	0.19	0.19	3.74	ppb
Titanium	47-1	29.44	29.08	29.64	29.39	0.95	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4902-01	Instrumnet Name :	P7
Client Sample ID :	E29Y8	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:49:09	DataFile Name :	082SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.92	0.91	0.90	0.91	0.86	ppb
Vanadium	51-2	5.93	6.03	5.94	5.96	0.96	ppb
Yttrium	89-1				98		%
Yttrium	89-2				96		%
Zinc	66-2	24.51	23.89	23.93	24.11	1.43	ppb
Zirconium	90-1	0.27	0.26	0.26	0.26	2.36	ppb
Zirconium	91-1	0.25	0.26	0.27	0.26	3.28	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4902-02	Instrumnet Name :	P7
Client Sample ID :	E2A12	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:52:20	DataFile Name :	083SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2065.05	2052.12	2046.70	2054.63	0.46	ppb
Antimony	121-1	0.09	0.10	0.10	0.10	3.29	ppb
Arsenic	75-2	4.34	4.24	4.40	4.33	1.92	ppb
Barium	135-1	48.37	49.13	48.33	48.61	0.93	ppb
Barium	137-1	48.07	49.22	48.53	48.61	1.19	ppb
Beryllium	9-1	0.18	0.25	0.23	0.22	14.60	ppb
Bismuth	209-1				103		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.13	0.24	0.18	0.18	32.22	ppb
Cadmium	106-1	-0.52	0.05	-0.07	-0.18		ppb
Cadmium	111-1	0.12	0.15	0.15	0.14	12.79	ppb
Calcium	43-1	171219.75	172171.28	171999.81	171796.95	0.30	ppb
Calcium	44-1	170636.48	173674.27	170036.77	171449.17	1.14	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4.89	4.84	4.83	4.85	0.61	ppb
Cobalt	59-2	3.95	3.90	3.89	3.91	0.87	ppb
Copper	63-2	14.71	14.57	14.66	14.65	0.50	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				101		%
Indium	115-1				99		%
Indium	115-2				93		%
Iron	56-2	8157.12	7981.04	8053.92	8064.02	1.10	ppb
Iron	57-2	9019.41	8880.11	8942.37	8947.30	0.78	ppb
Iron	54-2	8235.26	8068.72	8094.68	8132.89	1.10	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4902-02	Instrumnet Name :	P7
Client Sample ID :	E2A12	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:52:20	DataFile Name :	083SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	10.73	10.96	10.79	10.83	1.10	ppb
Lead	207-1	9.77	9.96	9.95	9.90	1.08	ppb
Lead	208-1	10.10	10.24	10.22	10.18	0.76	ppb
Lithium	6-1				89		%
Magnesium	24-2	64861.51	63899.50	64000.84	64253.95	0.82	ppb
Manganese	55-2	261.63	257.23	260.12	259.66	0.86	ppb
Molybdenum	94-1	0.98	1.04	1.03	1.02	3.33	ppb
Molybdenum	95-1	0.65	0.63	0.64	0.64	1.23	ppb
Molybdenum	96-1	0.71	0.71	0.72	0.71	0.92	ppb
Molybdenum	97-1	0.68	0.66	0.65	0.66	2.12	ppb
Molybdenum	98-1	0.64	0.65	0.65	0.65	0.61	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	8.60	8.70	8.84	8.71	1.37	ppb
Phosphorus	31-2	429.15	429.88	423.70	427.58	0.79	ppb
Potassium	39-2	347.91	342.28	340.97	343.72	1.07	ppb
Rhodium	103-1				94		%
Rhodium	103-2				93		%
Scandium	45-1				92		%
Scandium	45-2				93		%
Selenium	82-1	0.19	0.24	0.09	0.17	42.22	ppb
Selenium	77-2	3.40	3.65	3.86	3.64	6.22	ppb
Selenium	78-2	0.47	1.55	0.38	0.80	81.86	ppb
Silicon	28-1	342.26	343.25	340.08	341.86	0.48	ppb
Silver	107-1	0.04	0.04	0.04	0.04	6.95	ppb
Silver	109-1	0.04	0.04	0.04	0.04	5.64	ppb
Sodium	23-2	224.35	222.55	225.21	224.04	0.61	ppb
Strontium	86-1	5601.34	5635.55	5700.80	5645.90	0.89	ppb
Strontium	88-1	5576.74	5622.38	5581.74	5593.62	0.45	ppb
Sulfur	34-1	896.58	936.57	864.73	899.29	4.00	ppb
Terbium	159-1				105		%
Terbium	159-2				100		%
Thallium	203-1	0.08	0.08	0.09	0.08	5.57	ppb
Thallium	205-1	0.08	0.09	0.09	0.09	2.76	ppb
Tin	118-1	0.39	0.36	0.37	0.37	5.11	ppb
Titanium	47-1	33.52	33.71	32.85	33.36	1.35	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4902-02	Instrumnet Name :	P7
Client Sample ID :	E2A12	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:52:20	DataFile Name :	083SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.07	1.08	1.08	1.08	0.73	ppb
Vanadium	51-2	8.14	8.04	8.05	8.07	0.69	ppb
Yttrium	89-1				99		%
Yttrium	89-2				97		%
Zinc	66-2	29.79	29.83	30.09	29.90	0.56	ppb
Zirconium	90-1	0.25	0.25	0.25	0.25	0.15	ppb
Zirconium	91-1	0.26	0.26	0.27	0.26	3.56	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4902-03	Instrumnet Name :	P7
Client Sample ID :	E2A12D	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:55:32	DataFile Name :	084SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2126.05	2112.20	2105.85	2114.70	0.49	ppb
Antimony	121-1	0.10	0.11	0.12	0.11	9.34	ppb
Arsenic	75-2	4.35	4.38	4.47	4.40	1.44	ppb
Barium	135-1	50.52	49.99	51.00	50.50	1.00	ppb
Barium	137-1	50.83	50.37	50.61	50.60	0.46	ppb
Beryllium	9-1	0.25	0.29	0.22	0.25	14.03	ppb
Bismuth	209-1				103		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.22	0.17	0.23	0.21	16.53	ppb
Cadmium	106-1	0.43	0.30	0.24	0.33	30.10	ppb
Cadmium	111-1	0.19	0.18	0.20	0.19	4.71	ppb
Calcium	43-1	171757.44	173054.55	169998.11	171603.37	0.89	ppb
Calcium	44-1	169439.99	171793.77	169741.94	170325.23	0.75	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	5.03	4.90	4.87	4.93	1.75	ppb
Cobalt	59-2	4.02	4.04	4.03	4.03	0.23	ppb
Copper	63-2	9.52	9.31	9.35	9.39	1.19	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				106		%
Holmium	165-2				101		%
Indium	115-1				99		%
Indium	115-2				93		%
Iron	56-2	8306.60	8274.95	8258.77	8280.11	0.29	ppb
Iron	57-2	9123.24	9152.37	9055.49	9110.37	0.55	ppb
Iron	54-2	8373.64	8397.33	8332.25	8367.74	0.39	ppb
Krypton	83-1						cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4902-03	Instrumnet Name :	P7
Client Sample ID :	E2A12D	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:55:32	DataFile Name :	084SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	10.99	11.17	11.40	11.19	1.87	ppb
Lead	207-1	10.09	10.24	10.46	10.26	1.82	ppb
Lead	208-1	10.43	10.55	10.79	10.59	1.75	ppb
Lithium	6-1				90		%
Magnesium	24-2	63755.41	63270.49	63254.30	63426.74	0.45	ppb
Manganese	55-2	270.23	269.02	264.26	267.84	1.18	ppb
Molybdenum	94-1	1.08	1.14	1.31	1.18	10.05	ppb
Molybdenum	95-1	0.75	0.80	0.91	0.82	10.38	ppb
Molybdenum	96-1	0.79	0.87	1.00	0.89	12.09	ppb
Molybdenum	97-1	0.74	0.83	0.89	0.82	9.03	ppb
Molybdenum	98-1	0.72	0.81	0.91	0.81	11.27	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	7.15	7.29	7.31	7.25	1.18	ppb
Phosphorus	31-2	422.17	427.50	432.32	427.33	1.19	ppb
Potassium	39-2	360.56	356.11	356.56	357.75	0.68	ppb
Rhodium	103-1				95		%
Rhodium	103-2				94		%
Scandium	45-1				93		%
Scandium	45-2				94		%
Selenium	82-1	0.28	0.04	0.14	0.16	79.88	ppb
Selenium	77-2	3.14	4.51	3.81	3.82	17.96	ppb
Selenium	78-2	-0.33	0.44	0.11	0.07	526.42	ppb
Silicon	28-1	352.48	356.03	351.67	353.39	0.66	ppb
Silver	107-1	0.05	0.06	0.07	0.06	19.69	ppb
Silver	109-1	0.04	0.05	0.07	0.06	22.36	ppb
Sodium	23-2	236.99	232.41	227.46	232.29	2.05	ppb
Strontium	86-1	5684.69	5626.36	5750.10	5687.05	1.09	ppb
Strontium	88-1	5634.69	5683.98	5640.79	5653.15	0.48	ppb
Sulfur	34-1	916.41	951.42	897.31	921.71	2.98	ppb
Terbium	159-1				104		%
Terbium	159-2				101		%
Thallium	203-1	0.08	0.10	0.11	0.10	14.03	ppb
Thallium	205-1	0.09	0.10	0.11	0.10	10.64	ppb
Tin	118-1	0.24	0.24	0.25	0.24	2.59	ppb
Titanium	47-1	34.15	34.10	33.74	34.00	0.66	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4902-03	Instrumnet Name :	P7
Client Sample ID :	E2A12D	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:55:32	DataFile Name :	084SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.06	1.09	1.11	1.09	1.95	ppb
Vanadium	51-2	8.39	8.31	8.33	8.34	0.52	ppb
Yttrium	89-1				100		%
Yttrium	89-2				98		%
Zinc	66-2	30.47	30.25	30.28	30.34	0.39	ppb
Zirconium	90-1	0.27	0.27	0.29	0.28	3.51	ppb
Zirconium	91-1	0.27	0.28	0.29	0.28	3.87	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4902-02LX5	Instrumnet Name :	P7
Client Sample ID :	E2A12L	Dilution Factor :	5
Date & Time Acquired :	2024-11-27 20:58:42	DataFile Name :	085SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	406.31	407.38	400.42	404.70	0.93	ppb
Antimony	121-1	0.02	0.02	0.02	0.02	8.63	ppb
Arsenic	75-2	0.88	0.80	0.80	0.83	5.74	ppb
Barium	135-1	9.26	9.45	9.50	9.41	1.34	ppb
Barium	137-1	9.33	9.55	9.59	9.49	1.46	ppb
Beryllium	9-1	0.04	0.04	0.04	0.04	9.59	ppb
Bismuth	209-1				104		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.06	0.01	0.08	0.05	65.98	ppb
Cadmium	106-1	0.20	0.03	-0.05	0.06	203.41	ppb
Cadmium	111-1	0.04	0.03	0.02	0.03	28.43	ppb
Calcium	43-1	33682.48	33455.20	33407.09	33514.92	0.44	ppb
Calcium	44-1	32723.05	33333.38	33054.11	33036.85	0.92	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.95	0.93	0.97	0.95	2.51	ppb
Cobalt	59-2	0.75	0.79	0.76	0.77	2.69	ppb
Copper	63-2	1.82	1.77	1.81	1.80	1.59	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				99		%
Indium	115-1				99		%
Indium	115-2				95		%
Iron	56-2	1590.05	1578.96	1577.90	1582.30	0.43	ppb
Iron	57-2	1783.41	1792.11	1791.35	1788.96	0.27	ppb
Iron	54-2	1666.62	1644.70	1671.23	1660.85	0.85	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4902-02LX5	Instrumnet Name :	P7
Client Sample ID :	E2A12L	Dilution Factor :	5
Date & Time Acquired :	2024-11-27 20:58:42	DataFile Name :	085SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2.01	2.08	2.04	2.04	1.92	ppb
Lead	207-1	1.82	1.89	1.84	1.85	1.94	ppb
Lead	208-1	1.89	1.94	1.91	1.92	1.38	ppb
Lithium	6-1				92		%
Magnesium	24-2	12568.78	12591.68	12569.75	12576.74	0.10	ppb
Manganese	55-2	51.23	51.29	51.39	51.30	0.16	ppb
Molybdenum	94-1	0.20	0.19	0.22	0.20	5.49	ppb
Molybdenum	95-1	0.14	0.13	0.13	0.13	5.03	ppb
Molybdenum	96-1	0.14	0.14	0.13	0.14	1.45	ppb
Molybdenum	97-1	0.12	0.14	0.14	0.14	7.51	ppb
Molybdenum	98-1	0.13	0.13	0.13	0.13	1.33	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.67	1.75	1.68	1.70	2.46	ppb
Phosphorus	31-2	72.89	76.42	67.37	72.23	6.31	ppb
Potassium	39-2	78.29	75.39	76.35	76.68	1.93	ppb
Rhodium	103-1				96		%
Rhodium	103-2				95		%
Scandium	45-1				93		%
Scandium	45-2				93		%
Selenium	82-1	0.03	0.06	-0.01	0.03	128.94	ppb
Selenium	77-2	1.07	0.97	0.71	0.92	20.00	ppb
Selenium	78-2	-0.19	-0.55	-0.64	-0.46		ppb
Silicon	28-1	65.03	64.97	64.57	64.86	0.39	ppb
Silver	107-1	0.01	0.01	0.01	0.01	23.25	ppb
Silver	109-1	0.01	0.01	0.01	0.01	6.59	ppb
Sodium	23-2	59.56	58.31	57.81	58.56	1.53	ppb
Strontium	86-1	1087.75	1119.61	1101.72	1103.03	1.45	ppb
Strontium	88-1	1082.65	1132.66	1105.36	1106.89	2.26	ppb
Sulfur	34-1	491.54	521.28	550.81	521.21	5.69	ppb
Terbium	159-1				103		%
Terbium	159-2				100		%
Thallium	203-1	0.01	0.01	0.01	0.01	11.73	ppb
Thallium	205-1	0.02	0.01	0.01	0.02	7.24	ppb
Tin	118-1	0.00	0.00	-0.02	-0.01		ppb
Titanium	47-1	6.33	7.01	6.45	6.60	5.46	ppb

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On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4902-02LX5	Instrumnet Name :	P7
Client Sample ID :	E2A12L	Dilution Factor :	5
Date & Time Acquired :	2024-11-27 20:58:42	DataFile Name :	085SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.20	0.20	0.20	0.20	1.85	ppb
Vanadium	51-2	1.53	1.58	1.50	1.54	2.57	ppb
Yttrium	89-1				98		%
Yttrium	89-2				95		%
Zinc	66-2	5.84	5.95	6.04	5.95	1.65	ppb
Zirconium	90-1	0.05	0.05	0.05	0.05	6.53	ppb
Zirconium	91-1	0.05	0.05	0.06	0.05	14.27	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4902-04	Instrumnet Name :	P7
Client Sample ID :	E2A12S	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 21:01:58	DataFile Name :	086SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2508.88	2503.39	2500.09	2504.12	0.18	ppb
Antimony	121-1	20.54	20.48	20.58	20.53	0.24	ppb
Arsenic	75-2	12.41	12.46	12.84	12.57	1.86	ppb
Barium	135-1	437.02	447.62	442.19	442.28	1.20	ppb
Barium	137-1	432.24	444.86	438.88	438.66	1.44	ppb
Beryllium	9-1	10.76	10.66	10.97	10.80	1.48	ppb
Bismuth	209-1				102		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	8.95	9.72	8.97	9.22	4.76	ppb
Cadmium	106-1	9.69	9.02	9.02	9.24	4.19	ppb
Cadmium	111-1	10.36	10.31	10.35	10.34	0.26	ppb
Calcium	43-1	171953.18	174543.42	171663.80	172720.14	0.92	ppb
Calcium	44-1	170822.33	171503.06	170278.58	170867.99	0.36	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	45.82	45.01	45.52	45.45	0.90	ppb
Cobalt	59-2	104.28	104.78	106.62	105.23	1.17	ppb
Copper	63-2	56.96	56.68	57.30	56.98	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				104		%
Holmium	165-2				101		%
Indium	115-1				98		%
Indium	115-2				93		%
Iron	56-2	8574.57	8526.03	8534.72	8545.11	0.30	ppb
Iron	57-2	9324.97	9403.62	9647.22	9458.60	1.78	ppb
Iron	54-2	8626.70	8593.69	8744.76	8655.05	0.92	ppb
Krypton	83-1						cps

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4902-04	Instrumnet Name :	P7
Client Sample ID :	E2A12S	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 21:01:58	DataFile Name :	086SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	14.97	14.90	14.89	14.92	0.29	ppb
Lead	207-1	13.94	13.81	13.85	13.87	0.47	ppb
Lead	208-1	14.29	14.23	14.26	14.26	0.19	ppb
Lithium	6-1				89		%
Magnesium	24-2	64071.05	64205.52	64619.38	64298.65	0.44	ppb
Manganese	55-2	361.91	361.92	365.07	362.97	0.50	ppb
Molybdenum	94-1	0.97	1.03	0.99	0.99	3.14	ppb
Molybdenum	95-1	0.65	0.67	0.67	0.66	2.09	ppb
Molybdenum	96-1	0.72	0.71	0.74	0.72	1.93	ppb
Molybdenum	97-1	0.65	0.66	0.64	0.65	1.60	ppb
Molybdenum	98-1	0.65	0.67	0.65	0.66	1.77	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	107.41	107.94	109.36	108.24	0.93	ppb
Phosphorus	31-2	431.45	423.05	430.26	428.25	1.06	ppb
Potassium	39-2	347.76	348.03	354.45	350.08	1.08	ppb
Rhodium	103-1				93		%
Rhodium	103-2				94		%
Scandium	45-1				92		%
Scandium	45-2				93		%
Selenium	82-1	20.74	20.78	21.32	20.95	1.55	ppb
Selenium	77-2	22.45	25.68	21.73	23.29	9.03	ppb
Selenium	78-2	22.60	20.01	21.43	21.35	6.06	ppb
Silicon	28-1	352.57	353.27	347.35	351.06	0.92	ppb
Silver	107-1	9.84	9.87	9.90	9.87	0.33	ppb
Silver	109-1	9.80	9.80	9.85	9.82	0.32	ppb
Sodium	23-2	219.35	216.53	222.75	219.54	1.42	ppb
Strontium	86-1	5752.81	5766.07	5765.51	5761.46	0.13	ppb
Strontium	88-1	5667.77	5661.36	5710.58	5679.91	0.47	ppb
Sulfur	34-1	1010.41	1048.93	926.81	995.38	6.27	ppb
Terbium	159-1				104		%
Terbium	159-2				99		%
Thallium	203-1	9.98	9.92	9.91	9.93	0.39	ppb
Thallium	205-1	9.92	9.89	10.06	9.96	0.93	ppb
Tin	118-1	0.29	0.29	0.29	0.29	0.42	ppb
Titanium	47-1	33.53	34.28	33.28	33.70	1.54	ppb

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4902-04	Instrumnet Name :	P7
Client Sample ID :	E2A12S	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 21:01:58	DataFile Name :	086SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.09	1.09	1.09	1.09	0.25	ppb
Vanadium	51-2	108.31	107.19	108.71	108.07	0.73	ppb
Yttrium	89-1				100		%
Yttrium	89-2				96		%
Zinc	66-2	132.49	131.01	132.51	132.00	0.65	ppb
Zirconium	90-1	0.25	0.26	0.27	0.26	2.16	ppb
Zirconium	91-1	0.27	0.24	0.26	0.26	6.19	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165237BL	Instrumnet Name :	P7
Client Sample ID :	PBW237	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 21:08:15	DataFile Name :	087CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.01	0.14	0.23	0.12	101.13	ppb
Antimony	121-1	0.01	0.00	0.01	0.01	19.29	ppb
Arsenic	75-2	-0.01	0.00	0.00	0.00		ppb
Barium	135-1	0.02	0.02	0.01	0.02	26.59	ppb
Barium	137-1	0.02	0.01	0.01	0.02	34.28	ppb
Beryllium	9-1	-0.02	-0.01	0.00	-0.01		ppb
Bismuth	209-1				99		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.05	0.03	-0.02	0.02	179.69	ppb
Cadmium	106-1	-0.76	-0.35	-0.56	-0.56		ppb
Cadmium	111-1	-0.06	-0.03	-0.04	-0.04		ppb
Calcium	43-1	5.75	-0.67	0.90	2.00	167.69	ppb
Calcium	44-1	5.71	1.94	2.47	3.37	60.63	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.06	0.05	0.03	0.05	35.70	ppb
Cobalt	59-2	0.00	0.00	0.00	0.00	4.43	ppb
Copper	63-2	0.07	0.04	0.05	0.06	25.65	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				98		%
Holmium	165-2				96		%
Indium	115-1				95		%
Indium	115-2				93		%
Iron	56-2	0.64	0.60	0.52	0.59	10.16	ppb
Iron	57-2	0.49	0.46	0.75	0.57	28.32	ppb
Iron	54-2	1.13	1.32	1.82	1.42	25.07	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165237BL	Instrumnet Name :	P7
Client Sample ID :	PBW237	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 21:08:15	DataFile Name :	087CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.05	0.04	0.05	0.05	10.54	ppb
Lead	207-1	0.05	0.04	0.05	0.05	17.54	ppb
Lead	208-1	0.05	0.04	0.05	0.05	14.75	ppb
Lithium	6-1				92		%
Magnesium	24-2	2.17	2.39	2.16	2.24	5.68	ppb
Manganese	55-2	-0.04	-0.06	-0.06	-0.05		ppb
Molybdenum	94-1	0.02	0.02	0.03	0.02	34.08	ppb
Molybdenum	95-1	0.01	0.01	0.01	0.01	19.65	ppb
Molybdenum	96-1	0.01	0.00	0.01	0.01	85.01	ppb
Molybdenum	97-1	0.01	0.01	0.01	0.01	25.69	ppb
Molybdenum	98-1	0.01	0.01	0.01	0.01	36.39	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.43	0.47	0.50	0.47	7.96	ppb
Phosphorus	31-2	-15.71	-12.56	-14.94	-14.41		ppb
Potassium	39-2	11.67	8.87	8.07	9.54	19.83	ppb
Rhodium	103-1				92		%
Rhodium	103-2				93		%
Scandium	45-1				89		%
Scandium	45-2				90		%
Selenium	82-1	-0.25	-0.20	-0.29	-0.25		ppb
Selenium	77-2	0.09	0.37	0.00	0.15	124.86	ppb
Selenium	78-2	-0.29	-0.68	-0.80	-0.59		ppb
Silicon	28-1	-5.09	-5.13	-4.97	-5.06		ppb
Silver	107-1	0.00	0.00	0.00	0.00	35.10	ppb
Silver	109-1	0.01	0.00	0.00	0.00	20.64	ppb
Sodium	23-2	9.62	8.91	8.36	8.96	7.04	ppb
Strontium	86-1	0.47	0.25	0.08	0.27	73.94	ppb
Strontium	88-1	0.41	0.28	0.30	0.33	22.29	ppb
Sulfur	34-1	609.51	609.35	627.78	615.55	1.72	ppb
Terbium	159-1				96		%
Terbium	159-2				96		%
Thallium	203-1	0.01	0.01	0.01	0.01	23.58	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	12.43	ppb
Tin	118-1	-0.05	-0.06	-0.06	-0.06		ppb
Titanium	47-1	0.03	0.02	0.00	0.02	91.66	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165237BL	Instrumnet Name :	P7
Client Sample ID :	PBW237	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 21:08:15	DataFile Name :	087CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	59.96	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	100.33	ppb
Yttrium	89-1				93		%
Yttrium	89-2				92		%
Zinc	66-2	-0.03	-0.01	-0.03	-0.02		ppb
Zirconium	90-1	0.00	0.00	0.00	0.00	140.52	ppb
Zirconium	91-1	0.00	0.00	0.00	0.00	487.13	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165237BS	Instrumnet Name :	P7
Client Sample ID :	LCS237	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 21:11:33	DataFile Name :	088LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	42.97	43.39	42.49	42.95	1.05	ppb
Antimony	121-1	4.24	4.40	4.33	4.32	1.83	ppb
Arsenic	75-2	2.16	2.39	2.17	2.24	5.70	ppb
Barium	135-1	19.98	20.75	20.73	20.49	2.16	ppb
Barium	137-1	20.12	20.78	20.72	20.54	1.77	ppb
Beryllium	9-1	2.19	2.17	2.17	2.18	0.38	ppb
Bismuth	209-1				102		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.02	1.97	2.37	2.12	10.21	ppb
Cadmium	106-1	2.42	2.12	1.71	2.08	17.18	ppb
Cadmium	111-1	2.19	2.24	2.18	2.20	1.60	ppb
Calcium	43-1	1077.10	1061.86	1065.69	1068.22	0.74	ppb
Calcium	44-1	1056.84	1076.91	1063.89	1065.88	0.95	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4.30	4.36	4.27	4.31	1.09	ppb
Cobalt	59-2	2.18	2.15	2.19	2.17	0.85	ppb
Copper	63-2	4.43	4.48	4.44	4.45	0.51	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				99		%
Holmium	165-2				98		%
Indium	115-1				97		%
Indium	115-2				93		%
Iron	56-2	448.22	449.48	453.07	450.26	0.56	ppb
Iron	57-2	466.60	469.26	470.59	468.82	0.43	ppb
Iron	54-2	473.04	473.49	478.29	474.94	0.61	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165237BS	Instrumnet Name :	P7
Client Sample ID :	LCS237	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 21:11:33	DataFile Name :	088LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2.07	2.17	2.10	2.11	2.37	ppb
Lead	207-1	2.10	2.13	2.11	2.11	0.78	ppb
Lead	208-1	2.05	2.13	2.10	2.09	1.87	ppb
Lithium	6-1				95		%
Magnesium	24-2	1025.33	1036.62	1036.61	1032.85	0.63	ppb
Manganese	55-2	2.13	2.17	2.13	2.14	1.03	ppb
Molybdenum	94-1	11.74	12.04	12.11	11.96	1.67	ppb
Molybdenum	95-1	9.94	9.97	10.09	10.00	0.79	ppb
Molybdenum	96-1	10.10	10.26	10.38	10.24	1.39	ppb
Molybdenum	97-1	9.94	10.11	10.10	10.05	0.95	ppb
Molybdenum	98-1	10.06	10.02	10.15	10.08	0.65	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.56	2.53	2.41	2.50	3.10	ppb
Phosphorus	31-2	-16.41	-18.22	-15.91	-16.85		ppb
Potassium	39-2	1098.17	1098.51	1102.60	1099.76	0.22	ppb
Rhodium	103-1				95		%
Rhodium	103-2				93		%
Scandium	45-1				92		%
Scandium	45-2				92		%
Selenium	82-1	11.09	11.08	10.79	10.99	1.56	ppb
Selenium	77-2	11.07	11.87	12.52	11.82	6.14	ppb
Selenium	78-2	10.09	10.67	11.29	10.69	5.60	ppb
Silicon	28-1	1.26	2.09	1.60	1.65	25.32	ppb
Silver	107-1	2.06	2.17	2.12	2.12	2.51	ppb
Silver	109-1	2.05	2.14	2.15	2.11	2.80	ppb
Sodium	23-2	1063.97	1064.01	1076.16	1068.04	0.66	ppb
Strontium	86-1	51.58	52.45	53.94	52.66	2.27	ppb
Strontium	88-1	51.68	51.71	52.94	52.11	1.38	ppb
Sulfur	34-1	502.05	558.80	576.08	545.65	7.10	ppb
Terbium	159-1				99		%
Terbium	159-2				97		%
Thallium	203-1	1.95	2.00	2.04	2.00	2.17	ppb
Thallium	205-1	1.95	1.99	2.01	1.98	1.40	ppb
Tin	118-1	0.00	-0.02	0.00	-0.01		ppb
Titanium	47-1	10.08	10.30	9.93	10.10	1.88	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165237BS	Instrumnet Name :	P7
Client Sample ID :	LCS237	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 21:11:33	DataFile Name :	088LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.81	1.87	1.86	1.85	1.54	ppb
Vanadium	51-2	10.27	10.34	10.30	10.30	0.31	ppb
Yttrium	89-1				94		%
Yttrium	89-2				92		%
Zinc	66-2	11.71	11.91	11.78	11.80	0.87	ppb
Zirconium	90-1	2.05	2.02	2.03	2.03	0.77	ppb
Zirconium	91-1	2.09	2.07	2.09	2.09	0.49	ppb

Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165238BL	Instrumnet Name :	P7
Client Sample ID :	PBS238	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 21:14:48	DataFile Name :	089CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.20	0.14	0.27	0.20	32.58	ppb
Antimony	121-1	0.02	0.01	0.01	0.01	52.06	ppb
Arsenic	75-2	0.00	-0.01	0.00	0.00		ppb
Barium	135-1	0.28	0.13	0.07	0.16	67.55	ppb
Barium	137-1	0.29	0.14	0.06	0.17	70.72	ppb
Beryllium	9-1	-0.01	-0.01	0.01	0.00		ppb
Bismuth	209-1				100		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.02	-0.01	-0.01	0.00	497.25	ppb
Cadmium	106-1	0.14	0.52	0.12	0.26	86.05	ppb
Cadmium	111-1	0.03	0.04	0.01	0.03	70.07	ppb
Calcium	43-1	90.40	51.99	16.79	53.06	69.38	ppb
Calcium	44-1	93.10	49.47	19.08	53.88	69.06	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.01	0.01	-0.01	0.00	414.35	ppb
Cobalt	59-2	0.00	0.00	0.00	0.00		ppb
Copper	63-2	0.05	0.03	0.03	0.04	22.11	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				98		%
Holmium	165-2				98		%
Indium	115-1				95		%
Indium	115-2				94		%
Iron	56-2	0.70	0.61	0.61	0.64	8.32	ppb
Iron	57-2	1.21	1.16	1.10	1.16	4.92	ppb
Iron	54-2	0.88	0.29	0.48	0.55	54.31	ppb
Krypton	83-1						cps

Reviewed By:jaswal
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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165238BL	Instrumnet Name :	P7
Client Sample ID :	PBS238	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 21:14:48	DataFile Name :	089CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.26	0.16	0.09	0.17	51.48	ppb
Lead	207-1	0.25	0.15	0.07	0.16	56.56	ppb
Lead	208-1	0.26	0.15	0.08	0.17	55.82	ppb
Lithium	6-1				96		%
Magnesium	24-2	3.52	3.27	3.14	3.31	5.88	ppb
Manganese	55-2	0.02	0.02	0.02	0.02	14.07	ppb
Molybdenum	94-1	0.13	0.07	0.04	0.08	59.81	ppb
Molybdenum	95-1	0.12	0.06	0.03	0.07	65.47	ppb
Molybdenum	96-1	0.11	0.07	0.03	0.07	62.84	ppb
Molybdenum	97-1	0.13	0.06	0.03	0.07	69.13	ppb
Molybdenum	98-1	0.13	0.07	0.03	0.07	66.27	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.53	0.52	0.52	0.52	1.52	ppb
Phosphorus	31-2	-18.35	-19.55	-17.89	-18.60		ppb
Potassium	39-2	6.04	6.77	6.21	6.34	6.07	ppb
Rhodium	103-1				93		%
Rhodium	103-2				94		%
Scandium	45-1				90		%
Scandium	45-2				92		%
Selenium	82-1	-0.21	-0.26	-0.34	-0.27		ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-0.50	-0.47	-0.68	-0.55		ppb
Silicon	28-1	-5.25	-5.16	-5.40	-5.27		ppb
Silver	107-1	0.02	0.01	0.01	0.01	43.10	ppb
Silver	109-1	0.02	0.01	0.01	0.01	48.23	ppb
Sodium	23-2	6.01	5.73	4.88	5.54	10.59	ppb
Strontium	86-1	4.63	2.79	0.83	2.75	69.11	ppb
Strontium	88-1	4.44	2.39	0.95	2.59	67.49	ppb
Sulfur	34-1	486.04	575.34	552.36	537.91	8.62	ppb
Terbium	159-1				97		%
Terbium	159-2				97		%
Thallium	203-1	0.03	0.02	0.02	0.02	27.07	ppb
Thallium	205-1	0.03	0.02	0.02	0.02	25.89	ppb
Tin	118-1	0.01	0.01	-0.01	0.00	914.27	ppb
Titanium	47-1	0.14	0.08	0.03	0.08	64.69	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165238BL	Instrumnet Name :	P7
Client Sample ID :	PBS238	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 21:14:48	DataFile Name :	089CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.01	0.00	0.01	74.39	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	5.76	ppb
Yttrium	89-1				93		%
Yttrium	89-2				92		%
Zinc	66-2	-0.01	-0.06	0.06	-0.01		ppb
Zirconium	90-1	0.01	0.01	0.00	0.01	50.75	ppb
Zirconium	91-1	0.02	0.01	0.01	0.01	57.04	ppb

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165238BS	Instrumnet Name :	P7
Client Sample ID :	LCS238	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 21:38:40	DataFile Name :	093LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	38.67	37.03	37.97	37.89	2.18	ppb
Antimony	121-1	3.90	3.95	3.88	3.91	0.89	ppb
Arsenic	75-2	2.13	2.00	2.05	2.06	3.23	ppb
Barium	135-1	18.65	18.75	18.68	18.69	0.28	ppb
Barium	137-1	18.77	18.71	18.70	18.73	0.20	ppb
Beryllium	9-1	1.85	1.93	1.95	1.91	2.86	ppb
Bismuth	209-1				101		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.09	2.17	2.15	2.14	1.96	ppb
Cadmium	106-1	2.43	2.11	2.42	2.32	7.75	ppb
Cadmium	111-1	2.24	2.19	2.25	2.23	1.39	ppb
Calcium	43-1	979.11	996.33	977.73	984.39	1.05	ppb
Calcium	44-1	989.25	985.26	970.66	981.72	1.00	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3.81	3.84	3.92	3.86	1.48	ppb
Cobalt	59-2	1.92	1.99	2.00	1.97	2.04	ppb
Copper	63-2	3.96	3.98	4.02	3.99	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				98		%
Holmium	165-2				97		%
Indium	115-1				95		%
Indium	115-2				94		%
Iron	56-2	401.65	407.26	406.50	405.13	0.75	ppb
Iron	57-2	423.69	416.26	424.15	421.37	1.05	ppb
Iron	54-2	430.26	426.80	431.19	429.41	0.54	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165238BS	Instrumnet Name :	P7
Client Sample ID :	LCS238	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 21:38:40	DataFile Name :	093LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1.99	1.91	1.90	1.93	2.50	ppb
Lead	207-1	1.94	1.88	1.88	1.90	1.74	ppb
Lead	208-1	1.94	1.89	1.89	1.91	1.48	ppb
Lithium	6-1				100		%
Magnesium	24-2	937.32	946.64	941.56	941.84	0.50	ppb
Manganese	55-2	1.92	1.92	1.91	1.92	0.19	ppb
Molybdenum	94-1	10.90	10.87	10.98	10.92	0.54	ppb
Molybdenum	95-1	9.26	9.01	9.05	9.11	1.47	ppb
Molybdenum	96-1	9.45	9.12	9.29	9.29	1.78	ppb
Molybdenum	97-1	9.21	9.35	9.18	9.25	0.94	ppb
Molybdenum	98-1	9.09	9.12	9.23	9.15	0.79	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.34	2.38	2.38	2.37	0.97	ppb
Phosphorus	31-2	-19.60	-19.12	-18.49	-19.07		ppb
Potassium	39-2	986.22	987.93	992.46	988.87	0.33	ppb
Rhodium	103-1				93		%
Rhodium	103-2				94		%
Scandium	45-1				91		%
Scandium	45-2				92		%
Selenium	82-1	10.04	10.36	10.31	10.24	1.68	ppb
Selenium	77-2	10.51	10.62	11.97	11.03	7.38	ppb
Selenium	78-2	10.31	10.18	9.89	10.13	2.13	ppb
Silicon	28-1	1.57	1.42	1.62	1.54	6.80	ppb
Silver	107-1	1.95	1.95	1.92	1.94	0.81	ppb
Silver	109-1	1.91	1.95	1.93	1.93	1.12	ppb
Sodium	23-2	953.08	953.56	964.36	957.00	0.67	ppb
Strontium	86-1	49.49	49.32	48.56	49.12	1.01	ppb
Strontium	88-1	47.57	48.44	47.91	47.97	0.91	ppb
Sulfur	34-1	410.62	465.45	483.56	453.21	8.38	ppb
Terbium	159-1				97		%
Terbium	159-2				96		%
Thallium	203-1	1.82	1.77	1.80	1.80	1.48	ppb
Thallium	205-1	1.80	1.78	1.82	1.80	0.92	ppb
Tin	118-1	0.02	0.01	0.00	0.01	118.73	ppb
Titanium	47-1	9.15	9.23	9.34	9.24	1.00	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165238BS	Instrumnet Name :	P7
Client Sample ID :	LCS238	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 21:38:40	DataFile Name :	093LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.67	1.65	1.67	1.67	0.59	ppb
Vanadium	51-2	9.36	9.15	9.46	9.32	1.70	ppb
Yttrium	89-1				93		%
Yttrium	89-2				92		%
Zinc	66-2	10.41	10.72	10.59	10.57	1.46	ppb
Zirconium	90-1	1.84	1.85	1.84	1.85	0.24	ppb
Zirconium	91-1	1.84	1.86	1.90	1.87	1.72	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4917-01	Instrumnet Name :	P7
Client Sample ID :	MX1007	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 21:48:28	DataFile Name :	096SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	14303.95	14103.56	14067.84	14158.45	0.90	ppb
Antimony	121-1	210.31	211.41	205.79	209.17	1.42	ppb
Arsenic	75-2	471.39	469.84	473.44	471.56	0.38	ppb
Barium	135-1	927.49	925.61	892.10	915.07	2.18	ppb
Barium	137-1	922.29	932.31	897.15	917.25	1.97	ppb
Beryllium	9-1	380.55	374.10	356.88	370.51	3.30	ppb
Bismuth	209-1				102		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	253.14	251.68	244.04	249.62	1.96	ppb
Cadmium	106-1	248.53	249.20	240.58	246.10	1.95	ppb
Cadmium	111-1	284.58	288.94	276.32	283.28	2.26	ppb
Calcium	43-1	14955.70	15002.00	14669.30	14875.66	1.21	ppb
Calcium	44-1	14066.90	14061.32	13640.01	13922.74	1.76	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	591.15	594.62	600.78	595.52	0.82	ppb
Cobalt	59-2	438.86	437.04	431.21	435.71	0.92	ppb
Copper	63-2	312.66	308.69	307.27	309.54	0.90	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				99		%
Indium	115-1				94		%
Indium	115-2				90		%
Iron	56-2	19538.33	19535.11	19270.14	19447.86	0.79	ppb
Iron	57-2	19441.46	19342.81	19305.46	19363.24	0.36	ppb
Iron	54-2	19871.63	19850.36	19896.66	19872.89	0.12	ppb
Krypton	83-1						cps

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4917-01	Instrumnet Name :	P7
Client Sample ID :	MX1007	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 21:48:28	DataFile Name :	096SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	381.64	381.17	384.09	382.30	0.41	ppb
Lead	207-1	364.19	368.45	360.47	364.37	1.10	ppb
Lead	208-1	373.24	373.15	366.93	371.11	0.97	ppb
Lithium	6-1				105		%
Magnesium	24-2	4505.10	4486.66	4457.69	4483.15	0.53	ppb
Manganese	55-2	1013.66	1013.27	1010.45	1012.46	0.17	ppb
Molybdenum	94-1	121.09	121.42	118.32	120.27	1.42	ppb
Molybdenum	95-1	113.71	114.05	110.10	112.62	1.95	ppb
Molybdenum	96-1	114.86	112.60	110.59	112.68	1.90	ppb
Molybdenum	97-1	113.09	114.53	112.23	113.28	1.02	ppb
Molybdenum	98-1	112.54	112.66	109.42	111.54	1.65	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	332.86	331.98	328.21	331.02	0.75	ppb
Phosphorus	31-2	564.39	561.07	554.14	559.86	0.93	ppb
Potassium	39-2	3407.29	3374.94	3355.39	3379.21	0.78	ppb
Rhodium	103-1				91		%
Rhodium	103-2				92		%
Scandium	45-1				88		%
Scandium	45-2				88		%
Selenium	82-1	268.69	267.59	264.01	266.76	0.92	ppb
Selenium	77-2	262.43	259.51	266.15	262.70	1.27	ppb
Selenium	78-2	260.38	259.32	261.25	260.32	0.37	ppb
Silicon	28-1	279.97	278.39	270.85	276.41	1.76	ppb
Silver	107-1	127.28	126.55	121.96	125.26	2.30	ppb
Silver	109-1	126.98	125.51	122.22	124.91	1.95	ppb
Sodium	23-2	1163.77	1156.25	1180.64	1166.89	1.07	ppb
Strontium	86-1	13501.74	13382.34	13203.65	13362.58	1.12	ppb
Strontium	88-1	13348.81	13284.97	13081.84	13238.54	1.05	ppb
Sulfur	34-1	401.59	324.82	183.23	303.22	36.53	ppb
Terbium	159-1				100		%
Terbium	159-2				98		%
Thallium	203-1	433.52	428.76	424.54	428.94	1.05	ppb
Thallium	205-1	431.52	434.83	430.60	432.32	0.51	ppb
Tin	118-1	252.25	251.44	245.82	249.83	1.40	ppb
Titanium	47-1	571.21	584.61	582.28	579.36	1.24	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4917-01	Instrumnet Name :	P7
Client Sample ID :	MX1007	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 21:48:28	DataFile Name :	096SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	414.34	415.12	409.04	412.83	0.80	ppb
Vanadium	51-2	284.35	286.31	288.39	286.35	0.70	ppb
Yttrium	89-1				97		%
Yttrium	89-2				95		%
Zinc	66-2	1028.23	1015.01	994.83	1012.69	1.66	ppb
Zirconium	90-1	15.27	15.29	15.00	15.19	1.06	ppb
Zirconium	91-1	15.31	15.29	15.26	15.29	0.17	ppb

Reviewed By:jaswal
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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4917-04	Instrumnet Name :	P7
Client Sample ID :	MX1010	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 22:02:36	DataFile Name :	101SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1496.57	1509.07	1493.72	1499.79	0.54	ppb
Antimony	121-1	23.66	23.86	23.97	23.83	0.66	ppb
Arsenic	75-2	25.54	25.60	25.75	25.63	0.42	ppb
Barium	135-1	2790.02	2860.54	2822.93	2824.50	1.25	ppb
Barium	137-1	2807.13	2836.72	2780.14	2807.99	1.01	ppb
Beryllium	9-1	31.18	31.83	30.84	31.28	1.61	ppb
Bismuth	209-1				104		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	66.67	67.34	68.28	67.43	1.20	ppb
Cadmium	106-1	64.31	63.96	63.34	63.87	0.77	ppb
Cadmium	111-1	75.86	76.94	75.24	76.01	1.13	ppb
Calcium	43-1	-3.98	-2.73	-1.11	-2.61		ppb
Calcium	44-1	-4.38	-3.85	-3.96	-4.06		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	177.22	175.26	176.41	176.30	0.56	ppb
Cobalt	59-2	0.48	0.48	0.48	0.48	0.88	ppb
Copper	63-2	2842.96	2797.92	2825.55	2822.14	0.80	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				99		%
Indium	115-1				96		%
Indium	115-2				93		%
Iron	56-2	2459.26	2464.82	2416.03	2446.70	1.09	ppb
Iron	57-2	2509.37	2535.83	2495.90	2513.70	0.81	ppb
Iron	54-2	2706.49	2694.14	2675.26	2691.96	0.58	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4917-04	Instrumnet Name :	P7
Client Sample ID :	MX1010	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 22:02:36	DataFile Name :	101SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	144.10	143.60	146.04	144.58	0.89	ppb
Lead	207-1	134.73	138.89	138.78	137.47	1.73	ppb
Lead	208-1	139.37	140.21	140.72	140.10	0.49	ppb
Lithium	6-1				91		%
Magnesium	24-2	1.94	2.05	2.17	2.05	5.44	ppb
Manganese	55-2	826.28	819.29	822.15	822.57	0.43	ppb
Molybdenum	94-1	94.81	96.46	95.44	95.57	0.87	ppb
Molybdenum	95-1	115.07	116.35	114.62	115.35	0.78	ppb
Molybdenum	96-1	113.28	116.28	110.94	113.50	2.36	ppb
Molybdenum	97-1	114.43	116.90	115.15	115.49	1.10	ppb
Molybdenum	98-1	113.54	116.18	113.18	114.30	1.43	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	626.65	629.60	619.68	625.31	0.81	ppb
Phosphorus	31-2	-17.60	-20.28	-21.37	-19.75		ppb
Potassium	39-2	12.83	12.26	14.13	13.07	7.36	ppb
Rhodium	103-1				94		%
Rhodium	103-2				93		%
Scandium	45-1				88		%
Scandium	45-2				87		%
Selenium	82-1	134.20	139.54	136.01	136.58	1.99	ppb
Selenium	77-2	138.59	127.36	130.36	132.10	4.40	ppb
Selenium	78-2	133.94	134.83	128.83	132.53	2.44	ppb
Silicon	28-1	15.52	15.27	14.76	15.18	2.54	ppb
Silver	107-1	167.59	169.58	171.41	169.53	1.13	ppb
Silver	109-1	169.94	172.74	170.98	171.22	0.83	ppb
Sodium	23-2	28.18	28.24	27.96	28.12	0.53	ppb
Strontium	86-1	1.35	1.31	1.87	1.51	20.74	ppb
Strontium	88-1	1.78	1.82	1.76	1.79	1.66	ppb
Sulfur	34-1	-145.90	-227.96	-259.56	-211.14		ppb
Terbium	159-1				101		%
Terbium	159-2				98		%
Thallium	203-1	13.40	13.43	13.50	13.44	0.37	ppb
Thallium	205-1	13.35	13.56	13.41	13.44	0.80	ppb
Tin	118-1	0.00	0.01	0.00	0.00	120.73	ppb
Titanium	47-1	0.14	0.15	0.11	0.13	17.47	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4917-04	Instrumnet Name :	P7
Client Sample ID :	MX1010	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 22:02:36	DataFile Name :	101SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	6.79	ppb
Vanadium	51-2	1057.66	1046.06	1053.53	1052.42	0.56	ppb
Yttrium	89-1				93		%
Yttrium	89-2				91		%
Zinc	66-2	824.83	831.28	819.81	825.31	0.70	ppb
Zirconium	90-1	0.06	0.06	0.06	0.06	0.49	ppb
Zirconium	91-1	0.09	0.08	0.08	0.08	6.10	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4917-04DLX2	Instrumnet Name :	P7
Client Sample ID :	MX1010	Dilution Factor :	2
Date & Time Acquired :	2024-11-27 22:06:19	DataFile Name :	102SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	755.33	757.31	754.77	755.81	0.18	ppb
Antimony	121-1	11.77	11.83	11.99	11.86	0.97	ppb
Arsenic	75-2	12.93	12.76	12.81	12.83	0.67	ppb
Barium	135-1	1411.70	1397.37	1417.10	1408.72	0.72	ppb
Barium	137-1	1408.08	1406.90	1426.11	1413.70	0.76	ppb
Beryllium	9-1	15.67	15.56	15.03	15.42	2.22	ppb
Bismuth	209-1				103		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	33.13	33.01	33.11	33.08	0.19	ppb
Cadmium	106-1	31.32	30.98	32.52	31.61	2.57	ppb
Cadmium	111-1	37.67	37.42	38.21	37.77	1.06	ppb
Calcium	43-1	-2.74	-3.61	-3.57	-3.31		ppb
Calcium	44-1	-4.23	-4.22	-4.73	-4.39		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	88.47	88.53	87.07	88.02	0.94	ppb
Cobalt	59-2	0.23	0.23	0.25	0.24	4.56	ppb
Copper	63-2	1424.15	1432.43	1412.39	1422.99	0.71	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				97		%
Indium	115-1				95		%
Indium	115-2				90		%
Iron	56-2	1234.78	1240.05	1226.83	1233.89	0.54	ppb
Iron	57-2	1264.67	1268.43	1253.48	1262.20	0.62	ppb
Iron	54-2	1346.49	1347.57	1349.23	1347.77	0.10	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4917-04DLX2	Instrumnet Name :	P7
Client Sample ID :	MX1010	Dilution Factor :	2
Date & Time Acquired :	2024-11-27 22:06:19	DataFile Name :	102SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	72.02	72.02	72.13	72.06	0.09	ppb
Lead	207-1	68.29	68.11	68.25	68.22	0.14	ppb
Lead	208-1	69.78	69.90	69.96	69.88	0.13	ppb
Lithium	6-1				93		%
Magnesium	24-2	1.56	1.30	1.41	1.43	9.16	ppb
Manganese	55-2	412.22	422.19	409.76	414.72	1.59	ppb
Molybdenum	94-1	47.07	46.95	47.80	47.27	0.96	ppb
Molybdenum	95-1	57.30	56.52	57.34	57.05	0.81	ppb
Molybdenum	96-1	55.92	55.38	56.31	55.87	0.83	ppb
Molybdenum	97-1	57.66	56.81	57.78	57.42	0.92	ppb
Molybdenum	98-1	57.41	56.51	57.84	57.25	1.19	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	319.21	318.52	314.29	317.34	0.84	ppb
Phosphorus	31-2	-19.85	-17.94	-17.43	-18.41		ppb
Potassium	39-2	8.06	7.36	7.16	7.53	6.32	ppb
Rhodium	103-1				92		%
Rhodium	103-2				92		%
Scandium	45-1				86		%
Scandium	45-2				86		%
Selenium	82-1	66.97	66.59	68.34	67.30	1.37	ppb
Selenium	77-2	66.22	62.81	62.73	63.92	3.12	ppb
Selenium	78-2	66.06	65.97	66.39	66.14	0.34	ppb
Silicon	28-1	5.97	7.00	6.24	6.40	8.39	ppb
Silver	107-1	85.54	83.16	86.21	84.97	1.89	ppb
Silver	109-1	85.22	85.30	86.55	85.69	0.87	ppb
Sodium	23-2	13.46	13.56	13.72	13.58	0.94	ppb
Strontium	86-1	0.71	0.87	0.84	0.81	10.79	ppb
Strontium	88-1	0.90	0.89	0.91	0.90	1.25	ppb
Sulfur	34-1	-312.98	-281.94	-299.57	-298.16		ppb
Terbium	159-1				99		%
Terbium	159-2				97		%
Thallium	203-1	6.68	6.66	6.63	6.66	0.36	ppb
Thallium	205-1	6.69	6.67	6.69	6.68	0.19	ppb
Tin	118-1	0.00	-0.01	-0.01	-0.01		ppb
Titanium	47-1	0.13	0.12	0.10	0.11	14.27	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4917-04DLX2	Instrumnet Name :	P7
Client Sample ID :	MX1010	Dilution Factor :	2
Date & Time Acquired :	2024-11-27 22:06:19	DataFile Name :	102SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	86.81	ppb
Vanadium	51-2	528.87	531.09	521.88	527.28	0.91	ppb
Yttrium	89-1				92		%
Yttrium	89-2				89		%
Zinc	66-2	415.46	414.41	414.72	414.86	0.13	ppb
Zirconium	90-1	0.03	0.03	0.04	0.03	22.12	ppb
Zirconium	91-1	0.04	0.05	0.05	0.05	11.11	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	CCV004	Instrumnet Name :	P7
Client Sample ID :	CCV004	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 22:14:19	DataFile Name :	104CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	47799.01	47558.43	48158.65	47838.70	0.63	ppb
Antimony	121-1	473.82	479.53	481.87	478.40	0.87	ppb
Arsenic	75-2	507.04	500.89	506.43	504.79	0.67	ppb
Barium	135-1	2354.17	2386.90	2419.88	2386.98	1.38	ppb
Barium	137-1	2365.65	2403.23	2407.21	2392.03	0.96	ppb
Beryllium	9-1	515.55	513.44	511.99	513.66	0.35	ppb
Bismuth	209-1				89		%
Bismuth	209-2				87		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	480.23	491.82	493.81	488.62	1.50	ppb
Cadmium	106-1	473.07	487.93	487.93	482.98	1.78	ppb
Cadmium	111-1	476.16	488.82	489.44	484.81	1.55	ppb
Calcium	43-1	237763.09	243414.86	247153.49	242777.15	1.95	ppb
Calcium	44-1	237301.30	243423.32	246472.99	242399.20	1.93	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	468.04	470.26	471.18	469.83	0.34	ppb
Cobalt	59-2	509.22	510.82	506.50	508.85	0.43	ppb
Copper	63-2	4678.22	4680.27	4699.94	4686.14	0.26	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				96		%
Holmium	165-2				94		%
Indium	115-1				87		%
Indium	115-2				84		%
Iron	56-2	122507.46	121685.49	123223.38	122472.11	0.63	ppb
Iron	57-2	121467.65	121908.65	123123.01	122166.44	0.70	ppb
Iron	54-2	122996.94	123376.32	124256.44	123543.24	0.52	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	CCV004	Instrumnet Name :	P7
Client Sample ID :	CCV004	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 22:14:19	DataFile Name :	104CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2412.24	2444.61	2444.95	2433.93	0.77	ppb
Lead	207-1	2399.01	2438.49	2430.40	2422.63	0.86	ppb
Lead	208-1	2397.73	2424.67	2433.38	2418.59	0.77	ppb
Lithium	6-1				90		%
Magnesium	24-2	237824.43	237448.32	239592.21	238288.32	0.48	ppb
Manganese	55-2	4924.75	4950.22	4982.73	4952.57	0.59	ppb
Molybdenum	94-1	4761.16	4859.03	4833.52	4817.90	1.05	ppb
Molybdenum	95-1	4749.44	4881.31	4846.39	4825.71	1.42	ppb
Molybdenum	96-1	4708.44	4829.06	4810.69	4782.73	1.36	ppb
Molybdenum	97-1	4739.28	4818.00	4853.50	4803.59	1.22	ppb
Molybdenum	98-1	4746.22	4804.56	4821.87	4790.88	0.83	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	503.31	500.18	510.28	504.59	1.02	ppb
Phosphorus	31-2	9715.89	9659.46	9718.42	9697.92	0.34	ppb
Potassium	39-2	119011.78	118217.31	118458.40	118562.50	0.34	ppb
Rhodium	103-1				82		%
Rhodium	103-2				80		%
Scandium	45-1				85		%
Scandium	45-2				86		%
Selenium	82-1	478.88	489.08	487.80	485.25	1.15	ppb
Selenium	77-2	487.16	480.29	490.25	485.90	1.05	ppb
Selenium	78-2	489.27	485.59	489.50	488.12	0.45	ppb
Silicon	28-1	439.07	449.08	458.78	448.98	2.20	ppb
Silver	107-1	458.97	471.32	471.77	467.36	1.55	ppb
Silver	109-1	460.87	472.60	470.29	467.92	1.33	ppb
Sodium	23-2	235049.89	236645.31	237246.50	236313.90	0.48	ppb
Strontium	86-1	11766.38	12028.97	12070.79	11955.38	1.38	ppb
Strontium	88-1	11848.16	11936.82	11945.91	11910.30	0.45	ppb
Sulfur	34-1	8837.93	8999.24	9197.90	9011.69	2.00	ppb
Terbium	159-1				95		%
Terbium	159-2				93		%
Thallium	203-1	484.61	489.48	485.14	486.41	0.55	ppb
Thallium	205-1	483.71	490.94	489.40	488.02	0.78	ppb
Tin	118-1	466.01	482.91	476.82	475.24	1.80	ppb
Titanium	47-1	4656.05	4734.36	4756.81	4715.74	1.12	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	CCV004	Instrumnet Name :	P7
Client Sample ID :	CCV004	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 22:14:19	DataFile Name :	104CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	482.75	489.12	496.00	489.29	1.35	ppb
Vanadium	51-2	474.41	476.39	479.70	476.83	0.56	ppb
Yttrium	89-1				88		%
Yttrium	89-2				86		%
Zinc	66-2	4743.63	4726.39	4809.36	4759.80	0.92	ppb
Zirconium	90-1	471.24	483.66	485.57	480.16	1.62	ppb
Zirconium	91-1	471.36	489.66	490.78	483.93	2.25	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	CCB004	Instrumnet Name :	P7
Client Sample ID :	CCB004	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 22:17:20	DataFile Name :	105CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	11.74	8.77	7.53	9.35	23.18	ppb
Antimony	121-1	0.12	0.31	0.29	0.24	43.30	ppb
Arsenic	75-2	0.20	0.13	0.10	0.14	35.55	ppb
Barium	135-1	0.16	0.92	0.57	0.55	68.82	ppb
Barium	137-1	0.16	0.91	0.58	0.55	68.57	ppb
Beryllium	9-1	0.09	0.12	0.12	0.11	13.47	ppb
Bismuth	209-1				102		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.02	0.40	0.11	0.18	111.20	ppb
Cadmium	106-1	-0.90	-0.72	-0.25	-0.62		ppb
Cadmium	111-1	-0.02	0.29	0.08	0.11	139.56	ppb
Calcium	43-1	13.87	29.94	54.07	32.63	62.01	ppb
Calcium	44-1	14.61	31.85	49.47	31.98	54.50	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.21	0.15	0.12	0.16	28.71	ppb
Cobalt	59-2	0.17	0.13	0.10	0.13	27.06	ppb
Copper	63-2	1.23	0.93	0.79	0.98	22.89	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				98		%
Holmium	165-2				97		%
Indium	115-1				95		%
Indium	115-2				91		%
Iron	56-2	27.01	20.48	16.96	21.48	23.74	ppb
Iron	57-2	27.46	20.09	17.86	21.80	23.05	ppb
Iron	54-2	27.80	21.30	17.10	22.07	24.45	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	CCB004	Instrumnet Name :	P7
Client Sample ID :	CCB004	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 22:17:20	DataFile Name :	105CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.17	0.37	0.37	0.31	38.13	ppb
Lead	207-1	0.17	0.32	0.38	0.29	36.35	ppb
Lead	208-1	0.17	0.34	0.37	0.29	37.09	ppb
Lithium	6-1				99		%
Magnesium	24-2	47.90	36.23	30.05	38.06	23.82	ppb
Manganese	55-2	1.23	0.92	0.71	0.95	27.12	ppb
Molybdenum	94-1	0.34	0.44	0.64	0.47	32.90	ppb
Molybdenum	95-1	0.30	0.45	0.65	0.47	36.91	ppb
Molybdenum	96-1	0.30	0.44	0.63	0.46	36.07	ppb
Molybdenum	97-1	0.31	0.43	0.64	0.46	36.59	ppb
Molybdenum	98-1	0.30	0.43	0.63	0.46	36.33	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.57	0.51	0.59	0.56	7.23	ppb
Phosphorus	31-2	-15.45	-16.14	-16.26	-15.95		ppb
Potassium	39-2	25.29	20.95	18.22	21.49	16.60	ppb
Rhodium	103-1				93		%
Rhodium	103-2				91		%
Scandium	45-1				88		%
Scandium	45-2				87		%
Selenium	82-1	-0.31	-0.07	-0.03	-0.13		ppb
Selenium	77-2	0.28	0.19	0.09	0.19	49.50	ppb
Selenium	78-2	-0.47	-0.87	-0.28	-0.54		ppb
Silicon	28-1	-5.61	-5.52	-5.47	-5.53		ppb
Silver	107-1	0.06	0.13	0.08	0.09	45.44	ppb
Silver	109-1	0.06	0.27	0.08	0.14	85.43	ppb
Sodium	23-2	47.48	37.88	32.78	39.38	18.95	ppb
Strontium	86-1	1.00	2.02	3.41	2.14	56.54	ppb
Strontium	88-1	0.92	2.24	3.92	2.36	63.95	ppb
Sulfur	34-1	2.71	33.85	41.46	26.00	78.96	ppb
Terbium	159-1				98		%
Terbium	159-2				97		%
Thallium	203-1	0.11	0.20	0.16	0.16	27.29	ppb
Thallium	205-1	0.11	0.17	0.16	0.15	21.77	ppb
Tin	118-1	0.01	0.20	0.08	0.10	93.91	ppb
Titanium	47-1	0.26	0.43	0.62	0.43	41.02	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	CCB004	Instrumnet Name :	P7
Client Sample ID :	CCB004	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 22:17:20	DataFile Name :	105CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.03	0.08	0.09	0.07	51.56	ppb
Vanadium	51-2	0.23	0.18	0.15	0.19	22.11	ppb
Yttrium	89-1				92		%
Yttrium	89-2				90		%
Zinc	66-2	1.22	0.96	0.78	0.99	22.44	ppb
Zirconium	90-1	0.04	0.05	0.07	0.05	31.54	ppb
Zirconium	91-1	0.03	0.04	0.07	0.05	45.72	ppb

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 16:10:16	DataFile Name :	006CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	253	250	267	257	3.44	cps
Antimony	121-1	50	60	50	53	10.83	cps
Arsenic	75-2	17	17	17	17	0.00	cps
Barium	135-1	113	133	113	120	9.62	cps
Barium	137-1	200	150	190	180	14.70	cps
Beryllium	9-1	106	117	106	109	5.87	cps
Bismuth	209-1	16756844	16476610	16330489	16521314	1.31	cps
Bismuth	209-2	12800379	12758255	12617754	12725462	0.75	cps
Bromine	81-1	18765	18735	18922	18808	0.53	cps
Bromine	81-2	143	153	190	162	15.14	cps
Cadmium	108-1	20	10	20	17	34.64	cps
Cadmium	106-1	6955	7008	7035	7000	0.58	cps
Cadmium	111-1	4905	4936	4971	4937	0.67	cps
Calcium	43-1	993	1023	977	998	2.37	cps
Calcium	44-1	27679	27615	27709	27668	0.17	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2640	2714	2514	2622	3.86	cps
Cobalt	59-2	163	187	200	183	10.12	cps
Copper	63-2	1413	1460	1427	1433	1.68	cps
Dysprosium	156-1	33	33	17	28	34.63	cps
Dysprosium	156-2	10	3	0	4	114.60	cps
Erbium	164-1	77	110	87	91	18.77	cps
Erbium	164-2	77	67	83	76	11.10	cps
Gadolinium	160-1	117	120	130	122	5.68	cps
Gadolinium	160-2	1033	1127	1100	1087	4.42	cps
Holmium	165-1	27279058	26797926	26543892	26873625	1.39	cps
Holmium	165-2	18259437	18228441	17783968	18090615	1.47	cps
Indium	115-1	22247041	22064972	21950970	22087661	0.68	cps
Indium	115-2	7826725	7695795	7780002	7767507	0.85	cps
Iron	56-2	28510	28026	28126	28221	0.91	cps
Iron	57-2	1407	1467	1350	1408	4.14	cps
Iron	54-2	3464	3324	3497	3428	2.68	cps
Krypton	83-1	313	297	283	298	5.05	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 16:10:16	DataFile Name :	006CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	940	973	870	928	5.68	cps
Lead	207-1	817	787	890	831	6.40	cps
Lead	208-1	3714	3784	3730	3742	0.98	cps
Lithium	6-1	2285394	2397393	2401018	2361268	2.78	cps
Magnesium	24-2	2105	2179	2166	2150	1.82	cps
Manganese	55-2	1757	1860	1800	1806	2.87	cps
Molybdenum	94-1	493	547	510	517	5.28	cps
Molybdenum	95-1	300	263	263	276	7.68	cps
Molybdenum	96-1	517	447	437	467	9.34	cps
Molybdenum	97-1	190	193	207	197	4.48	cps
Molybdenum	98-1	487	420	463	457	7.41	cps
Neodymium	150-1	27	10	10	16	61.87	cps
Neodymium	150-2	3	3	3	3	0.00	cps
Nickel	60-2	1706	1638	1939	1761	8.97	cps
Phosphorus	31-2	310	273	320	301	8.16	cps
Potassium	39-2	70924	71192	71557	71224	0.45	cps
Rhodium	103-1	21335334	21300700	20861461	21165831	1.25	cps
Rhodium	103-2	12647541	12506006	12400086	12517878	0.99	cps
Scandium	45-1	11942927	11832034	11705515	11826825	1.00	cps
Scandium	45-2	1028799	1017656	1017798	1021417	0.63	cps
Selenium	82-1	898	903	874	892	1.78	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	587	547	497	543	8.30	cps
Silicon	28-1	1295913	1255634	1246523	1266023	2.08	cps
Silver	107-1	150	123	130	134	10.32	cps
Silver	109-1	57	60	40	52	20.52	cps
Sodium	23-2	38605	38732	38775	38704	0.23	cps
Strontium	86-1	543	620	590	584	6.61	cps
Strontium	88-1	593	697	683	658	8.55	cps
Sulfur	34-1	296475	294440	291920	294278	0.78	cps
Terbium	159-1	27313906	27456743	27395098	27388582	0.26	cps
Terbium	159-2	17935396	17741748	17725751	17800965	0.66	cps
Thallium	203-1	417	403	383	401	4.18	cps
Thallium	205-1	917	887	933	912	2.59	cps
Tin	118-1	5238	5218	5268	5241	0.48	cps
Titanium	47-1	133	187	200	173	20.35	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 16:10:16	DataFile Name :	006CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	53	30	43	42	27.72	cps
Vanadium	51-2	20	17	37	24	43.83	cps
Yttrium	89-1	25616180	25755300	25481412	25617631	0.53	cps
Yttrium	89-2	6627806	6635713	6560658	6608059	0.62	cps
Zinc	66-2	1320	1297	1270	1296	1.93	cps
Zirconium	90-1	1267	1077	1157	1167	8.18	cps
Zirconium	91-1	243	227	207	226	8.14	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P7
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 16:16:54	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	10013	10193	9993	10067	1.10	cps
Antimony	121-1	49863	49655	48725	49414	1.23	cps
Arsenic	75-2	1357	1450	1360	1389	3.81	cps
Barium	135-1	61452	61057	61268	61259	0.32	cps
Barium	137-1	106176	104628	104725	105176	0.82	cps
Beryllium	9-1	2750	2773	2600	2708	3.46	cps
Bismuth	209-1	16556757	16337191	16146345	16346764	1.26	cps
Bismuth	209-2	12763104	12573861	12567617	12634861	0.88	cps
Bromine	81-1	18829	18712	18492	18677	0.92	cps
Bromine	81-2	133	107	63	101	34.95	cps
Cadmium	108-1	570	473	473	506	11.04	cps
Cadmium	106-1	8192	7745	7532	7823	4.31	cps
Cadmium	111-1	12157	11772	11813	11914	1.78	cps
Calcium	43-1	33731	33554	33337	33540	0.59	cps
Calcium	44-1	557780	556822	553244	555949	0.43	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	22734	22520	22540	22598	0.52	cps
Cobalt	59-2	17127	17407	17123	17219	0.95	cps
Copper	63-2	24604	24253	24610	24489	0.83	cps
Dysprosium	156-1	37	33	30	33	10.01	cps
Dysprosium	156-2	7	17	40	21	81.01	cps
Erbium	164-1	100	107	97	101	5.04	cps
Erbium	164-2	87	60	33	60	44.45	cps
Gadolinium	160-1	130	143	133	136	5.12	cps
Gadolinium	160-2	1007	1083	1047	1046	3.67	cps
Holmium	165-1	27049863	26274170	26248359	26524131	1.72	cps
Holmium	165-2	17797960	17579879	17660268	17679369	0.62	cps
Indium	115-1	22144221	22040033	21477158	21887137	1.64	cps
Indium	115-2	7670070	7609597	7512114	7597260	1.05	cps
Iron	56-2	502004	505129	504231	503788	0.32	cps
Iron	57-2	14063	13890	14551	14168	2.42	cps
Iron	54-2	29846	30845	29856	30182	1.90	cps
Krypton	83-1	330	297	317	314	5.34	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P7
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 16:16:54	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	19347	19154	19157	19219	0.58	cps
Lead	207-1	17164	16590	16981	16912	1.73	cps
Lead	208-1	78011	77003	76979	77331	0.76	cps
Lithium	6-1	2447911	2405206	2365370	2406162	1.72	cps
Magnesium	24-2	436984	434385	432228	434532	0.55	cps
Manganese	55-2	9473	9683	9316	9491	1.94	cps
Molybdenum	94-1	52490	49928	50778	51065	2.56	cps
Molybdenum	95-1	62951	62375	63038	62788	0.57	cps
Molybdenum	96-1	69367	69815	69196	69459	0.46	cps
Molybdenum	97-1	38654	39012	38544	38737	0.63	cps
Molybdenum	98-1	100781	101187	100691	100886	0.26	cps
Neodymium	150-1	17	27	17	20	28.86	cps
Neodymium	150-2	7	10	3	7	50.03	cps
Nickel	60-2	6891	6978	6846	6905	0.98	cps
Phosphorus	31-2	1100	1193	1130	1141	4.18	cps
Potassium	39-2	606722	611063	605675	607820	0.47	cps
Rhodium	103-1	21280980	20844583	20741787	20955783	1.37	cps
Rhodium	103-2	12245603	12079943	12168176	12164574	0.68	cps
Scandium	45-1	11973898	11677137	11637912	11762982	1.56	cps
Scandium	45-2	1008128	1013438	1003159	1008242	0.51	cps
Selenium	82-1	2967	2881	2915	2921	1.47	cps
Selenium	77-2	200	203	217	207	4.27	cps
Selenium	78-2	1060	1197	1197	1151	6.85	cps
Silicon	28-1	1291616	1298919	1322483	1304339	1.24	cps
Silver	107-1	32810	33378	32921	33036	0.91	cps
Silver	109-1	31160	31207	31447	31271	0.49	cps
Sodium	23-2	703835	701082	699776	701564	0.30	cps
Strontium	86-1	8349	8152	8216	8239	1.22	cps
Strontium	88-1	69640	68297	68602	68847	1.02	cps
Sulfur	34-1	305652	306689	302973	305105	0.63	cps
Terbium	159-1	27269368	27257631	26654195	27060398	1.30	cps
Terbium	159-2	17467361	17672405	17552251	17564006	0.59	cps
Thallium	203-1	23009	23517	23080	23202	1.19	cps
Thallium	205-1	54974	56647	55613	55745	1.51	cps
Tin	118-1	110452	110503	107588	109514	1.52	cps
Titanium	47-1	15251	15601	15188	15347	1.45	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P7
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 16:16:54	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	67822	68049	66960	67610	0.85	cps
Vanadium	51-2	42961	43522	42399	42961	1.31	cps
Yttrium	89-1	25764544	25125652	25115058	25335085	1.47	cps
Yttrium	89-2	6527745	6506470	6354878	6463031	1.46	cps
Zinc	66-2	11324	11078	11274	11225	1.16	cps
Zirconium	90-1	43317	42859	42167	42781	1.35	cps
Zirconium	91-1	9720	9620	9213	9518	2.82	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P7
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 16:20:12	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	508204	501041	503338	504195	0.73	cps
Antimony	121-1	1188155	1201783	1199808	1196582	0.62	cps
Arsenic	75-2	61360	61540	62153	61684	0.67	cps
Barium	135-1	1511058	1517503	1514723	1514428	0.21	cps
Barium	137-1	2637170	2615779	2614489	2622479	0.49	cps
Beryllium	9-1	121448	123016	121918	122128	0.66	cps
Bismuth	209-1	15306580	15616305	15684298	15535728	1.30	cps
Bismuth	209-2	12202929	11789061	12004382	11998791	1.73	cps
Bromine	81-1	17561	17771	17230	17521	1.56	cps
Bromine	81-2	120	113	90	108	14.62	cps
Cadmium	108-1	24364	24424	24664	24484	0.65	cps
Cadmium	106-1	40292	40958	41051	40767	1.01	cps
Cadmium	111-1	328657	328819	331998	329825	0.57	cps
Calcium	43-1	321649	322923	321387	321986	0.26	cps
Calcium	44-1	4945698	5050533	5060488	5018906	1.27	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	488925	490803	484900	488209	0.62	cps
Cobalt	59-2	788057	787462	778298	784606	0.70	cps
Copper	63-2	5907433	5852112	5833224	5864256	0.66	cps
Dysprosium	156-1	50	77	60	62	21.65	cps
Dysprosium	156-2	123	93	97	104	15.75	cps
Erbium	164-1	137	103	107	116	15.89	cps
Erbium	164-2	63	77	100	80	23.20	cps
Gadolinium	160-1	147	143	137	142	3.58	cps
Gadolinium	160-2	1010	880	1150	1013	13.33	cps
Holmium	165-1	24723243	25468167	25269340	25153584	1.53	cps
Holmium	165-2	17349808	16939401	17394206	17227805	1.46	cps
Indium	115-1	20198550	20592101	20684116	20491589	1.26	cps
Indium	115-2	7236532	7061737	6996879	7098382	1.75	cps
Iron	56-2	22631757	22575712	22581737	22596402	0.14	cps
Iron	57-2	590836	587690	577285	585270	1.21	cps
Iron	54-2	1300663	1288287	1286628	1291859	0.59	cps
Krypton	83-1	317	300	267	294	8.65	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P7
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 16:20:12	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4585386	4675460	4629420	4630089	0.97	cps
Lead	207-1	4014647	4133335	4157471	4101818	1.86	cps
Lead	208-1	18347467	18759165	18710900	18605844	1.21	cps
Lithium	6-1	2304441	2329754	2334711	2322968	0.70	cps
Magnesium	24-2	4374315	4321307	4388648	4361423	0.81	cps
Manganese	55-2	3804262	3771869	3785519	3787217	0.43	cps
Molybdenum	94-1	4301962	4339703	4261380	4301015	0.91	cps
Molybdenum	95-1	6253227	6360221	6178128	6263859	1.46	cps
Molybdenum	96-1	6813015	6895633	6730331	6812993	1.21	cps
Molybdenum	97-1	3893353	3892844	3894699	3893632	0.02	cps
Molybdenum	98-1	10082078	10205169	10153517	10146921	0.61	cps
Neodymium	150-1	103	93	80	92	12.69	cps
Neodymium	150-2	33	43	20	32	36.33	cps
Nickel	60-2	275952	272657	272806	273805	0.68	cps
Phosphorus	31-2	24917	25471	25348	25245	1.15	cps
Potassium	39-2	2674781	2624559	2585715	2628352	1.70	cps
Rhodium	103-1	19412103	19418753	19769390	19533415	1.05	cps
Rhodium	103-2	11513906	11337386	11226572	11359288	1.28	cps
Scandium	45-1	10902374	11008417	10852315	10921035	0.73	cps
Scandium	45-2	949406	925402	934690	936499	1.29	cps
Selenium	82-1	19264	19744	19696	19568	1.35	cps
Selenium	77-2	1860	1800	1930	1863	3.49	cps
Selenium	78-2	6928	6852	6531	6771	3.11	cps
Silicon	28-1	4230830	4298703	4288358	4272630	0.86	cps
Silver	107-1	1640360	1630588	1659481	1643477	0.89	cps
Silver	109-1	1575240	1582089	1595535	1584288	0.65	cps
Sodium	23-2	6933863	6922227	6879285	6911792	0.42	cps
Strontium	86-1	380041	380900	379910	380283	0.14	cps
Strontium	88-1	3224339	3351209	3248529	3274692	2.06	cps
Sulfur	34-1	378232	373834	369972	374013	1.10	cps
Terbium	159-1	25761293	25806263	26182141	25916566	0.89	cps
Terbium	159-2	16988922	16469156	16863210	16773763	1.62	cps
Thallium	203-1	1151479	1162347	1181042	1164956	1.28	cps
Thallium	205-1	2728823	2769497	2782521	2760280	1.01	cps
Tin	118-1	1028480	1045974	1040770	1038408	0.87	cps
Titanium	47-1	1473769	1489184	1471148	1478034	0.66	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P7
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 16:20:12	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	3566329	3592706	3573545	3577526	0.38	cps
Vanadium	51-2	417610	416685	417131	417142	0.11	cps
Yttrium	89-1	23457535	23786770	23645610	23629972	0.70	cps
Yttrium	89-2	6182158	6020166	5994457	6065594	1.68	cps
Zinc	66-2	938040	937789	928403	934744	0.59	cps
Zirconium	90-1	2094181	2101161	2133393	2109579	0.99	cps
Zirconium	91-1	461358	467147	468068	465524	0.78	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P7
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 16:23:11	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1228306	1207939	1203084	1213110	1.10	cps
Antimony	121-1	2938386	3012216	3036316	2995639	1.70	cps
Arsenic	75-2	150154	146814	146777	147915	1.31	cps
Barium	135-1	3741731	3778101	3724780	3748204	0.73	cps
Barium	137-1	6430564	6585113	6555357	6523678	1.26	cps
Beryllium	9-1	306332	308360	305447	306713	0.49	cps
Bismuth	209-1	16269094	16242808	16123285	16211729	0.48	cps
Bismuth	209-2	12369091	12255833	12364326	12329750	0.52	cps
Bromine	81-1	16159	16373	15945	16159	1.32	cps
Bromine	81-2	70	70	63	68	5.68	cps
Cadmium	108-1	59742	60703	59531	59992	1.04	cps
Cadmium	106-1	88836	88484	90724	89348	1.35	cps
Cadmium	111-1	790273	804850	807854	800992	1.17	cps
Calcium	43-1	763524	768529	767171	766408	0.34	cps
Calcium	44-1	11907613	11900318	11856660	11888197	0.23	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1149407	1144023	1143803	1145744	0.28	cps
Cobalt	59-2	1880640	1840315	1840830	1853929	1.25	cps
Copper	63-2	13917890	13899439	13758461	13858597	0.63	cps
Dysprosium	156-1	140	80	130	117	27.55	cps
Dysprosium	156-2	207	187	270	221	19.68	cps
Erbium	164-1	127	130	147	134	7.97	cps
Erbium	164-2	97	100	117	104	10.26	cps
Gadolinium	160-1	180	193	170	181	6.47	cps
Gadolinium	160-2	1033	1063	1163	1087	6.26	cps
Holmium	165-1	26375776	26479193	25943923	26266297	1.08	cps
Holmium	165-2	17479455	17447029	17555155	17493880	0.32	cps
Indium	115-1	20885218	20917854	20815911	20872995	0.25	cps
Indium	115-2	7067699	7027596	7089606	7061634	0.45	cps
Iron	56-2	53975649	53349163	52863231	53396014	1.04	cps
Iron	57-2	1351689	1381110	1370093	1367631	1.09	cps
Iron	54-2	2987772	2978614	2940004	2968797	0.85	cps
Krypton	83-1	227	263	280	257	10.63	cps

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P7
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 16:23:11	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	11623893	11720651	11823174	11722572	0.85	cps
Lead	207-1	10357095	10418233	10426628	10400652	0.36	cps
Lead	208-1	46672517	47274095	47360469	47102360	0.80	cps
Lithium	6-1	2465800	2474209	2422966	2454325	1.12	cps
Magnesium	24-2	10354017	10262211	10198986	10271738	0.76	cps
Manganese	55-2	9068717	8934857	8945474	8983016	0.83	cps
Molybdenum	94-1	10468271	10513489	10513635	10498465	0.25	cps
Molybdenum	95-1	15077095	15311915	15216246	15201752	0.78	cps
Molybdenum	96-1	16403613	16755126	16656407	16605049	1.09	cps
Molybdenum	97-1	9525000	9445204	9482410	9484205	0.42	cps
Molybdenum	98-1	24584573	24515485	24821140	24640399	0.65	cps
Neodymium	150-1	240	213	223	226	5.97	cps
Neodymium	150-2	27	33	63	41	47.50	cps
Nickel	60-2	650777	642774	642980	645510	0.71	cps
Phosphorus	31-2	58344	57183	56939	57489	1.31	cps
Potassium	39-2	6160800	6142552	6057562	6120305	0.90	cps
Rhodium	103-1	19542446	19408946	19538761	19496717	0.39	cps
Rhodium	103-2	11244257	11289506	11151392	11228385	0.63	cps
Scandium	45-1	11021170	10813314	10691127	10841870	1.54	cps
Scandium	45-2	915895	917011	914386	915764	0.14	cps
Selenium	82-1	45992	46562	45965	46173	0.73	cps
Selenium	77-2	4641	4541	4514	4565	1.46	cps
Selenium	78-2	15775	15829	15345	15649	1.70	cps
Silicon	28-1	8402733	8459047	8326980	8396254	0.79	cps
Silver	107-1	3973793	4028737	3922738	3975089	1.33	cps
Silver	109-1	3810964	3858495	3845152	3838204	0.64	cps
Sodium	23-2	16532694	16359056	16131034	16340928	1.23	cps
Strontium	86-1	920222	927828	925214	924421	0.42	cps
Strontium	88-1	7959637	8023466	8061511	8014871	0.64	cps
Sulfur	34-1	473404	475945	467494	472281	0.92	cps
Terbium	159-1	26939831	26707615	26299611	26649019	1.22	cps
Terbium	159-2	17164656	17247688	17279665	17230670	0.34	cps
Thallium	203-1	2974420	2949099	2976544	2966687	0.51	cps
Thallium	205-1	6908193	7133019	7040712	7027308	1.61	cps
Tin	118-1	2536207	2547325	2573619	2552384	0.75	cps
Titanium	47-1	3528073	3560036	3536687	3541599	0.47	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P7
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 16:23:11	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8949415	9241825	9248240	9146493	1.87	cps
Vanadium	51-2	991235	985364	970795	982464	1.07	cps
Yttrium	89-1	23957060	23927961	23834143	23906388	0.27	cps
Yttrium	89-2	6072332	5991409	5954044	6005928	1.01	cps
Zinc	66-2	2236240	2194215	2216761	2215739	0.95	cps
Zirconium	90-1	5021448	5092900	5139297	5084548	1.17	cps
Zirconium	91-1	1130706	1141479	1141730	1137972	0.55	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P7
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 16:25:58	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2282445	2273253	2269426	2275041	0.29	cps
Antimony	121-1	5647470	5737821	5713922	5699738	0.82	cps
Arsenic	75-2	278857	278412	278134	278467	0.13	cps
Barium	135-1	7181936	7305936	7294457	7260776	0.94	cps
Barium	137-1	12609996	12688486	12463628	12587370	0.91	cps
Beryllium	9-1	586584	585046	577379	583003	0.85	cps
Bismuth	209-1	15731458	15833374	15849149	15804660	0.40	cps
Bismuth	209-2	11975579	12022718	12092584	12030293	0.49	cps
Bromine	81-1	15191	15131	14524	14949	2.47	cps
Bromine	81-2	93	93	107	98	7.88	cps
Cadmium	108-1	114148	113694	113432	113758	0.32	cps
Cadmium	106-1	164004	164243	166778	165008	0.93	cps
Cadmium	111-1	1515051	1518031	1522369	1518484	0.24	cps
Calcium	43-1	1382139	1361008	1383439	1375529	0.92	cps
Calcium	44-1	22318051	22154456	22013907	22162138	0.69	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2177828	2154791	2146345	2159655	0.75	cps
Cobalt	59-2	3458376	3485002	3461009	3468129	0.42	cps
Copper	63-2	26018265	25742705	25687419	25816130	0.69	cps
Dysprosium	156-1	130	170	123	141	17.88	cps
Dysprosium	156-2	357	373	357	362	2.66	cps
Erbium	164-1	200	150	213	188	17.78	cps
Erbium	164-2	147	127	103	126	17.28	cps
Gadolinium	160-1	197	157	177	177	11.32	cps
Gadolinium	160-2	983	950	1030	988	4.07	cps
Holmium	165-1	25532314	25661448	25456387	25550050	0.41	cps
Holmium	165-2	17296165	17238498	17348016	17294226	0.32	cps
Indium	115-1	19674360	19815444	19849316	19779707	0.47	cps
Indium	115-2	6769735	6778646	6726773	6758385	0.41	cps
Iron	56-2	101099135	99996475	101087732	100727781	0.63	cps
Iron	57-2	2552651	2494290	2534097	2527012	1.18	cps
Iron	54-2	5575808	5610950	5547633	5578130	0.57	cps
Krypton	83-1	307	280	260	282	8.30	cps

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P7
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 16:25:58	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	23026320	23218185	23219355	23154620	0.48	cps
Lead	207-1	20269013	20288449	20613448	20390303	0.95	cps
Lead	208-1	92281815	92882022	93184761	92782866	0.50	cps
Lithium	6-1	2410152	2425617	2350165	2395311	1.66	cps
Magnesium	24-2	19421481	19317383	19353657	19364174	0.27	cps
Manganese	55-2	17072075	16917971	16943353	16977799	0.49	cps
Molybdenum	94-1	19948711	19935799	19821515	19902008	0.35	cps
Molybdenum	95-1	29073549	29044161	28891980	29003230	0.34	cps
Molybdenum	96-1	31787154	31554070	31231005	31524076	0.89	cps
Molybdenum	97-1	18079754	18063178	17996841	18046591	0.24	cps
Molybdenum	98-1	46747989	47338841	46837324	46974718	0.68	cps
Neodymium	150-1	370	397	410	392	5.19	cps
Neodymium	150-2	70	67	60	66	7.77	cps
Nickel	60-2	1191897	1201104	1199181	1197394	0.41	cps
Phosphorus	31-2	105836	104487	105131	105151	0.64	cps
Potassium	39-2	11367376	11131732	11243730	11247612	1.05	cps
Rhodium	103-1	18582418	18245624	18234132	18354058	1.08	cps
Rhodium	103-2	10867460	10815422	10707521	10796801	0.76	cps
Scandium	45-1	10102637	10052691	9894627	10016651	1.08	cps
Scandium	45-2	863024	854243	861944	859737	0.56	cps
Selenium	82-1	86804	85655	85449	85969	0.85	cps
Selenium	77-2	8149	8606	8573	8442	3.02	cps
Selenium	78-2	29079	28344	29102	28841	1.49	cps
Silicon	28-1	14673532	14502350	14345832	14507238	1.13	cps
Silver	107-1	7566687	7556885	7543490	7555687	0.15	cps
Silver	109-1	7275779	7265116	7305661	7282185	0.29	cps
Sodium	23-2	30684048	30355866	30327721	30455878	0.65	cps
Strontium	86-1	1766307	1764301	1747737	1759448	0.58	cps
Strontium	88-1	15467036	15357244	15253742	15359341	0.69	cps
Sulfur	34-1	629733	616440	613304	619826	1.41	cps
Terbium	159-1	25974337	25851929	25771507	25865924	0.39	cps
Terbium	159-2	17030870	16926545	17090281	17015899	0.49	cps
Thallium	203-1	5801725	5791792	5805744	5799754	0.12	cps
Thallium	205-1	13863660	13883965	13885411	13877679	0.09	cps
Tin	118-1	4838827	4887143	4893570	4873180	0.61	cps
Titanium	47-1	6657047	6592852	6491112	6580337	1.27	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P7
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 16:25:58	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	18025555	18353513	18404437	18261168	1.13	cps
Vanadium	51-2	1883355	1857078	1862952	1867795	0.74	cps
Yttrium	89-1	22777709	22765335	22541688	22694911	0.59	cps
Yttrium	89-2	5817466	5800838	5680269	5766191	1.30	cps
Zinc	66-2	4214257	4206602	4158637	4193165	0.72	cps
Zirconium	90-1	9769304	9705630	9653062	9709332	0.60	cps
Zirconium	91-1	2172491	2163719	2139468	2158559	0.79	cps

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P7
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 16:28:44	DataFile Name :	012CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4599071	4605240	4568417	4590909	0.43	cps
Antimony	121-1	11817940	11655344	11856940	11776741	0.91	cps
Arsenic	75-2	573783	572016	570686	572162	0.27	cps
Barium	135-1	14922315	14991777	14990193	14968095	0.26	cps
Barium	137-1	25696224	26095032	25929189	25906815	0.77	cps
Beryllium	9-1	1232739	1213033	1225939	1223904	0.82	cps
Bismuth	209-1	16067821	15894832	16257626	16073426	1.13	cps
Bismuth	209-2	12064529	12061449	12248923	12124967	0.89	cps
Bromine	81-1	14777	14971	15548	15099	2.66	cps
Bromine	81-2	100	93	107	100	6.67	cps
Cadmium	108-1	228139	227945	229027	228370	0.25	cps
Cadmium	106-1	325394	325660	325660	325571	0.05	cps
Cadmium	111-1	3084303	3094990	3096285	3091859	0.21	cps
Calcium	43-1	2773976	2785471	2762751	2774066	0.41	cps
Calcium	44-1	45223001	45002978	45141923	45122634	0.25	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4387851	4382462	4384506	4384940	0.06	cps
Cobalt	59-2	7132146	7032504	7063458	7076036	0.72	cps
Copper	63-2	52874449	52716486	52381646	52657527	0.48	cps
Dysprosium	156-1	280	247	360	296	19.71	cps
Dysprosium	156-2	713	577	580	623	12.51	cps
Erbium	164-1	363	290	287	313	13.83	cps
Erbium	164-2	197	217	177	197	10.17	cps
Gadolinium	160-1	270	260	317	282	10.72	cps
Gadolinium	160-2	1113	1060	1017	1063	4.55	cps
Holmium	165-1	26154607	26330254	26076620	26187160	0.50	cps
Holmium	165-2	17494058	17704113	17543107	17580426	0.63	cps
Indium	115-1	19901418	19527859	19844231	19757836	1.02	cps
Indium	115-2	6775997	6709253	6774948	6753399	0.57	cps
Iron	56-2	206969997	207002764	205451250	206474670	0.43	cps
Iron	57-2	5196785	5160044	5154739	5170522	0.44	cps
Iron	54-2	11394719	11294907	11319811	11336479	0.46	cps
Krypton	83-1	267	270	300	279	6.58	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P7
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 16:28:44	DataFile Name :	012CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	47593053	48439461	48370276	48134263	0.98	cps
Lead	207-1	42006219	42751799	42838543	42532187	1.08	cps
Lead	208-1	191355520	193807049	194301270	193154613	0.82	cps
Lithium	6-1	2412955	2372696	2392025	2392559	0.84	cps
Magnesium	24-2	39269352	38911513	39149909	39110258	0.47	cps
Manganese	55-2	34690596	34901686	34782821	34791701	0.30	cps
Molybdenum	94-1	40819141	40668960	40901694	40796599	0.29	cps
Molybdenum	95-1	59059952	59406559	59425317	59297276	0.35	cps
Molybdenum	96-1	63692486	64661162	64427326	64260325	0.79	cps
Molybdenum	97-1	36810536	36876843	36698739	36795373	0.24	cps
Molybdenum	98-1	95591085	96330422	95881105	95934204	0.39	cps
Neodymium	150-1	813	703	837	784	9.08	cps
Neodymium	150-2	133	170	157	153	12.10	cps
Nickel	60-2	2482881	2451626	2444904	2459804	0.82	cps
Phosphorus	31-2	215339	215339	215454	215378	0.03	cps
Potassium	39-2	22804342	22854052	22712036	22790144	0.32	cps
Rhodium	103-1	18352578	18064770	17997678	18138342	1.04	cps
Rhodium	103-2	10731609	10656025	10724609	10704081	0.39	cps
Scandium	45-1	10029497	9918927	9955279	9967901	0.57	cps
Scandium	45-2	869218	860416	864279	864638	0.51	cps
Selenium	82-1	172098	173604	173421	173041	0.47	cps
Selenium	77-2	17160	16936	17414	17170	1.39	cps
Selenium	78-2	58448	58070	57879	58132	0.50	cps
Silicon	28-1	27685416	27597401	27624868	27635895	0.16	cps
Silver	107-1	15128546	15292123	15144023	15188231	0.59	cps
Silver	109-1	14636012	14734104	14605169	14658428	0.46	cps
Sodium	23-2	62908156	62041391	62180167	62376571	0.75	cps
Strontium	86-1	3594161	3617411	3559001	3590191	0.82	cps
Strontium	88-1	31357120	31121970	31276603	31251898	0.38	cps
Sulfur	34-1	1001927	996055	994581	997521	0.39	cps
Terbium	159-1	26204805	26618556	26484676	26436013	0.80	cps
Terbium	159-2	17238769	17156281	17354567	17249873	0.58	cps
Thallium	203-1	12009290	12172417	12039171	12073626	0.72	cps
Thallium	205-1	28927770	29327130	28995831	29083577	0.73	cps
Tin	118-1	10009073	9955589	9970033	9978232	0.28	cps
Titanium	47-1	13373260	13354827	13431321	13386469	0.30	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P7
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 16:28:44	DataFile Name :	012CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	38784079	39204518	39209963	39066187	0.63	cps
Vanadium	51-2	3811102	3753300	3782340	3782248	0.76	cps
Yttrium	89-1	22750484	22530064	22710658	22663735	0.52	cps
Yttrium	89-2	5807425	5750889	5841577	5799964	0.79	cps
Zinc	66-2	8483843	8508341	8472884	8488356	0.21	cps
Zirconium	90-1	19719598	19814482	19854660	19796247	0.35	cps
Zirconium	91-1	4409915	4406475	4368500	4394963	0.52	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P7
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 16:31:28	DataFile Name :	013CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	9349792	9229994	9354599	9311462	0.76	cps
Antimony	121-1	23673658	23754775	23670562	23699665	0.20	cps
Arsenic	75-2	1155619	1153729	1153371	1154240	0.10	cps
Barium	135-1	30202499	30210309	30130090	30180966	0.15	cps
Barium	137-1	52561811	52013943	52293653	52289802	0.52	cps
Beryllium	9-1	2426383	2390896	2384254	2400511	0.94	cps
Bismuth	209-1	16240228	16174212	16195690	16203376	0.21	cps
Bismuth	209-2	12000178	11917429	11910478	11942695	0.42	cps
Bromine	81-1	15779	16132	15668	15860	1.53	cps
Bromine	81-2	100	90	137	109	22.57	cps
Cadmium	108-1	460979	459565	456277	458940	0.53	cps
Cadmium	106-1	649805	645455	650960	648740	0.45	cps
Cadmium	111-1	6101348	6121271	6096346	6106321	0.22	cps
Calcium	43-1	5647087	5627865	5631539	5635497	0.18	cps
Calcium	44-1	91555665	91381395	90875615	91270892	0.39	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	8955093	8822350	8832189	8869878	0.83	cps
Cobalt	59-2	14201594	14187491	14162560	14183882	0.14	cps
Copper	63-2	105068338	103513888	103837492	104139906	0.79	cps
Dysprosium	156-1	507	630	613	583	11.47	cps
Dysprosium	156-2	1407	1327	1293	1342	4.34	cps
Erbium	164-1	460	500	460	473	4.88	cps
Erbium	164-2	297	330	350	326	8.28	cps
Gadolinium	160-1	457	403	373	411	10.27	cps
Gadolinium	160-2	1100	1020	1110	1077	4.58	cps
Holmium	165-1	26994275	26660196	26645918	26766797	0.74	cps
Holmium	165-2	17894343	17779488	17585103	17752978	0.88	cps
Indium	115-1	19786306	19609968	19464671	19620315	0.82	cps
Indium	115-2	6789403	6760102	6727344	6758950	0.46	cps
Iron	56-2	416321394	411061154	412338887	413240478	0.66	cps
Iron	57-2	10283302	10228713	10322097	10278038	0.46	cps
Iron	54-2	22654149	22781148	22670473	22701923	0.30	cps
Krypton	83-1	283	340	300	308	9.46	cps

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P7
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 16:31:28	DataFile Name :	013CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	95204275	96638549	96229915	96024246	0.77	cps
Lead	207-1	84676315	84559197	84640644	84625385	0.07	cps
Lead	208-1	385934241	386098243	385566929	385866471	0.07	cps
Lithium	6-1	2417998	2389049	2389352	2398800	0.69	cps
Magnesium	24-2	81109868	80080325	81307996	80832730	0.82	cps
Manganese	55-2	70125212	69460942	69922279	69836145	0.49	cps
Molybdenum	94-1	82926164	82640842	82152484	82573163	0.47	cps
Molybdenum	95-1	120313712	120763645	119710035	120262464	0.44	cps
Molybdenum	96-1	131155251	131550015	130643495	131116254	0.35	cps
Molybdenum	97-1	74989234	75077841	75674614	75247229	0.50	cps
Molybdenum	98-1	195047150	196060090	194562704	195223315	0.39	cps
Neodymium	150-1	1500	1613	1543	1552	3.68	cps
Neodymium	150-2	390	350	390	377	6.13	cps
Nickel	60-2	4894079	4859609	4908345	4887345	0.51	cps
Phosphorus	31-2	437162	438398	437894	437818	0.14	cps
Potassium	39-2	46396636	46052531	46397811	46282326	0.43	cps
Rhodium	103-1	18176549	18228501	18001626	18135559	0.66	cps
Rhodium	103-2	10696537	10705801	10604619	10668986	0.52	cps
Scandium	45-1	10260953	10198366	10174416	10211245	0.44	cps
Scandium	45-2	893293	883847	887341	888160	0.54	cps
Selenium	82-1	351366	350729	350370	350822	0.14	cps
Selenium	77-2	35289	34874	35579	35247	1.01	cps
Selenium	78-2	117320	116783	116621	116908	0.31	cps
Silicon	28-1	64388067	63874752	63211314	63824711	0.92	cps
Silver	107-1	31180111	30835399	30894798	30970103	0.60	cps
Silver	109-1	29953309	29901175	29593909	29816131	0.65	cps
Sodium	23-2	125917318	125496805	125537595	125650573	0.18	cps
Strontium	86-1	7247957	7294458	7244753	7262389	0.38	cps
Strontium	88-1	63640211	63805351	63479199	63641587	0.26	cps
Sulfur	34-1	1912064	1849596	1858885	1873515	1.80	cps
Terbium	159-1	26729997	27058633	26504242	26764291	1.04	cps
Terbium	159-2	17389154	17103181	17476430	17322921	1.13	cps
Thallium	203-1	24357287	24267249	24328698	24317745	0.19	cps
Thallium	205-1	57813162	57398472	57986112	57732582	0.52	cps
Tin	118-1	19863447	20059084	19979635	19967389	0.49	cps
Titanium	47-1	26848759	27117635	27045507	27003967	0.52	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P7
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 16:31:28	DataFile Name :	013CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	78718780	78674674	79064010	78819155	0.27	cps
Vanadium	51-2	7690688	7740241	7710849	7713926	0.32	cps
Yttrium	89-1	23173227	23307442	22882073	23120914	0.94	cps
Yttrium	89-2	5985214	5918914	5843452	5915860	1.20	cps
Zinc	66-2	16871051	16646556	16679450	16732352	0.72	cps
Zirconium	90-1	40334929	40466213	40272948	40358030	0.24	cps
Zirconium	91-1	8978852	8961109	8925624	8955195	0.30	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P7
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 16:34:14	DataFile Name :	014CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	47882369	48378816	49061759	48440982	1.22	cps
Antimony	121-1	10657	11942	13870	12156	13.30	cps
Arsenic	75-2	673	660	637	657	2.83	cps
Barium	135-1	13476	13283	12269	13009	4.99	cps
Barium	137-1	22915	22568	22104	22529	1.81	cps
Beryllium	9-1	494	517	456	489	6.33	cps
Bismuth	209-1	14309561	14050056	13912592	14090736	1.43	cps
Bismuth	209-2	10533682	10486834	10457343	10492619	0.37	cps
Bromine	81-1	17087	17380	18085	17517	2.93	cps
Bromine	81-2	143	120	177	147	19.42	cps
Cadmium	108-1	243	193	240	226	12.39	cps
Cadmium	106-1	6898	6568	6802	6756	2.51	cps
Cadmium	111-1	6142	5993	6007	6047	1.36	cps
Calcium	43-1	27368073	27267479	27230641	27288731	0.26	cps
Calcium	44-1	445007767	443037873	445787367	444611002	0.32	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	15044	17237	15502	15928	7.26	cps
Cobalt	59-2	37179	36571	37189	36980	0.96	cps
Copper	63-2	22851	22303	21392	22182	3.32	cps
Dysprosium	156-1	1003	893	940	946	5.84	cps
Dysprosium	156-2	703	780	757	747	5.26	cps
Erbium	164-1	1143	1093	1093	1110	2.60	cps
Erbium	164-2	680	743	707	710	4.48	cps
Gadolinium	160-1	907	1003	910	940	5.84	cps
Gadolinium	160-2	1437	1560	1473	1490	4.25	cps
Holmium	165-1	25841250	25702795	25040470	25528172	1.68	cps
Holmium	165-2	16973924	17026747	17041864	17014178	0.21	cps
Indium	115-1	18947614	18883211	18859182	18896669	0.24	cps
Indium	115-2	6704770	6701998	6696782	6701183	0.06	cps
Iron	56-2	1996683757	2005577783	2014890690	2005717410	0.45	cps
Iron	57-2	50037478	50071351	50675143	50261324	0.71	cps
Iron	54-2	108553438	107691178	108533385	108259334	0.45	cps
Krypton	83-1	373	367	373	371	1.04	cps

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P7
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 16:34:14	DataFile Name :	014CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	18059	16927	15709	16898	6.95	cps
Lead	207-1	16000	14745	14091	14945	6.49	cps
Lead	208-1	71734	67553	63672	67653	5.96	cps
Lithium	6-1	2251953	2283337	2259106	2264799	0.73	cps
Magnesium	24-2	403243259	411052720	410290379	408195453	1.05	cps
Manganese	55-2	39328	39214	39071	39204	0.33	cps
Molybdenum	94-1	23743	23198	22467	23136	2.77	cps
Molybdenum	95-1	24110	24317	23292	23906	2.27	cps
Molybdenum	96-1	43765	43096	39687	42183	5.19	cps
Molybdenum	97-1	14924	15245	14781	14983	1.58	cps
Molybdenum	98-1	38975	37481	35750	37402	4.32	cps
Neodymium	150-1	517	463	483	488	5.52	cps
Neodymium	150-2	277	320	267	288	9.85	cps
Nickel	60-2	15290	14940	15174	15135	1.18	cps
Phosphorus	31-2	467	567	493	509	10.18	cps
Potassium	39-2	239168050	240069930	240500776	239912919	0.28	cps
Rhodium	103-1	16906660	16613326	16512880	16677622	1.23	cps
Rhodium	103-2	10120973	10073830	9976210	10057004	0.73	cps
Scandium	45-1	10365329	10373429	10360004	10366254	0.07	cps
Scandium	45-2	930004	930847	930576	930476	0.05	cps
Selenium	82-1	1038	909	858	935	9.94	cps
Selenium	77-2	0	17	13	10	88.20	cps
Selenium	78-2	467	500	530	499	6.35	cps
Silicon	28-1	1301591	1286149	1250064	1279268	2.07	cps
Silver	107-1	6548	5851	4904	5768	14.31	cps
Silver	109-1	6098	5725	4811	5544	11.94	cps
Sodium	23-2	636498617	638902390	638350417	637917142	0.20	cps
Strontium	86-1	24273	24003	24731	24336	1.51	cps
Strontium	88-1	210879	208254	204724	207952	1.49	cps
Sulfur	34-1	223175	229978	237342	230165	3.08	cps
Terbium	159-1	26133903	25578405	25377228	25696512	1.53	cps
Terbium	159-2	16800889	16864919	16480329	16715379	1.23	cps
Thallium	203-1	3871	3287	2677	3278	18.21	cps
Thallium	205-1	9353	7809	7042	8068	14.59	cps
Tin	118-1	9433	8846	8493	8924	5.32	cps
Titanium	47-1	4494	4414	3974	4294	6.52	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P7
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 16:34:14	DataFile Name :	014CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	9290	8373	7232	8298	12.42	cps
Vanadium	51-2	2454	2384	2287	2375	3.52	cps
Yttrium	89-1	22909820	22716300	22550311	22725477	0.79	cps
Yttrium	89-2	6027501	5997327	5959066	5994631	0.57	cps
Zinc	66-2	5808	5578	5608	5664	2.21	cps
Zirconium	90-1	23208	23869	22995	23358	1.95	cps
Zirconium	91-1	5738	5101	5054	5298	7.21	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	ICV001	Instrumnet Name :	P7
Client Sample ID :	ICV001	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:16:22	DataFile Name :	015ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	228847	228911	227327	228362	0.39	cps
Antimony	121-1	4723227	4747454	4672112	4714264	0.82	cps
Arsenic	75-2	245580	241022	236633	241078	1.86	cps
Barium	135-1	591781	597931	595170	594961	0.52	cps
Barium	137-1	1024793	1030655	1026279	1027242	0.30	cps
Beryllium	9-1	248793	246820	244274	246629	0.92	cps
Bismuth	209-1	16349761	16463790	16646852	16486801	0.91	cps
Bismuth	209-2	12715341	12827414	12712490	12751748	0.51	cps
Bromine	81-1	18138	16706	16773	17206	4.70	cps
Bromine	81-2	67	87	107	87	23.08	cps
Cadmium	108-1	72758	72888	71736	72461	0.87	cps
Cadmium	106-1	109845	110348	108794	109662	0.72	cps
Cadmium	111-1	673804	679237	669488	674177	0.72	cps
Calcium	43-1	138962	136860	138828	138217	0.85	cps
Calcium	44-1	2140937	2084433	2046840	2090737	2.27	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	944899	942111	929178	938729	0.89	cps
Cobalt	59-2	1534885	1490527	1523070	1516160	1.52	cps
Copper	63-2	1079736	1062446	1059126	1067102	1.04	cps
Dysprosium	156-1	47	40	70	52	30.16	cps
Dysprosium	156-2	43	47	47	46	4.23	cps
Erbium	164-1	147	110	103	120	19.45	cps
Erbium	164-2	87	67	60	71	19.52	cps
Gadolinium	160-1	120	123	157	133	15.21	cps
Gadolinium	160-2	933	953	970	952	1.93	cps
Holmium	165-1	26410033	25956924	25991561	26119506	0.97	cps
Holmium	165-2	17860124	17804327	17687166	17783872	0.50	cps
Indium	115-1	21444298	20970679	21012352	21142443	1.24	cps
Indium	115-2	7267121	7329661	7270430	7289071	0.48	cps
Iron	56-2	17051499	16865238	16700474	16872404	1.04	cps
Iron	57-2	440485	435882	431752	436039	1.00	cps
Iron	54-2	992982	990258	970490	984577	1.25	cps
Krypton	83-1	333	357	307	332	7.53	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	ICV001	Instrumnet Name :	P7
Client Sample ID :	ICV001	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:16:22	DataFile Name :	015ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3808441	3783541	3903423	3831802	1.65	cps
Lead	207-1	3203189	3251692	3289386	3248089	1.33	cps
Lead	208-1	14859250	14991080	15165618	15005316	1.02	cps
Lithium	6-1	2405315	2476471	2445411	2442399	1.46	cps
Magnesium	24-2	920825	914041	909280	914715	0.63	cps
Manganese	55-2	721715	716797	708894	715802	0.90	cps
Molybdenum	94-1	43339239	43113316	42565518	43006024	0.93	cps
Molybdenum	95-1	64154111	63875432	63318754	63782766	0.67	cps
Molybdenum	96-1	69411067	69062031	68681801	69051633	0.53	cps
Molybdenum	97-1	40029559	39593064	39148277	39590300	1.11	cps
Molybdenum	98-1	104088132	102263232	102589125	102980163	0.95	cps
Neodymium	150-1	67	47	63	59	18.19	cps
Neodymium	150-2	13	13	17	14	13.35	cps
Nickel	60-2	537943	528759	527539	531414	1.07	cps
Phosphorus	31-2	343	403	307	351	13.90	cps
Potassium	39-2	1926832	1930989	1867485	1908435	1.86	cps
Rhodium	103-1	20551072	20156959	20147625	20285219	1.14	cps
Rhodium	103-2	11886176	11886685	11629615	11800825	1.26	cps
Scandium	45-1	11775404	11330515	11157821	11421246	2.79	cps
Scandium	45-2	961144	954098	949134	954792	0.63	cps
Selenium	82-1	77619	77337	76864	77274	0.49	cps
Selenium	77-2	7519	7662	7592	7591	0.94	cps
Selenium	78-2	26531	25869	25515	25972	1.98	cps
Silicon	28-1	6077406	6061434	6185181	6108007	1.10	cps
Silver	107-1	1589200	1579744	1583692	1584212	0.30	cps
Silver	109-1	1509233	1519687	1488871	1505930	1.04	cps
Sodium	23-2	2529765	2541524	2509033	2526774	0.65	cps
Strontium	86-1	3612228	3590269	3556669	3586389	0.78	cps
Strontium	88-1	31575330	31252947	31001004	31276427	0.92	cps
Sulfur	34-1	278768	270568	265794	271710	2.41	cps
Terbium	159-1	27247605	26619100	26873830	26913512	1.17	cps
Terbium	159-2	17665495	17581712	17456902	17568036	0.60	cps
Thallium	203-1	4722261	4703728	4747810	4724600	0.47	cps
Thallium	205-1	11258514	11168554	11302393	11243154	0.61	cps
Tin	118-1	9625887	9577151	9629831	9610956	0.31	cps
Titanium	47-1	15368029	15221419	14830594	15140014	1.83	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	ICV001	Instrumnet Name :	P7
Client Sample ID :	ICV001	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:16:22	DataFile Name :	015ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	36722629	38004998	38038447	37588691	2.00	cps
Vanadium	51-2	786443	773729	765935	775369	1.34	cps
Yttrium	89-1	25194578	24549996	24449462	24731345	1.63	cps
Yttrium	89-2	6258843	6258452	6164846	6227380	0.87	cps
Zinc	66-2	363372	360872	354959	359734	1.20	cps
Zirconium	90-1	19670615	19311058	19138600	19373424	1.40	cps
Zirconium	91-1	4326908	4309937	4254604	4297150	0.88	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	ICB001	Instrumnet Name :	P7
Client Sample ID :	ICB001	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:26:42	DataFile Name :	016CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	290	310	303	301	3.38	cps
Antimony	121-1	320	380	597	432	33.67	cps
Arsenic	75-2	7	20	10	12	56.76	cps
Barium	135-1	103	143	77	108	31.13	cps
Barium	137-1	307	203	223	244	22.42	cps
Beryllium	9-1	106	117	189	137	33.02	cps
Bismuth	209-1	15873396	15717534	15769419	15786783	0.50	cps
Bismuth	209-2	12334211	12186279	12385908	12302133	0.84	cps
Bromine	81-1	16813	16633	17457	16968	2.55	cps
Bromine	81-2	123	60	103	96	33.88	cps
Cadmium	108-1	3	13	30	16	86.63	cps
Cadmium	106-1	5725	5935	5715	5791	2.15	cps
Cadmium	111-1	4042	4188	4042	4091	2.06	cps
Calcium	43-1	1250	1307	1363	1307	4.34	cps
Calcium	44-1	33811	34276	34657	34248	1.24	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3587	3504	3404	3498	2.62	cps
Cobalt	59-2	143	200	193	179	17.31	cps
Copper	63-2	1443	1707	1623	1591	8.46	cps
Dysprosium	156-1	20	23	43	29	43.68	cps
Dysprosium	156-2	3	10	20	11	75.52	cps
Erbium	164-1	143	110	90	114	23.55	cps
Erbium	164-2	60	53	63	59	8.65	cps
Gadolinium	160-1	123	140	110	124	12.08	cps
Gadolinium	160-2	950	1043	987	993	4.73	cps
Holmium	165-1	25563635	25122155	25406747	25364179	0.88	cps
Holmium	165-2	17621361	17364448	17620197	17535335	0.84	cps
Indium	115-1	20851508	20559969	21006835	20806104	1.09	cps
Indium	115-2	7408582	7459376	7393790	7420583	0.46	cps
Iron	56-2	37180	36815	36207	36734	1.34	cps
Iron	57-2	1617	1493	1547	1552	3.99	cps
Iron	54-2	4374	4617	4421	4471	2.89	cps
Krypton	83-1	273	260	300	278	7.33	cps

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	ICB001	Instrumnet Name :	P7
Client Sample ID :	ICB001	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:26:42	DataFile Name :	016CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1137	1240	1310	1229	7.10	cps
Lead	207-1	1140	1143	1093	1126	2.48	cps
Lead	208-1	4907	4900	5017	4942	1.33	cps
Lithium	6-1	2358887	2280881	2343931	2327900	1.78	cps
Magnesium	24-2	2228	2149	2202	2193	1.85	cps
Manganese	55-2	2367	2280	2327	2325	1.87	cps
Molybdenum	94-1	1223	1490	1393	1369	9.86	cps
Molybdenum	95-1	1047	1017	903	989	7.64	cps
Molybdenum	96-1	1203	1177	1227	1202	2.08	cps
Molybdenum	97-1	590	560	587	579	2.84	cps
Molybdenum	98-1	1557	1460	1620	1546	5.21	cps
Neodymium	150-1	7	17	3	9	78.08	cps
Neodymium	150-2	7	7	3	6	34.70	cps
Nickel	60-2	2341	2330	2309	2327	0.69	cps
Phosphorus	31-2	393	387	280	353	18.00	cps
Potassium	39-2	66940	67880	67164	67328	0.73	cps
Rhodium	103-1	19658313	19463528	19726124	19615988	0.69	cps
Rhodium	103-2	11906511	11887650	11872298	11888819	0.14	cps
Scandium	45-1	11006890	11045723	11211704	11088106	0.98	cps
Scandium	45-2	976264	975066	971015	974115	0.28	cps
Selenium	82-1	855	756	727	779	8.61	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	427	490	527	481	10.51	cps
Silicon	28-1	875901	872635	879968	876168	0.42	cps
Silver	107-1	213	153	157	174	19.33	cps
Silver	109-1	127	80	107	104	22.42	cps
Sodium	23-2	40774	40172	41105	40684	1.16	cps
Strontium	86-1	630	693	597	640	7.67	cps
Strontium	88-1	1077	1123	900	1033	11.40	cps
Sulfur	34-1	270084	269867	272906	270952	0.63	cps
Terbium	159-1	25864716	25891830	25967257	25907935	0.21	cps
Terbium	159-2	17470796	17298180	17255556	17341511	0.66	cps
Thallium	203-1	383	397	433	404	6.40	cps
Thallium	205-1	990	917	1043	983	6.47	cps
Tin	118-1	4157	3947	4284	4130	4.12	cps
Titanium	47-1	283	360	310	318	12.25	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	ICB001	Instrumnet Name :	P7
Client Sample ID :	ICB001	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:26:42	DataFile Name :	016CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	380	343	300	341	11.74	cps
Vanadium	51-2	13	27	23	21	32.88	cps
Yttrium	89-1	23963385	23879170	23962162	23934906	0.20	cps
Yttrium	89-2	6322079	6308890	6297251	6309406	0.20	cps
Zinc	66-2	2557	2757	2777	2697	4.51	cps
Zirconium	90-1	1863	2157	2600	2207	16.81	cps
Zirconium	91-1	400	453	543	466	15.56	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	ICSA001	Instrumnet Name :	P7
Client Sample ID :	ICSA001	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:30:01	DataFile Name :	017ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	45962698	45816668	45681323	45820229	0.31	cps
Antimony	121-1	28017	28598	28021	28212	1.19	cps
Arsenic	75-2	453	453	450	452	0.43	cps
Barium	135-1	8940	8976	9090	9002	0.87	cps
Barium	137-1	15609	15428	15585	15541	0.63	cps
Beryllium	9-1	783	778	678	746	7.96	cps
Bismuth	209-1	16320312	16447182	16401021	16389505	0.39	cps
Bismuth	209-2	12288736	12087942	12253793	12210157	0.88	cps
Bromine	81-1	18221	18502	18515	18413	0.90	cps
Bromine	81-2	233	333	307	291	17.79	cps
Cadmium	108-1	4697	4447	4397	4514	3.56	cps
Cadmium	106-1	6522	6528	6428	6493	0.86	cps
Cadmium	111-1	7051	7128	6633	6937	3.84	cps
Calcium	43-1	5907764	5941778	5848464	5899335	0.80	cps
Calcium	44-1	95484645	96751822	95319399	95851955	0.82	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	193974	193417	192066	193152	0.51	cps
Cobalt	59-2	18965	19219	19329	19171	0.97	cps
Copper	63-2	83505	83726	83270	83500	0.27	cps
Dysprosium	156-1	87	107	130	108	20.12	cps
Dysprosium	156-2	83	57	57	66	23.48	cps
Erbium	164-1	213	217	193	208	6.07	cps
Erbium	164-2	147	103	130	127	17.26	cps
Gadolinium	160-1	227	173	203	201	13.29	cps
Gadolinium	160-2	1020	997	1050	1022	2.62	cps
Holmium	165-1	28090398	28118020	27849136	28019185	0.53	cps
Holmium	165-2	18518293	18418003	18749013	18561770	0.91	cps
Indium	115-1	21196756	21229057	21396268	21274027	0.50	cps
Indium	115-2	7406264	7316984	7352551	7358600	0.61	cps
Iron	56-2	871158974	868478654	872124387	870587338	0.22	cps
Iron	57-2	21359817	21677875	21738521	21592071	0.94	cps
Iron	54-2	47445559	47345261	47475224	47422015	0.14	cps
Krypton	83-1	307	277	260	281	8.41	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	ICSA001	Instrumnet Name :	P7
Client Sample ID :	ICSA001	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:30:01	DataFile Name :	017ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	97375	94905	92700	94993	2.46	cps
Lead	207-1	77851	75076	73963	75630	2.65	cps
Lead	208-1	367883	355885	347615	357128	2.85	cps
Lithium	6-1	2304029	2239399	2187604	2243678	2.60	cps
Magnesium	24-2	80026362	79840938	80029040	79965447	0.13	cps
Manganese	55-2	59925	60986	61636	60849	1.42	cps
Molybdenum	94-1	13702839	13769653	13694334	13722275	0.30	cps
Molybdenum	95-1	24427214	24487185	24611929	24508776	0.38	cps
Molybdenum	96-1	25988155	25940954	26054935	25994682	0.22	cps
Molybdenum	97-1	15278259	15234652	15042796	15185235	0.82	cps
Molybdenum	98-1	39525279	39672085	39290290	39495885	0.49	cps
Neodymium	150-1	97	110	137	114	17.80	cps
Neodymium	150-2	60	53	73	62	16.37	cps
Nickel	60-2	25314	25631	25067	25337	1.11	cps
Phosphorus	31-2	2329683	2381115	2335504	2348768	1.20	cps
Potassium	39-2	96670322	98091729	98084752	97615601	0.84	cps
Rhodium	103-1	19492635	19439035	19141244	19357638	0.98	cps
Rhodium	103-2	11594350	11439428	11565821	11533200	0.71	cps
Scandium	45-1	11142742	11050698	10982239	11058559	0.73	cps
Scandium	45-2	967143	967965	981671	972260	0.84	cps
Selenium	82-1	938	931	903	924	1.99	cps
Selenium	77-2	3	10	17	10	66.70	cps
Selenium	78-2	480	470	450	467	3.27	cps
Silicon	28-1	1210948	1205592	1207404	1207981	0.23	cps
Silver	107-1	867	803	850	840	3.91	cps
Silver	109-1	810	730	727	756	6.24	cps
Sodium	23-2	130661091	131182231	131704621	131182648	0.40	cps
Strontium	86-1	261998	264359	265791	264049	0.73	cps
Strontium	88-1	2326139	2307284	2336657	2323360	0.64	cps
Sulfur	34-1	8499002	8551168	8365740	8471970	1.13	cps
Terbium	159-1	28249676	28407967	28298252	28318632	0.29	cps
Terbium	159-2	18255337	17975221	18223059	18151206	0.84	cps
Thallium	203-1	2540	3250	3407	3066	15.07	cps
Thallium	205-1	6632	7632	8052	7439	9.81	cps
Tin	118-1	8363	7856	7689	7969	4.40	cps
Titanium	47-1	5749785	5773857	5729355	5750999	0.39	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	ICSA001	Instrumnet Name :	P7
Client Sample ID :	ICSA001	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:30:01	DataFile Name :	017ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	1347	1290	1353	1330	2.62	cps
Vanadium	51-2	1540	1340	1513	1465	7.42	cps
Yttrium	89-1	25171347	25019560	25183378	25124762	0.36	cps
Yttrium	89-2	6489304	6368572	6444588	6434155	0.95	cps
Zinc	66-2	21879	21966	22193	22013	0.74	cps
Zirconium	90-1	1770	1870	2077	1906	8.21	cps
Zirconium	91-1	407	367	463	412	11.78	cps

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	ICSAB001	Instrumnet Name :	P7
Client Sample ID :	ICSAB001	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:33:04	DataFile Name :	018ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	45057973	45224223	45076086	45119427	0.20	cps
Antimony	121-1	540661	542350	544825	542612	0.39	cps
Arsenic	75-2	26140	25672	25876	25896	0.91	cps
Barium	135-1	138388	139317	139481	139062	0.42	cps
Barium	137-1	238352	239594	237830	238592	0.38	cps
Beryllium	9-1	46848	44859	43996	45234	3.23	cps
Bismuth	209-1	16984673	16806855	16627914	16806481	1.06	cps
Bismuth	209-2	12483141	12374149	12588721	12482004	0.86	cps
Bromine	81-1	21058	21092	21733	21294	1.78	cps
Bromine	81-2	637	620	613	623	1.93	cps
Cadmium	108-1	13149	12809	12936	12965	1.33	cps
Cadmium	106-1	19076	18725	17975	18592	3.03	cps
Cadmium	111-1	138337	140116	137965	138806	0.83	cps
Calcium	43-1	5888259	5928837	5849896	5888997	0.67	cps
Calcium	44-1	95560052	96296312	94914535	95590300	0.72	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	385213	388223	385500	386312	0.43	cps
Cobalt	59-2	330422	328382	326885	328563	0.54	cps
Copper	63-2	299466	295960	296461	297296	0.64	cps
Dysprosium	156-1	163	93	113	123	29.24	cps
Dysprosium	156-2	107	67	127	100	30.55	cps
Erbium	164-1	237	243	183	221	14.87	cps
Erbium	164-2	107	120	107	111	6.93	cps
Gadolinium	160-1	223	183	240	216	13.51	cps
Gadolinium	160-2	1017	957	1067	1013	5.44	cps
Holmium	165-1	29124185	28932163	28488471	28848273	1.13	cps
Holmium	165-2	18920523	18971593	19099715	18997277	0.49	cps
Indium	115-1	22315440	21996908	22073898	22128749	0.75	cps
Indium	115-2	7567491	7430683	7426660	7474945	1.07	cps
Iron	56-2	863896894	878093720	861143961	867711525	1.05	cps
Iron	57-2	21916778	21687582	21545128	21716496	0.86	cps
Iron	54-2	47107799	47250909	47024518	47127742	0.24	cps
Krypton	83-1	337	257	300	298	13.45	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	ICSAB001	Instrumnet Name :	P7
Client Sample ID :	ICSAB001	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:33:04	DataFile Name :	018ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	511014	512011	511255	511427	0.10	cps
Lead	207-1	430842	433743	429195	431260	0.53	cps
Lead	208-1	1990346	1990226	1983079	1987884	0.21	cps
Lithium	6-1	2155311	2171966	2115864	2147713	1.34	cps
Magnesium	24-2	79345200	78842533	78833809	79007181	0.37	cps
Manganese	55-2	208301	208193	206804	207766	0.40	cps
Molybdenum	94-1	13933448	13834606	13906628	13891561	0.37	cps
Molybdenum	95-1	24717267	24605176	24605356	24642600	0.26	cps
Molybdenum	96-1	26335827	26131630	26417691	26295049	0.56	cps
Molybdenum	97-1	15361238	15250375	15255381	15288998	0.41	cps
Molybdenum	98-1	40341576	39728288	39439445	39836436	1.16	cps
Neodymium	150-1	160	137	137	144	9.32	cps
Neodymium	150-2	77	63	67	69	10.08	cps
Nickel	60-2	131178	130693	130823	130898	0.19	cps
Phosphorus	31-2	2298099	2373736	2332174	2334669	1.62	cps
Potassium	39-2	97570102	97470755	97055155	97365337	0.28	cps
Rhodium	103-1	20238035	20166398	19810673	20071702	1.14	cps
Rhodium	103-2	11939161	11780608	11872666	11864145	0.67	cps
Scandium	45-1	11445388	11447056	11286021	11392821	0.81	cps
Scandium	45-2	993770	997491	993895	995052	0.21	cps
Selenium	82-1	8546	8814	8871	8744	1.98	cps
Selenium	77-2	843	827	777	816	4.25	cps
Selenium	78-2	3020	3167	2874	3020	4.86	cps
Silicon	28-1	1261145	1265921	1254174	1260413	0.47	cps
Silver	107-1	632028	630594	625954	629525	0.50	cps
Silver	109-1	606916	606010	606809	606579	0.08	cps
Sodium	23-2	128897418	131034728	130363428	130098525	0.84	cps
Strontium	86-1	269007	265493	266328	266943	0.69	cps
Strontium	88-1	2381463	2354740	2341807	2359337	0.86	cps
Sulfur	34-1	8556501	8558434	8450087	8521674	0.73	cps
Terbium	159-1	29694757	29517236	28903848	29371947	1.41	cps
Terbium	159-2	18618860	18424405	18351926	18465064	0.75	cps
Thallium	203-1	527325	532613	528923	529620	0.51	cps
Thallium	205-1	1266594	1260682	1259065	1262113	0.31	cps
Tin	118-1	7405	7672	7699	7592	2.14	cps
Titanium	47-1	5849330	5748708	5813782	5803940	0.88	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	ICSAB001	Instrumnet Name :	P7
Client Sample ID :	ICSAB001	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:33:04	DataFile Name :	018ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	1387	1353	1267	1336	4.64	cps
Vanadium	51-2	166914	167174	166605	166898	0.17	cps
Yttrium	89-1	26364767	26119211	25673370	26052449	1.35	cps
Yttrium	89-2	6550421	6500113	6569315	6539949	0.55	cps
Zinc	66-2	58658	57691	57989	58112	0.85	cps
Zirconium	90-1	1840	1850	2354	2015	14.57	cps
Zirconium	91-1	430	450	440	440	2.27	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	CCV001	Instrumnet Name :	P7
Client Sample ID :	CCV001	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:36:05	DataFile Name :	019CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	25086072	25332912	25252880	25223955	0.50	cps
Antimony	121-1	12486558	12568201	12421781	12492180	0.59	cps
Arsenic	75-2	634741	630159	631419	632106	0.37	cps
Barium	135-1	15993858	15940849	15743130	15892612	0.83	cps
Barium	137-1	27606711	27434622	27230050	27423794	0.69	cps
Beryllium	9-1	1152364	1155231	1138172	1148589	0.80	cps
Bismuth	209-1	16137000	16123223	15997206	16085810	0.48	cps
Bismuth	209-2	11681838	11629849	11630932	11647540	0.26	cps
Bromine	81-1	19940	19653	19586	19727	0.95	cps
Bromine	81-2	133	147	137	139	4.99	cps
Cadmium	108-1	250047	247073	246179	247766	0.82	cps
Cadmium	106-1	356593	353221	352698	354171	0.60	cps
Cadmium	111-1	3308938	3313604	3309304	3310615	0.08	cps
Calcium	43-1	15009374	15085977	14906659	15000670	0.60	cps
Calcium	44-1	242908063	243996570	243223303	243375979	0.23	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4816699	4741851	4723491	4760681	1.04	cps
Cobalt	59-2	7678797	7752619	7722685	7718034	0.48	cps
Copper	63-2	57465551	57312306	57208342	57328733	0.23	cps
Dysprosium	156-1	747	707	810	754	6.91	cps
Dysprosium	156-2	1023	1090	1113	1076	4.34	cps
Erbium	164-1	853	767	827	816	5.44	cps
Erbium	164-2	500	557	497	518	6.51	cps
Gadolinium	160-1	617	617	737	657	10.55	cps
Gadolinium	160-2	1327	1267	1257	1283	2.95	cps
Holmium	165-1	28241452	28011267	27871135	28041285	0.67	cps
Holmium	165-2	18283628	18016574	18036953	18112385	0.82	cps
Indium	115-1	21297896	21244788	21082023	21208236	0.53	cps
Indium	115-2	7074030	7067465	7089996	7077164	0.16	cps
Iron	56-2	1080981184	1070046917	1065552944	1072193682	0.74	cps
Iron	57-2	26757291	27121521	26688122	26855645	0.87	cps
Iron	54-2	58484902	57660927	57959706	58035179	0.72	cps
Krypton	83-1	380	383	307	357	12.15	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	CCV001	Instrumnet Name :	P7
Client Sample ID :	CCV001	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:36:05	DataFile Name :	019CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	48129158	48727873	47950908	48269313	0.84	cps
Lead	207-1	42942793	42654145	42459580	42685506	0.57	cps
Lead	208-1	195058092	194205790	192911926	194058603	0.56	cps
Lithium	6-1	2052326	2100961	2105377	2086221	1.41	cps
Magnesium	24-2	213477125	209151390	211239144	211289219	1.02	cps
Manganese	55-2	37563422	36909438	36897988	37123616	1.03	cps
Molybdenum	94-1	44592238	44345501	44690461	44542733	0.40	cps
Molybdenum	95-1	65787159	64814481	65021329	65207656	0.79	cps
Molybdenum	96-1	71181816	70976751	70797622	70985396	0.27	cps
Molybdenum	97-1	40855231	40590640	40308941	40584937	0.67	cps
Molybdenum	98-1	106763718	105322905	103977105	105354576	1.32	cps
Neodymium	150-1	967	1137	1023	1042	8.31	cps
Neodymium	150-2	393	413	290	366	18.11	cps
Nickel	60-2	2649538	2652926	2658339	2653601	0.17	cps
Phosphorus	31-2	237437	235572	238293	237101	0.59	cps
Potassium	39-2	125257181	124171281	125023171	124817211	0.46	cps
Rhodium	103-1	19314308	19188896	18852874	19118693	1.25	cps
Rhodium	103-2	11015505	11082562	11063070	11053712	0.31	cps
Scandium	45-1	11203969	11202133	11050824	11152308	0.79	cps
Scandium	45-2	966760	970192	976476	971143	0.51	cps
Selenium	82-1	193995	193055	192330	193126	0.43	cps
Selenium	77-2	18879	18849	18949	18892	0.27	cps
Selenium	78-2	62652	63676	64105	63477	1.18	cps
Silicon	28-1	32005029	31879214	31448548	31777597	0.92	cps
Silver	107-1	16244862	15980426	16257814	16161034	0.97	cps
Silver	109-1	15588083	15690536	15374990	15551203	1.04	cps
Sodium	23-2	328183775	333050895	333441062	331558577	0.88	cps
Strontium	86-1	3913859	3900691	3953180	3922576	0.70	cps
Strontium	88-1	34498293	34165359	34399167	34354273	0.50	cps
Sulfur	34-1	1068738	1061991	1056388	1062372	0.58	cps
Terbium	159-1	28688008	28164260	27997915	28283394	1.27	cps
Terbium	159-2	17993999	17941573	18114960	18016844	0.49	cps
Thallium	203-1	12184287	12303748	12125274	12204436	0.75	cps
Thallium	205-1	28912451	29016220	28854448	28927707	0.28	cps
Tin	118-1	10678685	10629127	10507114	10604976	0.83	cps
Titanium	47-1	14624748	14740628	14540929	14635435	0.69	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	CCV001	Instrumnet Name :	P7
Client Sample ID :	CCV001	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:36:05	DataFile Name :	019CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	40066883	39603582	39439023	39703162	0.82	cps
Vanadium	51-2	4135073	4108172	4183791	4142345	0.93	cps
Yttrium	89-1	25483464	24897375	24972757	25117865	1.27	cps
Yttrium	89-2	6318411	6376006	6389471	6361296	0.59	cps
Zinc	66-2	8991791	9098869	9109019	9066560	0.72	cps
Zirconium	90-1	22114355	21822376	21742295	21893009	0.89	cps
Zirconium	91-1	4925488	4800504	4832469	4852821	1.34	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	CCB001	Instrumnet Name :	P7
Client Sample ID :	CCB001	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:38:47	DataFile Name :	020CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3286	1603	1413	2101	49.05	cps
Antimony	121-1	3110	4251	6261	4541	35.14	cps
Arsenic	75-2	247	57	63	122	88.23	cps
Barium	135-1	680	497	733	637	19.50	cps
Barium	137-1	1020	903	1343	1089	20.93	cps
Beryllium	9-1	167	256	267	230	23.87	cps
Bismuth	209-1	18253227	17973388	17872201	18032939	1.09	cps
Bismuth	209-2	13541015	13315580	13369337	13408644	0.88	cps
Bromine	81-1	18455	18372	18568	18465	0.54	cps
Bromine	81-2	107	83	93	94	12.40	cps
Cadmium	108-1	37	33	17	29	37.08	cps
Cadmium	106-1	7619	7115	7162	7299	3.81	cps
Cadmium	111-1	5601	5237	5292	5377	3.65	cps
Calcium	43-1	1460	1303	1647	1470	11.69	cps
Calcium	44-1	37558	35659	39331	37516	4.90	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2744	2817	2870	2810	2.26	cps
Cobalt	59-2	677	517	537	577	15.12	cps
Copper	63-2	14092	4807	4918	7939	67.12	cps
Dysprosium	156-1	10	17	23	17	39.99	cps
Dysprosium	156-2	3	20	7	10	88.20	cps
Erbium	164-1	130	123	127	127	2.63	cps
Erbium	164-2	97	77	87	87	11.54	cps
Gadolinium	160-1	127	100	117	114	11.77	cps
Gadolinium	160-2	910	1017	1033	987	6.78	cps
Holmium	165-1	29384032	28427890	28490892	28767605	1.86	cps
Holmium	165-2	18829936	18689136	18586196	18701756	0.65	cps
Indium	115-1	23020785	22700695	22735356	22818945	0.77	cps
Indium	115-2	7696772	7699038	7683192	7693000	0.11	cps
Iron	56-2	118167	89293	86748	98069	17.80	cps
Iron	57-2	3177	2664	2800	2880	9.23	cps
Iron	54-2	8320	6525	6398	7081	15.18	cps
Krypton	83-1	297	277	363	312	14.53	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	CCB001	Instrumnet Name :	P7
Client Sample ID :	CCB001	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:38:47	DataFile Name :	020CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4838	5021	5331	5063	4.93	cps
Lead	207-1	4534	4054	4384	4324	5.68	cps
Lead	208-1	19783	19029	20796	19869	4.46	cps
Lithium	6-1	2379525	2331237	2311854	2340872	1.49	cps
Magnesium	24-2	17498	12324	11546	13789	23.46	cps
Manganese	55-2	4084	3761	3280	3708	10.90	cps
Molybdenum	94-1	2760	2907	3877	3182	19.08	cps
Molybdenum	95-1	3694	3444	4771	3970	17.76	cps
Molybdenum	96-1	3927	3777	5134	4280	17.38	cps
Molybdenum	97-1	2217	2080	2764	2354	15.37	cps
Molybdenum	98-1	5555	5751	7585	6297	17.79	cps
Neodymium	150-1	13	7	23	14	58.06	cps
Neodymium	150-2	13	0	7	7	99.98	cps
Nickel	60-2	2305	2240	2276	2274	1.42	cps
Phosphorus	31-2	370	293	283	316	15.03	cps
Potassium	39-2	86106	81208	81403	82906	3.35	cps
Rhodium	103-1	21465729	21253978	21254926	21324877	0.57	cps
Rhodium	103-2	12601819	12495251	12548271	12548447	0.42	cps
Scandium	45-1	11715760	11513594	11445836	11558397	1.21	cps
Scandium	45-2	989100	987496	990973	989190	0.18	cps
Selenium	82-1	871	807	749	809	7.55	cps
Selenium	77-2	7	0	3	3	100.05	cps
Selenium	78-2	423	400	520	448	14.21	cps
Silicon	28-1	845050	843085	849356	845830	0.38	cps
Silver	107-1	2040	1697	1770	1836	9.85	cps
Silver	109-1	1837	1350	1463	1550	16.43	cps
Sodium	23-2	102658	87547	84939	91715	10.43	cps
Strontium	86-1	680	653	740	691	6.42	cps
Strontium	88-1	1937	1760	2130	1942	9.53	cps
Sulfur	34-1	254207	258016	258036	256753	0.86	cps
Terbium	159-1	29481166	29153301	28819108	29151192	1.14	cps
Terbium	159-2	18454148	18697723	18294299	18482057	1.10	cps
Thallium	203-1	2984	2714	2750	2816	5.20	cps
Thallium	205-1	6985	6225	6392	6534	6.12	cps
Tin	118-1	6061	5508	5851	5807	4.81	cps
Titanium	47-1	887	623	783	764	17.36	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	CCB001	Instrumnet Name :	P7
Client Sample ID :	CCB001	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:38:47	DataFile Name :	020CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	1130	1157	1663	1317	22.82	cps
Vanadium	51-2	313	243	227	261	17.61	cps
Yttrium	89-1	26350275	25922428	25846412	26039705	1.04	cps
Yttrium	89-2	6583302	6521794	6484055	6529717	0.77	cps
Zinc	66-2	4008	1843	1917	2590	47.47	cps
Zirconium	90-1	2307	2280	2807	2465	12.04	cps
Zirconium	91-1	500	513	690	568	18.68	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165206BL	Instrumnet Name :	P7
Client Sample ID :	PBS206	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:42:02	DataFile Name :	021CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	410	387	403	400	3.01	cps
Antimony	121-1	917	1383	1917	1406	35.60	cps
Arsenic	75-2	30	13	23	22	37.76	cps
Barium	135-1	147	187	187	173	13.32	cps
Barium	137-1	350	233	290	291	20.04	cps
Beryllium	9-1	150	156	117	141	14.94	cps
Bismuth	209-1	17843272	16357712	17058264	17086416	4.35	cps
Bismuth	209-2	12933138	12701959	12845354	12826817	0.91	cps
Bromine	81-1	18989	18799	18812	18867	0.56	cps
Bromine	81-2	73	97	103	91	17.29	cps
Cadmium	108-1	30	23	23	26	15.07	cps
Cadmium	106-1	7389	6828	6645	6954	5.57	cps
Cadmium	111-1	5301	4890	4755	4982	5.71	cps
Calcium	43-1	853	770	863	829	6.18	cps
Calcium	44-1	27375	26059	25722	26385	3.31	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2910	2857	2900	2889	0.98	cps
Cobalt	59-2	227	217	220	221	2.30	cps
Copper	63-2	1973	1943	1990	1969	1.20	cps
Dysprosium	156-1	10	23	20	18	39.03	cps
Dysprosium	156-2	3	3	3	3	0.00	cps
Erbium	164-1	133	113	110	119	10.62	cps
Erbium	164-2	87	60	67	71	19.52	cps
Gadolinium	160-1	123	120	127	123	2.70	cps
Gadolinium	160-2	970	920	1063	984	7.39	cps
Holmium	165-1	28405986	25979666	27398239	27261297	4.47	cps
Holmium	165-2	18330313	18193250	18309496	18277687	0.40	cps
Indium	115-1	22438187	20906964	21977205	21774119	3.61	cps
Indium	115-2	7575384	7483366	7547494	7535415	0.63	cps
Iron	56-2	35489	35024	34934	35149	0.85	cps
Iron	57-2	1463	1477	1460	1467	0.60	cps
Iron	54-2	3954	3991	3714	3886	3.87	cps
Krypton	83-1	303	310	300	304	1.67	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165206BL	Instrumnet Name :	P7
Client Sample ID :	PBS206	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:42:02	DataFile Name :	021CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2720	2444	2564	2576	5.39	cps
Lead	207-1	2197	2040	2120	2119	3.70	cps
Lead	208-1	10555	9932	9791	10093	4.03	cps
Lithium	6-1	2295155	2135538	2286108	2238934	4.00	cps
Magnesium	24-2	3259	3156	3173	3196	1.74	cps
Manganese	55-2	1420	1473	1390	1428	2.96	cps
Molybdenum	94-1	1277	1257	1340	1291	3.37	cps
Molybdenum	95-1	1003	1027	1220	1083	10.98	cps
Molybdenum	96-1	1103	1140	1350	1198	11.11	cps
Molybdenum	97-1	630	683	640	651	4.35	cps
Molybdenum	98-1	1627	1570	1650	1616	2.55	cps
Neodymium	150-1	7	10	3	7	50.03	cps
Neodymium	150-2	13	10	7	10	33.30	cps
Nickel	60-2	2192	2301	2091	2195	4.78	cps
Phosphorus	31-2	353	343	307	334	7.35	cps
Potassium	39-2	74005	74049	74065	74040	0.04	cps
Rhodium	103-1	21235642	19594431	20806650	20545575	4.14	cps
Rhodium	103-2	12242954	12262674	12258832	12254820	0.09	cps
Scandium	45-1	11404159	10661739	11163720	11076539	3.42	cps
Scandium	45-2	972811	975379	967448	971879	0.42	cps
Selenium	82-1	805	710	659	725	10.23	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	433	417	477	442	7.00	cps
Silicon	28-1	833137	836403	832658	834066	0.24	cps
Silver	107-1	563	520	547	543	4.02	cps
Silver	109-1	527	450	387	454	15.43	cps
Sodium	23-2	59340	59330	58701	59124	0.62	cps
Strontium	86-1	433	550	457	480	12.86	cps
Strontium	88-1	913	737	623	758	19.29	cps
Sulfur	34-1	264624	267347	268798	266923	0.79	cps
Terbium	159-1	28509608	26770124	28229173	27836302	3.36	cps
Terbium	159-2	17862466	17854260	17690056	17802261	0.55	cps
Thallium	203-1	1637	1727	1617	1660	3.53	cps
Thallium	205-1	4137	3787	3727	3884	5.70	cps
Tin	118-1	4401	3954	4571	4308	7.40	cps
Titanium	47-1	263	250	277	263	5.06	cps

Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165206BL	Instrumnet Name :	P7
Client Sample ID :	PBS206	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:42:02	DataFile Name :	021CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	247	227	167	213	19.52	cps
Vanadium	51-2	47	43	57	49	14.20	cps
Yttrium	89-1	25861133	23855304	25295455	25003964	4.14	cps
Yttrium	89-2	6407061	6328355	6414788	6383401	0.75	cps
Zinc	66-2	1170	1140	1180	1163	1.79	cps
Zirconium	90-1	1800	1917	2164	1960	9.46	cps
Zirconium	91-1	380	393	473	416	12.15	cps

Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165206BS	Instrumnet Name :	P7
Client Sample ID :	LCS206	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:45:20	DataFile Name :	022LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	24366	24613	24910	24630	1.11	cps
Antimony	121-1	112160	112163	111461	111928	0.36	cps
Arsenic	75-2	2897	2924	3067	2963	3.09	cps
Barium	135-1	136133	135023	134273	135143	0.69	cps
Barium	137-1	237654	237094	234401	236383	0.74	cps
Beryllium	9-1	5551	5140	4823	5171	7.06	cps
Bismuth	209-1	17701958	17288175	17509156	17499763	1.18	cps
Bismuth	209-2	13193892	13196431	13136534	13175619	0.26	cps
Bromine	81-1	18185	18148	18185	18172	0.12	cps
Bromine	81-2	73	90	103	89	16.91	cps
Cadmium	108-1	1037	1103	973	1038	6.26	cps
Cadmium	106-1	8496	8433	8609	8513	1.05	cps
Cadmium	111-1	20226	19881	19832	19980	1.07	cps
Calcium	43-1	68242	68922	67238	68134	1.24	cps
Calcium	44-1	1118983	1113882	1096623	1109829	1.06	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	47401	47270	46565	47079	0.96	cps
Cobalt	59-2	36401	34877	36230	35836	2.33	cps
Copper	63-2	56225	55633	55757	55871	0.56	cps
Dysprosium	156-1	40	37	20	32	33.25	cps
Dysprosium	156-2	23	20	23	22	8.65	cps
Erbium	164-1	127	100	77	101	24.74	cps
Erbium	164-2	107	63	80	83	26.23	cps
Gadolinium	160-1	100	177	110	129	32.34	cps
Gadolinium	160-2	1073	987	1053	1038	4.37	cps
Holmium	165-1	28652927	28410580	27868657	28310722	1.42	cps
Holmium	165-2	18863276	18542809	18406146	18604077	1.26	cps
Indium	115-1	23201156	22777879	22497751	22825595	1.55	cps
Indium	115-2	7757907	7734477	7598290	7696891	1.12	cps
Iron	56-2	4099499	4031002	4023396	4051299	1.03	cps
Iron	57-2	106295	104939	105718	105651	0.64	cps
Iron	54-2	232456	229137	232118	231237	0.79	cps
Krypton	83-1	290	260	303	284	7.80	cps

Reviewed By:jaswal
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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165206BS	Instrumnet Name :	P7
Client Sample ID :	LCS206	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:45:20	DataFile Name :	022LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	45101	45402	45068	45190	0.41	cps
Lead	207-1	40159	39845	39785	39930	0.50	cps
Lead	208-1	184157	181814	180962	182311	0.91	cps
Lithium	6-1	2315404	2363097	2334245	2337582	1.03	cps
Magnesium	24-2	928616	927968	927544	928042	0.06	cps
Manganese	55-2	19499	19182	19002	19228	1.31	cps
Molybdenum	94-1	113226	114675	112793	113565	0.87	cps
Molybdenum	95-1	139978	138144	137650	138591	0.89	cps
Molybdenum	96-1	153653	152960	153034	153216	0.25	cps
Molybdenum	97-1	87305	87553	86249	87036	0.80	cps
Molybdenum	98-1	226928	227457	221923	225436	1.35	cps
Neodymium	150-1	27	33	30	30	11.10	cps
Neodymium	150-2	0	10	7	6	91.64	cps
Nickel	60-2	12718	12631	12897	12749	1.06	cps
Phosphorus	31-2	263	260	290	271	6.07	cps
Potassium	39-2	1230602	1183895	1237552	1217350	2.40	cps
Rhodium	103-1	21772871	21351669	21241047	21455196	1.31	cps
Rhodium	103-2	12538376	12604714	12466214	12536435	0.55	cps
Scandium	45-1	11711681	11734524	11561998	11669401	0.80	cps
Scandium	45-2	1005342	1012808	1010392	1009514	0.38	cps
Selenium	82-1	5278	5244	5238	5253	0.41	cps
Selenium	77-2	407	420	433	420	3.17	cps
Selenium	78-2	1920	2000	1950	1957	2.07	cps
Silicon	28-1	1336652	1354555	1346462	1345890	0.67	cps
Silver	107-1	73391	73347	72396	73045	0.77	cps
Silver	109-1	69050	70936	69991	69992	1.35	cps
Sodium	23-2	1550707	1571508	1520939	1547718	1.64	cps
Strontium	86-1	18372	17918	17357	17882	2.84	cps
Strontium	88-1	150571	149649	150534	150252	0.35	cps
Sulfur	34-1	272346	274128	273870	273448	0.35	cps
Terbium	159-1	29261794	28778344	28681116	28907085	1.08	cps
Terbium	159-2	18197185	18360976	18526439	18361533	0.90	cps
Thallium	203-1	55328	54927	53715	54657	1.54	cps
Thallium	205-1	132894	131282	128750	130975	1.60	cps
Tin	118-1	5631	5711	5688	5677	0.73	cps
Titanium	47-1	32321	32632	31960	32304	1.04	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165206BS	Instrumnet Name :	P7
Client Sample ID :	LCS206	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:45:20	DataFile Name :	022LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	163118	160979	159748	161282	1.06	cps
Vanadium	51-2	92803	92548	92867	92739	0.18	cps
Yttrium	89-1	26198196	25866170	25538224	25867530	1.28	cps
Yttrium	89-2	6590377	6605407	6509910	6568565	0.78	cps
Zinc	66-2	24363	23395	23632	23797	2.12	cps
Zirconium	90-1	97293	95263	93790	95448	1.84	cps
Zirconium	91-1	21159	21446	20952	21185	1.17	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165205BL	Instrumnet Name :	P7
Client Sample ID :	PBS205	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:48:32	DataFile Name :	023CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	307	303	313	308	1.65	cps
Antimony	121-1	367	403	537	436	20.54	cps
Arsenic	75-2	7	13	10	10	33.30	cps
Barium	135-1	147	130	103	127	17.25	cps
Barium	137-1	240	203	207	217	9.36	cps
Beryllium	9-1	78	78	100	85	15.06	cps
Bismuth	209-1	17156351	17034954	17088816	17093374	0.36	cps
Bismuth	209-2	12983254	12896489	12993181	12957641	0.41	cps
Bromine	81-1	17334	18128	18011	17824	2.41	cps
Bromine	81-2	97	117	83	99	16.97	cps
Cadmium	108-1	20	23	13	19	26.96	cps
Cadmium	106-1	6828	6622	6668	6706	1.62	cps
Cadmium	111-1	4839	4705	4732	4759	1.49	cps
Calcium	43-1	760	767	800	776	2.76	cps
Calcium	44-1	26003	25682	25525	25736	0.95	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3074	3070	3044	3063	0.54	cps
Cobalt	59-2	170	193	223	196	13.67	cps
Copper	63-2	1720	1763	1630	1705	3.99	cps
Dysprosium	156-1	33	13	20	22	45.83	cps
Dysprosium	156-2	17	0	10	9	94.38	cps
Erbium	164-1	90	80	83	84	6.03	cps
Erbium	164-2	80	80	80	80	0.00	cps
Gadolinium	160-1	123	147	97	122	20.47	cps
Gadolinium	160-2	930	1117	933	993	10.75	cps
Holmium	165-1	27393130	27345815	27085245	27274730	0.61	cps
Holmium	165-2	18415944	18188808	18180459	18261737	0.73	cps
Indium	115-1	22122045	21977690	21976450	22025395	0.38	cps
Indium	115-2	7644113	7659726	7623469	7642436	0.24	cps
Iron	56-2	34600	34854	34910	34788	0.48	cps
Iron	57-2	1577	1670	1560	1602	3.70	cps
Iron	54-2	4034	4084	3894	4004	2.46	cps
Krypton	83-1	343	320	290	318	8.41	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165205BL	Instrumnet Name :	P7
Client Sample ID :	PBS205	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:48:32	DataFile Name :	023CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1733	1730	1663	1709	2.31	cps
Lead	207-1	1547	1680	1437	1555	7.84	cps
Lead	208-1	6901	6901	6651	6817	2.12	cps
Lithium	6-1	2197777	2243696	2351810	2264427	3.49	cps
Magnesium	24-2	2709	2882	2693	2761	3.81	cps
Manganese	55-2	1247	1350	1277	1291	4.12	cps
Molybdenum	94-1	760	880	970	870	12.11	cps
Molybdenum	95-1	460	510	547	506	8.61	cps
Molybdenum	96-1	613	673	777	688	12.01	cps
Molybdenum	97-1	310	270	367	316	15.39	cps
Molybdenum	98-1	820	750	790	787	4.46	cps
Neodymium	150-1	13	13	10	12	15.73	cps
Neodymium	150-2	7	7	3	6	34.70	cps
Nickel	60-2	2140	2082	2162	2128	1.94	cps
Phosphorus	31-2	290	333	323	316	7.19	cps
Potassium	39-2	72736	73309	74467	73504	1.20	cps
Rhodium	103-1	20779666	20748664	20759156	20762496	0.08	cps
Rhodium	103-2	12448493	12416614	12327415	12397507	0.51	cps
Scandium	45-1	11335770	11266877	11426469	11343039	0.71	cps
Scandium	45-2	1000951	992080	1001424	998151	0.53	cps
Selenium	82-1	743	866	778	796	7.99	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	473	590	520	528	11.13	cps
Silicon	28-1	858730	864661	866553	863315	0.47	cps
Silver	107-1	407	313	320	347	15.02	cps
Silver	109-1	257	203	203	221	13.92	cps
Sodium	23-2	50857	50228	51847	50977	1.60	cps
Strontium	86-1	560	487	603	550	10.72	cps
Strontium	88-1	560	583	510	551	6.80	cps
Sulfur	34-1	266075	265752	266123	265983	0.08	cps
Terbium	159-1	27938880	28113244	28084476	28045533	0.33	cps
Terbium	159-2	18150205	17737242	17659111	17848853	1.48	cps
Thallium	203-1	960	840	967	922	7.73	cps
Thallium	205-1	2230	2270	2177	2226	2.10	cps
Tin	118-1	4114	4244	4234	4197	1.72	cps
Titanium	47-1	227	197	173	199	13.44	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165205BL	Instrumnet Name :	P7
Client Sample ID :	PBS205	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:48:32	DataFile Name :	023CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	97	40	40	59	55.56	cps
Vanadium	51-2	33	30	13	26	41.94	cps
Yttrium	89-1	25475396	24878921	25222568	25192295	1.19	cps
Yttrium	89-2	6416500	6465096	6459016	6446870	0.41	cps
Zinc	66-2	1083	1257	1073	1138	9.06	cps
Zirconium	90-1	1417	1673	1913	1668	14.89	cps
Zirconium	91-1	317	377	393	362	11.13	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165205BS	Instrumnet Name :	P7
Client Sample ID :	LCS205	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:51:50	DataFile Name :	024CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	22744	22443	22403	22530	0.83	cps
Antimony	121-1	114091	112448	112771	113104	0.77	cps
Arsenic	75-2	3050	2940	3037	3009	2.00	cps
Barium	135-1	137503	137624	138217	137781	0.28	cps
Barium	137-1	242049	237825	236295	238723	1.25	cps
Beryllium	9-1	5401	5268	5340	5336	1.25	cps
Bismuth	209-1	17985085	17579854	17610469	17725136	1.27	cps
Bismuth	209-2	13414957	13163819	13288941	13289239	0.94	cps
Bromine	81-1	18505	18495	18145	18382	1.12	cps
Bromine	81-2	127	103	113	114	10.23	cps
Cadmium	108-1	1087	1030	1077	1064	2.84	cps
Cadmium	106-1	9133	8576	8816	8842	3.16	cps
Cadmium	111-1	20640	20116	20399	20385	1.29	cps
Calcium	43-1	69237	68406	67636	68427	1.17	cps
Calcium	44-1	1142180	1126017	1120220	1129472	1.01	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	47999	48147	47952	48033	0.21	cps
Cobalt	59-2	36925	37503	36735	37055	1.08	cps
Copper	63-2	56443	56372	56928	56581	0.53	cps
Dysprosium	156-1	47	33	40	40	16.68	cps
Dysprosium	156-2	33	23	37	31	22.31	cps
Erbium	164-1	110	120	143	124	13.75	cps
Erbium	164-2	83	60	83	76	17.83	cps
Gadolinium	160-1	153	167	150	157	5.63	cps
Gadolinium	160-2	1017	947	1033	999	4.60	cps
Holmium	165-1	29108419	28556907	28109327	28591551	1.75	cps
Holmium	165-2	19129663	18723831	18521687	18791727	1.65	cps
Indium	115-1	23094426	22912182	22955288	22987298	0.41	cps
Indium	115-2	7997307	7816622	7972392	7928774	1.24	cps
Iron	56-2	4088765	4076053	4115370	4093396	0.49	cps
Iron	57-2	109052	108024	107702	108260	0.65	cps
Iron	54-2	237899	236697	236694	237097	0.29	cps
Krypton	83-1	310	283	347	313	10.15	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165205BS	Instrumnet Name :	P7
Client Sample ID :	LCS205	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:51:50	DataFile Name :	024CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	46693	46292	44991	45992	1.93	cps
Lead	207-1	40152	40156	39417	39908	1.07	cps
Lead	208-1	184953	183820	180713	183162	1.20	cps
Lithium	6-1	2355727	2317709	2304982	2326139	1.14	cps
Magnesium	24-2	955053	948716	946362	950044	0.47	cps
Manganese	55-2	18912	19409	19483	19268	1.61	cps
Molybdenum	94-1	116122	114342	114281	114915	0.91	cps
Molybdenum	95-1	141310	141170	139769	140750	0.61	cps
Molybdenum	96-1	158350	156314	154725	156463	1.16	cps
Molybdenum	97-1	89693	88006	86776	88158	1.66	cps
Molybdenum	98-1	229820	228723	227440	228661	0.52	cps
Neodymium	150-1	23	7	30	20	60.08	cps
Neodymium	150-2	13	10	3	9	57.30	cps
Nickel	60-2	14446	14104	14572	14374	1.68	cps
Phosphorus	31-2	297	327	283	302	7.34	cps
Potassium	39-2	1230035	1216121	1226779	1224312	0.59	cps
Rhodium	103-1	21871965	21712850	21608246	21731020	0.61	cps
Rhodium	103-2	12817061	12712984	12676490	12735512	0.57	cps
Scandium	45-1	11936747	11761642	11706959	11801783	1.02	cps
Scandium	45-2	1040781	1035573	1040804	1039052	0.29	cps
Selenium	82-1	5628	5543	5416	5529	1.93	cps
Selenium	77-2	423	507	413	448	11.44	cps
Selenium	78-2	1937	1883	1920	1913	1.43	cps
Silicon	28-1	1400725	1372607	1401950	1391761	1.19	cps
Silver	107-1	73980	74805	75994	74926	1.35	cps
Silver	109-1	71562	72135	70675	71457	1.03	cps
Sodium	23-2	1579058	1548786	1578236	1568694	1.10	cps
Strontium	86-1	18195	17707	18281	18061	1.71	cps
Strontium	88-1	156617	152868	152380	153955	1.51	cps
Sulfur	34-1	278037	275455	280185	277892	0.85	cps
Terbium	159-1	29511285	28773855	29109700	29131614	1.27	cps
Terbium	159-2	18377481	18366159	18505747	18416463	0.42	cps
Thallium	203-1	54625	54438	53464	54176	1.15	cps
Thallium	205-1	131317	128685	127871	129291	1.39	cps
Tin	118-1	5898	5631	5481	5670	3.72	cps
Titanium	47-1	33464	32705	32912	33027	1.19	cps

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On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165205BS	Instrumnet Name :	P7
Client Sample ID :	LCS205	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:51:50	DataFile Name :	024CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	164546	163574	161418	163179	0.98	cps
Vanadium	51-2	94617	94909	95184	94904	0.30	cps
Yttrium	89-1	26538123	26426635	25991175	26318644	1.10	cps
Yttrium	89-2	6761743	6748473	6692313	6734177	0.55	cps
Zinc	66-2	23729	24233	23245	23736	2.08	cps
Zirconium	90-1	99531	96454	96631	97539	1.77	cps
Zirconium	91-1	21856	21319	21069	21415	1.88	cps

Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165214BL	Instrumnet Name :	P7
Client Sample ID :	PBS214	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:55:02	DataFile Name :	025CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	263	333	343	313	13.91	cps
Antimony	121-1	180	343	413	312	38.35	cps
Arsenic	75-2	10	33	13	19	66.81	cps
Barium	135-1	110	130	117	119	8.57	cps
Barium	137-1	180	197	223	200	10.93	cps
Beryllium	9-1	94	106	144	115	22.87	cps
Bismuth	209-1	17260723	17137995	17165071	17187930	0.38	cps
Bismuth	209-2	13064316	12992494	12896405	12984405	0.65	cps
Bromine	81-1	18699	18922	19036	18886	0.91	cps
Bromine	81-2	130	93	140	121	20.29	cps
Cadmium	108-1	13	17	23	18	28.64	cps
Cadmium	106-1	7305	7455	6935	7232	3.70	cps
Cadmium	111-1	5168	5274	4892	5111	3.86	cps
Calcium	43-1	763	890	750	801	9.64	cps
Calcium	44-1	26918	26660	27185	26921	0.97	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2990	2757	3037	2928	5.12	cps
Cobalt	59-2	163	147	190	167	13.11	cps
Copper	63-2	1630	1763	1593	1662	5.38	cps
Dysprosium	156-1	13	30	17	20	44.10	cps
Dysprosium	156-2	10	3	3	6	69.34	cps
Erbium	164-1	100	73	107	93	18.90	cps
Erbium	164-2	70	90	70	77	15.06	cps
Gadolinium	160-1	107	133	100	113	15.57	cps
Gadolinium	160-2	970	1063	987	1007	4.95	cps
Holmium	165-1	28086451	28050499	27732146	27956365	0.70	cps
Holmium	165-2	18526471	18413180	18232539	18390730	0.81	cps
Indium	115-1	22392712	22615419	22208813	22405648	0.91	cps
Indium	115-2	7761398	7785574	7748737	7765237	0.24	cps
Iron	56-2	31563	31122	30711	31132	1.37	cps
Iron	57-2	1333	1337	1360	1343	1.08	cps
Iron	54-2	4011	3730	3817	3853	3.72	cps
Krypton	83-1	230	350	260	280	22.30	cps

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165214BL	Instrumnet Name :	P7
Client Sample ID :	PBS214	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:55:02	DataFile Name :	025CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1410	1563	1423	1466	5.80	cps
Lead	207-1	1247	1210	1177	1211	2.89	cps
Lead	208-1	5637	5644	5691	5657	0.51	cps
Lithium	6-1	2364634	2331193	2303294	2333040	1.32	cps
Magnesium	24-2	2835	2805	2732	2791	1.90	cps
Manganese	55-2	1813	1800	1820	1811	0.56	cps
Molybdenum	94-1	730	790	923	814	12.15	cps
Molybdenum	95-1	387	410	543	447	18.92	cps
Molybdenum	96-1	520	577	640	579	10.37	cps
Molybdenum	97-1	280	273	337	297	11.73	cps
Molybdenum	98-1	697	770	843	770	9.52	cps
Neodymium	150-1	13	10	0	8	89.21	cps
Neodymium	150-2	3	3	7	4	43.40	cps
Nickel	60-2	3189	3185	3145	3173	0.76	cps
Phosphorus	31-2	303	367	323	331	9.78	cps
Potassium	39-2	72699	73456	72829	72995	0.55	cps
Rhodium	103-1	21409339	21073545	20989329	21157404	1.05	cps
Rhodium	103-2	12666788	12564185	12453177	12561383	0.85	cps
Scandium	45-1	11631017	11535035	11573097	11579717	0.42	cps
Scandium	45-2	1010022	1010747	1013264	1011344	0.17	cps
Selenium	82-1	1017	777	854	883	13.88	cps
Selenium	77-2	0	0	3	1	173.21	cps
Selenium	78-2	517	463	457	479	6.87	cps
Silicon	28-1	877860	871233	874437	874510	0.38	cps
Silver	107-1	313	400	293	336	16.90	cps
Silver	109-1	250	207	163	207	20.97	cps
Sodium	23-2	47195	48626	47446	47756	1.60	cps
Strontium	86-1	570	480	510	520	8.81	cps
Strontium	88-1	550	583	640	591	7.70	cps
Sulfur	34-1	279526	276974	276357	277619	0.61	cps
Terbium	159-1	28081491	28363596	28377192	28274093	0.59	cps
Terbium	159-2	18036979	18169376	18051062	18085806	0.40	cps
Thallium	203-1	827	733	760	773	6.22	cps
Thallium	205-1	1753	1707	1780	1747	2.12	cps
Tin	118-1	3971	4001	4111	4027	1.83	cps
Titanium	47-1	237	220	267	241	9.81	cps

Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165214BL	Instrumnet Name :	P7
Client Sample ID :	PBS214	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:55:02	DataFile Name :	025CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	60	80	83	74	16.95	cps
Vanadium	51-2	33	27	27	29	13.31	cps
Yttrium	89-1	25822644	25796870	25472706	25697407	0.76	cps
Yttrium	89-2	6647075	6558686	6617324	6607695	0.68	cps
Zinc	66-2	1177	1230	1230	1212	2.54	cps
Zirconium	90-1	1450	1537	1797	1595	11.32	cps
Zirconium	91-1	260	307	347	304	14.25	cps

Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165214BS	Instrumnet Name :	P7
Client Sample ID :	LCS214	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:58:19	DataFile Name :	026LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	22530	22019	22179	22243	1.17	cps
Antimony	121-1	111172	112909	110080	111387	1.28	cps
Arsenic	75-2	2980	3010	2810	2934	3.68	cps
Barium	135-1	136202	136733	134895	135943	0.70	cps
Barium	137-1	240607	235379	233843	236610	1.50	cps
Beryllium	9-1	5490	5006	5101	5199	4.93	cps
Bismuth	209-1	18568091	17772053	17377520	17905888	3.39	cps
Bismuth	209-2	13401138	13393645	13230771	13341851	0.72	cps
Bromine	81-1	19246	19440	19359	19348	0.50	cps
Bromine	81-2	110	100	123	111	10.54	cps
Cadmium	108-1	1193	1210	1137	1180	3.26	cps
Cadmium	106-1	9396	8599	8993	8996	4.43	cps
Cadmium	111-1	20370	19696	20120	20062	1.70	cps
Calcium	43-1	68791	68959	69307	69019	0.38	cps
Calcium	44-1	1131323	1129672	1121584	1127527	0.46	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	46990	47254	46672	46972	0.62	cps
Cobalt	59-2	36488	36722	36220	36477	0.69	cps
Copper	63-2	56489	56034	56995	56506	0.85	cps
Dysprosium	156-1	37	30	40	36	14.32	cps
Dysprosium	156-2	30	43	10	28	60.40	cps
Erbium	164-1	150	120	90	120	25.00	cps
Erbium	164-2	97	80	80	86	11.25	cps
Gadolinium	160-1	143	110	163	139	19.40	cps
Gadolinium	160-2	1133	1040	990	1054	6.90	cps
Holmium	165-1	29726726	28671933	28371291	28923317	2.46	cps
Holmium	165-2	19019898	18850657	18702995	18857850	0.84	cps
Indium	115-1	24192536	23318197	22953021	23487918	2.71	cps
Indium	115-2	7987553	7884378	7876102	7916011	0.78	cps
Iron	56-2	4086312	4030710	4054325	4057116	0.69	cps
Iron	57-2	107440	106162	105607	106403	0.88	cps
Iron	54-2	234947	236326	233894	235056	0.52	cps
Krypton	83-1	323	317	290	310	5.69	cps

Reviewed By:jaswal
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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165214BS	Instrumnet Name :	P7
Client Sample ID :	LCS214	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:58:19	DataFile Name :	026LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	46071	44559	44957	45196	1.73	cps
Lead	207-1	40092	40808	39220	40040	1.99	cps
Lead	208-1	183824	180174	179244	181081	1.34	cps
Lithium	6-1	2458225	2394363	2388757	2413781	1.60	cps
Magnesium	24-2	947809	937948	936730	940829	0.65	cps
Manganese	55-2	19473	19242	19119	19278	0.93	cps
Molybdenum	94-1	114664	114050	115313	114675	0.55	cps
Molybdenum	95-1	142449	140375	138626	140483	1.36	cps
Molybdenum	96-1	157888	155945	153920	155918	1.27	cps
Molybdenum	97-1	87915	87262	87537	87571	0.37	cps
Molybdenum	98-1	229218	228307	225757	227761	0.79	cps
Neodymium	150-1	20	30	27	26	19.92	cps
Neodymium	150-2	10	10	0	7	86.60	cps
Nickel	60-2	14005	14177	14561	14247	2.00	cps
Phosphorus	31-2	230	313	347	297	20.26	cps
Potassium	39-2	1216392	1223307	1201387	1213695	0.92	cps
Rhodium	103-1	22773743	21967024	21481361	22074043	2.96	cps
Rhodium	103-2	12959614	12603889	12735074	12766192	1.41	cps
Scandium	45-1	12237109	12003761	11939059	12059976	1.30	cps
Scandium	45-2	1046852	1032444	1036669	1038655	0.71	cps
Selenium	82-1	5442	5529	5359	5443	1.56	cps
Selenium	77-2	473	423	473	457	6.32	cps
Selenium	78-2	2127	1913	2080	2040	5.50	cps
Silicon	28-1	1387361	1369250	1363540	1373383	0.91	cps
Silver	107-1	73682	72962	73089	73245	0.53	cps
Silver	109-1	69482	71143	70058	70228	1.20	cps
Sodium	23-2	1570511	1572965	1542892	1562123	1.07	cps
Strontium	86-1	18085	17994	17828	17969	0.73	cps
Strontium	88-1	152946	151952	152312	152403	0.33	cps
Sulfur	34-1	286958	284812	288116	286629	0.58	cps
Terbium	159-1	30004633	29296964	28780880	29360825	2.09	cps
Terbium	159-2	18713271	18559412	18437868	18570183	0.74	cps
Thallium	203-1	53695	53718	53491	53635	0.23	cps
Thallium	205-1	128920	128712	127756	128463	0.48	cps
Tin	118-1	5985	5768	5628	5793	3.10	cps
Titanium	47-1	32465	33494	32418	32792	1.85	cps

Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165214BS	Instrumnet Name :	P7
Client Sample ID :	LCS214	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 17:58:19	DataFile Name :	026LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	161533	161654	158147	160445	1.24	cps
Vanadium	51-2	93792	95204	93017	94005	1.18	cps
Yttrium	89-1	27848103	26692357	26584682	27041714	2.59	cps
Yttrium	89-2	6861300	6696601	6682157	6746686	1.48	cps
Zinc	66-2	23308	23679	23832	23607	1.14	cps
Zirconium	90-1	97326	96427	94595	96116	1.45	cps
Zirconium	91-1	21703	22190	21482	21792	1.66	cps

Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165208BL	Instrumnet Name :	P7
Client Sample ID :	PBS208	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:01:32	DataFile Name :	027CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	400	387	387	391	1.97	cps
Antimony	121-1	237	277	383	299	25.37	cps
Arsenic	75-2	7	17	33	19	71.30	cps
Barium	135-1	113	110	110	111	1.74	cps
Barium	137-1	257	180	227	221	17.47	cps
Beryllium	9-1	106	61	106	91	28.28	cps
Bismuth	209-1	17698274	17066381	17024174	17262943	2.19	cps
Bismuth	209-2	13001985	12924897	13099718	13008866	0.67	cps
Bromine	81-1	19807	20414	19196	19806	3.08	cps
Bromine	81-2	110	167	133	137	20.84	cps
Cadmium	108-1	27	20	13	20	33.35	cps
Cadmium	106-1	7182	7339	6958	7160	2.67	cps
Cadmium	111-1	5055	5150	4902	5036	2.49	cps
Calcium	43-1	820	783	793	799	2.37	cps
Calcium	44-1	26717	26236	25375	26109	2.60	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3017	3044	2934	2998	1.91	cps
Cobalt	59-2	197	207	207	203	2.84	cps
Copper	63-2	1740	1680	1557	1659	5.64	cps
Dysprosium	156-1	40	27	10	26	58.81	cps
Dysprosium	156-2	7	17	3	9	78.08	cps
Erbium	164-1	120	107	103	110	8.02	cps
Erbium	164-2	80	57	97	78	25.83	cps
Gadolinium	160-1	127	147	93	122	22.05	cps
Gadolinium	160-2	967	1060	1033	1020	4.71	cps
Holmium	165-1	28720297	27591671	27490828	27934265	2.44	cps
Holmium	165-2	18550624	18357764	18518427	18475605	0.56	cps
Indium	115-1	23347874	22148598	22254196	22583556	2.94	cps
Indium	115-2	7761053	7738237	7664849	7721380	0.65	cps
Iron	56-2	32268	32542	32392	32400	0.42	cps
Iron	57-2	1453	1477	1520	1483	2.28	cps
Iron	54-2	3904	3994	3894	3931	1.40	cps
Krypton	83-1	257	277	303	279	8.40	cps

Reviewed By:jaswal
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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165208BL	Instrumnet Name :	P7
Client Sample ID :	PBS208	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:01:32	DataFile Name :	027CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1367	1320	1380	1356	2.32	cps
Lead	207-1	1117	1113	1237	1156	6.08	cps
Lead	208-1	5214	5300	5240	5252	0.85	cps
Lithium	6-1	2380240	2347080	2298445	2341922	1.76	cps
Magnesium	24-2	2769	2782	2779	2777	0.25	cps
Manganese	55-2	1217	1187	1110	1171	4.70	cps
Molybdenum	94-1	790	777	1330	966	32.70	cps
Molybdenum	95-1	477	517	1344	779	62.85	cps
Molybdenum	96-1	720	670	1177	856	32.66	cps
Molybdenum	97-1	363	300	567	410	33.99	cps
Molybdenum	98-1	837	717	1210	921	27.94	cps
Neodymium	150-1	0	13	3	6	124.93	cps
Neodymium	150-2	10	0	7	6	91.64	cps
Nickel	60-2	3903	3783	3844	3843	1.55	cps
Phosphorus	31-2	323	330	323	326	1.18	cps
Potassium	39-2	73835	73905	72759	73500	0.87	cps
Rhodium	103-1	21864299	21145111	20957836	21322415	2.24	cps
Rhodium	103-2	12486460	12453511	12578800	12506257	0.52	cps
Scandium	45-1	12014384	11632713	11571304	11739467	2.04	cps
Scandium	45-2	1011072	1015195	1015717	1013995	0.25	cps
Selenium	82-1	893	944	776	871	9.92	cps
Selenium	77-2	0	0	3	1	173.21	cps
Selenium	78-2	590	507	460	519	12.69	cps
Silicon	28-1	870793	872261	876003	873019	0.31	cps
Silver	107-1	300	257	343	300	14.44	cps
Silver	109-1	260	247	140	216	30.51	cps
Sodium	23-2	45203	45801	44568	45191	1.37	cps
Strontium	86-1	550	573	660	594	9.75	cps
Strontium	88-1	630	547	1050	742	36.37	cps
Sulfur	34-1	286211	288258	283946	286138	0.75	cps
Terbium	159-1	29064616	28115797	28074113	28418175	1.97	cps
Terbium	159-2	18009790	17995933	17956876	17987533	0.15	cps
Thallium	203-1	803	630	817	750	13.89	cps
Thallium	205-1	1913	1797	1670	1793	6.79	cps
Tin	118-1	4107	3697	4024	3943	5.50	cps
Titanium	47-1	237	223	263	241	8.45	cps

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On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165208BL	Instrumnet Name :	P7
Client Sample ID :	PBS208	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:01:32	DataFile Name :	027CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	100	123	123	116	11.66	cps
Vanadium	51-2	43	57	27	42	35.60	cps
Yttrium	89-1	26616795	25763598	25513461	25964618	2.23	cps
Yttrium	89-2	6514915	6644288	6575265	6578156	0.98	cps
Zinc	66-2	1063	933	993	997	6.53	cps
Zirconium	90-1	1490	1647	2020	1719	15.84	cps
Zirconium	91-1	300	337	397	344	14.17	cps

Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165208BS	Instrumnet Name :	P7
Client Sample ID :	LCS208	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:04:49	DataFile Name :	028LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	22023	22450	22443	22305	1.10	cps
Antimony	121-1	111165	110739	110053	110652	0.51	cps
Arsenic	75-2	2890	2884	2800	2858	1.76	cps
Barium	135-1	135561	134633	132937	134377	0.99	cps
Barium	137-1	235160	232332	229980	232491	1.12	cps
Beryllium	9-1	5484	5490	5140	5371	3.73	cps
Bismuth	209-1	17531716	17659731	17481455	17557634	0.52	cps
Bismuth	209-2	11977805	11553282	13157200	12229429	6.80	cps
Bromine	81-1	19994	20077	20151	20074	0.39	cps
Bromine	81-2	157	130	147	144	9.33	cps
Cadmium	108-1	1057	1000	1157	1071	7.41	cps
Cadmium	106-1	9043	8929	9026	9000	0.68	cps
Cadmium	111-1	20368	20051	19926	20115	1.13	cps
Calcium	43-1	68751	68547	67379	68226	1.09	cps
Calcium	44-1	1128421	1114739	1109970	1117710	0.86	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	47725	46722	46037	46828	1.81	cps
Cobalt	59-2	36698	35976	35666	36113	1.47	cps
Copper	63-2	55891	55402	55860	55718	0.49	cps
Dysprosium	156-1	40	63	53	52	22.41	cps
Dysprosium	156-2	23	13	7	14	58.06	cps
Erbium	164-1	90	137	153	127	25.92	cps
Erbium	164-2	73	77	70	73	4.55	cps
Gadolinium	160-1	120	147	163	143	15.25	cps
Gadolinium	160-2	963	913	1110	996	10.27	cps
Holmium	165-1	28603745	28577247	27940390	28373794	1.32	cps
Holmium	165-2	16812632	16200137	18328560	17113776	6.40	cps
Indium	115-1	23268974	22591445	23038640	22966353	1.50	cps
Indium	115-2	7066223	6862863	7791946	7240344	6.75	cps
Iron	56-2	4073186	4075133	4013107	4053809	0.87	cps
Iron	57-2	106232	105856	104758	105615	0.72	cps
Iron	54-2	235384	233506	231154	233348	0.91	cps
Krypton	83-1	323	310	293	309	4.87	cps

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165208BS	Instrumnet Name :	P7
Client Sample ID :	LCS208	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:04:49	DataFile Name :	028LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	44586	44125	43824	44178	0.87	cps
Lead	207-1	38952	38789	39069	38937	0.36	cps
Lead	208-1	179088	176201	175815	177035	1.01	cps
Lithium	6-1	2390553	2387761	2378714	2385676	0.26	cps
Magnesium	24-2	938780	942170	933017	937989	0.49	cps
Manganese	55-2	19246	18612	18675	18844	1.85	cps
Molybdenum	94-1	113206	113865	112484	113185	0.61	cps
Molybdenum	95-1	140153	139039	137300	138831	1.04	cps
Molybdenum	96-1	154523	153889	152724	153712	0.59	cps
Molybdenum	97-1	86008	86356	84858	85741	0.91	cps
Molybdenum	98-1	225694	224187	222344	224075	0.75	cps
Neodymium	150-1	10	10	20	13	43.30	cps
Neodymium	150-2	20	3	3	9	108.30	cps
Nickel	60-2	15253	15564	14930	15249	2.08	cps
Phosphorus	31-2	257	333	303	298	12.97	cps
Potassium	39-2	1211467	1211866	1234187	1219173	1.07	cps
Rhodium	103-1	21643845	21748624	21642686	21678385	0.28	cps
Rhodium	103-2	11463464	11165848	12479566	11702959	5.89	cps
Scandium	45-1	12133615	12012773	11725401	11957263	1.75	cps
Scandium	45-2	940284	907973	1016854	955037	5.86	cps
Selenium	82-1	5449	5231	5450	5377	2.35	cps
Selenium	77-2	453	403	500	452	10.69	cps
Selenium	78-2	2137	1967	1973	2026	4.75	cps
Silicon	28-1	1383307	1380353	1393113	1385591	0.48	cps
Silver	107-1	72299	72697	72379	72459	0.29	cps
Silver	109-1	70021	70259	69030	69770	0.93	cps
Sodium	23-2	1554541	1563290	1542610	1553480	0.67	cps
Strontium	86-1	17928	17607	17547	17694	1.16	cps
Strontium	88-1	150619	150914	148679	150071	0.81	cps
Sulfur	34-1	295425	297301	297176	296634	0.35	cps
Terbium	159-1	28911922	28566050	28823595	28767189	0.62	cps
Terbium	159-2	16671610	16196571	18040866	16969682	5.64	cps
Thallium	203-1	53682	53504	53327	53505	0.33	cps
Thallium	205-1	125603	125765	125274	125547	0.20	cps
Tin	118-1	5568	5805	5581	5651	2.35	cps
Titanium	47-1	32755	33003	32685	32815	0.51	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165208BS	Instrumnet Name :	P7
Client Sample ID :	LCS208	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:04:49	DataFile Name :	028LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	157080	159543	155724	157449	1.23	cps
Vanadium	51-2	93152	94332	93306	93597	0.69	cps
Yttrium	89-1	26396835	26369398	26396100	26387444	0.06	cps
Yttrium	89-2	6079309	5832448	6571010	6160922	6.10	cps
Zinc	66-2	24073	23949	24216	24079	0.56	cps
Zirconium	90-1	96071	95541	93519	95044	1.42	cps
Zirconium	91-1	21366	21102	20865	21111	1.19	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-01	Instrumnet Name :	P7
Client Sample ID :	MH2GQ2	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:08:02	DataFile Name :	029SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5696260	5650530	5686182	5677657	0.42	cps
Antimony	121-1	31017	32199	32163	31793	2.11	cps
Arsenic	75-2	25305	24497	24413	24738	1.99	cps
Barium	135-1	4544968	4532863	4526028	4534620	0.21	cps
Barium	137-1	7859608	7901045	7873205	7877953	0.27	cps
Beryllium	9-1	4306	3973	4201	4160	4.10	cps
Bismuth	209-1	17829557	17665600	17696006	17730388	0.49	cps
Bismuth	209-2	13107189	13064774	12989456	13053807	0.46	cps
Bromine	81-1	36248	37197	38694	37379	3.30	cps
Bromine	81-2	3821	3924	3894	3879	1.37	cps
Cadmium	108-1	4804	4824	4701	4776	1.39	cps
Cadmium	106-1	14991	14668	15001	14887	1.28	cps
Cadmium	111-1	74001	73556	72707	73421	0.90	cps
Calcium	43-1	9501311	9345037	9335878	9394075	0.99	cps
Calcium	44-1	153248751	151053654	152157418	152153274	0.72	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	164277	164182	165295	164585	0.37	cps
Cobalt	59-2	209972	209596	209545	209704	0.11	cps
Copper	63-2	1698731	1751131	1707094	1718985	1.64	cps
Dysprosium	156-1	266839	268131	268539	267837	0.33	cps
Dysprosium	156-2	206126	206086	206793	206335	0.19	cps
Erbium	164-1	239717	242114	242404	241412	0.61	cps
Erbium	164-2	157315	156024	155474	156271	0.60	cps
Gadolinium	160-1	260715	257124	258012	258617	0.72	cps
Gadolinium	160-2	176102	176743	177357	176734	0.36	cps
Holmium	165-1	29506570	29114996	28996177	29205914	0.91	cps
Holmium	165-2	19245776	19065363	18929578	19080239	0.83	cps
Indium	115-1	23125703	22988380	22821599	22978561	0.66	cps
Indium	115-2	7547731	7705677	7757738	7670382	1.43	cps
Iron	56-2	135679231	135079701	134126598	134961844	0.58	cps
Iron	57-2	3556645	3473320	3534686	3521550	1.23	cps
Iron	54-2	7298893	7362575	7276211	7312559	0.61	cps
Krypton	83-1	600	633	737	657	10.85	cps

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-01	Instrumnet Name :	P7
Client Sample ID :	MH2GQ2	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:08:02	DataFile Name :	029SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	16286526	16236268	16416331	16313041	0.57	cps
Lead	207-1	14130989	14198277	14059987	14129751	0.49	cps
Lead	208-1	64663315	64642182	64950960	64752152	0.27	cps
Lithium	6-1	2397371	2320642	2292093	2336702	2.33	cps
Magnesium	24-2	24097609	23758407	24127858	23994625	0.85	cps
Manganese	55-2	9552079	9606249	9502847	9553725	0.54	cps
Molybdenum	94-1	60588	60421	60708	60572	0.24	cps
Molybdenum	95-1	13229	13393	13410	13344	0.75	cps
Molybdenum	96-1	23359	24434	24497	24097	2.66	cps
Molybdenum	97-1	8136	7952	8092	8060	1.19	cps
Molybdenum	98-1	21052	21790	21162	21335	1.87	cps
Neodymium	150-1	430965	433154	428213	430777	0.57	cps
Neodymium	150-2	239533	241670	238355	239853	0.70	cps
Nickel	60-2	139630	139909	140526	140022	0.33	cps
Phosphorus	31-2	111807	110230	108383	110140	1.56	cps
Potassium	39-2	4969946	4817052	4890678	4892559	1.56	cps
Rhodium	103-1	21482186	21190710	20903779	21192225	1.36	cps
Rhodium	103-2	12255674	12380945	12324240	12320286	0.51	cps
Scandium	45-1	12390226	12057155	11953689	12133690	1.88	cps
Scandium	45-2	1032871	1030697	1030085	1031218	0.14	cps
Selenium	82-1	1632	1457	1280	1456	12.11	cps
Selenium	77-2	807	727	797	777	5.61	cps
Selenium	78-2	1170	1017	1137	1108	7.28	cps
Silicon	28-1	110163948	107965998	107590145	108573364	1.28	cps
Silver	107-1	87947	88336	88330	88204	0.25	cps
Silver	109-1	84581	84803	84028	84471	0.47	cps
Sodium	23-2	633961	630292	631414	631889	0.30	cps
Strontium	86-1	3469003	3489351	3442297	3466884	0.68	cps
Strontium	88-1	29776935	30014348	29968167	29919817	0.42	cps
Sulfur	34-1	348197	347211	345255	346888	0.43	cps
Terbium	159-1	30363157	29590994	29596025	29850058	1.49	cps
Terbium	159-2	18649898	18460532	18490613	18533681	0.55	cps
Thallium	203-1	12659	13917	14658	13745	7.35	cps
Thallium	205-1	30661	33321	34604	32862	6.12	cps
Tin	118-1	249007	251584	248749	249780	0.63	cps
Titanium	47-1	399028	399862	397755	398882	0.27	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-01	Instrumnet Name :	P7
Client Sample ID :	MH2GQ2	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:08:02	DataFile Name :	029SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	353228	355649	352622	353833	0.45	cps
Vanadium	51-2	407694	401796	404157	404549	0.73	cps
Yttrium	89-1	30442990	29822568	29902122	30055893	1.12	cps
Yttrium	89-2	7569018	7483531	7477010	7509853	0.68	cps
Zinc	66-2	1641777	1646627	1676888	1655098	1.15	cps
Zirconium	90-1	144499	144859	145940	145100	0.52	cps
Zirconium	91-1	32650	31928	32720	32432	1.35	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-02	Instrumnet Name :	P7
Client Sample ID :	MH2GQ2D	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:11:04	DataFile Name :	030SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5503687	5438008	5468376	5470024	0.60	cps
Antimony	121-1	31244	31394	31568	31402	0.52	cps
Arsenic	75-2	24657	24590	24487	24578	0.35	cps
Barium	135-1	4390198	4312592	4285636	4329476	1.25	cps
Barium	137-1	7585904	7417923	7492342	7498723	1.12	cps
Beryllium	9-1	3756	3973	3717	3815	3.61	cps
Bismuth	209-1	17860504	17187694	17224510	17424236	2.17	cps
Bismuth	209-2	12693197	12560271	12515088	12589518	0.74	cps
Bromine	81-1	33782	34711	34520	34338	1.43	cps
Bromine	81-2	3924	3811	3624	3786	4.00	cps
Cadmium	108-1	4557	4541	4601	4566	0.68	cps
Cadmium	106-1	14694	14531	13823	14349	3.23	cps
Cadmium	111-1	71699	71683	71397	71593	0.24	cps
Calcium	43-1	9018467	8909890	8874013	8934123	0.84	cps
Calcium	44-1	147852094	144445628	143169795	145155839	1.67	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	159681	159816	159295	159597	0.17	cps
Cobalt	59-2	201254	201028	200984	201089	0.07	cps
Copper	63-2	1677886	1649797	1695204	1674296	1.37	cps
Dysprosium	156-1	258832	258084	256926	257947	0.37	cps
Dysprosium	156-2	198141	196538	199034	197904	0.64	cps
Erbium	164-1	235113	232379	232963	233485	0.62	cps
Erbium	164-2	150777	150181	149767	150242	0.34	cps
Gadolinium	160-1	252366	246945	252840	250717	1.31	cps
Gadolinium	160-2	171111	171604	170271	170995	0.39	cps
Holmium	165-1	29721199	28327065	28514416	28854227	2.62	cps
Holmium	165-2	18734011	18650896	18295561	18560156	1.25	cps
Indium	115-1	23136539	22205411	22470804	22604251	2.12	cps
Indium	115-2	7562348	7554266	7476071	7530895	0.63	cps
Iron	56-2	130632545	131266841	129126435	130341940	0.84	cps
Iron	57-2	3404378	3413103	3385256	3400912	0.42	cps
Iron	54-2	7078867	7081910	7045505	7068761	0.29	cps
Krypton	83-1	707	693	603	668	8.42	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-02	Instrumnet Name :	P7
Client Sample ID :	MH2GQ2D	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:11:04	DataFile Name :	030SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	16081835	15824817	15814581	15907078	0.95	cps
Lead	207-1	13818352	13651728	13757025	13742368	0.61	cps
Lead	208-1	63504152	62635910	63272500	63137521	0.71	cps
Lithium	6-1	2254659	2145159	2143200	2181006	2.92	cps
Magnesium	24-2	23648924	23207832	22750075	23202277	1.94	cps
Manganese	55-2	9370116	9292793	9131894	9264934	1.31	cps
Molybdenum	94-1	58918	58817	58737	58824	0.15	cps
Molybdenum	95-1	13336	13073	13887	13432	3.09	cps
Molybdenum	96-1	23379	23432	23522	23444	0.31	cps
Molybdenum	97-1	8006	8102	7822	7977	1.78	cps
Molybdenum	98-1	21589	20815	21266	21223	1.83	cps
Neodymium	150-1	417795	415284	415386	416155	0.34	cps
Neodymium	150-2	233445	233682	231364	232830	0.55	cps
Nickel	60-2	136780	137808	138851	137813	0.75	cps
Phosphorus	31-2	108944	107182	107303	107810	0.91	cps
Potassium	39-2	4730186	4715339	4697239	4714255	0.35	cps
Rhodium	103-1	21165586	20243245	20496999	20635277	2.31	cps
Rhodium	103-2	12202091	12053924	12058029	12104681	0.70	cps
Scandium	45-1	12157299	11613276	11593278	11787951	2.71	cps
Scandium	45-2	1020397	1015392	1020393	1018727	0.28	cps
Selenium	82-1	1295	1393	1444	1377	5.50	cps
Selenium	77-2	757	767	727	750	2.78	cps
Selenium	78-2	1050	1080	1113	1081	2.93	cps
Silicon	28-1	101091045	98597132	99850405	99846194	1.25	cps
Silver	107-1	85466	84434	85932	85277	0.90	cps
Silver	109-1	82020	81477	81862	81787	0.34	cps
Sodium	23-2	641701	637628	632647	637325	0.71	cps
Strontium	86-1	3354312	3287263	3363085	3334887	1.24	cps
Strontium	88-1	29164850	29175815	28531019	28957228	1.27	cps
Sulfur	34-1	333310	335336	331521	333389	0.57	cps
Terbium	159-1	30339895	28917143	28763621	29340220	2.96	cps
Terbium	159-2	18334670	18108107	17997228	18146668	0.95	cps
Thallium	203-1	12533	13133	14084	13250	5.90	cps
Thallium	205-1	29639	32084	33618	31781	6.32	cps
Tin	118-1	250602	249019	249447	249689	0.33	cps
Titanium	47-1	377213	377791	373559	376188	0.61	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-02	Instrumnet Name :	P7
Client Sample ID :	MH2GQ2D	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:11:04	DataFile Name :	030SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	344635	339591	338828	341018	0.93	cps
Vanadium	51-2	393867	388381	389430	390559	0.75	cps
Yttrium	89-1	30343858	29390713	28837096	29523889	2.58	cps
Yttrium	89-2	7387447	7256786	7216537	7286923	1.23	cps
Zinc	66-2	1672948	1654570	1608337	1645285	2.02	cps
Zirconium	90-1	141473	140686	141766	141308	0.40	cps
Zirconium	91-1	31444	31327	31561	31444	0.37	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-01LX5	Instrumnet Name :	P7
Client Sample ID :	MH2GQ2L	Dilution Factor :	5
Date & Time Acquired :	2024-11-27 18:14:01	DataFile Name :	031SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1028164	1018048	1026266	1024159	0.53	cps
Antimony	121-1	6502	6552	6371	6475	1.44	cps
Arsenic	75-2	4654	4671	4901	4742	2.91	cps
Barium	135-1	814188	819099	812068	815118	0.44	cps
Barium	137-1	1411768	1399963	1411567	1407766	0.48	cps
Beryllium	9-1	806	811	917	844	7.41	cps
Bismuth	209-1	17255333	17309798	17092313	17219148	0.66	cps
Bismuth	209-2	12779858	12886020	12872389	12846089	0.45	cps
Bromine	81-1	20201	20745	20711	20552	1.48	cps
Bromine	81-2	843	883	830	852	3.26	cps
Cadmium	108-1	997	917	850	921	7.97	cps
Cadmium	106-1	8643	8606	8239	8496	2.63	cps
Cadmium	111-1	18098	18365	18078	18180	0.88	cps
Calcium	43-1	1766152	1738142	1740587	1748293	0.89	cps
Calcium	44-1	28409567	28251885	28294950	28318800	0.29	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	32699	32552	32789	32680	0.37	cps
Cobalt	59-2	39318	39712	39880	39637	0.73	cps
Copper	63-2	336395	335050	335097	335514	0.23	cps
Dysprosium	156-1	48002	48788	49219	48669	1.27	cps
Dysprosium	156-2	37323	37741	38697	37920	1.86	cps
Erbium	164-1	44250	44470	43942	44221	0.60	cps
Erbium	164-2	29187	28670	28867	28908	0.90	cps
Gadolinium	160-1	47534	47534	46774	47281	0.93	cps
Gadolinium	160-2	33563	34085	33938	33862	0.79	cps
Holmium	165-1	28259219	27755404	27991994	28002205	0.90	cps
Holmium	165-2	18692853	18524603	18355038	18524165	0.91	cps
Indium	115-1	22718880	22673515	22581164	22657853	0.31	cps
Indium	115-2	7725474	7678621	7694848	7699648	0.31	cps
Iron	56-2	24500725	24453113	24384066	24445968	0.24	cps
Iron	57-2	661079	661806	665151	662679	0.33	cps
Iron	54-2	1334922	1385672	1350657	1357084	1.91	cps
Krypton	83-1	313	340	397	350	12.16	cps

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-01LX5	Instrumnet Name :	P7
Client Sample ID :	MH2GQ2L	Dilution Factor :	5
Date & Time Acquired :	2024-11-27 18:14:01	DataFile Name :	031SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3072960	3120545	3113129	3102211	0.83	cps
Lead	207-1	2675998	2716519	2701995	2698171	0.76	cps
Lead	208-1	12176607	12286166	12248498	12237090	0.45	cps
Lithium	6-1	2032900	2086146	2151404	2090150	2.84	cps
Magnesium	24-2	4637875	4527542	4566895	4577437	1.22	cps
Manganese	55-2	1800795	1787833	1804759	1797796	0.49	cps
Molybdenum	94-1	11334	11651	11468	11485	1.39	cps
Molybdenum	95-1	3307	3567	3470	3448	3.81	cps
Molybdenum	96-1	5451	5528	5421	5467	1.01	cps
Molybdenum	97-1	2137	2004	2140	2094	3.72	cps
Molybdenum	98-1	5501	5568	5451	5507	1.06	cps
Neodymium	150-1	78889	79462	78792	79048	0.46	cps
Neodymium	150-2	44654	44761	44343	44586	0.49	cps
Nickel	60-2	31141	31381	31538	31353	0.64	cps
Phosphorus	31-2	20778	21629	21292	21233	2.02	cps
Potassium	39-2	1013872	1013787	1010150	1012603	0.21	cps
Rhodium	103-1	21196061	21172832	21035806	21134900	0.41	cps
Rhodium	103-2	12469424	12386366	12443019	12432937	0.34	cps
Scandium	45-1	11540361	11472351	11469099	11493937	0.35	cps
Scandium	45-2	1018657	1018094	1016588	1017780	0.11	cps
Selenium	82-1	1044	987	844	958	10.73	cps
Selenium	77-2	130	130	150	137	8.45	cps
Selenium	78-2	673	583	520	592	13.01	cps
Silicon	28-1	19263660	19160763	19486931	19303785	0.86	cps
Silver	107-1	17407	17187	17134	17243	0.84	cps
Silver	109-1	16499	16212	15649	16120	2.69	cps
Sodium	23-2	181988	179381	180761	180710	0.72	cps
Strontium	86-1	636831	640317	640180	639110	0.31	cps
Strontium	88-1	5612496	5494668	5586863	5564676	1.11	cps
Sulfur	34-1	287828	289287	283403	286839	1.07	cps
Terbium	159-1	28929084	28305614	28467433	28567377	1.13	cps
Terbium	159-2	18015705	18003575	18253591	18090957	0.78	cps
Thallium	203-1	3817	3594	3360	3591	6.36	cps
Thallium	205-1	8820	8559	8813	8731	1.70	cps
Tin	118-1	51629	51689	51231	51516	0.48	cps
Titanium	47-1	70145	71056	70972	70724	0.71	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-01LX5	Instrumnet Name :	P7
Client Sample ID :	MH2GQ2L	Dilution Factor :	5
Date & Time Acquired :	2024-11-27 18:14:01	DataFile Name :	031SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	64807	64770	64385	64654	0.36	cps
Vanadium	51-2	74724	73558	74258	74180	0.79	cps
Yttrium	89-1	26759782	26600839	26553219	26637947	0.41	cps
Yttrium	89-2	6834858	6685140	6785153	6768384	1.13	cps
Zinc	66-2	325653	324905	324847	325135	0.14	cps
Zirconium	90-1	26347	26935	26851	26711	1.19	cps
Zirconium	91-1	6031	5991	5835	5952	1.75	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-03	Instrumnet Name :	P7
Client Sample ID :	MH2GQ2S	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:17:10	DataFile Name :	032SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5288686	5159030	5214713	5220810	1.25	cps
Antimony	121-1	543176	545495	551095	546589	0.74	cps
Arsenic	75-2	35175	35586	35235	35332	0.63	cps
Barium	135-1	6655847	6646653	6676851	6659784	0.23	cps
Barium	137-1	11481354	11471829	11543078	11498754	0.34	cps
Beryllium	9-1	25037	24247	24041	24442	2.15	cps
Bismuth	209-1	17817444	17745060	17691073	17751193	0.36	cps
Bismuth	209-2	12924855	12892409	12918591	12911952	0.13	cps
Bromine	81-1	33064	35523	35940	34842	4.46	cps
Bromine	81-2	3837	3614	3747	3733	3.01	cps
Cadmium	108-1	9253	9136	8699	9030	3.23	cps
Cadmium	106-1	20394	20678	20318	20463	0.93	cps
Cadmium	111-1	138667	139073	138147	138629	0.33	cps
Calcium	43-1	8989614	9098165	8969231	9019003	0.77	cps
Calcium	44-1	147714224	145330965	144402595	145815928	1.17	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	549983	546726	552628	549779	0.54	cps
Cobalt	59-2	1769474	1768954	1778573	1772334	0.31	cps
Copper	63-2	2199972	2200407	2222047	2207475	0.57	cps
Dysprosium	156-1	253894	256057	253782	254578	0.50	cps
Dysprosium	156-2	194876	197056	196275	196069	0.56	cps
Erbium	164-1	232731	234090	233417	233413	0.29	cps
Erbium	164-2	151994	152445	150528	151656	0.66	cps
Gadolinium	160-1	248096	250591	251326	250005	0.68	cps
Gadolinium	160-2	170693	170102	169893	170230	0.24	cps
Holmium	165-1	29131713	29083180	29390265	29201719	0.57	cps
Holmium	165-2	19098057	19141216	19125031	19121434	0.11	cps
Indium	115-1	22674157	22806164	22606087	22695469	0.45	cps
Indium	115-2	7760583	7663212	7741912	7721902	0.67	cps
Iron	56-2	120567088	119927422	120129208	120207906	0.27	cps
Iron	57-2	3175733	3110563	3101639	3129312	1.29	cps
Iron	54-2	6556331	6582437	6506159	6548309	0.59	cps
Krypton	83-1	643	720	693	686	5.68	cps

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-03	Instrumnet Name :	P7
Client Sample ID :	MH2GQ2S	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:17:10	DataFile Name :	032SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	16187387	16123718	16157265	16156123	0.20	cps
Lead	207-1	14062568	13870696	14013541	13982268	0.71	cps
Lead	208-1	64018839	63620524	64177615	63938993	0.45	cps
Lithium	6-1	2139672	2129207	2077401	2115427	1.58	cps
Magnesium	24-2	22728357	23041954	23009741	22926684	0.75	cps
Manganese	55-2	9878644	9944638	9812898	9878727	0.67	cps
Molybdenum	94-1	58433	59751	58084	58756	1.50	cps
Molybdenum	95-1	13363	13673	13323	13453	1.43	cps
Molybdenum	96-1	23512	23602	23522	23546	0.21	cps
Molybdenum	97-1	8069	8379	8212	8220	1.89	cps
Molybdenum	98-1	21553	22624	22140	22106	2.43	cps
Neodymium	150-1	405082	412706	408203	408663	0.94	cps
Neodymium	150-2	227242	225881	229648	227590	0.84	cps
Nickel	60-2	673255	675346	673243	673948	0.18	cps
Phosphorus	31-2	108098	106312	105215	106542	1.37	cps
Potassium	39-2	4486106	4378845	4463498	4442816	1.27	cps
Rhodium	103-1	20928220	20819476	21194921	20980872	0.92	cps
Rhodium	103-2	12520077	12225531	12445405	12397004	1.24	cps
Scandium	45-1	11725009	11609394	11632517	11655640	0.52	cps
Scandium	45-2	1038437	1029532	1029019	1032329	0.51	cps
Selenium	82-1	9514	9463	9252	9410	1.48	cps
Selenium	77-2	1483	1580	1407	1490	5.83	cps
Selenium	78-2	3877	3857	3524	3753	5.29	cps
Silicon	28-1	87426919	86174042	84796194	86132385	1.53	cps
Silver	107-1	416901	419854	414622	417126	0.63	cps
Silver	109-1	400292	401938	397953	400061	0.50	cps
Sodium	23-2	605474	603182	605600	604752	0.23	cps
Strontium	86-1	3337353	3315579	3361894	3338275	0.69	cps
Strontium	88-1	28675418	29116835	28996610	28929621	0.79	cps
Sulfur	34-1	326615	323064	324614	324765	0.55	cps
Terbium	159-1	29604062	29454260	29413363	29490562	0.34	cps
Terbium	159-2	18701460	18656320	18672562	18676781	0.12	cps
Thallium	203-1	255761	258853	261135	258583	1.04	cps
Thallium	205-1	611624	618256	613579	614486	0.55	cps
Tin	118-1	262426	265505	262919	263617	0.63	cps
Titanium	47-1	342770	343501	340522	342264	0.45	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-03	Instrumnet Name :	P7
Client Sample ID :	MH2GQ2S	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:17:10	DataFile Name :	032SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	342476	342291	339850	341539	0.43	cps
Vanadium	51-2	1228171	1216697	1225857	1223575	0.50	cps
Yttrium	89-1	29621158	29998337	29762186	29793894	0.64	cps
Yttrium	89-2	7462876	7420687	7471924	7451829	0.37	cps
Zinc	66-2	1819988	1794478	1788679	1801048	0.92	cps
Zirconium	90-1	138906	138597	140349	139284	0.67	cps
Zirconium	91-1	30782	31076	31384	31081	0.97	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-04	Instrumnet Name :	P7
Client Sample ID :	MH2GQ4	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:20:06	DataFile Name :	033SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4523328	4442559	4455387	4473758	0.97	cps
Antimony	121-1	20448	20334	19987	20257	1.18	cps
Arsenic	75-2	14841	14848	14684	14791	0.63	cps
Barium	135-1	3070342	3035740	2994984	3033688	1.24	cps
Barium	137-1	5199793	5199885	5231429	5210369	0.35	cps
Beryllium	9-1	3073	3217	3000	3097	3.56	cps
Bismuth	209-1	17361891	17383389	17265156	17336812	0.36	cps
Bismuth	209-2	12587659	12738942	12601499	12642700	0.66	cps
Bromine	81-1	27051	27382	27589	27341	0.99	cps
Bromine	81-2	2294	2260	2377	2310	2.60	cps
Cadmium	108-1	2980	2960	3137	3026	3.20	cps
Cadmium	106-1	12212	11842	11511	11855	2.96	cps
Cadmium	111-1	49065	48010	48368	48481	1.11	cps
Calcium	43-1	11702791	11621824	11623606	11649407	0.40	cps
Calcium	44-1	189774697	189542497	189542891	189620028	0.07	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	223045	221536	219625	221402	0.77	cps
Cobalt	59-2	154940	155032	153668	154547	0.49	cps
Copper	63-2	901547	908721	901076	903782	0.47	cps
Dysprosium	156-1	181227	181254	181453	181311	0.07	cps
Dysprosium	156-2	138332	137697	136536	137522	0.66	cps
Erbium	164-1	162712	165306	164149	164055	0.79	cps
Erbium	164-2	104208	104040	103486	103912	0.36	cps
Gadolinium	160-1	176538	176163	175144	175948	0.41	cps
Gadolinium	160-2	121017	119145	119377	119846	0.85	cps
Holmium	165-1	28691244	29006718	28996043	28898002	0.62	cps
Holmium	165-2	18565875	18970982	18619098	18718652	1.18	cps
Indium	115-1	22493808	22560256	22393359	22482474	0.37	cps
Indium	115-2	7591447	7595112	7701429	7629330	0.82	cps
Iron	56-2	110498902	110278175	110341035	110372704	0.10	cps
Iron	57-2	2958818	2990973	2985453	2978415	0.58	cps
Iron	54-2	6020940	5960970	5997999	5993303	0.50	cps
Krypton	83-1	547	583	573	568	3.34	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-04	Instrumnet Name :	P7
Client Sample ID :	MH2GQ4	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:20:06	DataFile Name :	033SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	11249207	11340304	11359229	11316247	0.52	cps
Lead	207-1	9690159	9804880	9813023	9769354	0.70	cps
Lead	208-1	44648464	44991209	44978672	44872782	0.43	cps
Lithium	6-1	2055768	2108559	2092488	2085605	1.30	cps
Magnesium	24-2	59595339	59509569	59292931	59465946	0.26	cps
Manganese	55-2	9157153	9114715	9009688	9093852	0.83	cps
Molybdenum	94-1	45290	45801	46076	45722	0.87	cps
Molybdenum	95-1	10524	10507	10474	10502	0.24	cps
Molybdenum	96-1	18819	19006	18966	18930	0.52	cps
Molybdenum	97-1	6268	6758	6495	6507	3.77	cps
Molybdenum	98-1	17187	16840	16970	16999	1.03	cps
Neodymium	150-1	289826	293418	290114	291119	0.69	cps
Neodymium	150-2	160994	160036	158354	159795	0.84	cps
Nickel	60-2	117682	118384	117320	117795	0.46	cps
Phosphorus	31-2	86053	86707	86764	86508	0.46	cps
Potassium	39-2	3803913	3767755	3798609	3790093	0.52	cps
Rhodium	103-1	20603778	20710170	20767385	20693777	0.40	cps
Rhodium	103-2	12100646	12236883	12176598	12171376	0.56	cps
Scandium	45-1	11630793	11588260	11663431	11627495	0.32	cps
Scandium	45-2	1029196	1028870	1026279	1028115	0.16	cps
Selenium	82-1	1536	1345	1465	1449	6.66	cps
Selenium	77-2	453	490	560	501	10.82	cps
Selenium	78-2	877	930	1013	940	7.33	cps
Silicon	28-1	92001432	90609155	91359305	91323298	0.76	cps
Silver	107-1	54385	54729	55081	54732	0.64	cps
Silver	109-1	52371	51826	52254	52150	0.55	cps
Sodium	23-2	627022	630441	632195	629886	0.42	cps
Strontium	86-1	2659190	2700725	2660465	2673460	0.88	cps
Strontium	88-1	23030364	23022697	22841730	22964930	0.46	cps
Sulfur	34-1	351842	351521	352011	351791	0.07	cps
Terbium	159-1	29456155	29550246	29466407	29490936	0.18	cps
Terbium	159-2	18441098	18183534	18438619	18354417	0.81	cps
Thallium	203-1	9043	9677	9727	9482	4.02	cps
Thallium	205-1	21334	22722	23450	22502	4.78	cps
Tin	118-1	213924	215543	214019	214496	0.42	cps
Titanium	47-1	414320	412232	414678	413743	0.32	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-04	Instrumnet Name :	P7
Client Sample ID :	MH2GQ4	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:20:06	DataFile Name :	033SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	182515	182597	182343	182485	0.07	cps
Vanadium	51-2	339052	332294	333638	334995	1.07	cps
Yttrium	89-1	28513095	28427378	28775735	28572069	0.64	cps
Yttrium	89-2	7230230	7217123	7171429	7206261	0.43	cps
Zinc	66-2	1939628	1945715	1911941	1932428	0.93	cps
Zirconium	90-1	108211	110418	109427	109352	1.01	cps
Zirconium	91-1	24470	24744	24223	24479	1.06	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-05	Instrumnet Name :	P7
Client Sample ID :	MH2GQ5	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:23:07	DataFile Name :	034SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5702864	5784627	5733450	5740314	0.72	cps
Antimony	121-1	33138	33299	33135	33190	0.28	cps
Arsenic	75-2	36903	37474	37337	37238	0.80	cps
Barium	135-1	3699187	3742320	3771690	3737732	0.98	cps
Barium	137-1	6485747	6415990	6386086	6429275	0.80	cps
Beryllium	9-1	3962	3812	4128	3967	3.99	cps
Bismuth	209-1	17817465	17809515	17846102	17824361	0.11	cps
Bismuth	209-2	13012516	13014680	12965959	12997718	0.21	cps
Bromine	81-1	34527	36225	36067	35606	2.63	cps
Bromine	81-2	3941	4354	3947	4081	5.80	cps
Cadmium	108-1	4634	4417	4204	4418	4.87	cps
Cadmium	106-1	14244	14534	14080	14286	1.61	cps
Cadmium	111-1	70587	71903	70964	71151	0.95	cps
Calcium	43-1	8804541	8829004	8642581	8758709	1.16	cps
Calcium	44-1	142478318	141723618	140787241	141663059	0.60	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	195598	196944	196148	196230	0.34	cps
Cobalt	59-2	181328	181551	181159	181346	0.11	cps
Copper	63-2	1435398	1444634	1436958	1438997	0.34	cps
Dysprosium	156-1	244100	245511	243855	244489	0.37	cps
Dysprosium	156-2	183289	184708	186994	184997	1.01	cps
Erbium	164-1	225452	224940	225079	225157	0.12	cps
Erbium	164-2	143775	144465	143815	144018	0.27	cps
Gadolinium	160-1	238997	241325	236709	239010	0.97	cps
Gadolinium	160-2	160956	162406	160933	161432	0.52	cps
Holmium	165-1	29514689	28998045	29267328	29260020	0.88	cps
Holmium	165-2	18722230	18929444	18901993	18851222	0.60	cps
Indium	115-1	22878210	22929501	22736982	22848231	0.44	cps
Indium	115-2	7649765	7656019	7655609	7653798	0.05	cps
Iron	56-2	135723358	138039408	137214205	136992324	0.86	cps
Iron	57-2	3538044	3583954	3550649	3557549	0.67	cps
Iron	54-2	7530176	7520075	7434106	7494786	0.70	cps
Krypton	83-1	497	653	637	596	14.45	cps

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-05	Instrumnet Name :	P7
Client Sample ID :	MH2GQ5	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:23:07	DataFile Name :	034SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	13984434	13976057	13757558	13906016	0.93	cps
Lead	207-1	11962488	12092761	12005597	12020282	0.55	cps
Lead	208-1	55209194	55302660	54818647	55110167	0.47	cps
Lithium	6-1	2144932	2117422	2143071	2135142	0.72	cps
Magnesium	24-2	13140076	13252719	12928301	13107032	1.26	cps
Manganese	55-2	8703181	8750820	8735822	8729941	0.28	cps
Molybdenum	94-1	50239	50560	50834	50545	0.59	cps
Molybdenum	95-1	12095	11855	11788	11913	1.36	cps
Molybdenum	96-1	20825	21229	20801	20952	1.15	cps
Molybdenum	97-1	7535	7649	7395	7526	1.69	cps
Molybdenum	98-1	18822	18922	18575	18773	0.95	cps
Neodymium	150-1	385265	390437	389608	388437	0.72	cps
Neodymium	150-2	214689	217208	214601	215499	0.69	cps
Nickel	60-2	148698	150103	148142	148981	0.68	cps
Phosphorus	31-2	85973	85326	86238	85845	0.55	cps
Potassium	39-2	3730571	3769928	3756660	3752386	0.53	cps
Rhodium	103-1	21080984	20777666	20822529	20893726	0.78	cps
Rhodium	103-2	12378541	12384752	12377576	12380290	0.03	cps
Scandium	45-1	11784484	11635137	11583201	11667608	0.90	cps
Scandium	45-2	1021245	1021528	1013817	1018863	0.43	cps
Selenium	82-1	1671	1323	1376	1457	12.88	cps
Selenium	77-2	733	700	620	684	8.51	cps
Selenium	78-2	1083	1020	1057	1053	3.02	cps
Silicon	28-1	93186159	90365149	91762949	91771419	1.54	cps
Silver	107-1	85298	85174	85218	85230	0.07	cps
Silver	109-1	81122	81598	81668	81463	0.37	cps
Sodium	23-2	747706	755708	752803	752072	0.54	cps
Strontium	86-1	3386436	3326214	3344331	3352327	0.92	cps
Strontium	88-1	28997165	29395740	29002362	29131755	0.78	cps
Sulfur	34-1	344536	343688	341350	343191	0.48	cps
Terbium	159-1	29665200	30076250	30034092	29925180	0.76	cps
Terbium	159-2	18630671	18766316	18414961	18603982	0.95	cps
Thallium	203-1	11535	12499	12596	12210	4.80	cps
Thallium	205-1	28817	28727	29833	29126	2.11	cps
Tin	118-1	318132	320780	318016	318976	0.49	cps
Titanium	47-1	418259	416241	413580	416027	0.56	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-05	Instrumnet Name :	P7
Client Sample ID :	MH2GQ5	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:23:07	DataFile Name :	034SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	261998	263523	263252	262924	0.31	cps
Vanadium	51-2	418876	419705	419782	419454	0.12	cps
Yttrium	89-1	29599737	29479153	29466518	29515136	0.25	cps
Yttrium	89-2	7419741	7344230	7384741	7382904	0.51	cps
Zinc	66-2	1394429	1396270	1390253	1393651	0.22	cps
Zirconium	90-1	119817	119208	118799	119275	0.43	cps
Zirconium	91-1	26965	26604	26688	26752	0.71	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-06	Instrumnet Name :	P7
Client Sample ID :	MH2GQ6	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:26:07	DataFile Name :	035SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5889050	5806878	5756968	5817632	1.15	cps
Antimony	121-1	20067	19664	19290	19674	1.98	cps
Arsenic	75-2	26550	25909	26313	26258	1.23	cps
Barium	135-1	3795532	3817863	3820571	3811322	0.36	cps
Barium	137-1	6692697	6578093	6573671	6614821	1.02	cps
Beryllium	9-1	3156	3106	3028	3097	2.08	cps
Bismuth	209-1	17860546	17816091	17822106	17832914	0.14	cps
Bismuth	209-2	12738046	12954346	12766434	12819609	0.92	cps
Bromine	81-1	42444	44346	46680	44490	4.77	cps
Bromine	81-2	5745	5831	5911	5829	1.43	cps
Cadmium	108-1	2240	2260	2217	2239	0.97	cps
Cadmium	106-1	11491	11264	11104	11287	1.72	cps
Cadmium	111-1	38561	37336	37919	37939	1.62	cps
Calcium	43-1	11894456	11892443	11996495	11927798	0.50	cps
Calcium	44-1	193263657	191923197	192485490	192557448	0.35	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	134792	136266	135479	135512	0.54	cps
Cobalt	59-2	193706	193194	193255	193385	0.14	cps
Copper	63-2	710151	711879	707127	709719	0.34	cps
Dysprosium	156-1	272491	269972	271101	271188	0.47	cps
Dysprosium	156-2	205940	204736	205125	205267	0.30	cps
Erbium	164-1	244069	244546	246232	244949	0.46	cps
Erbium	164-2	157345	157089	154801	156412	0.90	cps
Gadolinium	160-1	265423	260358	262071	262617	0.98	cps
Gadolinium	160-2	176681	176544	175872	176366	0.25	cps
Holmium	165-1	29384814	29273408	29146640	29268287	0.41	cps
Holmium	165-2	18850276	19042049	18709915	18867413	0.88	cps
Indium	115-1	22986867	22747207	22794145	22842740	0.56	cps
Indium	115-2	7653442	7631821	7568021	7617762	0.58	cps
Iron	56-2	133750931	133049665	132179448	132993348	0.59	cps
Iron	57-2	3582130	3536143	3484498	3534257	1.38	cps
Iron	54-2	7311489	7247519	7174116	7244375	0.95	cps
Krypton	83-1	650	663	740	684	7.10	cps

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-06	Instrumnet Name :	P7
Client Sample ID :	MH2GQ6	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:26:07	DataFile Name :	035SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	5349547	5386772	5343845	5360055	0.43	cps
Lead	207-1	4683997	4644309	4677973	4668760	0.46	cps
Lead	208-1	21280432	21262239	21298870	21280514	0.09	cps
Lithium	6-1	2098267	2005141	2083992	2062467	2.43	cps
Magnesium	24-2	8056672	8059920	7969168	8028587	0.64	cps
Manganese	55-2	5901891	5802822	5743933	5816215	1.37	cps
Molybdenum	94-1	45470	45788	45096	45451	0.76	cps
Molybdenum	95-1	14731	14424	14781	14645	1.32	cps
Molybdenum	96-1	22768	22284	22334	22462	1.19	cps
Molybdenum	97-1	9033	9456	9163	9217	2.35	cps
Molybdenum	98-1	23659	23516	23422	23532	0.51	cps
Neodymium	150-1	437078	439738	437677	438165	0.32	cps
Neodymium	150-2	238819	241605	238544	239656	0.71	cps
Nickel	60-2	205501	206250	204994	205582	0.31	cps
Phosphorus	31-2	83244	82722	82578	82848	0.42	cps
Potassium	39-2	3221342	3255301	3192135	3222926	0.98	cps
Rhodium	103-1	20940799	20921974	20753418	20872064	0.49	cps
Rhodium	103-2	12400999	12304326	12139263	12281529	1.08	cps
Scandium	45-1	11869171	11522591	11580511	11657424	1.59	cps
Scandium	45-2	1016440	1013913	1019831	1016728	0.29	cps
Selenium	82-1	1519	1474	1365	1453	5.45	cps
Selenium	77-2	750	793	823	789	4.67	cps
Selenium	78-2	1087	1147	1170	1134	3.79	cps
Silicon	28-1	90143229	89542319	89840365	89841971	0.33	cps
Silver	107-1	33525	33652	34214	33797	1.08	cps
Silver	109-1	32774	31939	32523	32412	1.32	cps
Sodium	23-2	723415	718593	718786	720265	0.38	cps
Strontium	86-1	3927447	3951234	3919076	3932586	0.42	cps
Strontium	88-1	34103877	33927320	33870958	33967385	0.36	cps
Sulfur	34-1	374285	370936	371106	372109	0.51	cps
Terbium	159-1	30097860	29502985	30093840	29898229	1.14	cps
Terbium	159-2	18418209	18498931	18508357	18475166	0.27	cps
Thallium	203-1	11725	11972	12219	11972	2.06	cps
Thallium	205-1	28821	28917	29632	29123	1.52	cps
Tin	118-1	102917	102038	101867	102274	0.55	cps
Titanium	47-1	308416	301449	299284	303050	1.57	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-06	Instrumnet Name :	P7
Client Sample ID :	MH2GQ6	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:26:07	DataFile Name :	035SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	319025	317843	316074	317647	0.47	cps
Vanadium	51-2	490118	481477	484183	485260	0.91	cps
Yttrium	89-1	29910126	29417593	29280610	29536110	1.12	cps
Yttrium	89-2	7443509	7416546	7251276	7370444	1.41	cps
Zinc	66-2	488939	488233	491356	489509	0.33	cps
Zirconium	90-1	100373	101427	100675	100825	0.54	cps
Zirconium	91-1	22551	22654	22257	22487	0.92	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-07	Instrumnet Name :	P7
Client Sample ID :	MH2GQ7	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:29:10	DataFile Name :	036SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6052656	6047400	6076256	6058771	0.25	cps
Antimony	121-1	13480	13393	13426	13433	0.33	cps
Arsenic	75-2	18198	18251	18041	18163	0.60	cps
Barium	135-1	4846751	4758864	4766861	4790825	1.01	cps
Barium	137-1	8369685	8365797	8178176	8304553	1.32	cps
Beryllium	9-1	3195	3106	3089	3130	1.81	cps
Bismuth	209-1	17740502	17819255	17508032	17689263	0.91	cps
Bismuth	209-2	12759858	12534172	12650283	12648104	0.89	cps
Bromine	81-1	44116	46222	47841	46059	4.06	cps
Bromine	81-2	6008	6271	6178	6152	2.17	cps
Cadmium	108-1	2010	1933	2064	2002	3.26	cps
Cadmium	106-1	11368	10918	10771	11019	2.82	cps
Cadmium	111-1	34734	33561	34563	34286	1.85	cps
Calcium	43-1	15640548	15520746	15629620	15596971	0.42	cps
Calcium	44-1	252066456	249831090	250804370	250900638	0.45	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	139801	138619	138058	138826	0.64	cps
Cobalt	59-2	207974	207238	207332	207515	0.19	cps
Copper	63-2	522540	523215	522076	522611	0.11	cps
Dysprosium	156-1	275487	276096	277110	276231	0.30	cps
Dysprosium	156-2	206265	206623	208559	207149	0.60	cps
Erbium	164-1	258244	257154	258903	258100	0.34	cps
Erbium	164-2	162898	162958	163434	163097	0.18	cps
Gadolinium	160-1	272979	272033	273923	272978	0.35	cps
Gadolinium	160-2	183517	185755	182480	183917	0.91	cps
Holmium	165-1	29683988	29068271	29279892	29344050	1.07	cps
Holmium	165-2	18763978	18781916	18812321	18786071	0.13	cps
Indium	115-1	22936813	22599159	22711684	22749219	0.76	cps
Indium	115-2	7554451	7545992	7505490	7535311	0.35	cps
Iron	56-2	135111065	135493085	132810965	134471705	1.08	cps
Iron	57-2	3682935	3642300	3678258	3667831	0.61	cps
Iron	54-2	7460486	7324938	7360399	7381941	0.95	cps
Krypton	83-1	647	660	730	679	6.59	cps

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-07	Instrumnet Name :	P7
Client Sample ID :	MH2GQ7	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:29:10	DataFile Name :	036SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2811594	2843975	2804766	2820112	0.74	cps
Lead	207-1	2394673	2445819	2389358	2409950	1.29	cps
Lead	208-1	11042528	11189788	11040161	11090826	0.77	cps
Lithium	6-1	2134142	2099544	2105095	2112927	0.88	cps
Magnesium	24-2	8947996	8977555	8904787	8943446	0.41	cps
Manganese	55-2	5104036	5096344	5033801	5078060	0.76	cps
Molybdenum	94-1	45915	46253	45587	45918	0.72	cps
Molybdenum	95-1	20978	20748	21022	20916	0.70	cps
Molybdenum	96-1	28705	28905	28812	28807	0.35	cps
Molybdenum	97-1	12976	12959	13393	13109	1.87	cps
Molybdenum	98-1	34521	33792	33889	34067	1.16	cps
Neodymium	150-1	445058	444199	439334	442864	0.70	cps
Neodymium	150-2	244088	242837	242639	243188	0.32	cps
Nickel	60-2	225595	224619	223512	224576	0.46	cps
Phosphorus	31-2	79930	79522	79699	79717	0.26	cps
Potassium	39-2	3144383	3147392	3161348	3151041	0.29	cps
Rhodium	103-1	20946238	20791193	20581916	20773116	0.88	cps
Rhodium	103-2	11971479	12111963	12143666	12075703	0.76	cps
Scandium	45-1	11619764	11474817	11723552	11606044	1.08	cps
Scandium	45-2	1014557	1013149	1003930	1010545	0.57	cps
Selenium	82-1	1463	1450	1384	1432	2.98	cps
Selenium	77-2	757	763	787	769	2.05	cps
Selenium	78-2	1013	1033	980	1009	2.67	cps
Silicon	28-1	83769925	84788624	83857027	84138525	0.67	cps
Silver	107-1	21526	21075	20428	21010	2.63	cps
Silver	109-1	20398	19487	19944	19943	2.28	cps
Sodium	23-2	838384	834697	836121	836401	0.22	cps
Strontium	86-1	4754136	4750714	4875721	4793523	1.49	cps
Strontium	88-1	41781524	41226540	41444544	41484203	0.67	cps
Sulfur	34-1	377870	379848	381190	379636	0.44	cps
Terbium	159-1	29355472	29437303	29356636	29383137	0.16	cps
Terbium	159-2	18614992	18274001	18199363	18362785	1.21	cps
Thallium	203-1	12169	12739	12719	12543	2.58	cps
Thallium	205-1	29619	29993	30097	29903	0.84	cps
Tin	118-1	51538	50916	51361	51272	0.63	cps
Titanium	47-1	248952	243430	244846	245743	1.17	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-07	Instrumnet Name :	P7
Client Sample ID :	MH2GQ7	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:29:10	DataFile Name :	036SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	410008	403822	407980	407270	0.77	cps
Vanadium	51-2	587135	580735	585765	584545	0.58	cps
Yttrium	89-1	29544227	29540282	29743650	29609386	0.39	cps
Yttrium	89-2	7359065	7408428	7320119	7362537	0.60	cps
Zinc	66-2	265644	267577	264778	266000	0.54	cps
Zirconium	90-1	94847	92660	93102	93536	1.24	cps
Zirconium	91-1	21149	21058	20595	20934	1.42	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-08	Instrumnet Name :	P7
Client Sample ID :	MH2GQ8	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:32:13	DataFile Name :	037SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3187238	3200107	3111672	3166339	1.51	cps
Antimony	121-1	14371	13863	13980	14071	1.89	cps
Arsenic	75-2	9993	10294	10474	10254	2.37	cps
Barium	135-1	2273662	2258525	2270275	2267487	0.35	cps
Barium	137-1	3936833	3959182	3980500	3958838	0.55	cps
Beryllium	9-1	2456	2328	2245	2343	4.54	cps
Bismuth	209-1	16279729	16363351	16222559	16288546	0.43	cps
Bismuth	209-2	11794535	11704065	11687436	11728679	0.49	cps
Bromine	81-1	26367	26828	27249	26814	1.64	cps
Bromine	81-2	2344	2194	2284	2274	3.32	cps
Cadmium	108-1	1853	1790	1837	1827	1.80	cps
Cadmium	106-1	11001	10731	10474	10735	2.46	cps
Cadmium	111-1	32577	32589	32514	32560	0.12	cps
Calcium	43-1	31307463	30963886	30775953	31015767	0.87	cps
Calcium	44-1	501140113	502772286	500602246	501504881	0.23	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	175474	175556	177194	176075	0.55	cps
Cobalt	59-2	219302	218081	215214	217532	0.96	cps
Copper	63-2	580884	576536	580390	579270	0.41	cps
Dysprosium	156-1	140585	140023	140165	140258	0.21	cps
Dysprosium	156-2	106725	106587	105579	106297	0.59	cps
Erbium	164-1	126964	127136	127398	127166	0.17	cps
Erbium	164-2	80768	81436	80309	80838	0.70	cps
Gadolinium	160-1	137538	138288	137103	137643	0.44	cps
Gadolinium	160-2	94580	93067	93070	93572	0.93	cps
Holmium	165-1	28793099	28535347	28295496	28541314	0.87	cps
Holmium	165-2	18389008	18383804	18287383	18353399	0.31	cps
Indium	115-1	22145435	21919097	21863038	21975857	0.68	cps
Indium	115-2	7401367	7339304	7310909	7350527	0.63	cps
Iron	56-2	86595569	85587632	86899922	86361041	0.80	cps
Iron	57-2	2787491	2778459	2771053	2779001	0.30	cps
Iron	54-2	4748434	4650295	4658799	4685842	1.16	cps
Krypton	83-1	570	593	653	606	7.10	cps

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-08	Instrumnet Name :	P7
Client Sample ID :	MH2GQ8	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:32:13	DataFile Name :	037SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	6792518	6799620	6812738	6801625	0.15	cps
Lead	207-1	5820245	5870805	5796970	5829340	0.65	cps
Lead	208-1	26702456	26940996	26825090	26822848	0.44	cps
Lithium	6-1	1958335	2067964	1984947	2003749	2.85	cps
Magnesium	24-2	226104890	225385397	224424969	225305085	0.37	cps
Manganese	55-2	16493916	16163296	16485899	16381037	1.15	cps
Molybdenum	94-1	34898	35075	34688	34887	0.56	cps
Molybdenum	95-1	10147	10037	10004	10062	0.75	cps
Molybdenum	96-1	15805	16159	15799	15921	1.29	cps
Molybdenum	97-1	6198	5841	5961	6000	3.03	cps
Molybdenum	98-1	15445	15648	15682	15592	0.82	cps
Neodymium	150-1	224620	223078	225052	224250	0.46	cps
Neodymium	150-2	125250	123595	123844	124230	0.72	cps
Nickel	60-2	118298	117548	116510	117452	0.76	cps
Phosphorus	31-2	116348	114340	114971	115220	0.89	cps
Potassium	39-2	3075156	3046664	3050970	3057597	0.50	cps
Rhodium	103-1	19938523	19908908	19859799	19902410	0.20	cps
Rhodium	103-2	11647090	11604351	11678829	11643423	0.32	cps
Scandium	45-1	11728554	11497632	11428305	11551497	1.36	cps
Scandium	45-2	1036950	1033334	1034496	1034927	0.18	cps
Selenium	82-1	1412	1185	1326	1307	8.77	cps
Selenium	77-2	477	483	437	466	5.42	cps
Selenium	78-2	930	930	760	873	11.24	cps
Silicon	28-1	75114941	74861807	74640651	74872466	0.32	cps
Silver	107-1	30088	29737	30509	30111	1.28	cps
Silver	109-1	28334	29079	28608	28674	1.31	cps
Sodium	23-2	706913	694294	708090	703099	1.09	cps
Strontium	86-1	2111838	2085137	2092916	2096630	0.66	cps
Strontium	88-1	18225702	17995146	18095611	18105486	0.64	cps
Sulfur	34-1	341850	347552	350365	346589	1.25	cps
Terbium	159-1	29376690	28712060	28610213	28899654	1.44	cps
Terbium	159-2	18125720	17939414	17942700	18002611	0.59	cps
Thallium	203-1	6792	7019	6989	6933	1.78	cps
Thallium	205-1	15986	16977	17395	16786	4.31	cps
Tin	118-1	133738	134790	134491	134339	0.40	cps
Titanium	47-1	309414	311086	307770	309423	0.54	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-08	Instrumnet Name :	P7
Client Sample ID :	MH2GQ8	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:32:13	DataFile Name :	037SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	207497	206713	206146	206785	0.33	cps
Vanadium	51-2	314192	309173	310304	311223	0.85	cps
Yttrium	89-1	28050966	27843260	28072972	27989066	0.45	cps
Yttrium	89-2	6947896	6989972	7009697	6982521	0.45	cps
Zinc	66-2	901822	893716	896605	897381	0.46	cps
Zirconium	90-1	81213	82367	81042	81540	0.88	cps
Zirconium	91-1	18405	18048	18101	18185	1.06	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-09	Instrumnet Name :	P7
Client Sample ID :	MH2GQ9	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:35:16	DataFile Name :	038SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5653295	5517809	5574201	5581769	1.22	cps
Antimony	121-1	34298	33436	33760	33831	1.29	cps
Arsenic	75-2	24610	24737	24904	24751	0.60	cps
Barium	135-1	4019967	3977478	3977128	3991524	0.62	cps
Barium	137-1	6939942	6850452	6852902	6881099	0.74	cps
Beryllium	9-1	3912	3884	3573	3789	4.97	cps
Bismuth	209-1	15963283	17303034	17499458	16921925	4.94	cps
Bismuth	209-2	12908269	12968165	12506451	12794295	1.96	cps
Bromine	81-1	32045	33030	33131	32735	1.83	cps
Bromine	81-2	3717	3417	3677	3604	4.52	cps
Cadmium	108-1	4417	4574	4561	4517	1.92	cps
Cadmium	106-1	13560	14180	14190	13977	2.58	cps
Cadmium	111-1	66269	67736	67323	67109	1.13	cps
Calcium	43-1	8218483	8135004	8175284	8176257	0.51	cps
Calcium	44-1	133559848	132968758	132379525	132969377	0.44	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	169157	168722	166130	168003	0.97	cps
Cobalt	59-2	201372	197728	197856	198985	1.04	cps
Copper	63-2	1581989	1600110	1579053	1587051	0.72	cps
Dysprosium	156-1	255797	254501	252272	254190	0.70	cps
Dysprosium	156-2	190095	191916	189572	190528	0.65	cps
Erbium	164-1	225600	225033	222674	224436	0.69	cps
Erbium	164-2	144047	142031	142236	142771	0.78	cps
Gadolinium	160-1	244543	242443	241960	242982	0.57	cps
Gadolinium	160-2	161611	162292	160533	161479	0.55	cps
Holmium	165-1	26083140	28502082	28840070	27808431	5.41	cps
Holmium	165-2	18949785	18865412	18060248	18625148	2.64	cps
Indium	115-1	20277540	21839296	22169880	21428906	4.72	cps
Indium	115-2	7577178	7437233	7250479	7421630	2.21	cps
Iron	56-2	153431284	150852011	153016788	152433361	0.91	cps
Iron	57-2	4009841	3960726	3895419	3955329	1.45	cps
Iron	54-2	8319883	8270015	8232439	8274112	0.53	cps
Krypton	83-1	670	650	707	676	4.25	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-09	Instrumnet Name :	P7
Client Sample ID :	MH2GQ9	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:35:16	DataFile Name :	038SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	15543901	15114361	15079623	15245962	1.70	cps
Lead	207-1	13315270	13093973	12944055	13117766	1.42	cps
Lead	208-1	60916892	60133242	59549210	60199781	1.14	cps
Lithium	6-1	2037889	2095669	2158049	2097202	2.87	cps
Magnesium	24-2	21773413	21926957	21720414	21806928	0.49	cps
Manganese	55-2	8668637	8609282	8675106	8651008	0.42	cps
Molybdenum	94-1	60561	58503	59872	59645	1.76	cps
Molybdenum	95-1	16469	15702	15622	15931	2.94	cps
Molybdenum	96-1	27079	26728	25906	26571	2.26	cps
Molybdenum	97-1	10047	10074	9883	10001	1.03	cps
Molybdenum	98-1	26190	25482	25492	25722	1.58	cps
Neodymium	150-1	412059	406258	403128	407148	1.11	cps
Neodymium	150-2	225085	223711	222539	223778	0.57	cps
Nickel	60-2	137812	136230	135869	136637	0.76	cps
Phosphorus	31-2	97897	97008	97665	97524	0.47	cps
Potassium	39-2	4676130	4655520	4630929	4654193	0.49	cps
Rhodium	103-1	18631088	20098674	20616427	19782063	5.21	cps
Rhodium	103-2	12398139	12105874	11688970	12064328	2.95	cps
Scandium	45-1	10398668	11258329	11478545	11045181	5.17	cps
Scandium	45-2	1015120	1007664	979484	1000756	1.88	cps
Selenium	82-1	1288	1393	1185	1289	8.09	cps
Selenium	77-2	740	643	780	721	9.74	cps
Selenium	78-2	1073	960	1023	1019	5.57	cps
Silicon	28-1	85592002	84086374	83697359	84458578	1.18	cps
Silver	107-1	76694	76399	76591	76561	0.20	cps
Silver	109-1	75854	73991	73552	74465	1.64	cps
Sodium	23-2	618393	616470	608223	614362	0.88	cps
Strontium	86-1	3052983	3043740	3026126	3040950	0.45	cps
Strontium	88-1	26459040	26561383	26331315	26450579	0.44	cps
Sulfur	34-1	366136	360876	360125	362379	0.90	cps
Terbium	159-1	26381816	28985115	29350480	28239137	5.73	cps
Terbium	159-2	18465828	18409233	17735721	18203594	2.23	cps
Thallium	203-1	12282	12439	11872	12198	2.40	cps
Thallium	205-1	29612	29495	29799	29636	0.52	cps
Tin	118-1	293720	292560	290287	292189	0.60	cps
Titanium	47-1	429669	421266	418507	423147	1.37	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-09	Instrumnet Name :	P7
Client Sample ID :	MH2GQ9	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:35:16	DataFile Name :	038SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	342919	337467	336923	339103	0.98	cps
Vanadium	51-2	401685	396491	394524	397567	0.93	cps
Yttrium	89-1	26357335	28573622	28731052	27887337	4.76	cps
Yttrium	89-2	7301764	7236295	7016625	7184895	2.08	cps
Zinc	66-2	1594961	1579612	1585856	1586810	0.49	cps
Zirconium	90-1	139832	139044	136171	138349	1.39	cps
Zirconium	91-1	31006	31223	30482	30904	1.23	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-10	Instrumnet Name :	P7
Client Sample ID :	MH2GR0	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:38:16	DataFile Name :	039SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5587887	5534355	5583843	5568695	0.54	cps
Antimony	121-1	39955	40066	39481	39834	0.78	cps
Arsenic	75-2	38019	37026	36712	37252	1.83	cps
Barium	135-1	4026747	4024223	4052984	4034651	0.39	cps
Barium	137-1	6937326	6912949	6990242	6946839	0.57	cps
Beryllium	9-1	3628	3350	3456	3478	4.03	cps
Bismuth	209-1	17780753	17810160	17585807	17725573	0.69	cps
Bismuth	209-2	12930225	12755154	12791013	12825464	0.72	cps
Bromine	81-1	33662	35469	34791	34641	2.64	cps
Bromine	81-2	4194	3917	4247	4119	4.30	cps
Cadmium	108-1	4331	4214	4301	4282	1.42	cps
Cadmium	106-1	14334	14064	14117	14171	1.01	cps
Cadmium	111-1	71401	70316	69660	70459	1.25	cps
Calcium	43-1	6972748	6983231	6992984	6982988	0.14	cps
Calcium	44-1	113101052	113365162	113135658	113200624	0.13	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	134456	136757	134557	135257	0.96	cps
Cobalt	59-2	181322	182374	180940	181545	0.41	cps
Copper	63-2	1513453	1510588	1508928	1510990	0.15	cps
Dysprosium	156-1	241499	238849	236304	238884	1.09	cps
Dysprosium	156-2	180656	178985	182020	180553	0.84	cps
Erbium	164-1	220368	220389	216010	218922	1.15	cps
Erbium	164-2	138192	138337	138458	138329	0.10	cps
Gadolinium	160-1	230198	233336	230767	231434	0.72	cps
Gadolinium	160-2	157319	155799	152966	155361	1.42	cps
Holmium	165-1	29342094	28968650	28468093	28926279	1.52	cps
Holmium	165-2	18812626	18509944	18426963	18583178	1.09	cps
Indium	115-1	22727312	22440826	22448062	22538733	0.72	cps
Indium	115-2	7546996	7499644	7543318	7529986	0.35	cps
Iron	56-2	130749131	130241161	129737678	130242657	0.39	cps
Iron	57-2	3405375	3337476	3322540	3355130	1.32	cps
Iron	54-2	7076388	6994968	7003441	7024932	0.64	cps
Krypton	83-1	547	600	540	562	5.85	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-10	Instrumnet Name :	P7
Client Sample ID :	MH2GR0	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:38:16	DataFile Name :	039SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	18236953	18403460	18244410	18294941	0.51	cps
Lead	207-1	15440766	15564806	15352995	15452856	0.69	cps
Lead	208-1	71497587	71600989	71227286	71441954	0.27	cps
Lithium	6-1	2104727	2091016	2085345	2093696	0.48	cps
Magnesium	24-2	7263627	7304719	7411385	7326577	1.04	cps
Manganese	55-2	7296647	7318887	7202872	7272802	0.85	cps
Molybdenum	94-1	48537	49062	47704	48434	1.41	cps
Molybdenum	95-1	17798	18225	18125	18049	1.24	cps
Molybdenum	96-1	26310	26504	26818	26544	0.96	cps
Molybdenum	97-1	11121	11084	11034	11080	0.39	cps
Molybdenum	98-1	29106	29106	28722	28978	0.77	cps
Neodymium	150-1	380504	383020	381913	381812	0.33	cps
Neodymium	150-2	209888	209791	210749	210142	0.25	cps
Nickel	60-2	117584	117148	116522	117085	0.46	cps
Phosphorus	31-2	88457	87937	88336	88243	0.31	cps
Potassium	39-2	4009999	3978241	3954175	3980805	0.70	cps
Rhodium	103-1	21103248	20867426	20680853	20883842	1.01	cps
Rhodium	103-2	12252445	12025746	12093821	12124004	0.96	cps
Scandium	45-1	11324727	11339049	11394279	11352685	0.32	cps
Scandium	45-2	994187	994012	992802	993667	0.08	cps
Selenium	82-1	1387	1267	1266	1307	5.31	cps
Selenium	77-2	633	667	690	663	4.29	cps
Selenium	78-2	993	1097	1067	1052	5.05	cps
Silicon	28-1	87360132	86606135	84865187	86277151	1.48	cps
Silver	107-1	96273	97635	96867	96925	0.70	cps
Silver	109-1	90989	93257	92274	92174	1.23	cps
Sodium	23-2	946355	939283	936821	940820	0.53	cps
Strontium	86-1	3441475	3424197	3410945	3425539	0.45	cps
Strontium	88-1	29768494	29861512	29708844	29779617	0.26	cps
Sulfur	34-1	336342	332976	327348	332222	1.37	cps
Terbium	159-1	30002265	29665237	28979089	29548864	1.76	cps
Terbium	159-2	18184604	18001058	18003650	18063104	0.58	cps
Thallium	203-1	11155	11652	11712	11506	2.66	cps
Thallium	205-1	27782	27895	28159	27945	0.69	cps
Tin	118-1	254805	256748	254169	255241	0.53	cps
Titanium	47-1	407989	406072	402617	405559	0.67	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-10	Instrumnet Name :	P7
Client Sample ID :	MH2GR0	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:38:16	DataFile Name :	039SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	369101	370722	367154	368992	0.48	cps
Vanadium	51-2	391720	392274	389529	391174	0.37	cps
Yttrium	89-1	29228735	29023332	28943255	29065107	0.51	cps
Yttrium	89-2	7269763	7058587	7172097	7166816	1.47	cps
Zinc	66-2	1007434	1002049	998806	1002763	0.43	cps
Zirconium	90-1	103622	104471	102927	103674	0.75	cps
Zirconium	91-1	23172	23329	23312	23271	0.37	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-11	Instrumnet Name :	P7
Client Sample ID :	MH2GR1	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:41:17	DataFile Name :	040SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5411848	5282871	5390290	5361670	1.29	cps
Antimony	121-1	42536	42683	43228	42816	0.85	cps
Arsenic	75-2	38396	38229	38961	38529	1.00	cps
Barium	135-1	3743831	3725922	3693107	3720953	0.69	cps
Barium	137-1	6480275	6408325	6476000	6454867	0.63	cps
Beryllium	9-1	3111	3039	2950	3034	2.66	cps
Bismuth	209-1	18125088	17759212	17545515	17809938	1.65	cps
Bismuth	209-2	12762459	12785810	12481331	12676533	1.34	cps
Bromine	81-1	35877	38103	38640	37540	3.90	cps
Bromine	81-2	4781	4824	4774	4793	0.57	cps
Cadmium	108-1	4417	4361	4371	4383	0.69	cps
Cadmium	106-1	14371	14004	13937	14104	1.66	cps
Cadmium	111-1	69836	69847	69589	69757	0.21	cps
Calcium	43-1	8305245	8352550	8369124	8342307	0.40	cps
Calcium	44-1	134471608	134822228	135482335	134925390	0.38	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	163027	162175	162805	162669	0.27	cps
Cobalt	59-2	185778	184870	186426	185691	0.42	cps
Copper	63-2	1503145	1496314	1497738	1499066	0.24	cps
Dysprosium	156-1	251749	254490	254696	253645	0.65	cps
Dysprosium	156-2	191558	192442	194464	192821	0.77	cps
Erbium	164-1	229476	234056	229509	231014	1.14	cps
Erbium	164-2	149729	145788	145482	147000	1.61	cps
Gadolinium	160-1	248294	247032	246643	247323	0.35	cps
Gadolinium	160-2	167117	165849	165556	166174	0.50	cps
Holmium	165-1	29716911	28896724	28981783	29198473	1.54	cps
Holmium	165-2	18640621	18621443	18312833	18524966	0.99	cps
Indium	115-1	23422960	22538846	22474449	22812085	2.32	cps
Indium	115-2	7501349	7497910	7482439	7493899	0.13	cps
Iron	56-2	141872908	139948728	138931458	140251031	1.07	cps
Iron	57-2	3687536	3605223	3643358	3645372	1.13	cps
Iron	54-2	7819086	7587514	7553346	7653315	1.89	cps
Krypton	83-1	557	643	650	617	8.44	cps

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-11	Instrumnet Name :	P7
Client Sample ID :	MH2GR1	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:41:17	DataFile Name :	040SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	17561695	17653691	17537318	17584235	0.35	cps
Lead	207-1	15088168	15375452	15130207	15197942	1.02	cps
Lead	208-1	69367879	70367478	69463999	69733119	0.79	cps
Lithium	6-1	2108385	2036905	2075053	2073448	1.73	cps
Magnesium	24-2	9017785	8794850	8931554	8914729	1.26	cps
Manganese	55-2	6833869	6791896	6621478	6749081	1.67	cps
Molybdenum	94-1	49557	49961	50273	49930	0.72	cps
Molybdenum	95-1	23673	24013	23302	23663	1.50	cps
Molybdenum	96-1	31350	32583	32062	31998	1.93	cps
Molybdenum	97-1	14477	14838	14697	14671	1.24	cps
Molybdenum	98-1	37799	37802	38233	37945	0.66	cps
Neodymium	150-1	412088	414155	412894	413046	0.25	cps
Neodymium	150-2	226151	226390	226381	226307	0.06	cps
Nickel	60-2	150059	150135	152669	150955	0.98	cps
Phosphorus	31-2	95613	93060	95442	94705	1.51	cps
Potassium	39-2	4137694	4121133	4107650	4122159	0.37	cps
Rhodium	103-1	21263646	20538106	20611199	20804317	1.92	cps
Rhodium	103-2	12079662	12138069	11937196	12051643	0.86	cps
Scandium	45-1	11926264	11408517	11303230	11546004	2.89	cps
Scandium	45-2	988939	1001626	990057	993541	0.71	cps
Selenium	82-1	1468	1396	1458	1441	2.69	cps
Selenium	77-2	690	720	743	718	3.73	cps
Selenium	78-2	960	1120	1037	1039	7.70	cps
Silicon	28-1	75757264	75411639	74690991	75286631	0.72	cps
Silver	107-1	111598	111497	111517	111537	0.05	cps
Silver	109-1	107505	106558	105819	106627	0.79	cps
Sodium	23-2	771989	773311	777788	774363	0.39	cps
Strontium	86-1	3457931	3543031	3523119	3508027	1.27	cps
Strontium	88-1	30552190	30418728	30481350	30484089	0.22	cps
Sulfur	34-1	459171	455805	454619	456532	0.52	cps
Terbium	159-1	30208061	29378890	29553756	29713569	1.47	cps
Terbium	159-2	18216863	18346856	17828141	18130620	1.49	cps
Thallium	203-1	14071	14334	13680	14028	2.35	cps
Thallium	205-1	32776	32896	33835	33169	1.75	cps
Tin	118-1	298854	302341	301562	300919	0.61	cps
Titanium	47-1	350435	350469	347486	349463	0.49	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-11	Instrumnet Name :	P7
Client Sample ID :	MH2GR1	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:41:17	DataFile Name :	040SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	356761	361121	359516	359133	0.61	cps
Vanadium	51-2	412261	408143	408663	409689	0.55	cps
Yttrium	89-1	29715156	28778215	28878340	29123904	1.77	cps
Yttrium	89-2	7246646	7242750	7073503	7187633	1.38	cps
Zinc	66-2	852881	848945	841066	847630	0.71	cps
Zirconium	90-1	99115	100176	99930	99740	0.56	cps
Zirconium	91-1	21950	22350	22217	22172	0.92	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-12	Instrumnet Name :	P7
Client Sample ID :	MH2GR2	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:44:18	DataFile Name :	041SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6645203	6494983	6513871	6551352	1.25	cps
Antimony	121-1	34050	33669	33599	33773	0.72	cps
Arsenic	75-2	21649	21506	21576	21577	0.33	cps
Barium	135-1	5030191	5042941	4958886	5010673	0.90	cps
Barium	137-1	8756168	8697742	8718894	8724268	0.34	cps
Beryllium	9-1	4134	4017	3945	4032	2.37	cps
Bismuth	209-1	17747183	18127626	17673134	17849314	1.37	cps
Bismuth	209-2	12989227	12764395	13009519	12921047	1.05	cps
Bromine	81-1	27459	27476	28791	27909	2.74	cps
Bromine	81-2	2597	2664	2744	2668	2.75	cps
Cadmium	108-1	5164	5191	5191	5182	0.30	cps
Cadmium	106-1	15385	15355	15325	15355	0.20	cps
Cadmium	111-1	80834	81344	80532	80903	0.51	cps
Calcium	43-1	7647500	7706165	7716769	7690145	0.49	cps
Calcium	44-1	125528215	125412241	125131855	125357437	0.16	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	281042	277445	279370	279286	0.64	cps
Cobalt	59-2	195907	195347	194446	195233	0.38	cps
Copper	63-2	1567706	1581956	1573820	1574494	0.45	cps
Dysprosium	156-1	258696	263908	260812	261139	1.00	cps
Dysprosium	156-2	200852	199598	199269	199906	0.42	cps
Erbium	164-1	233883	234826	235351	234687	0.32	cps
Erbium	164-2	150808	148914	148793	149505	0.76	cps
Gadolinium	160-1	251810	256388	252803	253667	0.95	cps
Gadolinium	160-2	170464	170363	170666	170498	0.09	cps
Holmium	165-1	29393697	29447608	29222529	29354611	0.40	cps
Holmium	165-2	18901765	18572261	18537357	18670461	1.08	cps
Indium	115-1	22762659	22544683	22624223	22643855	0.49	cps
Indium	115-2	7526912	7550824	7582762	7553499	0.37	cps
Iron	56-2	165563014	164753311	165222684	165179670	0.25	cps
Iron	57-2	4284764	4207880	4244911	4245852	0.91	cps
Iron	54-2	8980249	9048418	8988525	9005731	0.41	cps
Krypton	83-1	620	583	637	613	4.45	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-12	Instrumnet Name :	P7
Client Sample ID :	MH2GR2	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:44:18	DataFile Name :	041SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	24010005	24055333	24083658	24049665	0.15	cps
Lead	207-1	20343962	20896387	20677293	20639214	1.35	cps
Lead	208-1	93981882	95044462	94743707	94590017	0.58	cps
Lithium	6-1	2108504	2081319	2031623	2073816	1.88	cps
Magnesium	24-2	7946825	7942863	7879442	7923043	0.48	cps
Manganese	55-2	9226288	9113925	9108137	9149450	0.73	cps
Molybdenum	94-1	52510	53300	52256	52689	1.03	cps
Molybdenum	95-1	17778	18228	17874	17960	1.32	cps
Molybdenum	96-1	27900	27192	27820	27637	1.40	cps
Molybdenum	97-1	11304	10914	11118	11112	1.76	cps
Molybdenum	98-1	28872	29092	29690	29218	1.45	cps
Neodymium	150-1	428311	425609	427785	427235	0.34	cps
Neodymium	150-2	237467	235712	237009	236729	0.38	cps
Nickel	60-2	138916	138987	139246	139050	0.12	cps
Phosphorus	31-2	216486	213916	214353	214918	0.64	cps
Potassium	39-2	7184993	7210138	7099300	7164810	0.81	cps
Rhodium	103-1	21008663	20793843	20737751	20846752	0.69	cps
Rhodium	103-2	12253954	12255323	12200231	12236503	0.26	cps
Scandium	45-1	11625482	11295046	11278957	11399828	1.72	cps
Scandium	45-2	998443	995464	992730	995546	0.29	cps
Selenium	82-1	1605	1663	1488	1585	5.60	cps
Selenium	77-2	780	823	687	763	9.15	cps
Selenium	78-2	1150	1007	1100	1086	6.70	cps
Silicon	28-1	90120585	90886472	89845562	90284206	0.60	cps
Silver	107-1	91606	91446	91607	91553	0.10	cps
Silver	109-1	88625	88763	89152	88847	0.31	cps
Sodium	23-2	761794	762358	760942	761698	0.09	cps
Strontium	86-1	3853217	3913356	3839848	3868807	1.01	cps
Strontium	88-1	33318390	34091024	33848982	33752799	1.17	cps
Sulfur	34-1	367276	364582	362573	364810	0.65	cps
Terbium	159-1	29986810	29363004	29524092	29624635	1.09	cps
Terbium	159-2	18418509	18377425	18143520	18313152	0.81	cps
Thallium	203-1	11115	11385	11355	11285	1.31	cps
Thallium	205-1	26800	27251	26710	26920	1.08	cps
Tin	118-1	575667	567903	573910	572493	0.71	cps
Titanium	47-1	498097	497867	487458	494474	1.23	cps

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-12	Instrumnet Name :	P7
Client Sample ID :	MH2GR2	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:44:18	DataFile Name :	041SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	291771	292306	292458	292178	0.12	cps
Vanadium	51-2	429086	429276	430120	429494	0.13	cps
Yttrium	89-1	29426725	29267630	29140980	29278445	0.49	cps
Yttrium	89-2	7288070	7314919	7300720	7301236	0.18	cps
Zinc	66-2	2708495	2660564	2680934	2683331	0.90	cps
Zirconium	90-1	116021	116107	116643	116257	0.29	cps
Zirconium	91-1	25442	26455	25786	25894	1.99	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-13	Instrumnet Name :	P7
Client Sample ID :	MH2GR3	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:47:20	DataFile Name :	042SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6189748	6180284	6231161	6200398	0.44	cps
Antimony	121-1	40390	40821	40644	40618	0.53	cps
Arsenic	75-2	30655	29783	29940	30126	1.54	cps
Barium	135-1	5681846	5723045	5666590	5690494	0.51	cps
Barium	137-1	9868043	9878435	9887850	9878109	0.10	cps
Beryllium	9-1	4162	4251	4251	4221	1.22	cps
Bismuth	209-1	17753072	18210083	18076262	18013139	1.30	cps
Bismuth	209-2	12896218	12953596	13052433	12967416	0.61	cps
Bromine	81-1	33875	35670	36201	35249	3.46	cps
Bromine	81-2	4074	4121	4141	4112	0.83	cps
Cadmium	108-1	5111	5388	5001	5167	3.86	cps
Cadmium	106-1	15872	15111	15335	15439	2.53	cps
Cadmium	111-1	85085	83810	84013	84303	0.81	cps
Calcium	43-1	9215725	9307255	9144781	9222587	0.88	cps
Calcium	44-1	149190414	150153608	147551174	148965066	0.88	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	192350	192681	192950	192661	0.16	cps
Cobalt	59-2	198883	200106	199531	199507	0.31	cps
Copper	63-2	1927360	1920671	1913706	1920579	0.36	cps
Dysprosium	156-1	260709	261383	260326	260806	0.21	cps
Dysprosium	156-2	200946	197060	196769	198258	1.18	cps
Erbium	164-1	237390	240350	240168	239303	0.69	cps
Erbium	164-2	152597	149965	150585	151049	0.91	cps
Gadolinium	160-1	254768	254615	254701	254695	0.03	cps
Gadolinium	160-2	171576	169502	171166	170748	0.64	cps
Holmium	165-1	29172641	29819107	29283838	29425195	1.17	cps
Holmium	165-2	18582479	18858073	19010805	18817119	1.15	cps
Indium	115-1	22751485	22718339	22855941	22775255	0.32	cps
Indium	115-2	7607703	7545554	7709047	7620768	1.08	cps
Iron	56-2	138429635	136651391	135974578	137018535	0.93	cps
Iron	57-2	3597602	3567961	3510627	3558730	1.24	cps
Iron	54-2	7509426	7489877	7399344	7466216	0.79	cps
Krypton	83-1	563	643	580	596	7.09	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-13	Instrumnet Name :	P7
Client Sample ID :	MH2GR3	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:47:20	DataFile Name :	042SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	24964840	24834910	25098384	24966045	0.53	cps
Lead	207-1	21226003	21644756	21608552	21493104	1.08	cps
Lead	208-1	97862149	98947423	99422917	98744163	0.81	cps
Lithium	6-1	2055064	2122422	2114110	2097199	1.75	cps
Magnesium	24-2	6280670	6250336	6351532	6294180	0.83	cps
Manganese	55-2	8308889	8288537	8297715	8298380	0.12	cps
Molybdenum	94-1	53628	53437	53909	53658	0.44	cps
Molybdenum	95-1	12169	12475	12485	12376	1.46	cps
Molybdenum	96-1	22000	21830	21870	21900	0.41	cps
Molybdenum	97-1	7602	7535	7649	7595	0.75	cps
Molybdenum	98-1	20204	19934	19490	19876	1.81	cps
Neodymium	150-1	423706	422419	425901	424009	0.42	cps
Neodymium	150-2	232353	230100	232603	231685	0.60	cps
Nickel	60-2	206070	203388	202452	203970	0.92	cps
Phosphorus	31-2	139573	138258	138254	138695	0.55	cps
Potassium	39-2	5765352	5719799	5688527	5724559	0.67	cps
Rhodium	103-1	20929518	20916903	20843688	20896703	0.22	cps
Rhodium	103-2	12195863	12269604	12325749	12263739	0.53	cps
Scandium	45-1	11547844	11610291	11325176	11494437	1.30	cps
Scandium	45-2	998555	996037	995150	996581	0.18	cps
Selenium	82-1	1649	1526	1614	1596	3.98	cps
Selenium	77-2	677	760	693	710	6.21	cps
Selenium	78-2	1120	967	1080	1056	7.53	cps
Silicon	28-1	90228789	90551659	88293575	89691341	1.36	cps
Silver	107-1	108108	109237	107995	108447	0.63	cps
Silver	109-1	104204	104493	103201	103966	0.65	cps
Sodium	23-2	688720	691195	687736	689217	0.26	cps
Strontium	86-1	4072702	4116283	4079261	4089415	0.57	cps
Strontium	88-1	35747644	35795131	35906969	35816581	0.23	cps
Sulfur	34-1	336403	338790	333531	336242	0.78	cps
Terbium	159-1	29572648	30074312	29962854	29869938	0.88	cps
Terbium	159-2	18484586	18407168	18267373	18386376	0.60	cps
Thallium	203-1	11108	11381	11652	11380	2.39	cps
Thallium	205-1	26753	27211	27117	27027	0.89	cps
Tin	118-1	385014	386745	386186	385981	0.23	cps
Titanium	47-1	410570	412972	411099	411547	0.31	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-13	Instrumnet Name :	P7
Client Sample ID :	MH2GR3	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:47:20	DataFile Name :	042SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	335279	344116	341736	340377	1.34	cps
Vanadium	51-2	435516	432597	433332	433815	0.35	cps
Yttrium	89-1	29426447	29712434	29727383	29622088	0.57	cps
Yttrium	89-2	7299709	7384692	7272567	7318989	0.80	cps
Zinc	66-2	2112155	2095722	2101864	2103247	0.39	cps
Zirconium	90-1	126751	129303	128167	128074	1.00	cps
Zirconium	91-1	27860	27980	28618	28153	1.45	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-14	Instrumnet Name :	P7
Client Sample ID :	MH2GR4	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:50:18	DataFile Name :	043SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6766893	6817184	6709520	6764533	0.80	cps
Antimony	121-1	26935	26645	26705	26762	0.57	cps
Arsenic	75-2	26924	26694	26741	26786	0.45	cps
Barium	135-1	5504708	5580582	5487665	5524319	0.90	cps
Barium	137-1	9672830	9535177	9549825	9585944	0.79	cps
Beryllium	9-1	3845	3956	3778	3860	2.33	cps
Bismuth	209-1	18214079	17629471	17798984	17880845	1.68	cps
Bismuth	209-2	12622269	12833949	12627473	12694564	0.95	cps
Bromine	81-1	49035	51643	52790	51156	3.76	cps
Bromine	81-2	7112	7415	7442	7323	2.50	cps
Cadmium	108-1	3040	2957	2824	2940	3.72	cps
Cadmium	106-1	12192	12045	11685	11974	2.18	cps
Cadmium	111-1	47829	47370	47368	47522	0.56	cps
Calcium	43-1	14265245	14167839	13994139	14142407	0.97	cps
Calcium	44-1	230967090	232599143	227538997	230368410	1.12	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	159099	159345	158369	158938	0.32	cps
Cobalt	59-2	202081	200271	201352	201235	0.45	cps
Copper	63-2	1060532	1071361	1054379	1062091	0.81	cps
Dysprosium	156-1	256398	256133	253754	255428	0.57	cps
Dysprosium	156-2	190618	191835	192949	191801	0.61	cps
Erbium	164-1	232793	236198	235740	234910	0.79	cps
Erbium	164-2	149251	148948	149046	149082	0.10	cps
Gadolinium	160-1	246632	250590	249929	249050	0.85	cps
Gadolinium	160-2	167381	166150	166187	166573	0.42	cps
Holmium	165-1	29740015	29500125	29130646	29456928	1.04	cps
Holmium	165-2	18590809	18704901	18676402	18657371	0.32	cps
Indium	115-1	23051684	22467449	22595093	22704742	1.35	cps
Indium	115-2	7471670	7486088	7438932	7465564	0.32	cps
Iron	56-2	131264831	132891505	130701598	131619311	0.86	cps
Iron	57-2	3510060	3505368	3535008	3516812	0.45	cps
Iron	54-2	7175561	7190059	7110936	7158852	0.59	cps
Krypton	83-1	653	650	620	641	2.86	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-14	Instrumnet Name :	P7
Client Sample ID :	MH2GR4	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:50:18	DataFile Name :	043SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	12933173	12977375	12927951	12946166	0.21	cps
Lead	207-1	11089262	11046425	11174452	11103379	0.59	cps
Lead	208-1	51304158	51036619	51291190	51210656	0.29	cps
Lithium	6-1	2091232	2140884	2102184	2111434	1.24	cps
Magnesium	24-2	6768924	6730817	6700728	6733490	0.51	cps
Manganese	55-2	5786417	5907354	5789683	5827818	1.18	cps
Molybdenum	94-1	43374	44604	43504	43828	1.54	cps
Molybdenum	95-1	12782	13009	13036	12942	1.08	cps
Molybdenum	96-1	20918	21309	20985	21071	0.99	cps
Molybdenum	97-1	8222	8352	8102	8226	1.52	cps
Molybdenum	98-1	20755	21396	20828	20993	1.67	cps
Neodymium	150-1	410735	415970	411902	412869	0.67	cps
Neodymium	150-2	224837	226859	224803	225500	0.52	cps
Nickel	60-2	154966	155846	156706	155839	0.56	cps
Phosphorus	31-2	100779	101796	100568	101047	0.65	cps
Potassium	39-2	3418412	3479837	3400529	3432926	1.21	cps
Rhodium	103-1	20921307	20541984	20056181	20506490	2.11	cps
Rhodium	103-2	12021202	11991323	11794398	11935641	1.03	cps
Scandium	45-1	11616933	11197929	11187754	11334205	2.16	cps
Scandium	45-2	979338	987846	976181	981122	0.61	cps
Selenium	82-1	1552	1537	1448	1512	3.70	cps
Selenium	77-2	700	780	723	734	5.60	cps
Selenium	78-2	1063	1063	1053	1060	0.54	cps
Silicon	28-1	84923539	84355025	83447572	84242045	0.88	cps
Silver	107-1	57423	56453	57042	56972	0.86	cps
Silver	109-1	54010	54957	54154	54374	0.94	cps
Sodium	23-2	782065	782152	780603	781607	0.11	cps
Strontium	86-1	4815465	4839621	4768344	4807810	0.75	cps
Strontium	88-1	41693635	41748409	41998609	41813551	0.39	cps
Sulfur	34-1	362494	360496	359642	360877	0.41	cps
Terbium	159-1	30578027	29573493	29677199	29942906	1.85	cps
Terbium	159-2	18390231	18286695	18245836	18307587	0.41	cps
Thallium	203-1	11348	11505	11011	11288	2.23	cps
Thallium	205-1	26519	26816	27261	26865	1.39	cps
Tin	118-1	244256	246183	244550	244996	0.42	cps
Titanium	47-1	291947	291730	287349	290342	0.89	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-14	Instrumnet Name :	P7
Client Sample ID :	MH2GR4	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:50:18	DataFile Name :	043SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	444668	445871	448293	446277	0.41	cps
Vanadium	51-2	492408	488321	487075	489268	0.57	cps
Yttrium	89-1	29539403	28892245	29182373	29204674	1.11	cps
Yttrium	89-2	7263046	7145101	7127544	7178564	1.03	cps
Zinc	66-2	933740	933174	928687	931867	0.30	cps
Zirconium	90-1	99819	99202	99430	99484	0.31	cps
Zirconium	91-1	22023	22143	22040	22069	0.30	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-15	Instrumnet Name :	P7
Client Sample ID :	MH2GR5	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:53:21	DataFile Name :	044SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6581525	6543980	6514470	6546658	0.51	cps
Antimony	121-1	17868	17628	22173	19223	13.31	cps
Arsenic	75-2	16743	16850	16990	16861	0.73	cps
Barium	135-1	5967323	5962698	5922182	5950734	0.42	cps
Barium	137-1	10284651	10365886	10165459	10271999	0.98	cps
Beryllium	9-1	3011	3245	3534	3263	8.02	cps
Bismuth	209-1	17655381	17513735	17702562	17623893	0.56	cps
Bismuth	209-2	12558876	12520395	12635027	12571433	0.46	cps
Bromine	81-1	55474	58512	59821	57935	3.85	cps
Bromine	81-2	8523	8506	8729	8586	1.45	cps
Cadmium	108-1	1560	1627	1710	1632	4.60	cps
Cadmium	106-1	10440	10164	10190	10265	1.49	cps
Cadmium	111-1	28934	28761	29860	29185	2.02	cps
Calcium	43-1	16617028	16430523	16165172	16404241	1.38	cps
Calcium	44-1	269850143	267926196	262246369	266674236	1.48	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	239475	239922	237460	238952	0.55	cps
Cobalt	59-2	197822	198353	196617	197597	0.45	cps
Copper	63-2	638441	638551	635690	637560	0.25	cps
Dysprosium	156-1	262523	261977	258371	260957	0.86	cps
Dysprosium	156-2	195747	196494	197489	196577	0.44	cps
Erbium	164-1	243247	243833	244674	243918	0.29	cps
Erbium	164-2	154767	154026	152823	153872	0.64	cps
Gadolinium	160-1	255222	258940	254161	256108	0.98	cps
Gadolinium	160-2	172312	172822	171604	172246	0.36	cps
Holmium	165-1	29157049	28895941	29947191	29333394	1.87	cps
Holmium	165-2	18352388	18397815	18471208	18407137	0.33	cps
Indium	115-1	22389847	22098471	22729871	22406063	1.41	cps
Indium	115-2	7424110	7364681	7208687	7332492	1.52	cps
Iron	56-2	126057205	124168275	124732918	124986133	0.78	cps
Iron	57-2	3439432	3400391	3439999	3426607	0.66	cps
Iron	54-2	6808046	6821113	6776996	6802052	0.33	cps
Krypton	83-1	567	553	660	593	9.80	cps

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-15	Instrumnet Name :	P7
Client Sample ID :	MH2GR5	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:53:21	DataFile Name :	044SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4551253	4493558	4630673	4558495	1.51	cps
Lead	207-1	3866724	3845841	3946311	3886292	1.36	cps
Lead	208-1	17884120	17665189	17991635	17846981	0.93	cps
Lithium	6-1	2131610	2101979	2162377	2131989	1.42	cps
Magnesium	24-2	7310391	7364309	7320126	7331609	0.39	cps
Manganese	55-2	5411935	5363152	5310190	5361759	0.95	cps
Molybdenum	94-1	41913	42418	68328	50886	29.69	cps
Molybdenum	95-1	16830	17264	53877	29323	72.52	cps
Molybdenum	96-1	24931	24237	63566	37578	59.90	cps
Molybdenum	97-1	10781	10681	34570	18677	73.69	cps
Molybdenum	98-1	27396	27486	88732	47871	73.92	cps
Neodymium	150-1	423593	421010	421400	422001	0.33	cps
Neodymium	150-2	232056	230457	230416	230976	0.40	cps
Nickel	60-2	575589	575699	573269	574852	0.24	cps
Phosphorus	31-2	85714	85329	85172	85405	0.33	cps
Potassium	39-2	3022424	3054304	2994647	3023791	0.99	cps
Rhodium	103-1	20251421	20174767	20719031	20381740	1.45	cps
Rhodium	103-2	11655441	11822330	11616404	11698058	0.94	cps
Scandium	45-1	11295088	11228101	11205370	11242853	0.41	cps
Scandium	45-2	969276	973107	967833	970072	0.28	cps
Selenium	82-1	1517	1457	1482	1485	2.05	cps
Selenium	77-2	710	770	677	719	6.58	cps
Selenium	78-2	1023	1047	890	987	8.57	cps
Silicon	28-1	83682397	82342737	81225807	82416980	1.49	cps
Silver	107-1	24197	24000	29205	25801	11.43	cps
Silver	109-1	23456	23222	27662	24780	10.08	cps
Sodium	23-2	679323	686172	682475	682657	0.50	cps
Strontium	86-1	5497117	5533049	5402406	5477524	1.23	cps
Strontium	88-1	47588539	48741489	47352819	47894283	1.55	cps
Sulfur	34-1	377720	373952	368303	373325	1.27	cps
Terbium	159-1	29432571	29348957	29582431	29454653	0.40	cps
Terbium	159-2	18341693	18043964	18345992	18243883	0.95	cps
Thallium	203-1	9740	9633	15602	11659	29.30	cps
Thallium	205-1	23737	23430	37108	28092	27.80	cps
Tin	118-1	96796	96094	103361	98750	4.06	cps
Titanium	47-1	287627	288546	291852	289342	0.77	cps

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-15	Instrumnet Name :	P7
Client Sample ID :	MH2GR5	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:53:21	DataFile Name :	044SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	423313	429743	441271	431442	2.11	cps
Vanadium	51-2	530561	525822	530312	528898	0.50	cps
Yttrium	89-1	28794614	29005233	29451845	29083897	1.15	cps
Yttrium	89-2	7092022	7073715	7059907	7075215	0.23	cps
Zinc	66-2	408744	410403	411556	410234	0.34	cps
Zirconium	90-1	89631	91848	100612	94031	6.18	cps
Zirconium	91-1	19974	20191	22387	20851	6.40	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-16	Instrumnet Name :	P7
Client Sample ID :	MH2GR6	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:56:22	DataFile Name :	045SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1540143	1575373	1531227	1548914	1.51	cps
Antimony	121-1	5441	5321	5428	5397	1.22	cps
Arsenic	75-2	10390	10617	10591	10533	1.18	cps
Barium	135-1	2492958	2521936	2503607	2506167	0.58	cps
Barium	137-1	4325453	4409674	4311800	4348975	1.22	cps
Beryllium	9-1	3406	3434	3167	3336	4.40	cps
Bismuth	209-1	15926133	15926279	15816620	15889677	0.40	cps
Bismuth	209-2	11575676	11552283	11430367	11519442	0.68	cps
Bromine	81-1	26273	27769	28164	27402	3.64	cps
Bromine	81-2	2627	2534	2650	2604	2.37	cps
Cadmium	108-1	713	680	740	711	4.23	cps
Cadmium	106-1	9046	8573	8876	8832	2.72	cps
Cadmium	111-1	15263	15018	15278	15186	0.96	cps
Calcium	43-1	41706543	42145408	42173269	42008407	0.62	cps
Calcium	44-1	675139083	688871430	677225537	680412017	1.09	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	194713	195422	193272	194469	0.56	cps
Cobalt	59-2	233658	236819	237135	235871	0.82	cps
Copper	63-2	314527	314763	310514	313268	0.76	cps
Dysprosium	156-1	116323	114821	115833	115659	0.66	cps
Dysprosium	156-2	83593	82477	83228	83099	0.69	cps
Erbium	164-1	105961	104984	105833	105593	0.50	cps
Erbium	164-2	66498	67291	67532	67107	0.81	cps
Gadolinium	160-1	121541	121578	122429	121850	0.41	cps
Gadolinium	160-2	82149	83165	83175	82830	0.71	cps
Holmium	165-1	28506753	27739562	28192060	28146125	1.37	cps
Holmium	165-2	18234541	18190353	18184920	18203271	0.15	cps
Indium	115-1	21328663	21332022	21216617	21292434	0.31	cps
Indium	115-2	7309705	7249718	7217192	7258872	0.65	cps
Iron	56-2	35208916	34615970	34884989	34903292	0.85	cps
Iron	57-2	1718897	1708746	1732903	1720182	0.71	cps
Iron	54-2	1916671	1932173	1915423	1921422	0.49	cps
Krypton	83-1	600	490	520	537	10.60	cps

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-16	Instrumnet Name :	P7
Client Sample ID :	MH2GR6	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:56:22	DataFile Name :	045SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	5195533	5263861	5234220	5231204	0.65	cps
Lead	207-1	4345649	4325186	4226417	4299084	1.48	cps
Lead	208-1	20074878	20318682	19912343	20101968	1.02	cps
Lithium	6-1	1996927	1978865	1981073	1985622	0.50	cps
Magnesium	24-2	328398012	329566223	329585700	329183312	0.21	cps
Manganese	55-2	8786711	8692703	8665866	8715093	0.73	cps
Molybdenum	94-1	11525	11922	11615	11687	1.78	cps
Molybdenum	95-1	5694	6041	5971	5902	3.11	cps
Molybdenum	96-1	7669	7719	7595	7661	0.81	cps
Molybdenum	97-1	3447	3627	3477	3517	2.74	cps
Molybdenum	98-1	9123	9223	9083	9143	0.79	cps
Neodymium	150-1	171378	172309	172979	172222	0.47	cps
Neodymium	150-2	96769	96269	95557	96198	0.63	cps
Nickel	60-2	279243	277390	276194	277609	0.55	cps
Phosphorus	31-2	29595	29064	29642	29434	1.09	cps
Potassium	39-2	1643746	1672862	1648105	1654904	0.95	cps
Rhodium	103-1	19279253	19054817	19433895	19255988	0.99	cps
Rhodium	103-2	11450990	11309349	11362581	11374307	0.63	cps
Scandium	45-1	11424802	11117138	11396241	11312727	1.50	cps
Scandium	45-2	1029441	1029923	1023645	1027670	0.34	cps
Selenium	82-1	1311	1357	1165	1278	7.84	cps
Selenium	77-2	280	360	387	342	16.22	cps
Selenium	78-2	687	653	793	711	10.28	cps
Silicon	28-1	44100019	44840518	45408838	44783125	1.47	cps
Silver	107-1	7989	8586	8913	8496	5.51	cps
Silver	109-1	7672	8012	8329	8004	4.11	cps
Sodium	23-2	840923	840625	843533	841694	0.19	cps
Strontium	86-1	1910306	1877575	1873424	1887102	1.07	cps
Strontium	88-1	16573784	16570361	16499772	16547972	0.25	cps
Sulfur	34-1	366841	371628	374614	371028	1.06	cps
Terbium	159-1	28584958	28146121	28507091	28412723	0.82	cps
Terbium	159-2	17801385	17747663	17473763	17674270	0.99	cps
Thallium	203-1	3687	3544	3914	3715	5.02	cps
Thallium	205-1	8753	9036	9387	9059	3.50	cps
Tin	118-1	44933	44870	44345	44716	0.72	cps
Titanium	47-1	106875	103638	105729	105414	1.56	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-16	Instrumnet Name :	P7
Client Sample ID :	MH2GR6	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:56:22	DataFile Name :	045SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	112342	111297	109650	111096	1.22	cps
Vanadium	51-2	501287	500126	500603	500672	0.12	cps
Yttrium	89-1	27017940	26533104	26912352	26821132	0.95	cps
Yttrium	89-2	6781175	6843335	6785593	6803368	0.51	cps
Zinc	66-2	476208	476962	474301	475824	0.29	cps
Zirconium	90-1	22734	22875	22868	22826	0.35	cps
Zirconium	91-1	5024	4984	5041	5016	0.58	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-17	Instrumnet Name :	P7
Client Sample ID :	MH2GR7	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:59:28	DataFile Name :	046SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5509652	5350117	5429606	5429792	1.47	cps
Antimony	121-1	27042	26605	27149	26932	1.07	cps
Arsenic	75-2	20554	20494	20604	20551	0.27	cps
Barium	135-1	4091750	4059967	3967474	4039730	1.60	cps
Barium	137-1	6961812	7027940	6879011	6956254	1.07	cps
Beryllium	9-1	3584	3678	3278	3513	5.95	cps
Bismuth	209-1	17582872	17432547	17475919	17497113	0.44	cps
Bismuth	209-2	12475629	12516295	12532299	12508074	0.23	cps
Bromine	81-1	28100	27736	28908	28248	2.12	cps
Bromine	81-2	2554	2577	2654	2595	2.02	cps
Cadmium	108-1	3440	3287	3170	3299	4.11	cps
Cadmium	106-1	12983	13013	12429	12808	2.57	cps
Cadmium	111-1	53057	52409	52243	52570	0.82	cps
Calcium	43-1	10653786	10481654	10401146	10512195	1.23	cps
Calcium	44-1	171324564	169413544	168663067	169800392	0.81	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	203440	202703	205399	203847	0.68	cps
Cobalt	59-2	190651	186675	185788	187705	1.38	cps
Copper	63-2	1232259	1229112	1220583	1227318	0.49	cps
Dysprosium	156-1	232732	231552	231789	232024	0.27	cps
Dysprosium	156-2	174975	174144	174651	174590	0.24	cps
Erbium	164-1	205645	208395	205466	206502	0.79	cps
Erbium	164-2	132414	130812	131118	131448	0.65	cps
Gadolinium	160-1	224505	224009	223899	224138	0.14	cps
Gadolinium	160-2	150530	150128	149485	150048	0.35	cps
Holmium	165-1	29220472	28951262	28401200	28857645	1.45	cps
Holmium	165-2	18462686	18335060	18323622	18373790	0.42	cps
Indium	115-1	22747745	22255876	22103859	22369160	1.50	cps
Indium	115-2	7460125	7375039	7315441	7383535	0.98	cps
Iron	56-2	148567558	147522728	147632614	147907633	0.39	cps
Iron	57-2	3857022	3833132	3878428	3856194	0.59	cps
Iron	54-2	8035004	7991373	7983296	8003224	0.35	cps
Krypton	83-1	630	583	567	593	5.53	cps

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-17	Instrumnet Name :	P7
Client Sample ID :	MH2GR7	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:59:28	DataFile Name :	046SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	13936096	13868207	13761046	13855116	0.64	cps
Lead	207-1	11884811	11911005	11781530	11859115	0.58	cps
Lead	208-1	54884880	54814483	54407058	54702140	0.47	cps
Lithium	6-1	2234075	2220276	2183427	2212593	1.18	cps
Magnesium	24-2	38136916	37516262	37565286	37739488	0.91	cps
Manganese	55-2	7355908	7281588	7301244	7312913	0.53	cps
Molybdenum	94-1	46072	45337	44544	45318	1.69	cps
Molybdenum	95-1	14030	14170	13373	13858	3.07	cps
Molybdenum	96-1	21833	22360	22307	22167	1.31	cps
Molybdenum	97-1	8603	8579	8443	8541	1.01	cps
Molybdenum	98-1	22000	22394	21947	22113	1.10	cps
Neodymium	150-1	380610	376253	378374	378412	0.58	cps
Neodymium	150-2	208434	208499	207179	208037	0.36	cps
Nickel	60-2	255118	253312	253730	254053	0.37	cps
Phosphorus	31-2	88206	88567	87592	88122	0.56	cps
Potassium	39-2	4021863	4001645	4015007	4012838	0.26	cps
Rhodium	103-1	20639955	20362692	20054391	20352346	1.44	cps
Rhodium	103-2	11982428	11882386	11832260	11899025	0.64	cps
Scandium	45-1	11690479	11355922	11271362	11439254	1.94	cps
Scandium	45-2	985726	984934	970158	980273	0.89	cps
Selenium	82-1	1247	1358	1220	1275	5.73	cps
Selenium	77-2	630	633	710	658	6.88	cps
Selenium	78-2	913	903	960	926	3.27	cps
Silicon	28-1	89228182	88693755	86714985	88212308	1.50	cps
Silver	107-1	59983	60043	59575	59867	0.43	cps
Silver	109-1	56573	56921	57219	56904	0.57	cps
Sodium	23-2	838758	835373	833100	835744	0.34	cps
Strontium	86-1	2914270	2934853	2889292	2912805	0.78	cps
Strontium	88-1	25543192	25801911	25075354	25473486	1.45	cps
Sulfur	34-1	422110	415484	405341	414311	2.04	cps
Terbium	159-1	29681705	29449715	29348864	29493428	0.58	cps
Terbium	159-2	18204376	18201842	18007668	18137962	0.62	cps
Thallium	203-1	10681	10924	10584	10730	1.63	cps
Thallium	205-1	25514	25995	25634	25714	0.97	cps
Tin	118-1	343187	346758	342115	344020	0.71	cps
Titanium	47-1	459554	459104	453689	457449	0.71	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-17	Instrumnet Name :	P7
Client Sample ID :	MH2GR7	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 18:59:28	DataFile Name :	046SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	246660	246012	245981	246218	0.16	cps
Vanadium	51-2	424155	420552	422176	422294	0.43	cps
Yttrium	89-1	29110790	28565344	28407980	28694705	1.29	cps
Yttrium	89-2	7105422	7032732	7013870	7050675	0.69	cps
Zinc	66-2	1409551	1408274	1395358	1404394	0.56	cps
Zirconium	90-1	102350	103206	101887	102481	0.65	cps
Zirconium	91-1	22524	23105	22774	22801	1.28	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	CCV002	Instrumnet Name :	P7
Client Sample ID :	CCV002	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:02:33	DataFile Name :	047CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	24945601	25060770	24709876	24905416	0.72	cps
Antimony	121-1	12122147	12114641	12042488	12093092	0.36	cps
Arsenic	75-2	631171	630319	636243	632578	0.51	cps
Barium	135-1	15304063	15251201	15148353	15234539	0.52	cps
Barium	137-1	26002281	26329600	26112536	26148139	0.64	cps
Beryllium	9-1	1113621	1135312	1105773	1118235	1.37	cps
Bismuth	209-1	16737926	15486043	15254259	15826076	5.04	cps
Bismuth	209-2	11165242	11302498	11053586	11173775	1.12	cps
Bromine	81-1	16950	16696	16786	16811	0.76	cps
Bromine	81-2	227	227	193	216	8.93	cps
Cadmium	108-1	239285	241969	241282	240845	0.58	cps
Cadmium	106-1	344421	345954	342697	344357	0.47	cps
Cadmium	111-1	3222786	3211999	3226518	3220435	0.23	cps
Calcium	43-1	14392355	14542983	14483548	14472962	0.52	cps
Calcium	44-1	234726903	234425283	235653310	234935165	0.27	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4606732	4660223	4657408	4641454	0.65	cps
Cobalt	59-2	7543940	7672626	7542130	7586232	0.99	cps
Copper	63-2	56187436	55543859	56691997	56141097	1.03	cps
Dysprosium	156-1	710	737	737	728	2.12	cps
Dysprosium	156-2	967	1047	1143	1052	8.41	cps
Erbium	164-1	740	750	653	714	7.44	cps
Erbium	164-2	443	453	457	451	1.54	cps
Gadolinium	160-1	663	610	627	633	4.31	cps
Gadolinium	160-2	1183	1130	1330	1215	8.53	cps
Holmium	165-1	29239001	26940498	26571515	27583672	5.24	cps
Holmium	165-2	17236249	17412011	17096480	17248247	0.92	cps
Indium	115-1	22152475	20644372	20134207	20977018	5.00	cps
Indium	115-2	6834069	6803621	6793152	6810281	0.31	cps
Iron	56-2	1044927984	1044476438	1039196705	1042867042	0.31	cps
Iron	57-2	26025386	26458308	26230662	26238119	0.83	cps
Iron	54-2	56880477	57460594	56954394	57098489	0.55	cps
Krypton	83-1	383	333	347	354	7.30	cps

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	CCV002	Instrumnet Name :	P7
Client Sample ID :	CCV002	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:02:33	DataFile Name :	047CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	45256769	45689753	46029604	45658709	0.85	cps
Lead	207-1	40191054	40165053	40522309	40292806	0.49	cps
Lead	208-1	182080886	182105657	184070529	182752357	0.62	cps
Lithium	6-1	2081763	2096362	2024675	2067600	1.83	cps
Magnesium	24-2	210983916	209204623	208471538	209553359	0.62	cps
Manganese	55-2	35620810	35835181	35749304	35735098	0.30	cps
Molybdenum	94-1	42942501	42881839	42668143	42830828	0.34	cps
Molybdenum	95-1	62033497	62598131	62499571	62377066	0.48	cps
Molybdenum	96-1	67770402	68008984	67562117	67780501	0.33	cps
Molybdenum	97-1	38658675	38790597	38236740	38562004	0.75	cps
Molybdenum	98-1	100048662	100749195	101264335	100687397	0.61	cps
Neodymium	150-1	1170	1043	1100	1104	5.75	cps
Neodymium	150-2	313	330	273	306	9.53	cps
Nickel	60-2	2549934	2578116	2622134	2583395	1.41	cps
Phosphorus	31-2	237948	238320	239153	238474	0.26	cps
Potassium	39-2	123543441	123508421	122719028	123256964	0.38	cps
Rhodium	103-1	20120939	18554223	18296680	18990614	5.20	cps
Rhodium	103-2	10848793	10611532	10786929	10749084	1.14	cps
Scandium	45-1	11835061	11099214	10769479	11234585	4.86	cps
Scandium	45-2	957046	959608	946205	954286	0.75	cps
Selenium	82-1	186673	186609	187324	186869	0.21	cps
Selenium	77-2	18355	18492	18659	18502	0.82	cps
Selenium	78-2	62461	61527	63325	62437	1.44	cps
Silicon	28-1	31048335	31666845	31358460	31357880	0.99	cps
Silver	107-1	15613768	15748456	15537710	15633311	0.68	cps
Silver	109-1	15128966	14994543	14961075	15028194	0.59	cps
Sodium	23-2	328676822	329626228	324775008	327692686	0.78	cps
Strontium	86-1	3715662	3753339	3760787	3743263	0.65	cps
Strontium	88-1	32858600	32738612	33070652	32889288	0.51	cps
Sulfur	34-1	1205761	1212707	1193254	1203907	0.82	cps
Terbium	159-1	29619122	27360774	26972916	27984271	5.11	cps
Terbium	159-2	17145241	17040972	16988697	17058303	0.47	cps
Thallium	203-1	11477388	11520470	11576880	11524913	0.43	cps
Thallium	205-1	27198751	27679983	27744650	27541128	1.08	cps
Tin	118-1	10213457	10224504	10137477	10191813	0.46	cps
Titanium	47-1	14237806	14334445	14317656	14296636	0.36	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	CCV002	Instrumnet Name :	P7
Client Sample ID :	CCV002	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:02:33	DataFile Name :	047CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	36738744	37950062	37800069	37496291	1.76	cps
Vanadium	51-2	4140685	4166575	4110560	4139273	0.68	cps
Yttrium	89-1	26376424	24338609	24030256	24915096	5.12	cps
Yttrium	89-2	6093818	6084053	6124759	6100877	0.35	cps
Zinc	66-2	8949779	8972626	9136098	9019501	1.13	cps
Zirconium	90-1	21043753	20926756	21088415	21019641	0.40	cps
Zirconium	91-1	4637287	4684745	4645885	4655972	0.54	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	CCB002	Instrumnet Name :	P7
Client Sample ID :	CCB002	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:05:17	DataFile Name :	048CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1840	1853	1590	1761	8.42	cps
Antimony	121-1	3827	4804	6221	4951	24.32	cps
Arsenic	75-2	37	50	67	51	29.41	cps
Barium	135-1	1460	1390	1383	1411	3.01	cps
Barium	137-1	2674	2737	2497	2636	4.72	cps
Beryllium	9-1	278	306	272	285	6.26	cps
Bismuth	209-1	17545161	17506055	17053852	17368356	1.57	cps
Bismuth	209-2	12868226	12823730	12965168	12885708	0.56	cps
Bromine	81-1	15348	15054	15655	15353	1.96	cps
Bromine	81-2	100	163	127	130	24.46	cps
Cadmium	108-1	37	57	30	41	33.76	cps
Cadmium	106-1	7102	7015	6938	7018	1.16	cps
Cadmium	111-1	5426	5258	5253	5312	1.85	cps
Calcium	43-1	2687	2734	2377	2599	7.46	cps
Calcium	44-1	54675	55511	54304	54830	1.13	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2950	2770	2620	2780	5.94	cps
Cobalt	59-2	663	557	563	594	10.05	cps
Copper	63-2	6918	6175	5828	6307	8.83	cps
Dysprosium	156-1	13	3	57	24	116.00	cps
Dysprosium	156-2	23	10	7	13	66.12	cps
Erbium	164-1	107	140	100	116	18.54	cps
Erbium	164-2	67	87	43	66	33.09	cps
Gadolinium	160-1	90	130	170	130	30.77	cps
Gadolinium	160-2	870	990	993	951	7.39	cps
Holmium	165-1	27615958	27833275	27314190	27587808	0.94	cps
Holmium	165-2	18045569	18121459	18113967	18093665	0.23	cps
Indium	115-1	22082912	21921797	22163745	22056151	0.56	cps
Indium	115-2	7500363	7509406	7474456	7494742	0.24	cps
Iron	56-2	102946	93528	85427	93967	9.33	cps
Iron	57-2	3310	3054	3177	3180	4.04	cps
Iron	54-2	7118	6625	6368	6704	5.69	cps
Krypton	83-1	270	367	260	299	19.71	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	CCB002	Instrumnet Name :	P7
Client Sample ID :	CCB002	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:05:17	DataFile Name :	048CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	8623	8900	8256	8593	3.76	cps
Lead	207-1	7445	7449	7242	7379	1.61	cps
Lead	208-1	34674	34721	32726	34040	3.35	cps
Lithium	6-1	2257234	2211824	2178384	2215814	1.79	cps
Magnesium	24-2	16072	14753	13105	14643	10.15	cps
Manganese	55-2	4477	4131	3834	4147	7.77	cps
Molybdenum	94-1	4844	5028	5398	5090	5.54	cps
Molybdenum	95-1	6568	6818	6778	6722	2.00	cps
Molybdenum	96-1	7489	7299	7395	7394	1.29	cps
Molybdenum	97-1	4184	4241	4134	4186	1.28	cps
Molybdenum	98-1	10734	11101	11294	11043	2.58	cps
Neodymium	150-1	37	23	17	26	39.85	cps
Neodymium	150-2	7	3	17	9	78.08	cps
Nickel	60-2	4857	4786	4483	4709	4.23	cps
Phosphorus	31-2	340	310	377	342	9.76	cps
Potassium	39-2	86363	85314	83748	85142	1.55	cps
Rhodium	103-1	20909324	20611585	20558898	20693269	0.91	cps
Rhodium	103-2	12253463	12118788	12074767	12149006	0.77	cps
Scandium	45-1	11119759	11113929	11058924	11097537	0.30	cps
Scandium	45-2	967362	974805	964825	968998	0.54	cps
Selenium	82-1	809	714	718	747	7.22	cps
Selenium	77-2	10	3	3	6	69.34	cps
Selenium	78-2	453	453	437	448	2.15	cps
Silicon	28-1	869294	868909	860839	866347	0.55	cps
Silver	107-1	2797	2557	2134	2496	13.46	cps
Silver	109-1	2704	2314	2170	2396	11.52	cps
Sodium	23-2	92180	88891	86323	89131	3.29	cps
Strontium	86-1	973	950	940	954	1.79	cps
Strontium	88-1	4264	4431	4391	4362	2.00	cps
Sulfur	34-1	288123	284687	284883	285897	0.67	cps
Terbium	159-1	27974425	27755654	27981165	27903748	0.46	cps
Terbium	159-2	18055700	17782983	17710297	17849660	1.02	cps
Thallium	203-1	3450	3060	2834	3115	10.02	cps
Thallium	205-1	8259	7309	6858	7475	9.57	cps
Tin	118-1	5985	6021	6158	6055	1.51	cps
Titanium	47-1	1530	1463	1467	1487	2.53	cps

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On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	CCB002	Instrumnet Name :	P7
Client Sample ID :	CCB002	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:05:17	DataFile Name :	048CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	3087	3257	3097	3147	3.03	cps
Vanadium	51-2	317	180	213	237	30.11	cps
Yttrium	89-1	25335281	25055244	24993917	25128147	0.72	cps
Yttrium	89-2	6383619	6435622	6346841	6388694	0.70	cps
Zinc	66-2	2224	2057	1953	2078	6.56	cps
Zirconium	90-1	3234	3420	3757	3470	7.64	cps
Zirconium	91-1	720	693	693	702	2.19	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-18	Instrumnet Name :	P7
Client Sample ID :	MH2GR8	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:08:34	DataFile Name :	049SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6086892	6062352	6027000	6058748	0.50	cps
Antimony	121-1	24651	24925	24748	24775	0.56	cps
Arsenic	75-2	27145	27703	26704	27184	1.84	cps
Barium	135-1	4229238	4193014	4216322	4212858	0.44	cps
Barium	137-1	7217459	7343118	7320989	7293856	0.92	cps
Beryllium	9-1	3289	3717	3400	3469	6.40	cps
Bismuth	209-1	17491508	17499520	17550468	17513832	0.18	cps
Bismuth	209-2	12599397	12736486	12627618	12654500	0.57	cps
Bromine	81-1	33044	33561	34366	33657	1.98	cps
Bromine	81-2	4267	4197	4334	4266	1.60	cps
Cadmium	108-1	2870	2674	2984	2843	5.52	cps
Cadmium	106-1	11721	11888	11278	11629	2.71	cps
Cadmium	111-1	46050	45723	45727	45834	0.41	cps
Calcium	43-1	9702499	9637499	9529246	9623081	0.91	cps
Calcium	44-1	157757894	155513674	156497798	156589789	0.72	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	185083	184297	186352	185244	0.56	cps
Cobalt	59-2	192981	192036	192758	192592	0.26	cps
Copper	63-2	1059034	1052259	1046514	1052602	0.60	cps
Dysprosium	156-1	263581	264693	262986	263753	0.33	cps
Dysprosium	156-2	201656	200703	202292	201550	0.40	cps
Erbium	164-1	238940	242141	241406	240829	0.70	cps
Erbium	164-2	154123	153870	155502	154498	0.57	cps
Gadolinium	160-1	258596	259179	256839	258205	0.47	cps
Gadolinium	160-2	175460	175905	176498	175954	0.30	cps
Holmium	165-1	28415212	28073546	28544135	28344298	0.86	cps
Holmium	165-2	18545935	18298878	18220472	18355095	0.93	cps
Indium	115-1	22187759	22064925	22006089	22086258	0.42	cps
Indium	115-2	7410895	7357690	7274593	7347726	0.93	cps
Iron	56-2	140582975	139298995	137861621	139247863	0.98	cps
Iron	57-2	3622933	3664519	3598353	3628602	0.92	cps
Iron	54-2	7590678	7547108	7453883	7530557	0.93	cps
Krypton	83-1	517	627	600	581	9.87	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-18	Instrumnet Name :	P7
Client Sample ID :	MH2GR8	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:08:34	DataFile Name :	049SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	9605514	9505017	9648169	9586233	0.77	cps
Lead	207-1	8280081	8201418	8214661	8232053	0.51	cps
Lead	208-1	37865756	37783124	37958111	37868997	0.23	cps
Lithium	6-1	2193989	2146674	2095951	2145538	2.29	cps
Magnesium	24-2	9164422	9106817	9199256	9156832	0.51	cps
Manganese	55-2	6275691	6212081	6160666	6216146	0.93	cps
Molybdenum	94-1	43160	43625	44808	43864	1.94	cps
Molybdenum	95-1	11661	11338	11555	11518	1.43	cps
Molybdenum	96-1	19386	19740	19510	19545	0.92	cps
Molybdenum	97-1	7282	7088	7232	7201	1.39	cps
Molybdenum	98-1	18462	18151	18779	18464	1.70	cps
Neodymium	150-1	426312	430347	427953	428204	0.47	cps
Neodymium	150-2	236829	237560	236711	237033	0.19	cps
Nickel	60-2	193663	193552	193940	193718	0.10	cps
Phosphorus	31-2	93151	92762	93265	93059	0.28	cps
Potassium	39-2	4315315	4361475	4298376	4325055	0.76	cps
Rhodium	103-1	20236175	20144853	20161099	20180709	0.24	cps
Rhodium	103-2	11968269	11815733	11777029	11853677	0.85	cps
Scandium	45-1	11307476	11270787	11006736	11195000	1.47	cps
Scandium	45-2	969725	970064	960305	966698	0.57	cps
Selenium	82-1	1325	1290	1338	1318	1.92	cps
Selenium	77-2	703	703	667	691	3.06	cps
Selenium	78-2	917	997	930	948	4.52	cps
Silicon	28-1	84229499	82574012	81709182	82837564	1.55	cps
Silver	107-1	62671	61500	61044	61738	1.36	cps
Silver	109-1	60331	59043	59615	59663	1.08	cps
Sodium	23-2	872738	878063	874644	875148	0.31	cps
Strontium	86-1	3090391	3070194	3080947	3080511	0.33	cps
Strontium	88-1	26683991	26754615	26796234	26744947	0.21	cps
Sulfur	34-1	327959	324331	321987	324759	0.93	cps
Terbium	159-1	28921950	29136253	28910215	28989473	0.44	cps
Terbium	159-2	18015686	18127372	18154110	18099056	0.41	cps
Thallium	203-1	13337	12489	11925	12584	5.65	cps
Thallium	205-1	31790	30351	29479	30540	3.82	cps
Tin	118-1	197890	199160	199001	198684	0.35	cps
Titanium	47-1	298281	294353	296029	296221	0.67	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-18	Instrumnet Name :	P7
Client Sample ID :	MH2GR8	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:08:34	DataFile Name :	049SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	283303	283510	281431	282748	0.41	cps
Vanadium	51-2	440764	440817	436257	439279	0.60	cps
Yttrium	89-1	28656338	28550835	28712990	28640054	0.29	cps
Yttrium	89-2	7136461	7084393	7092804	7104553	0.39	cps
Zinc	66-2	899894	898334	899535	899254	0.09	cps
Zirconium	90-1	101068	101149	102572	101596	0.83	cps
Zirconium	91-1	22658	22778	23285	22907	1.45	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-19	Instrumnet Name :	P7
Client Sample ID :	MH2GR9	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:11:37	DataFile Name :	050SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6150583	6105562	6123579	6126575	0.37	cps
Antimony	121-1	20959	20892	21740	21197	2.22	cps
Arsenic	75-2	26731	27228	26844	26934	0.97	cps
Barium	135-1	4336342	4412327	4328677	4359115	1.06	cps
Barium	137-1	7576231	7531458	7449080	7518923	0.86	cps
Beryllium	9-1	4267	4084	4251	4201	2.41	cps
Bismuth	209-1	17904314	18009352	17642666	17852110	1.06	cps
Bismuth	209-2	12985064	12816924	12834074	12878687	0.72	cps
Bromine	81-1	35065	37020	38637	36907	4.85	cps
Bromine	81-2	4961	4901	5134	4999	2.42	cps
Cadmium	108-1	2197	2184	2094	2158	2.60	cps
Cadmium	106-1	11078	10654	10407	10713	3.17	cps
Cadmium	111-1	35409	34571	35380	35120	1.35	cps
Calcium	43-1	11127107	10997065	10963700	11029291	0.78	cps
Calcium	44-1	180320911	178953424	178095851	179123395	0.63	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	147099	145584	145392	146025	0.64	cps
Cobalt	59-2	183345	183572	182128	183015	0.42	cps
Copper	63-2	890135	880363	875165	881887	0.86	cps
Dysprosium	156-1	272487	268142	271795	270808	0.86	cps
Dysprosium	156-2	205677	206535	206638	206283	0.26	cps
Erbium	164-1	250061	250416	248341	249606	0.44	cps
Erbium	164-2	158198	157881	159242	158440	0.45	cps
Gadolinium	160-1	265795	262900	262945	263880	0.63	cps
Gadolinium	160-2	177197	177175	176905	177092	0.09	cps
Holmium	165-1	28840718	29077021	28794908	28904216	0.52	cps
Holmium	165-2	18602495	18453880	18579276	18545217	0.43	cps
Indium	115-1	21982838	22222740	22241075	22148885	0.65	cps
Indium	115-2	7551459	7459611	7415692	7475588	0.93	cps
Iron	56-2	120112532	120300975	118768935	119727480	0.70	cps
Iron	57-2	3168909	3210970	3174705	3184861	0.72	cps
Iron	54-2	6620150	6498081	6461113	6526448	1.28	cps
Krypton	83-1	623	620	580	608	3.97	cps

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-19	Instrumnet Name :	P7
Client Sample ID :	MH2GR9	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:11:37	DataFile Name :	050SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	14348341	14553826	14337687	14413285	0.85	cps
Lead	207-1	12111839	12184352	12019744	12105312	0.68	cps
Lead	208-1	56350396	56609050	56025910	56328452	0.52	cps
Lithium	6-1	2111556	2209497	2199985	2173679	2.48	cps
Magnesium	24-2	9471576	9505672	9566897	9514715	0.51	cps
Manganese	55-2	7312325	7257815	7306815	7292319	0.41	cps
Molybdenum	94-1	50998	50313	50868	50726	0.72	cps
Molybdenum	95-1	11945	12505	11998	12150	2.55	cps
Molybdenum	96-1	20711	20982	20888	20861	0.66	cps
Molybdenum	97-1	7472	7645	7305	7474	2.28	cps
Molybdenum	98-1	19890	19403	19520	19604	1.30	cps
Neodymium	150-1	441057	443890	439625	441524	0.49	cps
Neodymium	150-2	242443	244594	242731	243256	0.48	cps
Nickel	60-2	178340	177526	177737	177868	0.24	cps
Phosphorus	31-2	95042	92359	94217	93873	1.46	cps
Potassium	39-2	3657876	3599231	3658605	3638571	0.94	cps
Rhodium	103-1	20485138	20168206	20044618	20232654	1.12	cps
Rhodium	103-2	11921108	11955917	11874351	11917125	0.34	cps
Scandium	45-1	11198167	11220071	11048063	11155433	0.84	cps
Scandium	45-2	972236	964820	954764	963940	0.91	cps
Selenium	82-1	1455	1295	1418	1389	6.02	cps
Selenium	77-2	597	733	653	661	10.39	cps
Selenium	78-2	1000	1000	1003	1001	0.19	cps
Silicon	28-1	90618095	88412145	88963249	89331163	1.29	cps
Silver	107-1	69425	69130	68079	68878	1.03	cps
Silver	109-1	66689	65530	66153	66124	0.88	cps
Sodium	23-2	1921536	1940926	1928777	1930413	0.51	cps
Strontium	86-1	3781219	3726935	3750672	3752942	0.73	cps
Strontium	88-1	32973525	32574333	32192905	32580254	1.20	cps
Sulfur	34-1	339608	340747	338470	339608	0.34	cps
Terbium	159-1	29070081	29055267	29010520	29045290	0.11	cps
Terbium	159-2	18432273	18183835	18191721	18269276	0.77	cps
Thallium	203-1	9687	9613	9874	9725	1.38	cps
Thallium	205-1	23160	23016	23086	23087	0.31	cps
Tin	118-1	371578	375035	370612	372408	0.62	cps
Titanium	47-1	304328	302054	302530	302971	0.40	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-19	Instrumnet Name :	P7
Client Sample ID :	MH2GR9	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:11:37	DataFile Name :	050SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	277898	274411	276131	276147	0.63	cps
Vanadium	51-2	433030	430387	430115	431178	0.37	cps
Yttrium	89-1	28710315	29020998	28467547	28732953	0.97	cps
Yttrium	89-2	7200854	7196061	7070063	7155660	1.04	cps
Zinc	66-2	608127	604073	601650	604617	0.54	cps
Zirconium	90-1	118913	118974	121400	119762	1.18	cps
Zirconium	91-1	26417	26721	26434	26524	0.64	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-20	Instrumnet Name :	P7
Client Sample ID :	MH2GS0	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:14:35	DataFile Name :	051SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4997833	4946575	4912898	4952435	0.86	cps
Antimony	121-1	21723	21666	21419	21603	0.75	cps
Arsenic	75-2	19706	19673	19570	19650	0.36	cps
Barium	135-1	4230251	4169762	4165671	4188561	0.86	cps
Barium	137-1	7283052	7121097	7216777	7206975	1.13	cps
Beryllium	9-1	3484	3512	3223	3406	4.68	cps
Bismuth	209-1	17831409	17883002	17904063	17872825	0.21	cps
Bismuth	209-2	12882295	13030580	12837133	12916669	0.78	cps
Bromine	81-1	26073	27108	27566	26916	2.84	cps
Bromine	81-2	2937	2637	2597	2724	6.82	cps
Cadmium	108-1	5248	4858	5081	5062	3.87	cps
Cadmium	106-1	15028	14898	14931	14952	0.45	cps
Cadmium	111-1	79755	80617	80106	80159	0.54	cps
Calcium	43-1	6658404	6690242	6625012	6657886	0.49	cps
Calcium	44-1	107922032	108156038	106364748	107480940	0.91	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	272138	269753	266804	269565	0.99	cps
Cobalt	59-2	163145	162422	162883	162816	0.22	cps
Copper	63-2	1303719	1301175	1293035	1299310	0.43	cps
Dysprosium	156-1	247427	247437	250369	248411	0.68	cps
Dysprosium	156-2	188405	186446	186400	187084	0.61	cps
Erbium	164-1	227657	227943	226061	227221	0.45	cps
Erbium	164-2	145667	145351	144519	145179	0.41	cps
Gadolinium	160-1	241004	241049	240980	241011	0.01	cps
Gadolinium	160-2	164295	162429	163313	163346	0.57	cps
Holmium	165-1	28798607	28907762	29090061	28932143	0.51	cps
Holmium	165-2	18354809	18645310	18516731	18505617	0.79	cps
Indium	115-1	22447041	22145491	22250477	22281003	0.69	cps
Indium	115-2	7398881	7279675	7202674	7293743	1.36	cps
Iron	56-2	111853472	110364952	109951242	110723222	0.90	cps
Iron	57-2	2899031	2858242	2814326	2857200	1.48	cps
Iron	54-2	6077015	5959084	6038116	6024738	1.00	cps
Krypton	83-1	493	720	503	572	22.38	cps

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-20	Instrumnet Name :	P7
Client Sample ID :	MH2GS0	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:14:35	DataFile Name :	051SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	21178583	21151198	21039129	21122970	0.35	cps
Lead	207-1	18463605	18253305	18184423	18300444	0.79	cps
Lead	208-1	83668138	83657574	83341081	83555598	0.22	cps
Lithium	6-1	2185883	2205006	2174282	2188390	0.71	cps
Magnesium	24-2	6139538	6126973	6111570	6126027	0.23	cps
Manganese	55-2	7670974	7645963	7673466	7663467	0.20	cps
Molybdenum	94-1	43033	43474	44106	43538	1.24	cps
Molybdenum	95-1	8919	9206	9066	9064	1.58	cps
Molybdenum	96-1	16840	16733	17063	16879	1.00	cps
Molybdenum	97-1	5621	5641	5511	5591	1.25	cps
Molybdenum	98-1	14364	14003	14350	14239	1.43	cps
Neodymium	150-1	399564	399695	398732	399330	0.13	cps
Neodymium	150-2	219032	219235	216136	218134	0.79	cps
Nickel	60-2	125718	124382	124813	124971	0.55	cps
Phosphorus	31-2	111156	111717	111935	111603	0.36	cps
Potassium	39-2	3802429	3788905	3781319	3790884	0.28	cps
Rhodium	103-1	20312425	20256141	20147134	20238567	0.42	cps
Rhodium	103-2	11753816	11831664	11762256	11782579	0.36	cps
Scandium	45-1	10973410	10870365	10672389	10838722	1.41	cps
Scandium	45-2	943049	947346	940403	943599	0.37	cps
Selenium	82-1	1539	1212	1442	1398	12.01	cps
Selenium	77-2	683	677	717	692	3.10	cps
Selenium	78-2	1013	997	1077	1029	4.10	cps
Silicon	28-1	91504982	89700309	90221409	90475566	1.03	cps
Silver	107-1	92532	92418	92854	92601	0.24	cps
Silver	109-1	88055	88418	88240	88237	0.21	cps
Sodium	23-2	469357	464757	466922	467012	0.49	cps
Strontium	86-1	3015440	3077642	3093696	3062259	1.35	cps
Strontium	88-1	26927715	26351846	26554606	26611389	1.10	cps
Sulfur	34-1	327171	325520	323929	325540	0.50	cps
Terbium	159-1	29146128	29150636	29329355	29208706	0.36	cps
Terbium	159-2	18339833	18314879	18048001	18234238	0.89	cps
Thallium	203-1	8916	8700	8776	8797	1.25	cps
Thallium	205-1	21303	20753	21467	21174	1.77	cps
Tin	118-1	160827	162151	161170	161382	0.43	cps
Titanium	47-1	307434	304934	302775	305047	0.76	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-20	Instrumnet Name :	P7
Client Sample ID :	MH2GS0	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:14:35	DataFile Name :	051SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	273121	271655	272134	272303	0.27	cps
Vanadium	51-2	318754	319810	317572	318712	0.35	cps
Yttrium	89-1	28550197	28167770	28202347	28306772	0.75	cps
Yttrium	89-2	7025347	6920721	6987542	6977870	0.76	cps
Zinc	66-2	2044047	2046657	2068419	2053041	0.65	cps
Zirconium	90-1	105626	105905	105345	105625	0.27	cps
Zirconium	91-1	23819	23836	23863	23839	0.09	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-21	Instrumnet Name :	P7
Client Sample ID :	MH2GS1	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:17:35	DataFile Name :	052SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4418415	4462333	4456109	4445619	0.53	cps
Antimony	121-1	26905	26705	27036	26882	0.62	cps
Arsenic	75-2	27018	27051	26744	26938	0.63	cps
Barium	135-1	3860517	3909435	3917358	3895770	0.79	cps
Barium	137-1	6751675	6723669	6735351	6736899	0.21	cps
Beryllium	9-1	3350	2961	3078	3130	6.38	cps
Bismuth	209-1	18016407	18047083	17887664	17983718	0.47	cps
Bismuth	209-2	12842461	12897404	12889226	12876364	0.23	cps
Bromine	81-1	29282	29473	30615	29790	2.42	cps
Bromine	81-2	3254	3327	3500	3360	3.77	cps
Cadmium	108-1	4768	4971	5171	4970	4.06	cps
Cadmium	106-1	14801	14581	13857	14413	3.43	cps
Cadmium	111-1	78328	78202	77277	77936	0.74	cps
Calcium	43-1	6311140	6262754	6225472	6266456	0.69	cps
Calcium	44-1	102978292	101683998	101282085	101981458	0.87	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	134577	134385	133918	134293	0.25	cps
Cobalt	59-2	148980	150866	150482	150109	0.66	cps
Copper	63-2	1318209	1316265	1315476	1316650	0.11	cps
Dysprosium	156-1	225417	228940	227605	227321	0.78	cps
Dysprosium	156-2	169998	172568	172600	171722	0.87	cps
Erbium	164-1	210185	208013	209670	209289	0.54	cps
Erbium	164-2	132209	132855	132585	132550	0.24	cps
Gadolinium	160-1	222076	220865	221011	221317	0.30	cps
Gadolinium	160-2	148417	150166	148373	148985	0.69	cps
Holmium	165-1	28989123	28734670	29119781	28947858	0.68	cps
Holmium	165-2	18507676	18423188	18590771	18507212	0.45	cps
Indium	115-1	22124122	22197071	22071945	22131046	0.28	cps
Indium	115-2	7381174	7271117	7355749	7336014	0.79	cps
Iron	56-2	97268095	98306215	96865169	97479826	0.76	cps
Iron	57-2	2534649	2576020	2514193	2541621	1.24	cps
Iron	54-2	5292177	5271639	5298399	5287405	0.26	cps
Krypton	83-1	583	697	573	618	11.09	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-21	Instrumnet Name :	P7
Client Sample ID :	MH2GS1	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:17:35	DataFile Name :	052SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	20274299	20065555	20034473	20124776	0.65	cps
Lead	207-1	17562108	17653321	17351346	17522258	0.88	cps
Lead	208-1	80528968	80293682	79716558	80179736	0.52	cps
Lithium	6-1	2157269	2142313	2125311	2141631	0.75	cps
Magnesium	24-2	5045328	4987205	5040542	5024359	0.64	cps
Manganese	55-2	6512025	6577771	6486689	6525495	0.72	cps
Molybdenum	94-1	36652	36900	37384	36979	1.01	cps
Molybdenum	95-1	7489	7719	7565	7591	1.54	cps
Molybdenum	96-1	14350	14024	14207	14194	1.15	cps
Molybdenum	97-1	4801	4841	4594	4745	2.79	cps
Molybdenum	98-1	12082	12018	12118	12073	0.42	cps
Neodymium	150-1	361792	363867	367006	364222	0.72	cps
Neodymium	150-2	201903	198638	200149	200230	0.82	cps
Nickel	60-2	101660	101066	100559	101095	0.55	cps
Phosphorus	31-2	83063	83502	84002	83523	0.56	cps
Potassium	39-2	3031345	2993743	2974280	2999789	0.97	cps
Rhodium	103-1	20258509	20460312	20054654	20257825	1.00	cps
Rhodium	103-2	11947039	11846436	11823277	11872251	0.55	cps
Scandium	45-1	10874555	10789407	10833242	10832401	0.39	cps
Scandium	45-2	939360	936790	940948	939032	0.22	cps
Selenium	82-1	1279	1199	1206	1228	3.60	cps
Selenium	77-2	677	613	610	633	5.93	cps
Selenium	78-2	870	817	1000	896	10.53	cps
Silicon	28-1	75663862	75506612	74234456	75134977	1.04	cps
Silver	107-1	85315	85563	85869	85582	0.32	cps
Silver	109-1	82312	82754	81373	82146	0.86	cps
Sodium	23-2	480112	474539	479589	478080	0.64	cps
Strontium	86-1	2774367	2788928	2780876	2781390	0.26	cps
Strontium	88-1	24096515	24096264	24399556	24197445	0.72	cps
Sulfur	34-1	317277	316535	315501	316438	0.28	cps
Terbium	159-1	29238306	29356356	29301020	29298561	0.20	cps
Terbium	159-2	18082232	18062065	18065201	18069833	0.06	cps
Thallium	203-1	9210	8786	8913	8970	2.42	cps
Thallium	205-1	21697	20903	20980	21193	2.07	cps
Tin	118-1	183914	183679	182059	183217	0.55	cps
Titanium	47-1	270081	267681	266372	268045	0.70	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-21	Instrumnet Name :	P7
Client Sample ID :	MH2GS1	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:17:35	DataFile Name :	052SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	263469	262357	264980	263602	0.50	cps
Vanadium	51-2	315702	316960	316409	316357	0.20	cps
Yttrium	89-1	27924869	27861911	28027376	27938052	0.30	cps
Yttrium	89-2	6896936	6951857	6923524	6924106	0.40	cps
Zinc	66-2	1656872	1628782	1627972	1637875	1.00	cps
Zirconium	90-1	89467	89595	89708	89590	0.13	cps
Zirconium	91-1	20040	20131	19590	19920	1.45	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-22	Instrumnet Name :	P7
Client Sample ID :	MH2GS2	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:20:33	DataFile Name :	053SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4999781	4931813	4972667	4968087	0.69	cps
Antimony	121-1	24451	24922	24691	24688	0.95	cps
Arsenic	75-2	30986	31283	30067	30779	2.06	cps
Barium	135-1	3831663	3815283	3851599	3832848	0.47	cps
Barium	137-1	6655128	6660379	6594326	6636611	0.55	cps
Beryllium	9-1	3145	3106	3028	3093	1.92	cps
Bismuth	209-1	18094743	17815654	17911036	17940478	0.79	cps
Bismuth	209-2	12963982	12765602	12851264	12860283	0.77	cps
Bromine	81-1	38717	42066	42645	41143	5.15	cps
Bromine	81-2	5398	5638	5681	5572	2.74	cps
Cadmium	108-1	3594	3310	3490	3465	4.14	cps
Cadmium	106-1	12746	12302	12622	12557	1.82	cps
Cadmium	111-1	55847	56765	56144	56252	0.83	cps
Calcium	43-1	9160490	9037703	9092572	9096922	0.68	cps
Calcium	44-1	149513424	147922051	148093731	148509736	0.59	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	163067	166282	163751	164367	1.03	cps
Cobalt	59-2	164043	163453	163684	163727	0.18	cps
Copper	63-2	1004541	1001885	1002784	1003070	0.13	cps
Dysprosium	156-1	242757	243789	246559	244368	0.80	cps
Dysprosium	156-2	183411	182300	184424	183378	0.58	cps
Erbium	164-1	224074	223324	221567	222988	0.58	cps
Erbium	164-2	141790	141387	141818	141665	0.17	cps
Gadolinium	160-1	238214	242173	238201	239529	0.96	cps
Gadolinium	160-2	160532	160285	160788	160535	0.16	cps
Holmium	165-1	29524108	29143459	29060590	29242719	0.85	cps
Holmium	165-2	18399378	18205108	18645158	18416548	1.20	cps
Indium	115-1	22379654	22252477	22214229	22282120	0.39	cps
Indium	115-2	7178279	7287578	7232522	7232793	0.76	cps
Iron	56-2	110170178	109145442	109508698	109608106	0.47	cps
Iron	57-2	2867105	2899920	2884463	2883830	0.57	cps
Iron	54-2	5916518	5874667	5906386	5899191	0.37	cps
Krypton	83-1	603	550	603	586	5.26	cps

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-22	Instrumnet Name :	P7
Client Sample ID :	MH2GS2	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:20:33	DataFile Name :	053SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	12014266	12103128	12070896	12062764	0.37	cps
Lead	207-1	10358649	10362195	10340137	10353660	0.11	cps
Lead	208-1	47719021	47971962	47753170	47814718	0.29	cps
Lithium	6-1	2193859	2163232	2223934	2193675	1.38	cps
Magnesium	24-2	5855174	5848844	5856745	5853588	0.07	cps
Manganese	55-2	5036649	4991936	4982665	5003750	0.58	cps
Molybdenum	94-1	35420	36843	36245	36169	1.98	cps
Molybdenum	95-1	10380	10544	10524	10483	0.85	cps
Molybdenum	96-1	17287	17838	17270	17465	1.85	cps
Molybdenum	97-1	6338	6665	6425	6476	2.61	cps
Molybdenum	98-1	17000	17547	17077	17208	1.72	cps
Neodymium	150-1	401909	404192	399791	401964	0.55	cps
Neodymium	150-2	220654	217796	220825	219758	0.77	cps
Nickel	60-2	134694	133445	134883	134341	0.58	cps
Phosphorus	31-2	69858	70203	69547	69870	0.47	cps
Potassium	39-2	2727811	2708456	2749933	2728733	0.76	cps
Rhodium	103-1	20472366	20050601	20141116	20221361	1.10	cps
Rhodium	103-2	11734991	11775204	11785959	11765384	0.23	cps
Scandium	45-1	11135650	10922638	10733715	10930668	1.84	cps
Scandium	45-2	937060	933894	945216	938723	0.62	cps
Selenium	82-1	1284	1387	1270	1314	4.87	cps
Selenium	77-2	687	620	690	666	5.93	cps
Selenium	78-2	1050	910	933	964	7.78	cps
Silicon	28-1	74004994	73126674	73118472	73416713	0.69	cps
Silver	107-1	54077	55783	54234	54698	1.72	cps
Silver	109-1	52451	53605	52023	52693	1.55	cps
Sodium	23-2	468971	468080	464453	467168	0.51	cps
Strontium	86-1	3196225	3211624	3194362	3200737	0.30	cps
Strontium	88-1	27762540	27745750	27589489	27699260	0.34	cps
Sulfur	34-1	319156	317161	314320	316879	0.77	cps
Terbium	159-1	29960674	29315779	29038011	29438155	1.61	cps
Terbium	159-2	18024793	17798774	17964970	17929512	0.65	cps
Thallium	203-1	10995	11301	11265	11187	1.50	cps
Thallium	205-1	25617	26002	26466	26028	1.63	cps
Tin	118-1	128893	129159	128029	128694	0.46	cps
Titanium	47-1	243881	247073	243093	244682	0.86	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4956-22	Instrumnet Name :	P7
Client Sample ID :	MH2GS2	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:20:33	DataFile Name :	053SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	382836	388523	385516	385625	0.74	cps
Vanadium	51-2	376622	376816	374271	375903	0.38	cps
Yttrium	89-1	28369589	28139780	28001569	28170313	0.66	cps
Yttrium	89-2	6952607	6931692	6893561	6925954	0.43	cps
Zinc	66-2	967766	969038	969574	968793	0.10	cps
Zirconium	90-1	83214	83097	83003	83105	0.13	cps
Zirconium	91-1	18081	18552	18652	18428	1.65	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-01	Instrumnet Name :	P7
Client Sample ID :	MH2GQ3	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:23:35	DataFile Name :	054SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5489756	5455071	5462466	5469098	0.33	cps
Antimony	121-1	40313	40089	39822	40075	0.61	cps
Arsenic	75-2	29720	29302	29349	29457	0.78	cps
Barium	135-1	5413910	5327147	5368805	5369954	0.81	cps
Barium	137-1	9375635	9169772	9176368	9240592	1.27	cps
Beryllium	9-1	4234	4151	3812	4065	5.50	cps
Bismuth	209-1	17941733	17867185	17842294	17883738	0.29	cps
Bismuth	209-2	12889246	12709264	12738192	12778901	0.76	cps
Bromine	81-1	33288	35756	35700	34915	4.04	cps
Bromine	81-2	4084	4311	3867	4087	5.43	cps
Cadmium	108-1	5211	5268	5244	5241	0.54	cps
Cadmium	106-1	15105	15385	14848	15112	1.78	cps
Cadmium	111-1	82703	83995	82898	83198	0.84	cps
Calcium	43-1	8945767	9067988	8929193	8980983	0.84	cps
Calcium	44-1	144243588	146814441	143891348	144983126	1.10	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	171304	171550	172117	171657	0.24	cps
Cobalt	59-2	185120	185444	185211	185258	0.09	cps
Copper	63-2	1791233	1759651	1768973	1773286	0.92	cps
Dysprosium	156-1	249893	252950	254575	252473	0.94	cps
Dysprosium	156-2	190685	188777	188947	189470	0.56	cps
Erbium	164-1	232186	234405	235430	234007	0.71	cps
Erbium	164-2	148160	146243	146593	146999	0.69	cps
Gadolinium	160-1	245740	244736	246683	245719	0.40	cps
Gadolinium	160-2	165345	165090	164716	165050	0.19	cps
Holmium	165-1	29308220	29052850	28472420	28944497	1.48	cps
Holmium	165-2	18399150	18319123	18238868	18319047	0.44	cps
Indium	115-1	22371101	22168615	21973553	22171089	0.90	cps
Indium	115-2	7219935	7199947	7372158	7264013	1.30	cps
Iron	56-2	115493612	115982862	116064568	115847014	0.27	cps
Iron	57-2	3053168	3042204	3012472	3035948	0.69	cps
Iron	54-2	6229982	6269855	6259069	6252969	0.33	cps
Krypton	83-1	657	627	597	627	4.79	cps

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-01	Instrumnet Name :	P7
Client Sample ID :	MH2GQ3	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:23:35	DataFile Name :	054SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	25440504	25382350	25543070	25455308	0.32	cps
Lead	207-1	21529028	21949061	21748374	21742154	0.97	cps
Lead	208-1	99947084	100560759	100670529	100392791	0.39	cps
Lithium	6-1	2190559	2199649	2123320	2171176	1.92	cps
Magnesium	24-2	5550633	5426584	5546080	5507766	1.28	cps
Manganese	55-2	7865767	7819909	7876741	7854139	0.38	cps
Molybdenum	94-1	50393	50544	50296	50411	0.25	cps
Molybdenum	95-1	10841	11074	10784	10900	1.41	cps
Molybdenum	96-1	19961	19890	19910	19920	0.18	cps
Molybdenum	97-1	6415	6705	6521	6547	2.24	cps
Molybdenum	98-1	17384	16957	17260	17200	1.28	cps
Neodymium	150-1	398077	400662	401191	399977	0.42	cps
Neodymium	150-2	221155	218806	218668	219543	0.64	cps
Nickel	60-2	120024	119841	119281	119715	0.32	cps
Phosphorus	31-2	133600	132531	132985	133039	0.40	cps
Potassium	39-2	5215092	5126700	5145826	5162539	0.90	cps
Rhodium	103-1	20124150	19733090	20039039	19965426	1.03	cps
Rhodium	103-2	11782450	11561629	11780976	11708351	1.09	cps
Scandium	45-1	11145740	10765190	10824904	10911945	1.88	cps
Scandium	45-2	930351	935345	931858	932518	0.27	cps
Selenium	82-1	1385	1406	1339	1377	2.47	cps
Selenium	77-2	730	787	690	736	6.60	cps
Selenium	78-2	1037	980	1087	1034	5.16	cps
Silicon	28-1	75909961	75530039	75210187	75550062	0.46	cps
Silver	107-1	103505	103348	103243	103366	0.13	cps
Silver	109-1	98629	100569	98643	99280	1.12	cps
Sodium	23-2	629352	624930	627403	627228	0.35	cps
Strontium	86-1	4024792	4065186	3909934	3999971	2.01	cps
Strontium	88-1	35212117	35120074	34790592	35040928	0.63	cps
Sulfur	34-1	336201	333316	333402	334306	0.49	cps
Terbium	159-1	29598804	28953890	29198649	29250448	1.11	cps
Terbium	159-2	17886313	17954999	17983784	17941699	0.28	cps
Thallium	203-1	10027	10387	10067	10161	1.94	cps
Thallium	205-1	24298	24445	24516	24420	0.45	cps
Tin	118-1	342381	345189	344292	343954	0.42	cps
Titanium	47-1	328719	331214	330257	330063	0.38	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-01	Instrumnet Name :	P7
Client Sample ID :	MH2GQ3	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:23:35	DataFile Name :	054SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	335724	340678	341782	339395	0.95	cps
Vanadium	51-2	386765	386485	386268	386506	0.06	cps
Yttrium	89-1	28717113	28194195	28025142	28312150	1.27	cps
Yttrium	89-2	6914917	6881792	6991488	6929399	0.81	cps
Zinc	66-2	2033613	1974245	1990192	1999350	1.54	cps
Zirconium	90-1	119867	122156	121397	121140	0.96	cps
Zirconium	91-1	27052	26921	27245	27073	0.60	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-02	Instrumnet Name :	P7
Client Sample ID :	MH2GQ3D	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:26:34	DataFile Name :	055SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5492780	5452402	5450359	5465180	0.44	cps
Antimony	121-1	40336	40323	39725	40128	0.87	cps
Arsenic	75-2	29352	28704	29192	29083	1.16	cps
Barium	135-1	5438305	5434951	5350896	5408051	0.92	cps
Barium	137-1	9276029	9356288	9223131	9285150	0.72	cps
Beryllium	9-1	4134	4273	4084	4164	2.35	cps
Bismuth	209-1	17843959	17792470	17797423	17811284	0.16	cps
Bismuth	209-2	12680189	12911473	12675236	12755633	1.06	cps
Bromine	81-1	33151	34267	35038	34152	2.78	cps
Bromine	81-2	4077	4021	4171	4089	1.85	cps
Cadmium	108-1	5584	5408	5394	5462	1.94	cps
Cadmium	106-1	15325	15308	14734	15122	2.22	cps
Cadmium	111-1	81875	83726	82274	82625	1.18	cps
Calcium	43-1	9028085	9020291	9030584	9026320	0.06	cps
Calcium	44-1	147227338	145883881	147002048	146704422	0.49	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	171610	170323	169749	170561	0.56	cps
Cobalt	59-2	185005	184023	183841	184290	0.34	cps
Copper	63-2	1820549	1786046	1798928	1801841	0.97	cps
Dysprosium	156-1	253042	255638	253736	254139	0.53	cps
Dysprosium	156-2	191036	191018	189514	190523	0.46	cps
Erbium	164-1	233910	235994	236489	235464	0.58	cps
Erbium	164-2	150093	149642	147816	149184	0.81	cps
Gadolinium	160-1	248735	247097	249179	248337	0.44	cps
Gadolinium	160-2	166268	165614	166241	166041	0.22	cps
Holmium	165-1	28906580	28345251	28743343	28665058	1.01	cps
Holmium	165-2	18472581	18364112	18122221	18319638	0.98	cps
Indium	115-1	21574536	22255003	21996918	21942152	1.57	cps
Indium	115-2	7222261	7193752	7135265	7183759	0.62	cps
Iron	56-2	114520905	114589945	114837835	114649562	0.15	cps
Iron	57-2	3034583	2987753	3014680	3012339	0.78	cps
Iron	54-2	6346224	6154252	6202857	6234444	1.60	cps
Krypton	83-1	563	560	587	570	2.55	cps

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-02	Instrumnet Name :	P7
Client Sample ID :	MH2GQ3D	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:26:34	DataFile Name :	055SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	25967950	25638240	25441756	25682649	1.04	cps
Lead	207-1	22128298	22105863	21863850	22032670	0.67	cps
Lead	208-1	101697883	101670938	100679735	101349519	0.57	cps
Lithium	6-1	2175083	2209963	2166219	2183755	1.06	cps
Magnesium	24-2	5550125	5511128	5522252	5527835	0.36	cps
Manganese	55-2	7885268	7773045	7770073	7809462	0.84	cps
Molybdenum	94-1	50423	50523	50467	50471	0.10	cps
Molybdenum	95-1	10801	10747	10988	10845	1.16	cps
Molybdenum	96-1	20014	19844	20071	19976	0.59	cps
Molybdenum	97-1	6612	6732	6725	6689	1.01	cps
Molybdenum	98-1	17441	17334	17210	17328	0.66	cps
Neodymium	150-1	402157	407018	403722	404299	0.61	cps
Neodymium	150-2	219415	220392	219850	219885	0.22	cps
Nickel	60-2	121267	120538	120391	120732	0.39	cps
Phosphorus	31-2	133634	132336	132275	132748	0.58	cps
Potassium	39-2	5210044	5176720	5090893	5159219	1.19	cps
Rhodium	103-1	19697491	20002458	19809111	19836353	0.78	cps
Rhodium	103-2	11770379	11633177	11592402	11665319	0.80	cps
Scandium	45-1	10867927	10852246	10810722	10843631	0.27	cps
Scandium	45-2	931324	927685	931040	930016	0.22	cps
Selenium	82-1	1403	1448	1434	1428	1.58	cps
Selenium	77-2	633	760	683	692	9.22	cps
Selenium	78-2	1033	1057	1040	1043	1.15	cps
Silicon	28-1	77448416	77372132	77455079	77425209	0.06	cps
Silver	107-1	104878	103606	103770	104085	0.66	cps
Silver	109-1	99864	100113	100529	100169	0.34	cps
Sodium	23-2	626288	629711	628764	628254	0.28	cps
Strontium	86-1	4039823	4046633	4045878	4044111	0.09	cps
Strontium	88-1	35388388	35496304	35160501	35348398	0.48	cps
Sulfur	34-1	335200	335463	333450	334704	0.33	cps
Terbium	159-1	29198649	29095937	29212073	29168886	0.22	cps
Terbium	159-2	18029187	17798042	17783021	17870083	0.77	cps
Thallium	203-1	10327	10007	10277	10204	1.69	cps
Thallium	205-1	24202	24051	24419	24224	0.76	cps
Tin	118-1	347010	351528	352301	350280	0.82	cps
Titanium	47-1	332016	331809	329341	331055	0.45	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-02	Instrumnet Name :	P7
Client Sample ID :	MH2GQ3D	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:26:34	DataFile Name :	055SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	341606	341750	335364	339573	1.07	cps
Vanadium	51-2	383826	387154	387744	386241	0.55	cps
Yttrium	89-1	28262387	28100278	28033768	28132144	0.42	cps
Yttrium	89-2	7001041	6966122	6888606	6951923	0.83	cps
Zinc	66-2	2033024	1979275	1966800	1993033	1.77	cps
Zirconium	90-1	120858	122750	122469	122026	0.84	cps
Zirconium	91-1	27005	27058	27299	27121	0.58	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-01LX5	Instrumnet Name :	P7
Client Sample ID :	MH2GQ3L	Dilution Factor :	5
Date & Time Acquired :	2024-11-27 19:29:34	DataFile Name :	056SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1059869	1067350	1057751	1061657	0.48	cps
Antimony	121-1	7802	7922	7942	7889	0.96	cps
Arsenic	75-2	5858	5951	5701	5837	2.17	cps
Barium	135-1	1016301	1009115	1013097	1012838	0.36	cps
Barium	137-1	1790300	1767932	1781305	1779845	0.63	cps
Beryllium	9-1	883	767	872	841	7.66	cps
Bismuth	209-1	17445908	17288174	17386407	17373497	0.46	cps
Bismuth	209-2	12233793	12608076	12721252	12521040	2.04	cps
Bromine	81-1	19737	19273	19173	19394	1.55	cps
Bromine	81-2	870	787	863	840	5.51	cps
Cadmium	108-1	1057	1107	1120	1095	3.05	cps
Cadmium	106-1	8663	8463	8306	8477	2.11	cps
Cadmium	111-1	19895	19863	19474	19744	1.19	cps
Calcium	43-1	1751245	1722081	1727146	1733491	0.90	cps
Calcium	44-1	28251008	27850996	28153224	28085076	0.74	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	35442	35856	34814	35370	1.48	cps
Cobalt	59-2	36835	36451	36277	36521	0.78	cps
Copper	63-2	362448	360210	357193	359950	0.73	cps
Dysprosium	156-1	47724	48527	47503	47918	1.12	cps
Dysprosium	156-2	37002	36253	36347	36534	1.12	cps
Erbium	164-1	43645	43678	43106	43476	0.74	cps
Erbium	164-2	28586	29090	28686	28787	0.93	cps
Gadolinium	160-1	46918	46219	46269	46469	0.84	cps
Gadolinium	160-2	31689	32351	32478	32172	1.32	cps
Holmium	165-1	27921804	27749360	27725513	27798892	0.39	cps
Holmium	165-2	17248831	17797045	17956831	17667569	2.10	cps
Indium	115-1	21874584	21770721	21592365	21745890	0.66	cps
Indium	115-2	7001359	7133375	7215909	7116881	1.52	cps
Iron	56-2	22617635	22601487	22482726	22567282	0.33	cps
Iron	57-2	608486	613607	610246	610779	0.43	cps
Iron	54-2	1279022	1284659	1280103	1281261	0.23	cps
Krypton	83-1	427	310	407	381	16.37	cps

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-01LX5	Instrumnet Name :	P7
Client Sample ID :	MH2GQ3L	Dilution Factor :	5
Date & Time Acquired :	2024-11-27 19:29:34	DataFile Name :	056SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4871461	4822769	4851157	4848462	0.50	cps
Lead	207-1	4240164	4140890	4159129	4180061	1.26	cps
Lead	208-1	19112275	19136184	19029486	19092648	0.29	cps
Lithium	6-1	2109630	2134640	2079371	2107880	1.31	cps
Magnesium	24-2	1056478	1054561	1046145	1052395	0.52	cps
Manganese	55-2	1557007	1528850	1533236	1539698	0.98	cps
Molybdenum	94-1	10054	9573	9343	9657	3.75	cps
Molybdenum	95-1	2260	2314	2270	2281	1.24	cps
Molybdenum	96-1	4261	4017	4087	4122	3.04	cps
Molybdenum	97-1	1503	1510	1367	1460	5.54	cps
Molybdenum	98-1	3814	3771	3701	3762	1.52	cps
Neodymium	150-1	75326	75296	75648	75423	0.26	cps
Neodymium	150-2	42938	41975	42123	42346	1.23	cps
Nickel	60-2	27482	26840	27040	27121	1.21	cps
Phosphorus	31-2	26263	25795	26413	26157	1.23	cps
Potassium	39-2	1112657	1114619	1109577	1112284	0.23	cps
Rhodium	103-1	20226630	20216858	19949033	20130840	0.78	cps
Rhodium	103-2	11474939	11477202	11687988	11546710	1.06	cps
Scandium	45-1	10819915	10584802	10599783	10668167	1.23	cps
Scandium	45-2	888891	899084	919639	902538	1.74	cps
Selenium	82-1	778	947	734	820	13.69	cps
Selenium	77-2	143	143	110	132	14.56	cps
Selenium	78-2	523	587	523	544	6.72	cps
Silicon	28-1	15716108	15548658	15471359	15578708	0.80	cps
Silver	107-1	20328	20184	20177	20230	0.42	cps
Silver	109-1	18882	19079	19196	19053	0.83	cps
Sodium	23-2	172107	171311	170833	171417	0.38	cps
Strontium	86-1	764368	774142	761923	766811	0.84	cps
Strontium	88-1	6657662	6766783	6667442	6697296	0.90	cps
Sulfur	34-1	290924	293218	291861	292001	0.40	cps
Terbium	159-1	28384815	27977992	28244382	28202397	0.73	cps
Terbium	159-2	17013051	17120737	17419705	17184498	1.23	cps
Thallium	203-1	2327	2360	2270	2319	1.96	cps
Thallium	205-1	5801	5698	5565	5688	2.09	cps
Tin	118-1	68512	68143	67752	68136	0.56	cps
Titanium	47-1	63248	63292	63402	63314	0.13	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-01LX5	Instrumnet Name :	P7
Client Sample ID :	MH2GQ3L	Dilution Factor :	5
Date & Time Acquired :	2024-11-27 19:29:34	DataFile Name :	056SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	62774	63447	63353	63191	0.58	cps
Vanadium	51-2	74992	75089	74921	75001	0.11	cps
Yttrium	89-1	25178796	25661598	24961295	25267230	1.42	cps
Yttrium	89-2	6052884	6141681	6240177	6144914	1.52	cps
Zinc	66-2	402346	396652	398882	399293	0.72	cps
Zirconium	90-1	23135	23489	22477	23034	2.23	cps
Zirconium	91-1	5114	4881	5144	5046	2.86	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-03	Instrumnet Name :	P7
Client Sample ID :	MH2GQ3S	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:32:41	DataFile Name :	057SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5693332	5677562	5608968	5659954	0.79	cps
Antimony	121-1	525675	530118	536713	530836	1.05	cps
Arsenic	75-2	38660	37842	38674	38392	1.24	cps
Barium	135-1	7696952	7730393	7695293	7707546	0.26	cps
Barium	137-1	13372846	13483931	13531854	13462877	0.61	cps
Beryllium	9-1	25788	24976	25009	25258	1.82	cps
Bismuth	209-1	17404118	17358373	17409009	17390500	0.16	cps
Bismuth	209-2	12662666	12485556	12727974	12625398	0.99	cps
Bromine	81-1	32660	32867	34343	33290	2.76	cps
Bromine	81-2	3721	3901	4274	3965	7.12	cps
Cadmium	108-1	9350	9733	9440	9508	2.11	cps
Cadmium	106-1	20598	20598	20618	20605	0.06	cps
Cadmium	111-1	145292	144300	144358	144650	0.38	cps
Calcium	43-1	8897314	8876620	8756426	8843453	0.86	cps
Calcium	44-1	143898088	143351325	142661805	143303739	0.43	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	531414	533864	527261	530846	0.63	cps
Cobalt	59-2	1644176	1581968	1601356	1609167	1.98	cps
Copper	63-2	2274783	2260764	2272090	2269212	0.33	cps
Dysprosium	156-1	249297	249263	252543	250367	0.75	cps
Dysprosium	156-2	189906	187885	189328	189040	0.55	cps
Erbium	164-1	230108	230091	228899	229699	0.30	cps
Erbium	164-2	147705	148049	146637	147464	0.50	cps
Gadolinium	160-1	241639	243949	245169	243586	0.74	cps
Gadolinium	160-2	163877	162756	163458	163364	0.35	cps
Holmium	165-1	28206052	28463079	28274355	28314495	0.47	cps
Holmium	165-2	18098374	17998751	18086669	18061264	0.30	cps
Indium	115-1	21815891	21640996	21566988	21674625	0.59	cps
Indium	115-2	7145116	7110199	7163900	7139738	0.38	cps
Iron	56-2	117076955	116577355	116596795	116750368	0.24	cps
Iron	57-2	3120024	3081475	3068594	3090031	0.87	cps
Iron	54-2	6402497	6409602	6363993	6392031	0.38	cps
Krypton	83-1	560	573	593	576	2.91	cps

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-03	Instrumnet Name :	P7
Client Sample ID :	MH2GQ3S	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:32:41	DataFile Name :	057SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	24630304	25061515	25219958	24970592	1.22	cps
Lead	207-1	21137749	21528840	21592349	21419646	1.15	cps
Lead	208-1	97490282	98826388	98821886	98379519	0.78	cps
Lithium	6-1	2150938	2126578	2114760	2130759	0.87	cps
Magnesium	24-2	5578016	5514528	5557899	5550147	0.58	cps
Manganese	55-2	8437658	8477604	8458382	8457881	0.24	cps
Molybdenum	94-1	49687	49283	49798	49589	0.55	cps
Molybdenum	95-1	10587	10607	10761	10652	0.89	cps
Molybdenum	96-1	18962	19567	19690	19406	2.01	cps
Molybdenum	97-1	6685	6562	6545	6597	1.16	cps
Molybdenum	98-1	16259	16953	16970	16727	2.43	cps
Neodymium	150-1	392601	399139	400106	397282	1.03	cps
Neodymium	150-2	219982	218470	216652	218368	0.76	cps
Nickel	60-2	617994	615997	615656	616549	0.20	cps
Phosphorus	31-2	131465	131579	129905	130983	0.71	cps
Potassium	39-2	5186870	5215767	5227887	5210175	0.40	cps
Rhodium	103-1	19646399	19686946	19618643	19650663	0.17	cps
Rhodium	103-2	11576612	11356686	11477746	11470348	0.96	cps
Scandium	45-1	10785342	10703977	10652686	10714002	0.62	cps
Scandium	45-2	924876	919473	925985	923445	0.38	cps
Selenium	82-1	8808	8806	8980	8865	1.13	cps
Selenium	77-2	1367	1360	1417	1381	2.24	cps
Selenium	78-2	3484	3507	3390	3460	1.78	cps
Silicon	28-1	79418580	78635124	78697925	78917210	0.55	cps
Silver	107-1	408991	416878	412197	412688	0.96	cps
Silver	109-1	393755	394847	397214	395272	0.45	cps
Sodium	23-2	620616	618685	617589	618963	0.25	cps
Strontium	86-1	3930466	3980053	3959655	3956725	0.63	cps
Strontium	88-1	34384501	34372308	35025295	34594035	1.08	cps
Sulfur	34-1	334703	330595	329329	331542	0.85	cps
Terbium	159-1	28658678	28502153	28593409	28584747	0.28	cps
Terbium	159-2	17779002	17704777	17635133	17706304	0.41	cps
Thallium	203-1	251348	252829	252120	252099	0.29	cps
Thallium	205-1	589436	603275	605323	599344	1.44	cps
Tin	118-1	333963	340194	334546	336234	1.02	cps
Titanium	47-1	332331	333643	330748	332240	0.44	cps

Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-03	Instrumnet Name :	P7
Client Sample ID :	MH2GQ3S	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:32:41	DataFile Name :	057SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	328952	336142	335980	333691	1.23	cps
Vanadium	51-2	1148598	1151777	1145496	1148624	0.27	cps
Yttrium	89-1	27917957	27529106	27854444	27767169	0.75	cps
Yttrium	89-2	6920998	6797999	6828044	6849013	0.94	cps
Zinc	66-2	2179383	2128022	2169148	2158851	1.26	cps
Zirconium	90-1	117438	120066	119831	119112	1.22	cps
Zirconium	91-1	25435	26681	26634	26250	2.69	cps

Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-04	Instrumnet Name :	P7
Client Sample ID :	MH2GS3	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:35:40	DataFile Name :	058SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5914692	5895545	5967952	5926063	0.63	cps
Antimony	121-1	18011	17995	17561	17856	1.43	cps
Arsenic	75-2	23973	23465	23392	23610	1.34	cps
Barium	135-1	5151759	5172450	5189033	5171081	0.36	cps
Barium	137-1	8843852	8875286	8899994	8873044	0.32	cps
Beryllium	9-1	3250	3128	3195	3191	1.92	cps
Bismuth	209-1	17758609	17486929	17174874	17473471	1.67	cps
Bismuth	209-2	12573986	12314336	12505223	12464515	1.08	cps
Bromine	81-1	42033	44614	45851	44166	4.41	cps
Bromine	81-2	6565	6331	6598	6498	2.24	cps
Cadmium	108-1	2670	2717	2760	2716	1.66	cps
Cadmium	106-1	11858	11348	11741	11649	2.30	cps
Cadmium	111-1	44933	45525	45343	45267	0.67	cps
Calcium	43-1	12531655	12547906	12570018	12549860	0.15	cps
Calcium	44-1	203095404	202225930	203052917	202791417	0.24	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	149280	149926	151361	150189	0.71	cps
Cobalt	59-2	197089	195966	196087	196380	0.31	cps
Copper	63-2	816232	808467	813404	812701	0.48	cps
Dysprosium	156-1	291355	295083	292912	293117	0.64	cps
Dysprosium	156-2	221590	221001	225633	222741	1.13	cps
Erbium	164-1	259435	268881	266303	264873	1.84	cps
Erbium	164-2	168770	170406	169026	169401	0.52	cps
Gadolinium	160-1	285304	288764	288300	287456	0.65	cps
Gadolinium	160-2	196204	193920	195309	195144	0.59	cps
Holmium	165-1	28866414	28509364	28199247	28525008	1.17	cps
Holmium	165-2	18165590	18047037	18065700	18092776	0.35	cps
Indium	115-1	22244103	21589892	21544792	21792929	1.80	cps
Indium	115-2	7127630	7179717	7235878	7181075	0.75	cps
Iron	56-2	140288728	140552945	141080511	140640728	0.29	cps
Iron	57-2	3747568	3694620	3756079	3732756	0.89	cps
Iron	54-2	7643848	7627357	7660826	7644010	0.22	cps
Krypton	83-1	647	623	673	648	3.86	cps

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-04	Instrumnet Name :	P7
Client Sample ID :	MH2GS3	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:35:40	DataFile Name :	058SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	7499318	7656738	7452025	7536027	1.42	cps
Lead	207-1	6483508	6556273	6517907	6519230	0.56	cps
Lead	208-1	29747775	30260630	29759530	29922645	0.98	cps
Lithium	6-1	2147237	2020076	2024708	2064007	3.49	cps
Magnesium	24-2	7309082	7345417	7348983	7334494	0.30	cps
Manganese	55-2	5089967	5019222	5056042	5055077	0.70	cps
Molybdenum	94-1	45317	46233	45360	45636	1.13	cps
Molybdenum	95-1	16673	16720	16836	16743	0.50	cps
Molybdenum	96-1	24831	25285	25035	25050	0.91	cps
Molybdenum	97-1	9873	10501	10440	10271	3.37	cps
Molybdenum	98-1	26738	27115	26955	26936	0.70	cps
Neodymium	150-1	494301	498388	494719	495802	0.45	cps
Neodymium	150-2	273788	272233	275570	273863	0.61	cps
Nickel	60-2	165683	165951	166534	166056	0.26	cps
Phosphorus	31-2	70511	70993	70250	70585	0.53	cps
Potassium	39-2	2619471	2592450	2667560	2626494	1.45	cps
Rhodium	103-1	20104745	19404559	19376487	19628597	2.10	cps
Rhodium	103-2	11331842	11369879	11392723	11364815	0.27	cps
Scandium	45-1	11015719	10704860	10618870	10779816	1.94	cps
Scandium	45-2	933081	931665	935485	933410	0.21	cps
Selenium	82-1	1288	1239	1222	1249	2.75	cps
Selenium	77-2	790	850	753	798	6.12	cps
Selenium	78-2	1003	1097	1070	1057	4.55	cps
Silicon	28-1	69916032	70090599	70214742	70073791	0.21	cps
Silver	107-1	39082	39494	39016	39197	0.66	cps
Silver	109-1	38474	38083	38341	38299	0.52	cps
Sodium	23-2	600307	596950	602717	599991	0.48	cps
Strontium	86-1	4371783	4393758	4399193	4388245	0.33	cps
Strontium	88-1	38156933	38648677	38261478	38355696	0.68	cps
Sulfur	34-1	325829	325327	324948	325368	0.14	cps
Terbium	159-1	29574507	28662696	28519559	28918921	1.98	cps
Terbium	159-2	17894368	17695182	17769313	17786288	0.57	cps
Thallium	203-1	12085	12566	12229	12293	2.01	cps
Thallium	205-1	28590	29656	29155	29133	1.83	cps
Tin	118-1	109875	111011	110261	110382	0.52	cps
Titanium	47-1	287751	288998	287164	287971	0.33	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-04	Instrumnet Name :	P7
Client Sample ID :	MH2GS3	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:35:40	DataFile Name :	058SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	455189	466123	463332	461548	1.23	cps
Vanadium	51-2	547000	542768	548930	546233	0.58	cps
Yttrium	89-1	28704709	27882632	28102576	28229972	1.51	cps
Yttrium	89-2	6920183	6895404	6945402	6920329	0.36	cps
Zinc	66-2	711294	711529	711402	711408	0.02	cps
Zirconium	90-1	97055	97621	97994	97557	0.48	cps
Zirconium	91-1	21162	21983	22307	21817	2.71	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-05	Instrumnet Name :	P7
Client Sample ID :	MH2GS4	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:38:41	DataFile Name :	059SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4980021	4970815	4929280	4960039	0.55	cps
Antimony	121-1	27136	28909	28428	28158	3.26	cps
Arsenic	75-2	17193	17150	16936	17093	0.80	cps
Barium	135-1	3550626	3620144	3602511	3591094	1.01	cps
Barium	137-1	6122977	6157782	6117524	6132761	0.36	cps
Beryllium	9-1	3250	2956	2967	3058	5.46	cps
Bismuth	209-1	17668930	17604600	17744665	17672732	0.40	cps
Bismuth	209-2	12797590	13176431	12781752	12918591	1.73	cps
Bromine	81-1	26337	27335	27302	26991	2.10	cps
Bromine	81-2	2747	2600	2574	2640	3.54	cps
Cadmium	108-1	4387	4424	4397	4403	0.43	cps
Cadmium	106-1	13630	13550	13376	13519	0.96	cps
Cadmium	111-1	61855	62556	62480	62297	0.62	cps
Calcium	43-1	5396135	5386328	5366553	5383006	0.28	cps
Calcium	44-1	86678989	88226915	87092799	87332901	0.92	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	248285	249816	248214	248771	0.36	cps
Cobalt	59-2	146053	157460	146446	149986	4.32	cps
Copper	63-2	1166288	1214751	1172150	1184396	2.23	cps
Dysprosium	156-1	211471	213133	210162	211588	0.70	cps
Dysprosium	156-2	161304	161489	160054	160949	0.49	cps
Erbium	164-1	191061	193019	192922	192334	0.57	cps
Erbium	164-2	123537	120783	123409	122577	1.27	cps
Gadolinium	160-1	202678	203538	205146	203787	0.61	cps
Gadolinium	160-2	139739	138362	136719	138273	1.09	cps
Holmium	165-1	28355297	28645188	28083630	28361372	0.99	cps
Holmium	165-2	18316893	19104100	18220206	18547066	2.61	cps
Indium	115-1	21815227	21979437	21911265	21901976	0.38	cps
Indium	115-2	7192244	7474426	7246642	7304437	2.05	cps
Iron	56-2	137037415	137171155	136992751	137067107	0.07	cps
Iron	57-2	3494281	3495493	3457541	3482438	0.62	cps
Iron	54-2	7500983	7396576	7474953	7457504	0.73	cps
Krypton	83-1	593	543	607	581	5.75	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-05	Instrumnet Name :	P7
Client Sample ID :	MH2GS4	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:38:41	DataFile Name :	059SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	15150269	15032246	15138634	15107050	0.43	cps
Lead	207-1	12948945	12910201	12917631	12925592	0.16	cps
Lead	208-1	59411867	59546272	59919677	59625939	0.44	cps
Lithium	6-1	2068127	2072358	2044762	2061749	0.72	cps
Magnesium	24-2	6680955	7145894	6657093	6827981	4.04	cps
Manganese	55-2	8385438	8357363	8433897	8392233	0.46	cps
Molybdenum	94-1	54877	55822	56609	55769	1.56	cps
Molybdenum	95-1	14090	13807	13500	13799	2.14	cps
Molybdenum	96-1	23789	24127	24023	23980	0.72	cps
Molybdenum	97-1	8879	8749	8609	8746	1.54	cps
Molybdenum	98-1	22754	22337	22444	22512	0.96	cps
Neodymium	150-1	341932	345064	346541	344512	0.68	cps
Neodymium	150-2	190053	189532	188100	189228	0.53	cps
Nickel	60-2	99495	103122	98753	100457	2.33	cps
Phosphorus	31-2	99692	99397	100597	99895	0.63	cps
Potassium	39-2	4082977	4149923	4059115	4097338	1.15	cps
Rhodium	103-1	20129905	19840886	20046127	20005639	0.74	cps
Rhodium	103-2	11670864	12046239	11642897	11786666	1.91	cps
Scandium	45-1	10476278	10628035	10548029	10550781	0.72	cps
Scandium	45-2	934921	946324	928229	936491	0.98	cps
Selenium	82-1	1267	1346	1153	1255	7.73	cps
Selenium	77-2	597	600	543	580	5.48	cps
Selenium	78-2	990	1070	1060	1040	4.19	cps
Silicon	28-1	83447594	83721417	82569900	83246304	0.72	cps
Silver	107-1	63468	63488	63772	63576	0.27	cps
Silver	109-1	60716	60107	61044	60623	0.78	cps
Sodium	23-2	570526	938448	589614	699529	29.61	cps
Strontium	86-1	2943258	2932052	2938946	2938085	0.19	cps
Strontium	88-1	25586824	25585950	25491356	25554710	0.21	cps
Sulfur	34-1	342628	342542	339768	341646	0.48	cps
Terbium	159-1	28765068	29134956	28676741	28858922	0.84	cps
Terbium	159-2	18095395	18199795	17945310	18080167	0.71	cps
Thallium	203-1	8503	8613	8596	8571	0.69	cps
Thallium	205-1	20689	21283	20579	20851	1.82	cps
Tin	118-1	283225	291384	286807	287139	1.42	cps
Titanium	47-1	500706	499749	501902	500785	0.22	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-05	Instrumnet Name :	P7
Client Sample ID :	MH2GS4	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:38:41	DataFile Name :	059SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	210236	214713	213212	212720	1.07	cps
Vanadium	51-2	311763	318752	312415	314310	1.23	cps
Yttrium	89-1	27280711	27463573	27536799	27427028	0.48	cps
Yttrium	89-2	6845764	6974908	6699763	6840145	2.01	cps
Zinc	66-2	2776364	2728658	2706963	2737328	1.30	cps
Zirconium	90-1	128584	129622	129800	129335	0.51	cps
Zirconium	91-1	28865	29493	29242	29200	1.08	cps

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On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-06	Instrumnet Name :	P7
Client Sample ID :	MH2GS5	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:41:42	DataFile Name :	060SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4524553	4539397	4560219	4541390	0.39	cps
Antimony	121-1	28598	29303	29530	29144	1.67	cps
Arsenic	75-2	35376	35419	34527	35107	1.43	cps
Barium	135-1	3290429	3306956	3281087	3292824	0.40	cps
Barium	137-1	5744399	5699092	5645881	5696457	0.87	cps
Beryllium	9-1	2984	2973	2895	2950	1.64	cps
Bismuth	209-1	17858257	17993888	17880817	17910988	0.41	cps
Bismuth	209-2	12749576	12902982	12927561	12860040	0.75	cps
Bromine	81-1	29085	31260	31317	30554	4.16	cps
Bromine	81-2	3564	3564	3557	3562	0.11	cps
Cadmium	108-1	4884	4921	5271	5025	4.25	cps
Cadmium	106-1	14951	14721	14254	14642	2.43	cps
Cadmium	111-1	78653	79468	77679	78600	1.14	cps
Calcium	43-1	5988744	6016760	5970536	5992014	0.39	cps
Calcium	44-1	97804665	98288515	97015285	97702822	0.66	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	134184	136175	134846	135068	0.75	cps
Cobalt	59-2	157345	156419	157382	157049	0.35	cps
Copper	63-2	1652945	1618976	1631698	1634540	1.05	cps
Dysprosium	156-1	230158	233347	230573	231359	0.75	cps
Dysprosium	156-2	176603	176841	176237	176560	0.17	cps
Erbium	164-1	208377	211874	211436	210562	0.90	cps
Erbium	164-2	135446	135049	136317	135604	0.48	cps
Gadolinium	160-1	224440	226905	226574	225973	0.59	cps
Gadolinium	160-2	153410	151762	152884	152685	0.55	cps
Holmium	165-1	28969259	29101270	28674240	28914923	0.76	cps
Holmium	165-2	18706503	18630632	18637361	18658165	0.23	cps
Indium	115-1	22101072	22471742	22187437	22253417	0.87	cps
Indium	115-2	7423819	7309998	7342357	7358725	0.80	cps
Iron	56-2	113868118	113475698	112650528	113331448	0.55	cps
Iron	57-2	2932949	2913675	2924332	2923652	0.33	cps
Iron	54-2	6188238	6211909	6192026	6197391	0.21	cps
Krypton	83-1	453	500	583	512	12.86	cps

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-06	Instrumnet Name :	P7
Client Sample ID :	MH2GS5	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:41:42	DataFile Name :	060SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	15095373	15368998	15022429	15162267	1.21	cps
Lead	207-1	12998246	13305531	13135004	13146260	1.17	cps
Lead	208-1	59927912	60964370	60174358	60355547	0.90	cps
Lithium	6-1	2106665	2095810	2033918	2078797	1.89	cps
Magnesium	24-2	5163778	5154725	5120016	5146173	0.45	cps
Manganese	55-2	6323190	6330758	6260028	6304659	0.62	cps
Molybdenum	94-1	40332	40493	40459	40428	0.21	cps
Molybdenum	95-1	8216	8436	8042	8231	2.40	cps
Molybdenum	96-1	15725	15225	15799	15583	2.00	cps
Molybdenum	97-1	5071	5524	5254	5283	4.32	cps
Molybdenum	98-1	13376	13380	13176	13311	0.88	cps
Neodymium	150-1	379025	382165	380417	380536	0.41	cps
Neodymium	150-2	210108	208772	208617	209166	0.39	cps
Nickel	60-2	115024	115497	116294	115605	0.56	cps
Phosphorus	31-2	77073	76841	76979	76964	0.15	cps
Potassium	39-2	3427550	3403377	3470443	3433790	0.99	cps
Rhodium	103-1	20277984	20229104	20202418	20236502	0.19	cps
Rhodium	103-2	12058854	11842261	12055836	11985650	1.04	cps
Scandium	45-1	10851138	10849568	10707004	10802570	0.77	cps
Scandium	45-2	952890	941455	937970	944105	0.83	cps
Selenium	82-1	1547	1420	1180	1382	13.49	cps
Selenium	77-2	637	650	663	650	2.05	cps
Selenium	78-2	907	960	1023	963	6.06	cps
Silicon	28-1	70171886	70008679	68761372	69647312	1.11	cps
Silver	107-1	82794	84159	82576	83176	1.03	cps
Silver	109-1	80046	80451	79007	79835	0.93	cps
Sodium	23-2	450976	453572	456579	453709	0.62	cps
Strontium	86-1	2515898	2475839	2511721	2501152	0.88	cps
Strontium	88-1	21901491	22146993	22107621	22052035	0.60	cps
Sulfur	34-1	303201	303496	302399	303032	0.19	cps
Terbium	159-1	29115429	29248105	29317882	29227138	0.35	cps
Terbium	159-2	18381406	18191627	18299181	18290738	0.52	cps
Thallium	203-1	9874	10334	9720	9976	3.20	cps
Thallium	205-1	23350	23868	23393	23537	1.22	cps
Tin	118-1	258843	262644	260493	260660	0.73	cps
Titanium	47-1	308858	309607	307207	308557	0.40	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-06	Instrumnet Name :	P7
Client Sample ID :	MH2GS5	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:41:42	DataFile Name :	060SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	242805	244350	245398	244184	0.53	cps
Vanadium	51-2	330232	332154	326845	329744	0.82	cps
Yttrium	89-1	27997024	28211051	27949257	28052444	0.50	cps
Yttrium	89-2	7041029	6984999	7023228	7016419	0.41	cps
Zinc	66-2	1484523	1482291	1474480	1480431	0.36	cps
Zirconium	90-1	96685	97544	96545	96925	0.56	cps
Zirconium	91-1	21052	21770	21916	21579	2.14	cps

Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-07	Instrumnet Name :	P7
Client Sample ID :	MH2GS6	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:44:39	DataFile Name :	061SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4799364	4816264	4820649	4812093	0.23	cps
Antimony	121-1	24414	25082	25336	24944	1.91	cps
Arsenic	75-2	25532	25268	24901	25234	1.26	cps
Barium	135-1	3770271	3768226	3747645	3762047	0.33	cps
Barium	137-1	6464780	6506586	6420265	6463877	0.67	cps
Beryllium	9-1	2684	3028	2672	2795	7.23	cps
Bismuth	209-1	18232311	17785727	17556441	17858160	1.92	cps
Bismuth	209-2	12736382	11212299	11424789	11791156	7.00	cps
Bromine	81-1	42849	45062	46797	44903	4.41	cps
Bromine	81-2	6415	6391	6341	6383	0.59	cps
Cadmium	108-1	2524	2590	2520	2545	1.55	cps
Cadmium	106-1	11752	11408	11318	11492	1.99	cps
Cadmium	111-1	42805	42859	42607	42757	0.31	cps
Calcium	43-1	11310249	11384785	11180585	11291873	0.92	cps
Calcium	44-1	182654471	184784644	183276777	183571964	0.60	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	135583	138343	135014	136313	1.31	cps
Cobalt	59-2	168376	170634	169111	169374	0.68	cps
Copper	63-2	832496	838730	836949	836058	0.38	cps
Dysprosium	156-1	289014	294624	292770	292136	0.98	cps
Dysprosium	156-2	219742	221886	223930	221852	0.94	cps
Erbium	164-1	260426	264621	265720	263589	1.06	cps
Erbium	164-2	168890	168071	170206	169056	0.64	cps
Gadolinium	160-1	283933	286062	285727	285241	0.40	cps
Gadolinium	160-2	191599	194900	193038	193179	0.86	cps
Holmium	165-1	29504376	29197747	28776781	29159635	1.25	cps
Holmium	165-2	18535717	16107682	16536066	17059821	7.60	cps
Indium	115-1	22651365	21991957	22203333	22282218	1.51	cps
Indium	115-2	7335404	6321152	6549665	6735407	7.90	cps
Iron	56-2	102292675	101855035	101789278	101978996	0.27	cps
Iron	57-2	2736398	2746626	2709917	2730980	0.69	cps
Iron	54-2	5601883	5550539	5558055	5570159	0.50	cps
Krypton	83-1	597	673	560	610	9.48	cps

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-07	Instrumnet Name :	P7
Client Sample ID :	MH2GS6	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:44:39	DataFile Name :	061SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4958443	5030113	5008117	4998891	0.73	cps
Lead	207-1	4320464	4356815	4342879	4340053	0.42	cps
Lead	208-1	19700366	19888496	19900212	19829691	0.57	cps
Lithium	6-1	2190721	2050476	2094825	2112007	3.39	cps
Magnesium	24-2	5748823	5825844	5776197	5783621	0.68	cps
Manganese	55-2	4674859	4684068	4723240	4694055	0.55	cps
Molybdenum	94-1	42963	43224	43491	43226	0.61	cps
Molybdenum	95-1	10474	10224	10724	10474	2.39	cps
Molybdenum	96-1	17901	18168	18245	18105	1.00	cps
Molybdenum	97-1	6381	6265	6458	6368	1.53	cps
Molybdenum	98-1	16259	17214	16643	16705	2.87	cps
Neodymium	150-1	478871	488576	485813	484420	1.03	cps
Neodymium	150-2	268797	269826	268673	269099	0.24	cps
Nickel	60-2	146340	146260	144792	145797	0.60	cps
Phosphorus	31-2	78771	78738	78158	78556	0.44	cps
Potassium	39-2	2836017	2895606	2836867	2856163	1.20	cps
Rhodium	103-1	20383553	20073656	20243965	20233724	0.77	cps
Rhodium	103-2	11863420	10186557	10345286	10798421	8.57	cps
Scandium	45-1	11206127	10907306	10875592	10996342	1.66	cps
Scandium	45-2	944289	823871	834343	867501	7.69	cps
Selenium	82-1	1484	1287	1403	1391	7.10	cps
Selenium	77-2	867	717	790	791	9.48	cps
Selenium	78-2	987	1033	1223	1081	11.60	cps
Silicon	28-1	71502176	70466677	70632211	70867021	0.78	cps
Silver	107-1	35520	35640	36643	35934	1.72	cps
Silver	109-1	34722	33763	34671	34385	1.57	cps
Sodium	23-2	445305	445261	445348	445305	0.01	cps
Strontium	86-1	3518976	3593205	3515738	3542639	1.24	cps
Strontium	88-1	30911828	31099844	30785025	30932232	0.51	cps
Sulfur	34-1	314255	313593	314606	314151	0.16	cps
Terbium	159-1	29570715	29535356	29501389	29535820	0.12	cps
Terbium	159-2	18286601	15674363	16145216	16702060	8.34	cps
Thallium	203-1	8843	9307	8840	8996	2.99	cps
Thallium	205-1	21848	21898	21404	21716	1.25	cps
Tin	118-1	89465	89962	89603	89677	0.29	cps
Titanium	47-1	190058	192427	191339	191275	0.62	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-07	Instrumnet Name :	P7
Client Sample ID :	MH2GS6	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:44:39	DataFile Name :	061SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	329001	333538	335759	332766	1.04	cps
Vanadium	51-2	403245	410126	404106	405826	0.92	cps
Yttrium	89-1	29458120	29028108	28438741	28974990	1.77	cps
Yttrium	89-2	7171413	6230592	6401208	6601071	7.59	cps
Zinc	66-2	456406	459925	459386	458572	0.41	cps
Zirconium	90-1	101820	103068	102706	102531	0.63	cps
Zirconium	91-1	22514	22324	22774	22537	1.00	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-08	Instrumnet Name :	P7
Client Sample ID :	MH2GS7	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:47:42	DataFile Name :	062SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5346427	5401702	5278718	5342282	1.15	cps
Antimony	121-1	11728	11688	11738	11718	0.23	cps
Arsenic	75-2	12779	12956	13283	13006	1.97	cps
Barium	135-1	4975266	5054714	5109639	5046540	1.34	cps
Barium	137-1	8703528	8742534	8592941	8679667	0.89	cps
Beryllium	9-1	2817	2861	2895	2858	1.37	cps
Bismuth	209-1	17692364	17636776	17372525	17567222	0.97	cps
Bismuth	209-2	12587056	12548075	12503246	12546126	0.33	cps
Bromine	81-1	48780	52714	53704	51733	5.03	cps
Bromine	81-2	7572	7762	7886	7740	2.04	cps
Cadmium	108-1	1927	1953	1850	1910	2.81	cps
Cadmium	106-1	10821	10871	10187	10626	3.59	cps
Cadmium	111-1	32293	33371	32200	32621	2.00	cps
Calcium	43-1	16866777	16711098	16751365	16776414	0.48	cps
Calcium	44-1	274978396	270576463	270705983	272086947	0.92	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	126559	126458	128145	127054	0.74	cps
Cobalt	59-2	188546	187216	187165	187642	0.42	cps
Copper	63-2	419718	416383	413135	416412	0.79	cps
Dysprosium	156-1	261945	266733	262689	263789	0.98	cps
Dysprosium	156-2	196558	196196	195934	196229	0.16	cps
Erbium	164-1	242659	246967	246675	245434	0.98	cps
Erbium	164-2	155724	154713	153654	154697	0.67	cps
Gadolinium	160-1	261781	264088	260120	261996	0.76	cps
Gadolinium	160-2	174813	173882	174865	174520	0.32	cps
Holmium	165-1	30073827	28678510	28809262	29187200	2.64	cps
Holmium	165-2	18459751	18307876	18280883	18349503	0.53	cps
Indium	115-1	22392638	22080796	21905874	22126436	1.11	cps
Indium	115-2	7294594	7360928	7258973	7304832	0.71	cps
Iron	56-2	123880241	124186788	124041451	124036160	0.12	cps
Iron	57-2	3397876	3420126	3365169	3394390	0.81	cps
Iron	54-2	6737518	6732346	6735890	6735251	0.04	cps
Krypton	83-1	583	610	680	624	8.00	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-08	Instrumnet Name :	P7
Client Sample ID :	MH2GS7	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:47:42	DataFile Name :	062SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1544640	1569925	1559523	1558029	0.82	cps
Lead	207-1	1297334	1309654	1322762	1309917	0.97	cps
Lead	208-1	6036884	6118606	6094324	6083271	0.69	cps
Lithium	6-1	2081211	2083992	2088808	2084670	0.18	cps
Magnesium	24-2	7115142	7165346	7025586	7102025	1.00	cps
Manganese	55-2	3819569	3853432	3864854	3845952	0.61	cps
Molybdenum	94-1	35356	36044	36018	35806	1.09	cps
Molybdenum	95-1	13246	13269	13366	13294	0.48	cps
Molybdenum	96-1	20324	20772	20074	20390	1.73	cps
Molybdenum	97-1	8606	8503	8553	8554	0.60	cps
Molybdenum	98-1	21823	22060	21916	21933	0.54	cps
Neodymium	150-1	423503	428980	422654	425046	0.81	cps
Neodymium	150-2	231907	234216	232435	232853	0.52	cps
Nickel	60-2	227881	227207	226277	227121	0.35	cps
Phosphorus	31-2	64883	64776	63591	64417	1.11	cps
Potassium	39-2	2489144	2496338	2461003	2482161	0.75	cps
Rhodium	103-1	20479910	19824727	19849482	20051373	1.85	cps
Rhodium	103-2	11638072	11534539	11493589	11555400	0.64	cps
Scandium	45-1	11189198	10913823	10794606	10965875	1.85	cps
Scandium	45-2	945980	951500	938924	945468	0.67	cps
Selenium	82-1	1401	1344	1099	1281	12.52	cps
Selenium	77-2	613	640	633	629	2.21	cps
Selenium	78-2	940	1043	1003	996	5.23	cps
Silicon	28-1	72561832	71599559	71495212	71885534	0.82	cps
Silver	107-1	12939	13253	12976	13056	1.31	cps
Silver	109-1	12359	12372	12629	12453	1.22	cps
Sodium	23-2	470738	468922	468884	469515	0.23	cps
Strontium	86-1	5196912	5216388	5139357	5184219	0.77	cps
Strontium	88-1	45310966	45125491	45523564	45320007	0.44	cps
Sulfur	34-1	325008	324284	323496	324263	0.23	cps
Terbium	159-1	30054372	29309226	29355061	29572887	1.41	cps
Terbium	159-2	18201184	18203625	18122583	18175798	0.25	cps
Thallium	203-1	10224	10070	10201	10165	0.81	cps
Thallium	205-1	24305	24569	24178	24351	0.82	cps
Tin	118-1	34030	33880	33917	33942	0.23	cps
Titanium	47-1	171776	174688	172321	172928	0.90	cps

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-08	Instrumnet Name :	P7
Client Sample ID :	MH2GS7	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:47:42	DataFile Name :	062SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	406559	413044	411688	410430	0.83	cps
Vanadium	51-2	611373	615159	609813	612115	0.45	cps
Yttrium	89-1	29012687	28479953	28659485	28717375	0.94	cps
Yttrium	89-2	7013740	7025216	6961133	7000030	0.49	cps
Zinc	66-2	178732	177063	175076	176957	1.03	cps
Zirconium	90-1	75895	78143	77694	77244	1.54	cps
Zirconium	91-1	16536	17397	17687	17207	3.48	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-09	Instrumnet Name :	P7
Client Sample ID :	MH2GS8	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:50:45	DataFile Name :	063SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2683086	2669509	2658411	2670335	0.46	cps
Antimony	121-1	11778	12215	12325	12106	2.39	cps
Arsenic	75-2	15415	15715	15555	15562	0.97	cps
Barium	135-1	3094626	3080918	3059600	3078381	0.57	cps
Barium	137-1	5318155	5385793	5358414	5354121	0.64	cps
Beryllium	9-1	3684	3606	3628	3639	1.10	cps
Bismuth	209-1	16117437	15893021	16261976	16090811	1.16	cps
Bismuth	209-2	11878907	11760154	11633866	11757642	1.04	cps
Bromine	81-1	28778	30034	30502	29771	2.99	cps
Bromine	81-2	3140	3380	3390	3304	4.29	cps
Cadmium	108-1	2190	1963	2077	2077	5.46	cps
Cadmium	106-1	10571	10804	10461	10612	1.65	cps
Cadmium	111-1	36155	36190	36214	36186	0.08	cps
Calcium	43-1	33422924	33487005	33804405	33571445	0.61	cps
Calcium	44-1	551120778	550511112	548774912	550135601	0.22	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	162471	162087	162006	162188	0.15	cps
Cobalt	59-2	233089	231603	230060	231584	0.65	cps
Copper	63-2	654471	652306	654333	653703	0.19	cps
Dysprosium	156-1	150341	149327	151055	150241	0.58	cps
Dysprosium	156-2	111481	109735	109785	110334	0.90	cps
Erbium	164-1	135466	138166	135765	136466	1.08	cps
Erbium	164-2	87277	86050	86321	86549	0.74	cps
Gadolinium	160-1	149973	152821	152901	151898	1.10	cps
Gadolinium	160-2	104164	103206	102612	103327	0.76	cps
Holmium	165-1	28314865	28189163	27887873	28130633	0.78	cps
Holmium	165-2	18313271	18317693	18031825	18220930	0.90	cps
Indium	115-1	21003463	21280890	21166745	21150366	0.66	cps
Indium	115-2	7149302	7122374	7113894	7128524	0.26	cps
Iron	56-2	53962829	54109896	53666254	53912993	0.42	cps
Iron	57-2	2023035	2041492	2031786	2032104	0.45	cps
Iron	54-2	2935516	2941221	2904268	2927001	0.68	cps
Krypton	83-1	527	563	623	571	8.54	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-09	Instrumnet Name :	P7
Client Sample ID :	MH2GS8	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:50:45	DataFile Name :	063SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	7814408	7744868	7753161	7770812	0.49	cps
Lead	207-1	6705330	6620203	6705057	6676863	0.73	cps
Lead	208-1	30929426	30481144	30896253	30768941	0.81	cps
Lithium	6-1	1970976	1986527	2041764	1999756	1.86	cps
Magnesium	24-2	250748287	250347979	250722617	250606294	0.09	cps
Manganese	55-2	8803410	8798257	8700906	8767524	0.66	cps
Molybdenum	94-1	14574	14741	15098	14804	1.81	cps
Molybdenum	95-1	4181	4097	4157	4145	1.04	cps
Molybdenum	96-1	6615	6732	6962	6769	2.61	cps
Molybdenum	97-1	2424	2467	2437	2442	0.91	cps
Molybdenum	98-1	6295	6675	6351	6440	3.18	cps
Neodymium	150-1	231040	230331	231752	231041	0.31	cps
Neodymium	150-2	128720	128357	128670	128583	0.15	cps
Nickel	60-2	192569	191882	191678	192043	0.24	cps
Phosphorus	31-2	41794	40798	40774	41122	1.42	cps
Potassium	39-2	1872061	1834944	1844270	1850425	1.04	cps
Rhodium	103-1	19138893	19064800	18908263	19037319	0.62	cps
Rhodium	103-2	11349773	11239029	11211483	11266762	0.65	cps
Scandium	45-1	10910109	10968295	10838764	10905723	0.59	cps
Scandium	45-2	989073	981834	988383	986430	0.40	cps
Selenium	82-1	1365	1236	1151	1250	8.62	cps
Selenium	77-2	437	423	417	426	2.39	cps
Selenium	78-2	760	720	790	757	4.64	cps
Silicon	28-1	64764341	64752606	65883117	65133355	1.00	cps
Silver	107-1	40443	40730	41125	40766	0.84	cps
Silver	109-1	38805	38915	39948	39223	1.61	cps
Sodium	23-2	686765	688155	686736	687219	0.12	cps
Strontium	86-1	2154284	2170959	2176992	2167412	0.54	cps
Strontium	88-1	18732575	18940853	18889455	18854295	0.58	cps
Sulfur	34-1	329036	334463	341309	334936	1.84	cps
Terbium	159-1	28925200	28553810	28468992	28649334	0.85	cps
Terbium	159-2	17750011	17364387	17462497	17525632	1.14	cps
Thallium	203-1	5291	5081	5271	5214	2.22	cps
Thallium	205-1	12402	12723	12529	12551	1.29	cps
Tin	118-1	91646	91176	90616	91146	0.57	cps
Titanium	47-1	175121	177672	177811	176868	0.86	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-09	Instrumnet Name :	P7
Client Sample ID :	MH2GS8	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:50:45	DataFile Name :	063SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	153567	154568	154386	154174	0.35	cps
Vanadium	51-2	506253	510587	508687	508509	0.43	cps
Yttrium	89-1	26712947	26921645	26647477	26760690	0.54	cps
Yttrium	89-2	6741708	6715217	6844721	6767215	1.01	cps
Zinc	66-2	789176	785999	789411	788195	0.24	cps
Zirconium	90-1	33154	33639	33325	33372	0.74	cps
Zirconium	91-1	7946	7315	7325	7529	4.80	cps

Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-10	Instrumnet Name :	P7
Client Sample ID :	MH2GS9	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:53:49	DataFile Name :	064SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5476955	5525544	5531073	5511191	0.54	cps
Antimony	121-1	36149	36222	36035	36135	0.26	cps
Arsenic	75-2	33264	33057	33484	33268	0.64	cps
Barium	135-1	4877263	4857751	4837594	4857536	0.41	cps
Barium	137-1	8352587	8510194	8402242	8421674	0.96	cps
Beryllium	9-1	3945	4067	3962	3991	1.66	cps
Bismuth	209-1	17661604	17809993	17592987	17688195	0.63	cps
Bismuth	209-2	12701543	12794635	12670741	12722306	0.51	cps
Bromine	81-1	37207	39118	40556	38960	4.31	cps
Bromine	81-2	5134	4814	4961	4970	3.22	cps
Cadmium	108-1	6148	5825	5921	5965	2.78	cps
Cadmium	106-1	16509	16453	16306	16423	0.64	cps
Cadmium	111-1	95335	95030	95288	95218	0.17	cps
Calcium	43-1	9405944	9505161	9311659	9407588	1.03	cps
Calcium	44-1	154844141	154757054	152162094	153921097	0.99	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	170016	170929	169985	170310	0.31	cps
Cobalt	59-2	186216	183915	185170	185101	0.62	cps
Copper	63-2	1632303	1660853	1645270	1646142	0.87	cps
Dysprosium	156-1	242197	244303	241981	242827	0.53	cps
Dysprosium	156-2	182986	183300	182543	182943	0.21	cps
Erbium	164-1	220782	223137	223744	222554	0.70	cps
Erbium	164-2	143135	141229	142149	142171	0.67	cps
Gadolinium	160-1	236174	236529	236766	236490	0.13	cps
Gadolinium	160-2	159838	159113	159264	159405	0.24	cps
Holmium	165-1	28646485	28944649	28637201	28742778	0.61	cps
Holmium	165-2	18511374	18114616	18342571	18322853	1.09	cps
Indium	115-1	22028313	21720055	21936834	21895067	0.72	cps
Indium	115-2	7317579	7245840	7258830	7274083	0.53	cps
Iron	56-2	117882615	119154098	117798078	118278264	0.64	cps
Iron	57-2	3137582	3118675	3128749	3128335	0.30	cps
Iron	54-2	6501580	6397006	6376666	6425084	1.04	cps
Krypton	83-1	563	550	650	588	9.24	cps

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-10	Instrumnet Name :	P7
Client Sample ID :	MH2GS9	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:53:49	DataFile Name :	064SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	24475370	24945894	25064418	24828560	1.25	cps
Lead	207-1	21300133	21429083	21577238	21435485	0.65	cps
Lead	208-1	97635349	98687361	98770640	98364450	0.64	cps
Lithium	6-1	2207474	2170040	2181392	2186302	0.88	cps
Magnesium	24-2	13776044	13717879	13614503	13702809	0.60	cps
Manganese	55-2	7276156	7245960	7199684	7240600	0.53	cps
Molybdenum	94-1	51122	51413	51457	51331	0.35	cps
Molybdenum	95-1	9920	9456	9820	9732	2.51	cps
Molybdenum	96-1	18485	18892	18759	18712	1.11	cps
Molybdenum	97-1	5891	6141	6021	6018	2.08	cps
Molybdenum	98-1	15668	16006	15305	15660	2.24	cps
Neodymium	150-1	387747	388835	386057	387546	0.36	cps
Neodymium	150-2	213431	211546	211320	212099	0.55	cps
Nickel	60-2	119506	117527	119318	118783	0.92	cps
Phosphorus	31-2	101352	101272	100037	100887	0.73	cps
Potassium	39-2	2819847	2745722	2749811	2771793	1.50	cps
Rhodium	103-1	19814656	19915698	19922803	19884386	0.30	cps
Rhodium	103-2	11687882	11678531	11674969	11680461	0.06	cps
Scandium	45-1	10971000	10985140	10858257	10938132	0.64	cps
Scandium	45-2	944697	940046	931112	938618	0.74	cps
Selenium	82-1	1445	1361	1262	1356	6.75	cps
Selenium	77-2	770	640	710	707	9.21	cps
Selenium	78-2	970	1013	897	960	6.14	cps
Silicon	28-1	84801160	83365744	83384982	83850629	0.98	cps
Silver	107-1	153316	152710	150541	152189	0.96	cps
Silver	109-1	145485	144155	145589	145076	0.55	cps
Sodium	23-2	829146	822986	820867	824333	0.52	cps
Strontium	86-1	3458133	3521223	3449041	3476132	1.13	cps
Strontium	88-1	30709370	30469338	30506093	30561600	0.42	cps
Sulfur	34-1	351211	342370	338395	343992	1.91	cps
Terbium	159-1	29743630	29087111	28913819	29248187	1.50	cps
Terbium	159-2	18085349	17933631	18191383	18070121	0.72	cps
Thallium	203-1	10671	11005	10884	10853	1.56	cps
Thallium	205-1	26068	25491	26139	25899	1.37	cps
Tin	118-1	397813	398457	394222	396831	0.58	cps
Titanium	47-1	356596	355973	353667	355412	0.43	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-10	Instrumnet Name :	P7
Client Sample ID :	MH2GS9	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:53:49	DataFile Name :	064SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	330202	331803	332082	331362	0.31	cps
Vanadium	51-2	395006	393129	388082	392072	0.91	cps
Yttrium	89-1	28208115	27781346	27760558	27916673	0.90	cps
Yttrium	89-2	7021744	6881645	6850084	6917824	1.32	cps
Zinc	66-2	2052777	2069650	2048562	2056996	0.54	cps
Zirconium	90-1	125699	124888	125279	125289	0.32	cps
Zirconium	91-1	27740	28254	27653	27882	1.17	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-11	Instrumnet Name :	P7
Client Sample ID :	MH2GT0	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:56:47	DataFile Name :	065SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6848710	6764782	6830870	6814787	0.65	cps
Antimony	121-1	34822	34378	33973	34391	1.23	cps
Arsenic	75-2	35997	35934	35776	35902	0.32	cps
Barium	135-1	5098621	5172174	5173224	5148006	0.83	cps
Barium	137-1	8894227	8931260	8883190	8902892	0.28	cps
Beryllium	9-1	3651	3995	3573	3739	6.01	cps
Bismuth	209-1	17844396	17716943	17679440	17746926	0.49	cps
Bismuth	209-2	12610449	12622665	12449155	12560756	0.77	cps
Bromine	81-1	48362	51382	52877	50874	4.52	cps
Bromine	81-2	7238	7275	7692	7402	3.40	cps
Cadmium	108-1	4311	4407	4227	4315	2.09	cps
Cadmium	106-1	14114	13483	13149	13582	3.61	cps
Cadmium	111-1	67435	67033	67936	67468	0.67	cps
Calcium	43-1	12440557	12428400	12367965	12412307	0.31	cps
Calcium	44-1	199657650	202000704	200101170	200586508	0.62	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	185610	185472	183782	184955	0.55	cps
Cobalt	59-2	216918	216509	214220	215882	0.67	cps
Copper	63-2	1230011	1239346	1223916	1231091	0.63	cps
Dysprosium	156-1	271310	273160	272991	272487	0.38	cps
Dysprosium	156-2	206022	204908	204895	205275	0.32	cps
Erbium	164-1	250093	252128	252388	251536	0.50	cps
Erbium	164-2	159339	158090	161303	159577	1.01	cps
Gadolinium	160-1	267157	265801	268075	267011	0.43	cps
Gadolinium	160-2	179356	178202	178550	178702	0.33	cps
Holmium	165-1	28851278	28663833	28858427	28791179	0.38	cps
Holmium	165-2	18283990	18237419	18144983	18222131	0.39	cps
Indium	115-1	22219119	22019361	21884570	22041017	0.76	cps
Indium	115-2	7083077	7233882	7116662	7144540	1.11	cps
Iron	56-2	161973698	161101884	159657184	160910922	0.73	cps
Iron	57-2	4185339	4167842	4208401	4187194	0.49	cps
Iron	54-2	8740386	8759569	8707221	8735725	0.30	cps
Krypton	83-1	767	693	647	702	8.61	cps

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-11	Instrumnet Name :	P7
Client Sample ID :	MH2GT0	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:56:47	DataFile Name :	065SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	15083863	15450319	15371985	15302056	1.26	cps
Lead	207-1	13011133	13245610	13150640	13135794	0.90	cps
Lead	208-1	59953895	60823900	60533785	60437193	0.73	cps
Lithium	6-1	2132292	2124943	2124013	2127083	0.21	cps
Magnesium	24-2	8345623	8361443	8311372	8339479	0.31	cps
Manganese	55-2	6152881	6098015	6100631	6117176	0.51	cps
Molybdenum	94-1	54471	56619	56074	55721	2.00	cps
Molybdenum	95-1	19750	19864	19483	19699	0.99	cps
Molybdenum	96-1	29747	30281	29496	29842	1.34	cps
Molybdenum	97-1	12395	12442	12906	12581	2.24	cps
Molybdenum	98-1	31912	32085	31668	31888	0.66	cps
Neodymium	150-1	440419	437019	437686	438375	0.41	cps
Neodymium	150-2	240237	238365	236935	238512	0.69	cps
Nickel	60-2	147100	149267	150380	148916	1.12	cps
Phosphorus	31-2	96287	96008	96485	96260	0.25	cps
Potassium	39-2	2908995	2879909	2832615	2873840	1.34	cps
Rhodium	103-1	20074129	19479634	19716685	19756816	1.51	cps
Rhodium	103-2	11519520	11516415	11448463	11494799	0.35	cps
Scandium	45-1	10981427	10794297	10634818	10803514	1.61	cps
Scandium	45-2	921020	927059	919853	922644	0.42	cps
Selenium	82-1	1288	1291	1347	1309	2.56	cps
Selenium	77-2	700	760	687	716	5.46	cps
Selenium	78-2	1043	1047	973	1021	4.06	cps
Silicon	28-1	80613080	80025832	79685815	80108243	0.59	cps
Silver	107-1	101683	102949	101975	102202	0.65	cps
Silver	109-1	96992	97719	96247	96986	0.76	cps
Sodium	23-2	1080902	1103266	1108801	1097656	1.35	cps
Strontium	86-1	4264775	4226159	4246943	4245959	0.46	cps
Strontium	88-1	36979884	37335578	37113898	37143120	0.48	cps
Sulfur	34-1	402051	394127	393569	396582	1.20	cps
Terbium	159-1	29297960	28983051	28596750	28959254	1.21	cps
Terbium	159-2	17752865	17923359	17719423	17798549	0.61	cps
Thallium	203-1	14207	14458	13750	14139	2.54	cps
Thallium	205-1	33735	33585	33992	33771	0.61	cps
Tin	118-1	358676	360681	360621	359993	0.32	cps
Titanium	47-1	374520	375538	377839	375966	0.45	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-11	Instrumnet Name :	P7
Client Sample ID :	MH2GT0	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:56:47	DataFile Name :	065SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	510735	510400	507782	509639	0.32	cps
Vanadium	51-2	525215	525275	525820	525437	0.06	cps
Yttrium	89-1	28599251	28180680	28046464	28275465	1.02	cps
Yttrium	89-2	6956031	6810682	6979848	6915520	1.32	cps
Zinc	66-2	1288507	1302994	1298696	1296732	0.57	cps
Zirconium	90-1	121571	123682	122096	122450	0.90	cps
Zirconium	91-1	27115	28074	27469	27553	1.76	cps

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On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-12	Instrumnet Name :	P7
Client Sample ID :	MH2GT1	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:59:50	DataFile Name :	066SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6439979	6370568	6376928	6395825	0.60	cps
Antimony	121-1	18582	19029	18709	18773	1.23	cps
Arsenic	75-2	27238	27930	27946	27705	1.46	cps
Barium	135-1	6276716	6242851	6113452	6211006	1.39	cps
Barium	137-1	10792776	10687439	10579303	10686506	1.00	cps
Beryllium	9-1	3562	3173	3245	3326	6.22	cps
Bismuth	209-1	17290651	17421101	17234375	17315376	0.55	cps
Bismuth	209-2	12727703	12441018	12428114	12532278	1.35	cps
Bromine	81-1	52841	55554	56973	55122	3.81	cps
Bromine	81-2	8132	8583	8009	8241	3.66	cps
Cadmium	108-1	2200	2254	2154	2202	2.27	cps
Cadmium	106-1	10984	10837	10781	10867	0.97	cps
Cadmium	111-1	37316	36514	37016	36948	1.10	cps
Calcium	43-1	15677141	15423501	15200620	15433754	1.54	cps
Calcium	44-1	253664283	248988690	245242143	249298372	1.69	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	151667	149775	151600	151014	0.71	cps
Cobalt	59-2	202051	204116	203564	203243	0.53	cps
Copper	63-2	637026	636009	634066	635700	0.24	cps
Dysprosium	156-1	253511	259769	257394	256891	1.23	cps
Dysprosium	156-2	190139	192456	191349	191315	0.61	cps
Erbium	164-1	238628	236779	238680	238029	0.45	cps
Erbium	164-2	151000	150036	150259	150431	0.34	cps
Gadolinium	160-1	253025	253865	251520	252803	0.47	cps
Gadolinium	160-2	170717	169007	169458	169727	0.52	cps
Holmium	165-1	28669245	28502005	28591297	28587516	0.29	cps
Holmium	165-2	18281874	18148243	18160653	18196923	0.41	cps
Indium	115-1	21584429	21561078	21596579	21580695	0.08	cps
Indium	115-2	7207023	7098819	7113038	7139627	0.82	cps
Iron	56-2	140909665	138726225	137920795	139185561	1.11	cps
Iron	57-2	3744640	3728493	3712867	3728667	0.43	cps
Iron	54-2	7621713	7491124	7564664	7559167	0.87	cps
Krypton	83-1	617	593	597	602	2.10	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-12	Instrumnet Name :	P7
Client Sample ID :	MH2GT1	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:59:50	DataFile Name :	066SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4503627	4532119	4472147	4502631	0.67	cps
Lead	207-1	3829407	3805355	3856944	3830569	0.67	cps
Lead	208-1	17598057	17692905	17696303	17662422	0.32	cps
Lithium	6-1	2207117	2128926	2116156	2150733	2.29	cps
Magnesium	24-2	9023074	8867355	9024079	8971503	1.01	cps
Manganese	55-2	4445056	4303148	4377081	4375095	1.62	cps
Molybdenum	94-1	38761	38761	38524	38682	0.35	cps
Molybdenum	95-1	14567	14344	14647	14520	1.08	cps
Molybdenum	96-1	21432	21459	21249	21380	0.54	cps
Molybdenum	97-1	8986	8856	9206	9016	1.96	cps
Molybdenum	98-1	22855	23189	22828	22957	0.88	cps
Neodymium	150-1	410807	415361	416711	414293	0.75	cps
Neodymium	150-2	227424	224221	225125	225590	0.73	cps
Nickel	60-2	194389	191897	190496	192261	1.03	cps
Phosphorus	31-2	67351	67408	67789	67516	0.35	cps
Potassium	39-2	2554226	2539568	2545561	2546452	0.29	cps
Rhodium	103-1	19777952	19834482	19724176	19778870	0.28	cps
Rhodium	103-2	11403390	11347790	11311262	11354147	0.41	cps
Scandium	45-1	11025809	10839591	10631132	10832177	1.82	cps
Scandium	45-2	930234	920549	918022	922935	0.70	cps
Selenium	82-1	1274	1414	1384	1357	5.45	cps
Selenium	77-2	740	777	783	767	3.04	cps
Selenium	78-2	950	990	963	968	2.10	cps
Silicon	28-1	79747812	78559727	78739880	79015807	0.81	cps
Silver	107-1	47273	46494	47217	46995	0.92	cps
Silver	109-1	43980	43996	45040	44339	1.37	cps
Sodium	23-2	925816	919987	928268	924690	0.46	cps
Strontium	86-1	4554345	4490064	4488067	4510825	0.84	cps
Strontium	88-1	39700804	39453105	39422861	39525590	0.39	cps
Sulfur	34-1	464787	458998	458838	460874	0.74	cps
Terbium	159-1	29282842	28812498	28865000	28986780	0.89	cps
Terbium	159-2	17916450	17739496	17540028	17731991	1.06	cps
Thallium	203-1	12499	12519	12112	12377	1.85	cps
Thallium	205-1	29689	29913	29395	29666	0.88	cps
Tin	118-1	144550	145714	145544	145269	0.43	cps
Titanium	47-1	257454	257168	252717	255780	1.04	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-12	Instrumnet Name :	P7
Client Sample ID :	MH2GT1	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 19:59:50	DataFile Name :	066SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	460586	464523	464666	463258	0.50	cps
Vanadium	51-2	570143	563968	566679	566930	0.55	cps
Yttrium	89-1	28112488	27749265	27426599	27762784	1.24	cps
Yttrium	89-2	6844786	6757684	6765444	6789305	0.71	cps
Zinc	66-2	482240	481482	479041	480921	0.35	cps
Zirconium	90-1	83472	83804	83147	83474	0.39	cps
Zirconium	91-1	18455	18829	18745	18676	1.05	cps

Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-15	Instrumnet Name :	P7
Client Sample ID :	MH2GT4	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:09:22	DataFile Name :	069SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3753829	3708617	3702707	3721718	0.75	cps
Antimony	121-1	16206	16186	16076	16156	0.43	cps
Arsenic	75-2	20047	19800	19490	19779	1.41	cps
Barium	135-1	3325768	3333340	3260138	3306415	1.22	cps
Barium	137-1	5714182	5716393	5616069	5682215	1.01	cps
Beryllium	9-1	2834	2900	2606	2780	5.55	cps
Bismuth	209-1	17139785	16552554	16659049	16783796	1.86	cps
Bismuth	209-2	12548324	12290943	12460769	12433345	1.05	cps
Bromine	81-1	26524	26521	27629	26891	2.38	cps
Bromine	81-2	2914	3120	2964	2999	3.60	cps
Cadmium	108-1	2704	2620	2520	2615	3.51	cps
Cadmium	106-1	11681	10898	11124	11234	3.59	cps
Cadmium	111-1	44826	43814	42773	43804	2.34	cps
Calcium	43-1	6720459	6505831	6404116	6543469	2.47	cps
Calcium	44-1	107798142	105530828	104406335	105911768	1.63	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	84649	84072	82973	83898	1.01	cps
Cobalt	59-2	131547	130178	128609	130111	1.13	cps
Copper	63-2	830888	822196	823914	825666	0.56	cps
Dysprosium	156-1	228934	224750	223199	225628	1.31	cps
Dysprosium	156-2	170879	172228	171817	171641	0.40	cps
Erbium	164-1	207583	207071	205909	206855	0.41	cps
Erbium	164-2	132727	131670	133235	132544	0.60	cps
Gadolinium	160-1	223936	220653	220161	221583	0.93	cps
Gadolinium	160-2	149815	151240	151286	150780	0.55	cps
Holmium	165-1	27731765	27471670	27318060	27507165	0.76	cps
Holmium	165-2	17842739	17515408	17952027	17770058	1.28	cps
Indium	115-1	21809550	21387311	21164701	21453854	1.53	cps
Indium	115-2	7111265	7045487	7088024	7081592	0.47	cps
Iron	56-2	54578013	53898381	53356476	53944290	1.13	cps
Iron	57-2	1485425	1440455	1454133	1460004	1.58	cps
Iron	54-2	3017285	2940627	2948903	2968939	1.42	cps
Krypton	83-1	553	597	447	532	14.50	cps

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-15	Instrumnet Name :	P7
Client Sample ID :	MH2GT4	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:09:22	DataFile Name :	069SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	10353549	10404163	10197717	10318477	1.04	cps
Lead	207-1	8927351	8858531	8791264	8859049	0.77	cps
Lead	208-1	41005919	40829166	40369582	40734889	0.81	cps
Lithium	6-1	2328845	2300393	2284106	2304448	0.98	cps
Magnesium	24-2	4271232	4266677	4237304	4258404	0.43	cps
Manganese	55-2	4979895	4871231	4807915	4886347	1.78	cps
Molybdenum	94-1	22391	22103	22240	22245	0.65	cps
Molybdenum	95-1	4751	4477	4838	4689	4.01	cps
Molybdenum	96-1	8412	8396	8623	8477	1.49	cps
Molybdenum	97-1	2960	2760	2827	2849	3.57	cps
Molybdenum	98-1	7312	7439	7239	7330	1.38	cps
Neodymium	150-1	360267	354972	350792	355344	1.34	cps
Neodymium	150-2	197749	196079	198517	197448	0.63	cps
Nickel	60-2	76670	76386	75288	76115	0.96	cps
Phosphorus	31-2	93312	92531	91565	92469	0.95	cps
Potassium	39-2	2083194	2073787	2074610	2077197	0.25	cps
Rhodium	103-1	19551236	19364837	19136419	19350831	1.07	cps
Rhodium	103-2	11291330	11262697	11196219	11250082	0.43	cps
Scandium	45-1	10973424	10677967	10707929	10786440	1.51	cps
Scandium	45-2	923549	915143	910251	916314	0.73	cps
Selenium	82-1	1171	1137	1158	1156	1.52	cps
Selenium	77-2	553	673	593	607	10.07	cps
Selenium	78-2	777	950	977	901	12.05	cps
Silicon	28-1	80322907	79093982	78150157	79189015	1.38	cps
Silver	107-1	28832	27636	27817	28095	2.29	cps
Silver	109-1	26831	26865	26674	26790	0.38	cps
Sodium	23-2	336209	336578	332164	334984	0.73	cps
Strontium	86-1	2436485	2401224	2395520	2411076	0.92	cps
Strontium	88-1	21238592	20686343	20854344	20926426	1.35	cps
Sulfur	34-1	316114	309464	306423	310667	1.60	cps
Terbium	159-1	28036258	28068235	27368885	27824460	1.42	cps
Terbium	159-2	17602329	17561827	17442368	17535508	0.47	cps
Thallium	203-1	5084	5101	4844	5010	2.87	cps
Thallium	205-1	12262	12085	12189	12179	0.73	cps
Tin	118-1	9216	8813	8583	8871	3.62	cps
Titanium	47-1	107125	105011	102772	104969	2.07	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-15	Instrumnet Name :	P7
Client Sample ID :	MH2GT4	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:09:22	DataFile Name :	069SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	258551	257784	255993	257443	0.51	cps
Vanadium	51-2	222191	221711	218545	220816	0.90	cps
Yttrium	89-1	27472702	27100201	26689340	27087415	1.45	cps
Yttrium	89-2	6798504	6669784	6692167	6720152	1.02	cps
Zinc	66-2	805575	808633	806798	807002	0.19	cps
Zirconium	90-1	54896	54828	52768	54164	2.23	cps
Zirconium	91-1	11825	11958	11995	11926	0.75	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-16	Instrumnet Name :	P7
Client Sample ID :	MH2GT5	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:12:29	DataFile Name :	070SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3025171	2950013	2976282	2983822	1.28	cps
Antimony	121-1	14090	14167	14147	14135	0.28	cps
Arsenic	75-2	23125	22808	22577	22836	1.20	cps
Barium	135-1	3309775	3336712	3324257	3323581	0.41	cps
Barium	137-1	5732589	5861029	5732920	5775513	1.28	cps
Beryllium	9-1	2584	2300	2228	2371	7.93	cps
Bismuth	209-1	16743275	16722588	16566935	16677599	0.58	cps
Bismuth	209-2	12304241	12293211	12211524	12269659	0.41	cps
Bromine	81-1	26230	26547	26958	26578	1.37	cps
Bromine	81-2	2767	2717	2927	2804	3.91	cps
Cadmium	108-1	1697	1823	1800	1773	3.80	cps
Cadmium	106-1	10124	9743	9677	9848	2.45	cps
Cadmium	111-1	31862	31077	31390	31443	1.26	cps
Calcium	43-1	9322830	9254547	9248833	9275403	0.44	cps
Calcium	44-1	152129994	151281511	149094494	150835333	1.04	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	70567	70855	69228	70217	1.24	cps
Cobalt	59-2	115255	115050	113250	114518	0.96	cps
Copper	63-2	581484	576324	573432	577080	0.71	cps
Dysprosium	156-1	203294	202174	206880	204116	1.20	cps
Dysprosium	156-2	156130	153774	156864	155589	1.04	cps
Erbium	164-1	186565	185701	183397	185221	0.88	cps
Erbium	164-2	123026	120786	120299	121371	1.20	cps
Gadolinium	160-1	201800	201322	198101	200408	1.00	cps
Gadolinium	160-2	139174	139188	135784	138048	1.42	cps
Holmium	165-1	27473652	27036824	26631258	27047245	1.56	cps
Holmium	165-2	17850326	17771043	17731259	17784209	0.34	cps
Indium	115-1	21237079	20813417	20647114	20899203	1.46	cps
Indium	115-2	7121996	7124304	7055426	7100575	0.55	cps
Iron	56-2	35794429	35896694	35738508	35809877	0.22	cps
Iron	57-2	1076507	1075796	1071001	1074435	0.28	cps
Iron	54-2	1966520	1928156	1942046	1945574	1.00	cps
Krypton	83-1	557	537	520	538	3.41	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-16	Instrumnet Name :	P7
Client Sample ID :	MH2GT5	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:12:29	DataFile Name :	070SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	7350191	7506295	7362098	7406195	1.17	cps
Lead	207-1	6366437	6378085	6307230	6350584	0.60	cps
Lead	208-1	29152304	29489925	29115699	29252642	0.71	cps
Lithium	6-1	2335176	2216380	2230590	2260715	2.87	cps
Magnesium	24-2	3973032	3911778	3882130	3922313	1.18	cps
Manganese	55-2	4215362	4236163	4175153	4208893	0.74	cps
Molybdenum	94-1	22187	22838	22651	22559	1.49	cps
Molybdenum	95-1	6742	6428	7065	6745	4.72	cps
Molybdenum	96-1	10494	10597	10394	10495	0.97	cps
Molybdenum	97-1	4054	4284	4124	4154	2.84	cps
Molybdenum	98-1	10827	10667	10194	10563	3.12	cps
Neodymium	150-1	322005	326369	322013	323463	0.78	cps
Neodymium	150-2	183416	180267	181576	181753	0.87	cps
Nickel	60-2	140906	140520	140297	140574	0.22	cps
Phosphorus	31-2	79243	77997	78507	78582	0.80	cps
Potassium	39-2	1594817	1566065	1577936	1579606	0.91	cps
Rhodium	103-1	19243900	19050501	18629036	18974479	1.66	cps
Rhodium	103-2	11082299	11035682	10985557	11034513	0.44	cps
Scandium	45-1	10865096	10525439	10548436	10646324	1.78	cps
Scandium	45-2	910992	920864	905558	912471	0.85	cps
Selenium	82-1	1098	1192	1054	1115	6.31	cps
Selenium	77-2	530	477	443	483	9.05	cps
Selenium	78-2	857	840	943	880	6.31	cps
Silicon	28-1	68295889	68458752	66513517	67756053	1.59	cps
Silver	107-1	17210	17354	16860	17141	1.48	cps
Silver	109-1	16493	16186	16333	16337	0.94	cps
Sodium	23-2	377794	380001	375058	377618	0.66	cps
Strontium	86-1	3038103	3030018	3019148	3029090	0.31	cps
Strontium	88-1	26621790	26494368	26268191	26461450	0.68	cps
Sulfur	34-1	316606	315331	313711	315216	0.46	cps
Terbium	159-1	27895073	27490335	27029885	27471764	1.58	cps
Terbium	159-2	17578839	17485668	17244571	17436359	0.99	cps
Thallium	203-1	3437	3227	3244	3303	3.54	cps
Thallium	205-1	8022	7906	7749	7892	1.74	cps
Tin	118-1	7966	8092	7869	7976	1.41	cps
Titanium	47-1	74187	73263	72750	73400	0.99	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-16	Instrumnet Name :	P7
Client Sample ID :	MH2GT5	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:12:29	DataFile Name :	070SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	268918	267730	265578	267408	0.63	cps
Vanadium	51-2	223040	222255	223578	222958	0.30	cps
Yttrium	89-1	26534097	25953826	26008227	26165383	1.22	cps
Yttrium	89-2	6663361	6537868	6554089	6585106	1.04	cps
Zinc	66-2	464224	463531	458763	462172	0.64	cps
Zirconium	90-1	52018	50804	50821	51214	1.36	cps
Zirconium	91-1	11515	11348	11678	11513	1.43	cps

Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-13	Instrumnet Name :	P7
Client Sample ID :	MH2GT2	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:15:34	DataFile Name :	071SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5601124	5546788	5527233	5558382	0.69	cps
Antimony	121-1	23319	23352	23636	23436	0.74	cps
Arsenic	75-2	18999	19119	18775	18964	0.92	cps
Barium	135-1	4588028	4640944	4572643	4600538	0.78	cps
Barium	137-1	7973621	7995787	8081463	8016957	0.71	cps
Beryllium	9-1	4301	3917	3678	3965	7.92	cps
Bismuth	209-1	17722208	17342390	17678545	17581048	1.18	cps
Bismuth	209-2	12865916	12717047	12721730	12768231	0.66	cps
Bromine	81-1	24774	25879	24834	25163	2.47	cps
Bromine	81-2	2447	2507	2534	2496	1.78	cps
Cadmium	108-1	4944	4801	4734	4826	2.22	cps
Cadmium	106-1	14367	14320	14180	14289	0.68	cps
Cadmium	111-1	74598	76089	75652	75447	1.02	cps
Calcium	43-1	5825096	5802456	5707319	5778290	1.08	cps
Calcium	44-1	94409365	92670729	93203342	93427812	0.95	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	281274	281264	278479	280339	0.57	cps
Cobalt	59-2	193315	190327	190864	191502	0.83	cps
Copper	63-2	1377116	1378291	1381660	1379022	0.17	cps
Dysprosium	156-1	253435	256119	256458	255337	0.65	cps
Dysprosium	156-2	195586	195843	196266	195898	0.18	cps
Erbium	164-1	222911	226169	230567	226549	1.70	cps
Erbium	164-2	146661	144711	145704	145692	0.67	cps
Gadolinium	160-1	243421	248920	244165	245502	1.22	cps
Gadolinium	160-2	167721	169047	166648	167806	0.72	cps
Holmium	165-1	28477225	28257752	28286327	28340435	0.42	cps
Holmium	165-2	18293159	18199770	18237533	18243488	0.26	cps
Indium	115-1	21553814	21833982	21427039	21604945	0.96	cps
Indium	115-2	7241672	7185370	7200380	7209141	0.40	cps
Iron	56-2	152153691	151821708	152413448	152129616	0.19	cps
Iron	57-2	3867955	3854063	3820696	3847571	0.63	cps
Iron	54-2	8190451	8205162	8185446	8193686	0.13	cps
Krypton	83-1	610	577	597	594	2.82	cps

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-13	Instrumnet Name :	P7
Client Sample ID :	MH2GT2	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:15:34	DataFile Name :	071SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	22466641	22634108	22547377	22549375	0.37	cps
Lead	207-1	19397802	19536805	19478731	19471113	0.36	cps
Lead	208-1	89225824	89274604	89341430	89280619	0.07	cps
Lithium	6-1	2338563	2242332	2218415	2266437	2.81	cps
Magnesium	24-2	15681388	15588224	15565053	15611555	0.39	cps
Manganese	55-2	8351080	8352024	8352008	8351704	0.01	cps
Molybdenum	94-1	49119	49888	50323	49777	1.22	cps
Molybdenum	95-1	11711	12038	12148	11966	1.90	cps
Molybdenum	96-1	20648	20641	20231	20507	1.17	cps
Molybdenum	97-1	7335	6895	7559	7263	4.65	cps
Molybdenum	98-1	18612	18465	18425	18501	0.53	cps
Neodymium	150-1	425731	426433	425524	425896	0.11	cps
Neodymium	150-2	234878	235331	235443	235217	0.13	cps
Nickel	60-2	139771	138035	139768	139192	0.72	cps
Phosphorus	31-2	103097	104769	104017	103961	0.81	cps
Potassium	39-2	4277172	4295258	4231175	4267868	0.77	cps
Rhodium	103-1	19502232	19450439	19579763	19510812	0.33	cps
Rhodium	103-2	11654319	11486676	11610807	11583934	0.75	cps
Scandium	45-1	10556578	10515475	10437697	10503250	0.57	cps
Scandium	45-2	913384	909553	905981	909639	0.41	cps
Selenium	82-1	1317	1315	1323	1318	0.33	cps
Selenium	77-2	600	647	713	653	8.72	cps
Selenium	78-2	1013	997	903	971	6.11	cps
Silicon	28-1	93992895	94469665	93031032	93831197	0.78	cps
Silver	107-1	90902	91261	92606	91590	0.98	cps
Silver	109-1	88608	87918	88163	88229	0.40	cps
Sodium	23-2	437050	436548	438494	437364	0.23	cps
Strontium	86-1	2529402	2563237	2546244	2546294	0.66	cps
Strontium	88-1	22101851	22032805	22156789	22097148	0.28	cps
Sulfur	34-1	327724	330510	330021	329418	0.45	cps
Terbium	159-1	28745145	28714727	28597164	28685679	0.27	cps
Terbium	159-2	17783396	17985268	17707931	17825532	0.80	cps
Thallium	203-1	10327	10674	10477	10493	1.66	cps
Thallium	205-1	25370	25397	25070	25279	0.72	cps
Tin	118-1	231182	233721	231924	232276	0.56	cps
Titanium	47-1	463108	462320	461188	462206	0.21	cps

Reviewed By:jaswal
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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-13	Instrumnet Name :	P7
Client Sample ID :	MH2GT2	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:15:34	DataFile Name :	071SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	293981	299063	297635	296893	0.88	cps
Vanadium	51-2	370968	369043	369281	369764	0.28	cps
Yttrium	89-1	27619795	27175955	27662145	27485965	0.98	cps
Yttrium	89-2	6808171	6817219	6810307	6811899	0.07	cps
Zinc	66-2	2904328	2838694	2846987	2863336	1.25	cps
Zirconium	90-1	119613	119636	117213	118820	1.17	cps
Zirconium	91-1	26063	26928	25976	26323	2.00	cps

Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-14	Instrumnet Name :	P7
Client Sample ID :	MH2GT3	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:18:37	DataFile Name :	072SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4556637	4571603	4465901	4531380	1.26	cps
Antimony	121-1	17835	17861	18015	17903	0.54	cps
Arsenic	75-2	19516	20024	19393	19644	1.70	cps
Barium	135-1	4860312	4860939	4801500	4840917	0.71	cps
Barium	137-1	8390303	8413739	8358593	8387545	0.33	cps
Beryllium	9-1	4128	3662	3889	3893	6.00	cps
Bismuth	209-1	17822460	17495046	17502746	17606751	1.06	cps
Bismuth	209-2	12762730	12691824	12662146	12705566	0.41	cps
Bromine	81-1	26524	26804	26894	26741	0.72	cps
Bromine	81-2	2957	2700	2850	2836	4.55	cps
Cadmium	108-1	5391	5634	5504	5510	2.21	cps
Cadmium	106-1	15502	15295	14938	15245	1.87	cps
Cadmium	111-1	85750	84988	83898	84879	1.10	cps
Calcium	43-1	6201968	6152408	6048288	6134221	1.28	cps
Calcium	44-1	100121415	99245785	98432565	99266589	0.85	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	145750	144878	144511	145046	0.44	cps
Cobalt	59-2	161910	160993	160609	161171	0.41	cps
Copper	63-2	1469224	1470712	1463657	1467864	0.25	cps
Dysprosium	156-1	241744	240991	241041	241259	0.17	cps
Dysprosium	156-2	182162	184235	181054	182484	0.88	cps
Erbium	164-1	223300	220749	218563	220871	1.07	cps
Erbium	164-2	142754	141829	142676	142420	0.36	cps
Gadolinium	160-1	235651	236702	233431	235261	0.71	cps
Gadolinium	160-2	160748	160758	159372	160293	0.50	cps
Holmium	165-1	29253888	27859182	28222942	28445337	2.54	cps
Holmium	165-2	18349014	18284467	18186693	18273391	0.45	cps
Indium	115-1	22243032	21305123	21386156	21644770	2.40	cps
Indium	115-2	7276877	7320348	7317663	7304962	0.33	cps
Iron	56-2	72219159	72289391	71963841	72157463	0.24	cps
Iron	57-2	1920672	1895727	1903409	1906603	0.67	cps
Iron	54-2	3947697	3882342	3910517	3913519	0.84	cps
Krypton	83-1	603	613	550	589	5.78	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-14	Instrumnet Name :	P7
Client Sample ID :	MH2GT3	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:18:37	DataFile Name :	072SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	24697106	24278512	24029138	24334919	1.39	cps
Lead	207-1	21114327	21020636	20897142	21010702	0.52	cps
Lead	208-1	97006986	96646309	96128351	96593882	0.46	cps
Lithium	6-1	2321637	2321194	2268500	2303777	1.33	cps
Magnesium	24-2	5936861	5988631	5905682	5943725	0.70	cps
Manganese	55-2	7483810	7513944	7365458	7454404	1.05	cps
Molybdenum	94-1	28671	28862	27609	28381	2.38	cps
Molybdenum	95-1	4401	4504	4184	4363	3.74	cps
Molybdenum	96-1	9456	9603	9683	9581	1.20	cps
Molybdenum	97-1	2617	2894	2694	2735	5.22	cps
Molybdenum	98-1	6645	7005	6665	6772	2.99	cps
Neodymium	150-1	386257	382341	381121	383240	0.70	cps
Neodymium	150-2	213319	214287	209735	212447	1.13	cps
Nickel	60-2	119150	117874	117767	118264	0.65	cps
Phosphorus	31-2	99302	100138	99001	99480	0.59	cps
Potassium	39-2	3088937	3150807	3109344	3116363	1.01	cps
Rhodium	103-1	20352515	19668243	19507039	19842599	2.26	cps
Rhodium	103-2	11642950	11757290	11465078	11621773	1.27	cps
Scandium	45-1	10991264	10767629	10707733	10822209	1.38	cps
Scandium	45-2	931900	934371	928000	931424	0.34	cps
Selenium	82-1	1280	1290	1240	1270	2.08	cps
Selenium	77-2	650	620	583	618	5.40	cps
Selenium	78-2	1013	1013	1007	1011	0.38	cps
Silicon	28-1	96330639	96017615	94746515	95698256	0.88	cps
Silver	107-1	55753	56891	55248	55964	1.50	cps
Silver	109-1	54877	53893	53519	54096	1.30	cps
Sodium	23-2	397046	399354	397796	398065	0.30	cps
Strontium	86-1	2740230	2705304	2667040	2704192	1.35	cps
Strontium	88-1	23715254	23520244	23774100	23669866	0.56	cps
Sulfur	34-1	315235	313986	313260	314160	0.32	cps
Terbium	159-1	29502422	28595906	28281016	28793115	2.20	cps
Terbium	159-2	18026915	17976818	17719441	17907725	0.92	cps
Thallium	203-1	8183	7946	7746	7958	2.75	cps
Thallium	205-1	18720	18643	18319	18561	1.15	cps
Tin	118-1	16913	17391	17024	17109	1.46	cps
Titanium	47-1	162218	161932	160875	161675	0.44	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4957-14	Instrumnet Name :	P7
Client Sample ID :	MH2GT3	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:18:37	DataFile Name :	072SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	314355	310822	312166	312447	0.57	cps
Vanadium	51-2	276962	279117	276506	277528	0.50	cps
Yttrium	89-1	28447951	27644734	27357950	27816878	2.03	cps
Yttrium	89-2	6964117	6946771	6874211	6928366	0.69	cps
Zinc	66-2	2213243	2238481	2238533	2230086	0.65	cps
Zirconium	90-1	69041	70086	70840	69989	1.29	cps
Zirconium	91-1	15278	15658	15909	15615	2.03	cps

Reviewed By:jaswal
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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4955-01	Instrumnet Name :	P7
Client Sample ID :	MH2GW5	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:21:35	DataFile Name :	073SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3281094	3310808	3262941	3284947	0.74	cps
Antimony	121-1	385335	390650	389227	388404	0.71	cps
Arsenic	75-2	10470	10040	9947	10152	2.75	cps
Barium	135-1	2648281	2720930	2722110	2697107	1.57	cps
Barium	137-1	4694524	4706095	4657563	4686061	0.54	cps
Beryllium	9-1	2256	2250	2261	2256	0.25	cps
Bismuth	209-1	18020361	17780316	18197721	17999466	1.16	cps
Bismuth	209-2	13157221	13059009	13012994	13076408	0.56	cps
Bromine	81-1	42100	42702	43247	42683	1.34	cps
Bromine	81-2	5614	5394	5354	5454	2.57	cps
Cadmium	108-1	9416	9680	9910	9669	2.55	cps
Cadmium	106-1	20418	20661	21316	20798	2.23	cps
Cadmium	111-1	149595	150429	151648	150557	0.69	cps
Calcium	43-1	4344754	4341620	4365975	4350783	0.30	cps
Calcium	44-1	70661741	70709759	70280899	70550800	0.33	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	534265	532218	533396	533293	0.19	cps
Cobalt	59-2	103601	103490	103255	103449	0.17	cps
Copper	63-2	1140201	1133043	1133449	1135564	0.35	cps
Dysprosium	156-1	134331	136082	134823	135079	0.67	cps
Dysprosium	156-2	103571	103296	104616	103828	0.67	cps
Erbium	164-1	115564	116044	115694	115767	0.21	cps
Erbium	164-2	73807	73559	73287	73551	0.35	cps
Gadolinium	160-1	125694	127265	127033	126664	0.67	cps
Gadolinium	160-2	84825	86532	86804	86053	1.25	cps
Holmium	165-1	29243060	28644883	29097135	28995026	1.08	cps
Holmium	165-2	18560575	18742761	18232329	18511888	1.40	cps
Indium	115-1	22158206	21863821	21917815	21979947	0.71	cps
Indium	115-2	7286340	7296333	7211631	7264768	0.64	cps
Iron	56-2	111150492	110700235	110594862	110815196	0.27	cps
Iron	57-2	2856387	2831254	2815920	2834521	0.72	cps
Iron	54-2	5929829	6044596	6019632	5998019	1.01	cps
Krypton	83-1	397	437	470	434	8.45	cps

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4955-01	Instrumnet Name :	P7
Client Sample ID :	MH2GW5	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:21:35	DataFile Name :	073SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2725430	2711434	2740720	2725861	0.54	cps
Lead	207-1	2299402	2334662	2375901	2336655	1.64	cps
Lead	208-1	10633465	10639146	10849232	10707281	1.15	cps
Lithium	6-1	2302720	2274020	2268056	2281599	0.81	cps
Magnesium	24-2	7406357	7339209	7442464	7396010	0.71	cps
Manganese	55-2	6132513	6148408	6146691	6142537	0.14	cps
Molybdenum	94-1	83075	82934	84684	83565	1.16	cps
Molybdenum	95-1	39557	39867	39938	39787	0.51	cps
Molybdenum	96-1	52919	53608	52838	53122	0.80	cps
Molybdenum	97-1	24414	24410	24945	24590	1.25	cps
Molybdenum	98-1	64438	64669	64518	64542	0.18	cps
Neodymium	150-1	224205	224510	223373	224029	0.26	cps
Neodymium	150-2	122964	122637	124042	123215	0.60	cps
Nickel	60-2	186217	186602	183277	185366	0.98	cps
Phosphorus	31-2	61671	60509	60683	60954	1.03	cps
Potassium	39-2	6460461	6503003	6382704	6448723	0.95	cps
Rhodium	103-1	20056496	19963946	19865940	19962127	0.48	cps
Rhodium	103-2	11747377	11583332	11832769	11721159	1.08	cps
Scandium	45-1	10755269	10642960	10522117	10640115	1.10	cps
Scandium	45-2	914305	914528	916082	914971	0.11	cps
Selenium	82-1	1340	1292	1212	1281	5.08	cps
Selenium	77-2	430	410	337	392	12.53	cps
Selenium	78-2	723	743	790	752	4.55	cps
Silicon	28-1	86482742	85414232	85041149	85646041	0.87	cps
Silver	107-1	28261	28575	29450	28762	2.14	cps
Silver	109-1	27175	27359	27780	27438	1.13	cps
Sodium	23-2	19637905	19880568	19706915	19741796	0.63	cps
Strontium	86-1	2435864	2430563	2393725	2420051	0.95	cps
Strontium	88-1	20856944	20933472	20874441	20888286	0.19	cps
Sulfur	34-1	771983	770001	768400	770128	0.23	cps
Terbium	159-1	29633899	29179758	28852080	29221912	1.34	cps
Terbium	159-2	18252596	18338519	18192828	18261314	0.40	cps
Thallium	203-1	6902	6738	6735	6792	1.40	cps
Thallium	205-1	16056	16156	16293	16169	0.74	cps
Tin	118-1	266701	270795	268007	268501	0.78	cps
Titanium	47-1	499597	503492	501611	501566	0.39	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4955-01	Instrumnet Name :	P7
Client Sample ID :	MH2GW5	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:21:35	DataFile Name :	073SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	352687	354987	357228	354968	0.64	cps
Vanadium	51-2	158714	159476	157616	158602	0.59	cps
Yttrium	89-1	26173529	25620141	26250555	26014742	1.32	cps
Yttrium	89-2	6539237	6566120	6540444	6548600	0.23	cps
Zinc	66-2	2325138	2352389	2315022	2330849	0.83	cps
Zirconium	90-1	161139	163614	163150	162634	0.81	cps
Zirconium	91-1	35584	36873	37269	36575	2.41	cps

Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4955-02	Instrumnet Name :	P7
Client Sample ID :	MH2GW6	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:24:34	DataFile Name :	074SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3080473	3044685	3016510	3047223	1.05	cps
Antimony	121-1	1719287	1720394	1682432	1707371	1.27	cps
Arsenic	75-2	7509	7345	7322	7392	1.38	cps
Barium	135-1	1840602	1869340	1823064	1844335	1.27	cps
Barium	137-1	3151522	3187451	3180063	3173012	0.60	cps
Beryllium	9-1	1661	1461	1295	1472	12.47	cps
Bismuth	209-1	18086044	17973909	17988269	18016074	0.34	cps
Bismuth	209-2	13141716	13074473	13058635	13091608	0.34	cps
Bromine	81-1	59014	61819	63643	61492	3.79	cps
Bromine	81-2	9373	8969	9396	9246	2.60	cps
Cadmium	108-1	3104	3004	2977	3028	2.21	cps
Cadmium	106-1	13910	13643	13767	13773	0.97	cps
Cadmium	111-1	24601	24851	24660	24704	0.53	cps
Calcium	43-1	4523343	4536864	4468527	4509578	0.80	cps
Calcium	44-1	73548076	73442992	72675404	73222157	0.65	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	375759	375817	372007	374528	0.58	cps
Cobalt	59-2	64357	63607	63008	63658	1.06	cps
Copper	63-2	1123924	1118246	1116648	1119606	0.34	cps
Dysprosium	156-1	94438	96354	95243	95345	1.01	cps
Dysprosium	156-2	73079	72858	73005	72981	0.15	cps
Erbium	164-1	84248	84259	84413	84307	0.11	cps
Erbium	164-2	53686	53964	53626	53758	0.34	cps
Gadolinium	160-1	89738	91913	90191	90614	1.27	cps
Gadolinium	160-2	62190	62284	61086	61853	1.08	cps
Holmium	165-1	28812849	28198865	28750491	28587402	1.18	cps
Holmium	165-2	18914327	18417126	18423531	18584995	1.53	cps
Indium	115-1	21830350	21851346	21876079	21852592	0.10	cps
Indium	115-2	7347099	7190302	7101616	7213006	1.72	cps
Iron	56-2	81132205	81507652	79841095	80826984	1.08	cps
Iron	57-2	2096618	2124955	2072391	2097988	1.25	cps
Iron	54-2	4410112	4393240	4374316	4392556	0.41	cps
Krypton	83-1	323	327	423	358	15.88	cps

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4955-02	Instrumnet Name :	P7
Client Sample ID :	MH2GW6	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:24:34	DataFile Name :	074SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1925935	1963715	1936827	1942159	1.00	cps
Lead	207-1	1619751	1638635	1633446	1630610	0.60	cps
Lead	208-1	7508809	7575479	7547225	7543838	0.44	cps
Lithium	6-1	2223891	2199649	2233880	2219140	0.79	cps
Magnesium	24-2	6454142	6510259	6447049	6470483	0.54	cps
Manganese	55-2	4705596	4676143	4624497	4668745	0.88	cps
Molybdenum	94-1	724396	718071	715731	719399	0.62	cps
Molybdenum	95-1	35650	36800	36198	36216	1.59	cps
Molybdenum	96-1	155937	155036	154167	155047	0.57	cps
Molybdenum	97-1	22033	22975	22618	22542	2.11	cps
Molybdenum	98-1	58419	58423	58945	58596	0.52	cps
Neodymium	150-1	154917	159042	156852	156937	1.32	cps
Neodymium	150-2	87220	86114	85805	86380	0.86	cps
Nickel	60-2	92106	91660	91564	91777	0.32	cps
Phosphorus	31-2	47256	47654	46340	47083	1.43	cps
Potassium	39-2	9085222	9095291	8961508	9047340	0.82	cps
Rhodium	103-1	20214629	20012441	20006861	20077977	0.59	cps
Rhodium	103-2	11902879	11763711	11668513	11778368	1.00	cps
Scandium	45-1	10688379	10601059	10562758	10617399	0.61	cps
Scandium	45-2	915236	912653	905241	911043	0.57	cps
Selenium	82-1	1366	1328	1163	1286	8.37	cps
Selenium	77-2	297	260	293	283	7.15	cps
Selenium	78-2	753	743	680	726	5.48	cps
Silicon	28-1	62107387	62902459	62698026	62569291	0.66	cps
Silver	107-1	38725	39069	38979	38924	0.46	cps
Silver	109-1	35711	35841	36750	36100	1.57	cps
Sodium	23-2	23284080	23176302	23020050	23160144	0.57	cps
Strontium	86-1	1906404	1922788	1900585	1909926	0.60	cps
Strontium	88-1	16756514	16698372	16749435	16734774	0.19	cps
Sulfur	34-1	874399	873742	872548	873563	0.11	cps
Terbium	159-1	29013655	29113756	29361501	29162971	0.61	cps
Terbium	159-2	18097554	18331328	18042913	18157265	0.84	cps
Thallium	203-1	4671	4754	4664	4696	1.07	cps
Thallium	205-1	11088	11518	11301	11303	1.90	cps
Tin	118-1	385618	390378	391474	389157	0.80	cps
Titanium	47-1	488943	487661	485341	487315	0.37	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4955-02	Instrumnet Name :	P7
Client Sample ID :	MH2GW6	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:24:34	DataFile Name :	074SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	287765	290738	290815	289772	0.60	cps
Vanadium	51-2	112431	114883	111847	113054	1.42	cps
Yttrium	89-1	25940378	25853879	25670139	25821465	0.53	cps
Yttrium	89-2	6416435	6383472	6318052	6372653	0.79	cps
Zinc	66-2	3245999	3222774	3193544	3220772	0.82	cps
Zirconium	90-1	1888125	1925537	1860058	1891240	1.74	cps
Zirconium	91-1	415805	426904	416210	419640	1.50	cps

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On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4955-03	Instrumnet Name :	P7
Client Sample ID :	MH2GW7	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:27:32	DataFile Name :	075SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2781300	2764141	2755630	2767023	0.47	cps
Antimony	121-1	2058343	2025369	2085698	2056470	1.47	cps
Arsenic	75-2	9443	9557	9753	9584	1.64	cps
Barium	135-1	1373521	1373917	1374569	1374003	0.04	cps
Barium	137-1	2457084	2386556	2415632	2419757	1.46	cps
Beryllium	9-1	2006	1883	1928	1939	3.19	cps
Bismuth	209-1	17860026	18044566	18231312	18045301	1.03	cps
Bismuth	209-2	13049623	13071122	13089624	13070123	0.15	cps
Bromine	81-1	67969	68742	70832	69181	2.14	cps
Bromine	81-2	9847	10064	9797	9902	1.43	cps
Cadmium	108-1	2000	1970	2010	1993	1.04	cps
Cadmium	106-1	10487	10747	10170	10468	2.76	cps
Cadmium	111-1	29854	30001	29231	29695	1.38	cps
Calcium	43-1	4811496	4809051	4682008	4767518	1.55	cps
Calcium	44-1	77171759	76837622	76368569	76792650	0.53	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	347095	348653	347101	347616	0.26	cps
Cobalt	59-2	78343	77623	79727	78564	1.36	cps
Copper	63-2	1287365	1288941	1287136	1287814	0.08	cps
Dysprosium	156-1	118528	120787	119779	119698	0.95	cps
Dysprosium	156-2	90797	91797	92566	91720	0.97	cps
Erbium	164-1	106552	106798	106274	106541	0.25	cps
Erbium	164-2	68155	66976	68209	67780	1.03	cps
Gadolinium	160-1	111873	111281	112514	111889	0.55	cps
Gadolinium	160-2	76112	75287	76524	75974	0.83	cps
Holmium	165-1	28824685	29002600	28889424	28905570	0.31	cps
Holmium	165-2	18241022	18586711	18467681	18431805	0.95	cps
Indium	115-1	22039419	21681372	21817235	21846009	0.83	cps
Indium	115-2	7137488	7250864	7141158	7176503	0.90	cps
Iron	56-2	96193879	95931312	95218679	95781290	0.53	cps
Iron	57-2	2479477	2496927	2449208	2475204	0.98	cps
Iron	54-2	5247313	5239905	5201507	5229575	0.47	cps
Krypton	83-1	447	447	477	457	3.79	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4955-03	Instrumnet Name :	P7
Client Sample ID :	MH2GW7	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:27:32	DataFile Name :	075SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1599058	1598543	1600997	1599533	0.08	cps
Lead	207-1	1322816	1340966	1344011	1335931	0.86	cps
Lead	208-1	6188976	6274458	6260468	6241301	0.73	cps
Lithium	6-1	2261552	2220742	2184996	2222430	1.72	cps
Magnesium	24-2	6875746	6850078	6899782	6875202	0.36	cps
Manganese	55-2	5010354	4982913	4933061	4975443	0.79	cps
Molybdenum	94-1	173812	173536	171924	173091	0.59	cps
Molybdenum	95-1	56117	55970	56127	56071	0.16	cps
Molybdenum	96-1	83520	84435	83041	83665	0.85	cps
Molybdenum	97-1	34411	34230	34217	34286	0.32	cps
Molybdenum	98-1	90092	90488	89767	90115	0.40	cps
Neodymium	150-1	193918	194230	191590	193246	0.75	cps
Neodymium	150-2	106091	107284	107056	106810	0.59	cps
Nickel	60-2	102609	103390	103443	103148	0.45	cps
Phosphorus	31-2	51643	53326	52152	52374	1.65	cps
Potassium	39-2	8358908	8301316	8262688	8307637	0.58	cps
Rhodium	103-1	20000405	20031758	19955806	19995989	0.19	cps
Rhodium	103-2	11700620	11672899	11633265	11668928	0.29	cps
Scandium	45-1	10519034	10468444	10421553	10469677	0.47	cps
Scandium	45-2	909456	912265	911075	910932	0.15	cps
Selenium	82-1	1266	1283	1290	1280	0.98	cps
Selenium	77-2	373	363	333	357	5.84	cps
Selenium	78-2	713	767	737	739	3.62	cps
Silicon	28-1	71114912	70300057	70678217	70697729	0.58	cps
Silver	107-1	31735	31374	31481	31530	0.59	cps
Silver	109-1	29884	30108	30439	30144	0.93	cps
Sodium	23-2	28388861	28373314	28156345	28306173	0.46	cps
Strontium	86-1	2185057	2190144	2182746	2185982	0.17	cps
Strontium	88-1	19232889	18923189	19035867	19063982	0.82	cps
Sulfur	34-1	1195601	1186678	1189187	1190489	0.39	cps
Terbium	159-1	29088840	29092276	28895587	29025568	0.39	cps
Terbium	159-2	17858166	17995445	18007180	17953597	0.46	cps
Thallium	203-1	5601	5748	5825	5725	1.98	cps
Thallium	205-1	13657	14057	13814	13843	1.46	cps
Tin	118-1	376395	376892	375976	376421	0.12	cps
Titanium	47-1	486358	488342	489724	488141	0.35	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4955-03	Instrumnet Name :	P7
Client Sample ID :	MH2GW7	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:27:32	DataFile Name :	075SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	367998	363982	367957	366646	0.63	cps
Vanadium	51-2	120183	118137	119444	119255	0.87	cps
Yttrium	89-1	26081653	26003385	25769370	25951469	0.63	cps
Yttrium	89-2	6427324	6424520	6416173	6422673	0.09	cps
Zinc	66-2	1828677	1814505	1827916	1823699	0.44	cps
Zirconium	90-1	380558	384706	377006	380757	1.01	cps
Zirconium	91-1	86211	86899	87746	86952	0.88	cps

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On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4955-04	Instrumnet Name :	P7
Client Sample ID :	MH2GW8	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:30:33	DataFile Name :	076SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3119870	3142068	3121600	3127846	0.39	cps
Antimony	121-1	26180	26578	26555	26438	0.84	cps
Arsenic	75-2	9903	9633	9983	9840	1.87	cps
Barium	135-1	2237903	2227920	2238195	2234673	0.26	cps
Barium	137-1	3842792	3856095	3832105	3843664	0.31	cps
Beryllium	9-1	2606	2806	3078	2830	8.38	cps
Bismuth	209-1	17748161	17685850	17674112	17702708	0.22	cps
Bismuth	209-2	12688181	12622582	12692594	12667786	0.31	cps
Bromine	81-1	31754	33127	33461	32781	2.76	cps
Bromine	81-2	3510	3450	3674	3545	3.26	cps
Cadmium	108-1	11284	10954	10691	10976	2.71	cps
Cadmium	106-1	22651	22184	22267	22367	1.11	cps
Cadmium	111-1	167013	168214	168993	168073	0.59	cps
Calcium	43-1	5517235	5479385	5466877	5487832	0.48	cps
Calcium	44-1	88948912	89612629	88389479	88983673	0.69	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	268011	263741	266211	265988	0.81	cps
Cobalt	59-2	104833	102826	104433	104031	1.02	cps
Copper	63-2	631222	630731	631582	631179	0.07	cps
Dysprosium	156-1	183894	186295	185681	185290	0.67	cps
Dysprosium	156-2	140023	141066	141720	140936	0.61	cps
Erbium	164-1	168291	168331	166361	167661	0.67	cps
Erbium	164-2	105968	106294	106633	106298	0.31	cps
Gadolinium	160-1	173493	174428	173290	173737	0.35	cps
Gadolinium	160-2	115077	115122	115202	115134	0.05	cps
Holmium	165-1	28835800	28678528	28377144	28630490	0.81	cps
Holmium	165-2	18304883	18109240	18256311	18223478	0.56	cps
Indium	115-1	21613614	21637156	21729166	21659979	0.28	cps
Indium	115-2	7122504	7088151	7062831	7091162	0.42	cps
Iron	56-2	137280765	136042958	135377768	136233830	0.71	cps
Iron	57-2	3500675	3480174	3460470	3480440	0.58	cps
Iron	54-2	7411150	7387707	7289598	7362818	0.88	cps
Krypton	83-1	477	467	447	463	3.30	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4955-04	Instrumnet Name :	P7
Client Sample ID :	MH2GW8	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:30:33	DataFile Name :	076SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	7496978	7504164	7537127	7512756	0.28	cps
Lead	207-1	6800594	6838331	6737001	6791976	0.75	cps
Lead	208-1	30606095	30667227	30239841	30504388	0.76	cps
Lithium	6-1	2170451	2134878	2146588	2150639	0.84	cps
Magnesium	24-2	22266173	22295460	22034877	22198837	0.64	cps
Manganese	55-2	5205348	5193570	5162647	5187189	0.43	cps
Molybdenum	94-1	62349	62794	61753	62298	0.84	cps
Molybdenum	95-1	43648	43040	44056	43581	1.17	cps
Molybdenum	96-1	55157	54090	54431	54559	1.00	cps
Molybdenum	97-1	27817	27663	27062	27514	1.45	cps
Molybdenum	98-1	70874	70723	71822	71140	0.84	cps
Neodymium	150-1	301896	303743	301911	302517	0.35	cps
Neodymium	150-2	165141	164025	164281	164482	0.36	cps
Nickel	60-2	160708	161239	159343	160430	0.61	cps
Phosphorus	31-2	65134	63605	63240	63993	1.57	cps
Potassium	39-2	4525638	4509348	4435668	4490218	1.07	cps
Rhodium	103-1	19630609	19674489	19389032	19564710	0.79	cps
Rhodium	103-2	11604947	11495203	11457814	11519321	0.66	cps
Scandium	45-1	10581481	10578566	10512210	10557419	0.37	cps
Scandium	45-2	912075	897733	897919	902576	0.91	cps
Selenium	82-1	1699	1708	1694	1700	0.40	cps
Selenium	77-2	493	483	613	530	13.65	cps
Selenium	78-2	887	980	973	947	5.50	cps
Silicon	28-1	72008767	70815647	70406491	71076968	1.17	cps
Silver	107-1	13480	13670	13503	13551	0.77	cps
Silver	109-1	13159	12886	12696	12914	1.81	cps
Sodium	23-2	34819867	34642541	34654785	34705731	0.29	cps
Strontium	86-1	2578150	2650635	2604688	2611157	1.40	cps
Strontium	88-1	22682451	22668477	22495644	22615524	0.46	cps
Sulfur	34-1	1367464	1344693	1351555	1354571	0.86	cps
Terbium	159-1	29852332	29177091	28702203	29243875	1.98	cps
Terbium	159-2	18136704	17728961	17494324	17786663	1.83	cps
Thallium	203-1	7285	7119	7302	7235	1.40	cps
Thallium	205-1	17678	17461	17615	17585	0.63	cps
Tin	118-1	150416	152183	152481	151693	0.74	cps
Titanium	47-1	190331	190045	190912	190429	0.23	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4955-04	Instrumnet Name :	P7
Client Sample ID :	MH2GW8	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:30:33	DataFile Name :	076SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	752165	770383	764688	762412	1.22	cps
Vanadium	51-2	154303	153272	153202	153592	0.40	cps
Yttrium	89-1	26893459	26661939	26485272	26680223	0.77	cps
Yttrium	89-2	6524370	6564033	6528136	6538846	0.33	cps
Zinc	66-2	631146	624076	628415	627879	0.57	cps
Zirconium	90-1	103327	102629	102813	102923	0.35	cps
Zirconium	91-1	22951	22828	22908	22896	0.27	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	CCV003	Instrumnet Name :	P7
Client Sample ID :	CCV003	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:33:33	DataFile Name :	077CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	20981933	21031311	21149530	21054258	0.41	cps
Antimony	121-1	10986853	10946541	10826279	10919891	0.77	cps
Arsenic	75-2	559805	556227	557195	557742	0.33	cps
Barium	135-1	13953621	14029919	13830763	13938101	0.72	cps
Barium	137-1	24064800	24142332	23971330	24059487	0.36	cps
Beryllium	9-1	980205	1023507	968970	990894	2.91	cps
Bismuth	209-1	15324500	15139377	15193842	15219240	0.63	cps
Bismuth	209-2	10941056	10979392	11002180	10974209	0.28	cps
Bromine	81-1	16339	16566	16109	16338	1.40	cps
Bromine	81-2	273	243	223	247	10.20	cps
Cadmium	108-1	218284	219752	216227	218087	0.81	cps
Cadmium	106-1	316511	312958	311313	313594	0.85	cps
Cadmium	111-1	2910478	2910332	2916411	2912407	0.12	cps
Calcium	43-1	12581837	12628859	12501437	12570711	0.51	cps
Calcium	44-1	203956710	203304350	203247977	203503013	0.19	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4032836	4057765	4038633	4043078	0.32	cps
Cobalt	59-2	6427615	6378148	6409332	6405032	0.39	cps
Copper	63-2	48516116	48166088	48465639	48382614	0.39	cps
Dysprosium	156-1	723	740	703	722	2.54	cps
Dysprosium	156-2	930	907	883	907	2.57	cps
Erbium	164-1	710	683	617	670	7.18	cps
Erbium	164-2	400	470	507	459	11.81	cps
Gadolinium	160-1	633	553	580	589	6.92	cps
Gadolinium	160-2	1120	1213	1250	1195	5.61	cps
Holmium	165-1	25959669	26146772	26240790	26115744	0.55	cps
Holmium	165-2	16979204	16830532	16757788	16855841	0.67	cps
Indium	115-1	19532745	19396097	19130042	19352961	1.06	cps
Indium	115-2	6536093	6481119	6509571	6508928	0.42	cps
Iron	56-2	918207373	908385613	917731720	914774902	0.61	cps
Iron	57-2	22867670	22642246	22749062	22752993	0.50	cps
Iron	54-2	49698116	49163668	49604193	49488659	0.58	cps
Krypton	83-1	350	283	323	319	10.52	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	CCV003	Instrumnet Name :	P7
Client Sample ID :	CCV003	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:33:33	DataFile Name :	077CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	42835360	42633046	41863419	42443942	1.21	cps
Lead	207-1	37781276	37573156	36997730	37450721	1.08	cps
Lead	208-1	172234238	170579531	168839104	170550958	1.00	cps
Lithium	6-1	1928910	1986213	1992122	1969082	1.77	cps
Magnesium	24-2	180731800	179149525	179748517	179876614	0.44	cps
Manganese	55-2	31402090	31253156	31398994	31351413	0.27	cps
Molybdenum	94-1	38374182	38410113	38215363	38333219	0.27	cps
Molybdenum	95-1	55626688	55463301	55834023	55641337	0.33	cps
Molybdenum	96-1	60695141	60576892	60758494	60676842	0.15	cps
Molybdenum	97-1	34973410	34808752	34642630	34808264	0.48	cps
Molybdenum	98-1	90269662	90380322	90369012	90339665	0.07	cps
Neodymium	150-1	943	960	907	937	2.91	cps
Neodymium	150-2	310	313	283	302	5.44	cps
Nickel	60-2	2216756	2191184	2169638	2192526	1.08	cps
Phosphorus	31-2	203024	202832	204268	203374	0.38	cps
Potassium	39-2	104545548	105287808	104946062	104926473	0.35	cps
Rhodium	103-1	17615653	17646550	17265210	17509138	1.21	cps
Rhodium	103-2	10228840	10157870	10188995	10191902	0.35	cps
Scandium	45-1	10154965	9939976	9826771	9973904	1.67	cps
Scandium	45-2	873855	864974	872126	870319	0.54	cps
Selenium	82-1	169217	169275	168197	168896	0.36	cps
Selenium	77-2	16042	15882	16132	16019	0.79	cps
Selenium	78-2	55490	54189	54630	54770	1.21	cps
Silicon	28-1	27309665	28107310	27735906	27717627	1.44	cps
Silver	107-1	14033051	14029329	13734345	13932242	1.23	cps
Silver	109-1	13591744	13505018	13727554	13608105	0.82	cps
Sodium	23-2	278958563	281404469	278208449	279523827	0.60	cps
Strontium	86-1	3359596	3390764	3322356	3357572	1.02	cps
Strontium	88-1	29295306	29372103	28933905	29200438	0.80	cps
Sulfur	34-1	965741	960388	956428	960852	0.49	cps
Terbium	159-1	26534548	26105625	25892694	26177622	1.25	cps
Terbium	159-2	16315204	16372905	16549616	16412575	0.74	cps
Thallium	203-1	10775715	10819527	10660314	10751852	0.76	cps
Thallium	205-1	25693722	25747764	25294130	25578539	0.97	cps
Tin	118-1	9229279	9195370	9100601	9175084	0.73	cps
Titanium	47-1	12502991	12373439	12300233	12392221	0.83	cps

Reviewed By:jaswal
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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	CCV003	Instrumnet Name :	P7
Client Sample ID :	CCV003	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:33:33	DataFile Name :	077CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	34737165	34527851	34412167	34559061	0.48	cps
Vanadium	51-2	3583161	3526048	3622678	3577296	1.36	cps
Yttrium	89-1	22912151	22949059	22338549	22733253	1.51	cps
Yttrium	89-2	5756269	5645480	5697516	5699755	0.97	cps
Zinc	66-2	7983310	7944515	7933607	7953811	0.33	cps
Zirconium	90-1	18691456	18751723	18431155	18624778	0.91	cps
Zirconium	91-1	4143184	4141175	4145579	4143313	0.05	cps

Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	CCB003	Instrumnet Name :	P7
Client Sample ID :	CCB003	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:36:16	DataFile Name :	078CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1520	1377	1213	1370	11.20	cps
Antimony	121-1	3187	4041	5548	4258	28.07	cps
Arsenic	75-2	60	53	63	59	8.65	cps
Barium	135-1	1380	1267	1200	1282	7.10	cps
Barium	137-1	2410	2210	2074	2231	7.59	cps
Beryllium	9-1	233	211	233	226	5.68	cps
Bismuth	209-1	16700131	16962383	17042197	16901571	1.06	cps
Bismuth	209-2	12456231	12554277	12607160	12539223	0.61	cps
Bromine	81-1	15114	15872	14848	15278	3.48	cps
Bromine	81-2	183	177	147	169	11.57	cps
Cadmium	108-1	43	57	47	49	14.20	cps
Cadmium	106-1	7045	6762	6408	6738	4.74	cps
Cadmium	111-1	5248	5010	4796	5018	4.50	cps
Calcium	43-1	2227	2060	1940	2076	6.94	cps
Calcium	44-1	47538	44378	43405	45107	4.79	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2547	2460	2440	2482	2.28	cps
Cobalt	59-2	467	430	417	438	5.91	cps
Copper	63-2	5088	4807	4264	4720	8.87	cps
Dysprosium	156-1	20	33	37	30	29.40	cps
Dysprosium	156-2	40	20	20	27	43.30	cps
Erbium	164-1	130	107	113	117	10.30	cps
Erbium	164-2	73	77	93	81	13.21	cps
Gadolinium	160-1	103	133	140	126	15.56	cps
Gadolinium	160-2	873	833	883	863	3.06	cps
Holmium	165-1	26692640	26437540	26570828	26567003	0.48	cps
Holmium	165-2	17203194	17315704	17270620	17263173	0.33	cps
Indium	115-1	20733848	20609397	20785110	20709452	0.44	cps
Indium	115-2	7106582	6991886	6978759	7025742	1.00	cps
Iron	56-2	86765	79623	75472	80620	7.09	cps
Iron	57-2	2560	2720	2304	2528	8.32	cps
Iron	54-2	6495	6078	5734	6102	6.24	cps
Krypton	83-1	280	347	253	293	16.39	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	CCB003	Instrumnet Name :	P7
Client Sample ID :	CCB003	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:36:16	DataFile Name :	078CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	6858	6001	5391	6084	12.12	cps
Lead	207-1	5811	4988	4704	5168	11.13	cps
Lead	208-1	26567	23438	21634	23880	10.45	cps
Lithium	6-1	2228328	2190158	2199768	2206085	0.90	cps
Magnesium	24-2	12940	11899	10811	11883	8.96	cps
Manganese	55-2	3604	3357	3197	3386	6.05	cps
Molybdenum	94-1	4521	4151	4144	4272	5.05	cps
Molybdenum	95-1	5768	5498	5478	5581	2.90	cps
Molybdenum	96-1	6732	6098	6145	6325	5.58	cps
Molybdenum	97-1	3787	3557	3597	3647	3.37	cps
Molybdenum	98-1	9600	9046	9390	9345	2.99	cps
Neodymium	150-1	3	20	13	12	68.66	cps
Neodymium	150-2	10	10	10	10	0.00	cps
Nickel	60-2	4786	4694	4714	4731	1.02	cps
Phosphorus	31-2	183	240	217	213	13.35	cps
Potassium	39-2	77228	76424	74494	76048	1.85	cps
Rhodium	103-1	19432877	19276183	19410384	19373148	0.44	cps
Rhodium	103-2	11506081	11369704	11479851	11451879	0.63	cps
Scandium	45-1	10106252	10262578	10111269	10160033	0.87	cps
Scandium	45-2	884488	882746	877198	881477	0.43	cps
Selenium	82-1	714	588	648	650	9.69	cps
Selenium	77-2	10	0	7	6	91.64	cps
Selenium	78-2	397	420	467	428	8.33	cps
Silicon	28-1	1306121	1251081	1191968	1249723	4.57	cps
Silver	107-1	2544	2144	1767	2151	18.06	cps
Silver	109-1	2417	1977	1790	2061	15.61	cps
Sodium	23-2	72520	70638	68056	70404	3.18	cps
Strontium	86-1	973	867	920	920	5.80	cps
Strontium	88-1	3911	3547	3460	3639	6.56	cps
Sulfur	34-1	281529	280887	280056	280824	0.26	cps
Terbium	159-1	26944505	26832970	26852481	26876652	0.22	cps
Terbium	159-2	16978933	17086957	16993523	17019804	0.34	cps
Thallium	203-1	3024	2514	2484	2674	11.35	cps
Thallium	205-1	7289	6241	5394	6308	15.04	cps
Tin	118-1	6121	5631	5401	5718	6.43	cps
Titanium	47-1	1163	1013	890	1022	13.39	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	CCB003	Instrumnet Name :	P7
Client Sample ID :	CCB003	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:36:16	DataFile Name :	078CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	3067	2854	2510	2810	10.00	cps
Vanadium	51-2	253	180	250	228	18.18	cps
Yttrium	89-1	23466956	23243782	23092385	23267708	0.81	cps
Yttrium	89-2	5870089	5886929	5862607	5873208	0.21	cps
Zinc	66-2	1807	1680	1770	1752	3.72	cps
Zirconium	90-1	2924	2940	3110	2991	3.45	cps
Zirconium	91-1	617	653	607	626	3.93	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4955-05	Instrumnet Name :	P7
Client Sample ID :	MH2GW8D	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:39:53	DataFile Name :	079SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3129621	3125372	3128926	3127973	0.07	cps
Antimony	121-1	25990	26314	26905	26403	1.76	cps
Arsenic	75-2	9950	10104	9500	9851	3.19	cps
Barium	135-1	2151717	2183859	2176935	2170837	0.78	cps
Barium	137-1	3750888	3755347	3756857	3754364	0.08	cps
Beryllium	9-1	3050	2911	3000	2987	2.36	cps
Bismuth	209-1	16948377	16963986	16990813	16967725	0.13	cps
Bismuth	209-2	12406158	12323471	12360434	12363355	0.34	cps
Bromine	81-1	30655	30849	31978	31161	2.29	cps
Bromine	81-2	3374	3307	3397	3359	1.39	cps
Cadmium	108-1	10637	10451	10547	10545	0.89	cps
Cadmium	106-1	21486	21546	21619	21551	0.31	cps
Cadmium	111-1	163722	165041	164303	164355	0.40	cps
Calcium	43-1	5470321	5473239	5447115	5463558	0.26	cps
Calcium	44-1	88508875	88788415	88054945	88450745	0.42	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	261788	261069	261364	261407	0.14	cps
Cobalt	59-2	102974	101893	102611	102492	0.54	cps
Copper	63-2	622383	622580	620924	621962	0.15	cps
Dysprosium	156-1	176211	178793	178826	177943	0.84	cps
Dysprosium	156-2	138525	138703	139332	138853	0.31	cps
Erbium	164-1	160864	161492	163006	161787	0.68	cps
Erbium	164-2	104739	102909	103328	103659	0.92	cps
Gadolinium	160-1	167107	167434	168250	167597	0.35	cps
Gadolinium	160-2	114063	114399	113105	113856	0.59	cps
Holmium	165-1	27833275	27751381	27586582	27723746	0.45	cps
Holmium	165-2	17841690	17834542	17764256	17813496	0.24	cps
Indium	115-1	21241396	20771471	20833445	20948771	1.22	cps
Indium	115-2	7030710	6918499	6919670	6956293	0.93	cps
Iron	56-2	135934845	133835398	134230845	134667029	0.83	cps
Iron	57-2	3433896	3440858	3425922	3433559	0.22	cps
Iron	54-2	7294071	7254167	7342281	7296839	0.60	cps
Krypton	83-1	497	523	450	490	7.58	cps

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4955-05	Instrumnet Name :	P7
Client Sample ID :	MH2GW8D	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:39:53	DataFile Name :	079SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	7302627	7181930	7308455	7264338	0.98	cps
Lead	207-1	6582760	6593422	6483466	6553216	0.93	cps
Lead	208-1	29566404	29515590	29255400	29445798	0.57	cps
Lithium	6-1	2232484	2152659	2142194	2175779	2.27	cps
Magnesium	24-2	22367709	22332601	22257198	22319169	0.25	cps
Manganese	55-2	5199529	5134232	5150529	5161430	0.66	cps
Molybdenum	94-1	62533	61100	61488	61707	1.20	cps
Molybdenum	95-1	42425	42655	42779	42620	0.42	cps
Molybdenum	96-1	53267	52510	53651	53143	1.09	cps
Molybdenum	97-1	26280	26905	27195	26793	1.75	cps
Molybdenum	98-1	69119	69594	70857	69857	1.29	cps
Neodymium	150-1	293298	291015	293710	292675	0.50	cps
Neodymium	150-2	163937	160686	160939	161854	1.12	cps
Nickel	60-2	160278	158828	159129	159412	0.48	cps
Phosphorus	31-2	62992	63966	63598	63519	0.77	cps
Potassium	39-2	4483825	4455994	4453997	4464605	0.37	cps
Rhodium	103-1	19437736	19123997	19172649	19244794	0.88	cps
Rhodium	103-2	11372283	11223449	11255187	11283640	0.69	cps
Scandium	45-1	10540994	10443050	10365707	10449917	0.84	cps
Scandium	45-2	891425	896447	890242	892704	0.37	cps
Selenium	82-1	1648	1448	1550	1549	6.44	cps
Selenium	77-2	557	483	460	500	10.09	cps
Selenium	78-2	833	860	953	882	7.14	cps
Silicon	28-1	71042761	70023449	70774191	70613467	0.75	cps
Silver	107-1	14744	14080	14080	14302	2.68	cps
Silver	109-1	13603	13273	13406	13427	1.24	cps
Sodium	23-2	34651946	35103868	34461075	34738963	0.95	cps
Strontium	86-1	2548424	2548777	2555990	2551064	0.17	cps
Strontium	88-1	22188360	22225735	22190440	22201511	0.09	cps
Sulfur	34-1	1375208	1352867	1351942	1360006	0.97	cps
Terbium	159-1	27875676	27753814	28128752	27919414	0.69	cps
Terbium	159-2	17687802	17747569	17598781	17678051	0.42	cps
Thallium	203-1	8903	8720	8356	8659	3.22	cps
Thallium	205-1	21347	20339	19958	20548	3.49	cps
Tin	118-1	148695	147399	150251	148782	0.96	cps
Titanium	47-1	186720	185248	186419	186129	0.42	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4955-05	Instrumnet Name :	P7
Client Sample ID :	MH2GW8D	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:39:53	DataFile Name :	079SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	719858	735097	735588	730181	1.22	cps
Vanadium	51-2	151383	150444	150582	150803	0.34	cps
Yttrium	89-1	25980251	25656707	25855135	25830698	0.63	cps
Yttrium	89-2	6490739	6394133	6392683	6425852	0.87	cps
Zinc	66-2	616525	616002	618059	616862	0.17	cps
Zirconium	90-1	100593	100588	100393	100525	0.11	cps
Zirconium	91-1	22350	22177	22364	22297	0.47	cps

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On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4955-04LX5	Instrumnet Name :	P7
Client Sample ID :	MH2GW8L	Dilution Factor :	5
Date & Time Acquired :	2024-11-27 20:42:57	DataFile Name :	080SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	598076	595034	592026	595045	0.51	cps
Antimony	121-1	5104	5024	5805	5311	8.08	cps
Arsenic	75-2	2044	1807	1903	1918	6.21	cps
Barium	135-1	407108	409777	408374	408419	0.33	cps
Barium	137-1	703819	708795	707365	706660	0.36	cps
Beryllium	9-1	578	617	489	561	11.67	cps
Bismuth	209-1	17279579	16763150	16775908	16939546	1.74	cps
Bismuth	209-2	12559043	12421350	12508178	12496190	0.56	cps
Bromine	81-1	17794	18155	18024	17991	1.01	cps
Bromine	81-2	783	767	660	737	9.08	cps
Cadmium	108-1	2050	2260	1890	2067	8.98	cps
Cadmium	106-1	9863	9793	9336	9664	2.96	cps
Cadmium	111-1	35647	36099	35350	35699	1.06	cps
Calcium	43-1	1088173	1098144	1097488	1094602	0.51	cps
Calcium	44-1	17026874	17086445	16905816	17006378	0.54	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	52709	52076	52019	52268	0.73	cps
Cobalt	59-2	20247	19887	20237	20124	1.02	cps
Copper	63-2	124875	122805	123732	123804	0.84	cps
Dysprosium	156-1	34135	34265	33537	33979	1.14	cps
Dysprosium	156-2	26305	26402	26084	26263	0.62	cps
Erbium	164-1	30584	30189	30670	30481	0.84	cps
Erbium	164-2	19968	19654	19427	19683	1.38	cps
Gadolinium	160-1	31071	32167	32204	31814	2.02	cps
Gadolinium	160-2	21937	22241	22555	22244	1.39	cps
Holmium	165-1	28055703	26881841	27016980	27318175	2.35	cps
Holmium	165-2	17553382	17446762	17343841	17447995	0.60	cps
Indium	115-1	21915574	21127535	20982059	21341722	2.35	cps
Indium	115-2	7048439	7092155	7045830	7062141	0.37	cps
Iron	56-2	25800496	25806984	25693927	25767136	0.25	cps
Iron	57-2	684770	686421	682139	684443	0.32	cps
Iron	54-2	1400688	1427170	1431362	1419740	1.17	cps
Krypton	83-1	273	297	317	296	7.34	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4955-04LX5	Instrumnet Name :	P7
Client Sample ID :	MH2GW8L	Dilution Factor :	5
Date & Time Acquired :	2024-11-27 20:42:57	DataFile Name :	080SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1377470	1385533	1371999	1378334	0.49	cps
Lead	207-1	1230712	1237318	1223432	1230487	0.56	cps
Lead	208-1	5540830	5564586	5531609	5545675	0.31	cps
Lithium	6-1	2197128	2152237	2082964	2144110	2.68	cps
Magnesium	24-2	4284629	4350237	4354209	4329691	0.90	cps
Manganese	55-2	1004729	1003882	1000306	1002972	0.23	cps
Molybdenum	94-1	11928	12065	11515	11836	2.42	cps
Molybdenum	95-1	8893	8539	8406	8613	2.92	cps
Molybdenum	96-1	10270	10481	10347	10366	1.03	cps
Molybdenum	97-1	5184	5431	5614	5410	3.99	cps
Molybdenum	98-1	13363	13673	13930	13655	2.08	cps
Neodymium	150-1	54217	55228	55030	54825	0.98	cps
Neodymium	150-2	30987	31365	30727	31026	1.03	cps
Nickel	60-2	35311	34638	34507	34819	1.24	cps
Phosphorus	31-2	12398	12662	12916	12659	2.04	cps
Potassium	39-2	961183	963123	965838	963381	0.24	cps
Rhodium	103-1	20013739	19327133	19445632	19595501	1.87	cps
Rhodium	103-2	11446639	11393460	11165796	11335298	1.32	cps
Scandium	45-1	10717304	10403027	10288644	10469658	2.12	cps
Scandium	45-2	893533	897980	898804	896772	0.32	cps
Selenium	82-1	1005	849	769	874	13.72	cps
Selenium	77-2	110	90	120	107	14.32	cps
Selenium	78-2	527	550	463	513	8.74	cps
Silicon	28-1	13901450	13800313	13921647	13874470	0.47	cps
Silver	107-1	2824	2724	2827	2791	2.10	cps
Silver	109-1	2580	2837	2554	2657	5.89	cps
Sodium	23-2	6834242	6768870	6748125	6783746	0.66	cps
Strontium	86-1	482726	486133	489633	486164	0.71	cps
Strontium	88-1	4225354	4257898	4203681	4228977	0.65	cps
Sulfur	34-1	465098	468293	466397	466596	0.34	cps
Terbium	159-1	28602516	27096619	27294941	27664692	2.96	cps
Terbium	159-2	17198136	17306479	17108363	17204326	0.58	cps
Thallium	203-1	1967	2004	1807	1926	5.43	cps
Thallium	205-1	4751	4501	4467	4573	3.39	cps
Tin	118-1	32420	32507	32346	32424	0.25	cps
Titanium	47-1	35986	36086	36257	36110	0.38	cps

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4955-04LX5	Instrumnet Name :	P7
Client Sample ID :	MH2GW8L	Dilution Factor :	5
Date & Time Acquired :	2024-11-27 20:42:57	DataFile Name :	080SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	138100	136117	138212	137476	0.86	cps
Vanadium	51-2	28757	28206	29349	28771	1.99	cps
Yttrium	89-1	25053729	24189575	24092252	24445185	2.17	cps
Yttrium	89-2	5997913	5986192	5993234	5992447	0.10	cps
Zinc	66-2	122766	123559	121902	122742	0.67	cps
Zirconium	90-1	19233	19076	19313	19207	0.63	cps
Zirconium	91-1	4124	4407	4207	4246	3.43	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4955-06	Instrumnet Name :	P7
Client Sample ID :	MH2GW8S	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:46:08	DataFile Name :	081SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3199821	3170148	3177529	3182499	0.49	cps
Antimony	121-1	515846	520650	520292	518929	0.52	cps
Arsenic	75-2	19016	19379	19159	19185	0.96	cps
Barium	135-1	4554181	4545963	4510163	4536769	0.52	cps
Barium	137-1	7901985	7831067	7721881	7818311	1.16	cps
Beryllium	9-1	23768	23657	23607	23677	0.35	cps
Bismuth	209-1	16939699	16946920	16973559	16953393	0.11	cps
Bismuth	209-2	12397625	12289403	12218559	12301862	0.73	cps
Bromine	81-1	28688	29747	29690	29375	2.03	cps
Bromine	81-2	3060	2900	2987	2983	2.69	cps
Cadmium	108-1	15041	14204	14818	14688	2.95	cps
Cadmium	106-1	27466	27503	26270	27080	2.59	cps
Cadmium	111-1	225726	225895	225712	225778	0.05	cps
Calcium	43-1	5504158	5450546	5354071	5436258	1.40	cps
Calcium	44-1	89251409	87253595	87046649	87850551	1.39	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	613095	610477	607208	610260	0.48	cps
Cobalt	59-2	1508785	1522449	1511899	1514378	0.47	cps
Copper	63-2	1119869	1113572	1110743	1114728	0.42	cps
Dysprosium	156-1	176548	178202	177480	177410	0.47	cps
Dysprosium	156-2	137061	137189	137616	137289	0.21	cps
Erbium	164-1	161451	162618	161674	161914	0.38	cps
Erbium	164-2	104266	103204	103986	103819	0.53	cps
Gadolinium	160-1	167286	167579	167289	167385	0.10	cps
Gadolinium	160-2	113703	112269	112471	112814	0.69	cps
Holmium	165-1	27800411	27717830	27527334	27681858	0.51	cps
Holmium	165-2	17846132	17732726	17681904	17753588	0.47	cps
Indium	115-1	21208211	20821536	21088936	21039561	0.94	cps
Indium	115-2	7005989	6961240	7030740	6999323	0.50	cps
Iron	56-2	134104428	134842931	134383188	134443516	0.28	cps
Iron	57-2	3412643	3434571	3435061	3427425	0.37	cps
Iron	54-2	7267296	7326809	7317879	7303994	0.44	cps
Krypton	83-1	517	413	457	462	11.23	cps

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4955-06	Instrumnet Name :	P7
Client Sample ID :	MH2GW8S	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:46:08	DataFile Name :	081SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	8304213	8400177	8322595	8342328	0.61	cps
Lead	207-1	7602588	7590793	7604624	7599335	0.10	cps
Lead	208-1	33875706	33971051	34013542	33953433	0.21	cps
Lithium	6-1	2113515	2139088	2048030	2100211	2.24	cps
Magnesium	24-2	22363288	22468766	22305647	22379233	0.37	cps
Manganese	55-2	5621448	5679610	5677103	5659387	0.58	cps
Molybdenum	94-1	58222	59202	57847	58424	1.20	cps
Molybdenum	95-1	42244	42639	43023	42635	0.91	cps
Molybdenum	96-1	52494	52601	52447	52514	0.15	cps
Molybdenum	97-1	26985	26574	26791	26783	0.77	cps
Molybdenum	98-1	70107	69159	70573	69946	1.03	cps
Neodymium	150-1	288166	290264	290859	289763	0.49	cps
Neodymium	150-2	160104	159443	159248	159598	0.28	cps
Nickel	60-2	644956	651327	649709	648664	0.51	cps
Phosphorus	31-2	62136	61396	61352	61628	0.71	cps
Potassium	39-2	4445966	4356157	4350569	4384230	1.22	cps
Rhodium	103-1	19119523	19079503	19058501	19085842	0.16	cps
Rhodium	103-2	11114827	11264329	11085983	11155046	0.86	cps
Scandium	45-1	10536580	10301425	10216640	10351548	1.60	cps
Scandium	45-2	898362	890343	892190	893632	0.47	cps
Selenium	82-1	8951	9237	8922	9036	1.93	cps
Selenium	77-2	1283	1157	1247	1229	5.30	cps
Selenium	78-2	3067	3294	3410	3257	5.36	cps
Silicon	28-1	67586571	67431167	66848666	67288801	0.58	cps
Silver	107-1	321465	320278	320703	320815	0.19	cps
Silver	109-1	309455	306253	304809	306839	0.77	cps
Sodium	23-2	34124519	34249089	33763679	34045763	0.74	cps
Strontium	86-1	2537940	2538091	2563472	2546501	0.58	cps
Strontium	88-1	22011501	22001032	22014839	22009124	0.03	cps
Sulfur	34-1	1327533	1305811	1298288	1310544	1.16	cps
Terbium	159-1	28255685	28013462	27902340	28057162	0.64	cps
Terbium	159-2	17426370	17479190	17549021	17484860	0.35	cps
Thallium	203-1	246016	248774	249992	248261	0.82	cps
Thallium	205-1	589983	591846	597099	592976	0.62	cps
Tin	118-1	151029	150190	150089	150436	0.34	cps
Titanium	47-1	186612	183744	182883	184413	1.06	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4955-06	Instrumnet Name :	P7
Client Sample ID :	MH2GW8S	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:46:08	DataFile Name :	081SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	724594	730896	724299	726596	0.51	cps
Vanadium	51-2	905831	899031	898958	901273	0.44	cps
Yttrium	89-1	25880646	25957950	25958471	25932356	0.17	cps
Yttrium	89-2	6466237	6417445	6435116	6439599	0.38	cps
Zinc	66-2	788052	781409	781825	783762	0.47	cps
Zirconium	90-1	92472	92737	92210	92473	0.28	cps
Zirconium	91-1	20141	20641	20621	20468	1.39	cps

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LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4902-01	Instrumnet Name :	P7
Client Sample ID :	E29Y8	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:49:09	DataFile Name :	082SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	635055	640462	641918	639145	0.57	cps
Antimony	121-1	2340	2360	2267	2322	2.12	cps
Arsenic	75-2	4471	4271	4131	4291	3.98	cps
Barium	135-1	177704	179557	177955	178405	0.56	cps
Barium	137-1	308801	310149	309723	309558	0.22	cps
Beryllium	9-1	422	439	461	441	4.43	cps
Bismuth	209-1	16920801	16850998	17006609	16926136	0.46	cps
Bismuth	209-2	12237768	12261598	12224864	12241410	0.15	cps
Bromine	81-1	18795	19573	19670	19346	2.48	cps
Bromine	81-2	1093	1167	1097	1119	3.70	cps
Cadmium	108-1	107	127	110	114	9.36	cps
Cadmium	106-1	6752	7399	6838	6996	5.02	cps
Cadmium	111-1	5625	6117	5750	5831	4.39	cps
Calcium	43-1	10183181	10209833	10201971	10198328	0.13	cps
Calcium	44-1	163918578	163734118	165086568	164246421	0.45	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	40010	40665	39742	40139	1.18	cps
Cobalt	59-2	49274	48435	48873	48860	0.86	cps
Copper	63-2	63976	64190	63470	63879	0.58	cps
Dysprosium	156-1	47333	47911	46848	47364	1.12	cps
Dysprosium	156-2	35057	34626	34893	34859	0.62	cps
Erbium	164-1	42859	42524	42354	42579	0.60	cps
Erbium	164-2	27731	27424	27066	27407	1.21	cps
Gadolinium	160-1	48604	48781	47507	48297	1.43	cps
Gadolinium	160-2	33243	33807	32985	33345	1.26	cps
Holmium	165-1	27948016	27873137	27666932	27829362	0.52	cps
Holmium	165-2	17926501	17978086	17843711	17916100	0.38	cps
Indium	115-1	21386179	21163115	21165094	21238129	0.60	cps
Indium	115-2	7173562	7193703	7144330	7170532	0.35	cps
Iron	56-2	51712823	52070858	51575734	51786471	0.49	cps
Iron	57-2	1462650	1475397	1481961	1473336	0.67	cps
Iron	54-2	2819486	2849562	2788649	2819233	1.08	cps
Krypton	83-1	357	367	360	361	1.41	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4902-01	Instrumnet Name :	P7
Client Sample ID :	E29Y8	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:49:09	DataFile Name :	082SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	170802	172206	170994	171334	0.44	cps
Lead	207-1	139877	137830	139850	139186	0.84	cps
Lead	208-1	651815	655803	650010	652543	0.45	cps
Lithium	6-1	2101535	2081481	2112260	2098425	0.74	cps
Magnesium	24-2	47322709	47222747	46983095	47176183	0.37	cps
Manganese	55-2	1857609	1854652	1842336	1851532	0.44	cps
Molybdenum	94-1	10267	10384	10537	10396	1.30	cps
Molybdenum	95-1	10277	10194	10621	10364	2.18	cps
Molybdenum	96-1	11868	12292	12479	12213	2.56	cps
Molybdenum	97-1	6525	6081	6395	6334	3.60	cps
Molybdenum	98-1	16773	17077	17040	16963	0.98	cps
Neodymium	150-1	69859	69370	69014	69414	0.61	cps
Neodymium	150-2	38382	38228	39101	38570	1.21	cps
Nickel	60-2	31232	31406	32284	31641	1.78	cps
Phosphorus	31-2	14730	14290	15104	14708	2.77	cps
Potassium	39-2	366004	366907	367084	366665	0.16	cps
Rhodium	103-1	19618678	19472196	19482108	19524327	0.42	cps
Rhodium	103-2	11698304	11603386	11625808	11642499	0.43	cps
Scandium	45-1	10676958	10704509	10477805	10619758	1.16	cps
Scandium	45-2	937652	930125	932664	933481	0.41	cps
Selenium	82-1	978	848	851	892	8.30	cps
Selenium	77-2	123	173	120	139	21.51	cps
Selenium	78-2	513	577	573	554	6.43	cps
Silicon	28-1	12751071	12639696	12516628	12635798	0.93	cps
Silver	107-1	1533	1260	1350	1381	10.09	cps
Silver	109-1	1357	1257	1143	1252	8.52	cps
Sodium	23-2	308306	308586	309310	308734	0.17	cps
Strontium	86-1	1397351	1414482	1398818	1403550	0.68	cps
Strontium	88-1	12305503	12150535	12251923	12235987	0.64	cps
Sulfur	34-1	353904	356756	357363	356007	0.52	cps
Terbium	159-1	28257975	28141878	28179583	28193145	0.21	cps
Terbium	159-2	17587721	17564606	17413095	17521807	0.54	cps
Thallium	203-1	2410	2427	2364	2400	1.37	cps
Thallium	205-1	5735	5691	5708	5711	0.38	cps
Tin	118-1	9390	9610	9356	9452	1.46	cps
Titanium	47-1	83495	82698	82483	82892	0.64	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4902-01	Instrumnet Name :	P7
Client Sample ID :	E29Y8	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:49:09	DataFile Name :	082SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	75398	74198	74531	74709	0.83	cps
Vanadium	51-2	48344	48802	48183	48443	0.66	cps
Yttrium	89-1	25319840	25064536	25028347	25137575	0.63	cps
Yttrium	89-2	6362882	6394606	6320660	6359383	0.58	cps
Zinc	66-2	44907	43450	43653	44003	1.79	cps
Zirconium	90-1	13051	12586	12365	12667	2.76	cps
Zirconium	91-1	2694	2770	2827	2764	2.42	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4902-02	Instrumnet Name :	P7
Client Sample ID :	E2A12	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:52:20	DataFile Name :	083SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1014874	1020811	1012233	1015973	0.43	cps
Antimony	121-1	2450	2557	2564	2524	2.52	cps
Arsenic	75-2	5464	5351	5518	5444	1.56	cps
Barium	135-1	316139	316351	312843	315111	0.62	cps
Barium	137-1	544314	549014	544184	545838	0.50	cps
Beryllium	9-1	494	617	572	561	11.03	cps
Bismuth	209-1	17169754	17051063	16895139	17038652	0.81	cps
Bismuth	209-2	12372171	12367551	12388281	12376001	0.09	cps
Bromine	81-1	19997	20828	21115	20647	2.81	cps
Bromine	81-2	1373	1277	1480	1377	7.39	cps
Cadmium	108-1	80	137	107	108	26.30	cps
Cadmium	106-1	7035	7322	7282	7213	2.15	cps
Cadmium	111-1	5989	6100	6126	6071	1.20	cps
Calcium	43-1	9862258	9842199	9923612	9876023	0.43	cps
Calcium	44-1	160092264	161711864	159794211	160532780	0.64	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	48588	48745	48367	48567	0.39	cps
Cobalt	59-2	60019	60016	59390	59808	0.61	cps
Copper	63-2	165497	165885	165924	165769	0.14	cps
Dysprosium	156-1	47293	47587	47995	47625	0.74	cps
Dysprosium	156-2	35354	35729	35652	35578	0.56	cps
Erbium	164-1	42561	42314	42063	42313	0.59	cps
Erbium	164-2	27380	27594	27153	27376	0.81	cps
Gadolinium	160-1	48240	48580	48761	48527	0.55	cps
Gadolinium	160-2	33216	33457	33370	33347	0.37	cps
Holmium	165-1	28615240	28019693	27880895	28171943	1.38	cps
Holmium	165-2	18380239	18147270	18325586	18284365	0.67	cps
Indium	115-1	22144545	21829630	21664621	21879599	1.11	cps
Indium	115-2	7260660	7228570	7219962	7236398	0.30	cps
Iron	56-2	66656671	66012991	66230779	66300147	0.49	cps
Iron	57-2	1846937	1840586	1842774	1843432	0.18	cps
Iron	54-2	3637596	3607519	3598209	3614441	0.57	cps
Krypton	83-1	367	377	367	370	1.56	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4902-02	Instrumnet Name :	P7
Client Sample ID :	E2A12	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:52:20	DataFile Name :	083SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	219595	222735	217373	219901	1.23	cps
Lead	207-1	176466	178645	176807	177306	0.66	cps
Lead	208-1	830112	835843	826972	830976	0.54	cps
Lithium	6-1	2135701	2101329	2053138	2096723	1.98	cps
Magnesium	24-2	53780854	53628759	53403498	53604371	0.35	cps
Manganese	55-2	1951278	1941856	1952315	1948483	0.30	cps
Molybdenum	94-1	9456	9980	9807	9748	2.74	cps
Molybdenum	95-1	8909	8649	8666	8742	1.67	cps
Molybdenum	96-1	10724	10747	10801	10757	0.37	cps
Molybdenum	97-1	5848	5648	5561	5686	2.59	cps
Molybdenum	98-1	14374	14330	14387	14364	0.21	cps
Neodymium	150-1	73081	72609	73149	72946	0.40	cps
Neodymium	150-2	40227	40625	39605	40153	1.28	cps
Nickel	60-2	46588	47692	48132	47471	1.68	cps
Phosphorus	31-2	10650	10797	10590	10679	1.00	cps
Potassium	39-2	404365	403754	400134	402751	0.57	cps
Rhodium	103-1	19999896	19645347	19736861	19794035	0.93	cps
Rhodium	103-2	11733833	11624159	11744658	11700883	0.57	cps
Scandium	45-1	10912127	10829753	10930219	10890700	0.49	cps
Scandium	45-2	943315	954808	949292	949139	0.61	cps
Selenium	82-1	963	976	917	952	3.25	cps
Selenium	77-2	130	140	147	139	6.04	cps
Selenium	78-2	587	727	573	629	13.51	cps
Silicon	28-1	23365208	23253022	23262327	23293519	0.27	cps
Silver	107-1	1343	1500	1420	1421	5.51	cps
Silver	109-1	1203	1283	1323	1270	4.81	cps
Sodium	23-2	326437	328056	329630	328041	0.49	cps
Strontium	86-1	1802850	1801587	1815571	1806669	0.43	cps
Strontium	88-1	15701165	15722570	15550106	15657947	0.60	cps
Sulfur	34-1	353478	354182	351354	353004	0.42	cps
Terbium	159-1	28950941	28519184	28672535	28714220	0.76	cps
Terbium	159-2	17930345	17874352	17762441	17855712	0.48	cps
Thallium	203-1	2530	2407	2617	2518	4.19	cps
Thallium	205-1	6111	6211	6302	6208	1.53	cps
Tin	118-1	14031	13036	13336	13468	3.79	cps
Titanium	47-1	97144	96948	95365	96485	1.01	cps

Reviewed By:jaswal
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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4902-02	Instrumnet Name :	P7
Client Sample ID :	E2A12	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:52:20	DataFile Name :	083SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	88964	89394	88723	89027	0.38	cps
Vanadium	51-2	66787	66747	66485	66673	0.25	cps
Yttrium	89-1	25587782	25414686	25318913	25440460	0.54	cps
Yttrium	89-2	6419059	6439844	6393709	6417538	0.36	cps
Zinc	66-2	54660	55402	55559	55207	0.87	cps
Zirconium	90-1	12215	12165	12108	12163	0.44	cps
Zirconium	91-1	2760	2774	2904	2813	2.82	cps

Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4902-03	Instrumnet Name :	P7
Client Sample ID :	E2A12D	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:55:32	DataFile Name :	084SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1061691	1052576	1046478	1053582	0.73	cps
Antimony	121-1	2557	2927	3060	2848	9.16	cps
Arsenic	75-2	5481	5554	5678	5571	1.78	cps
Barium	135-1	325940	323993	328619	326184	0.71	cps
Barium	137-1	568165	565541	564907	566204	0.31	cps
Beryllium	9-1	644	717	556	639	12.63	cps
Bismuth	209-1	17003425	17091459	16888646	16994510	0.60	cps
Bismuth	209-2	12458999	12474984	12408322	12447435	0.28	cps
Bromine	81-1	20748	21122	21065	20978	0.96	cps
Bromine	81-2	1333	1273	1213	1273	4.71	cps
Cadmium	108-1	127	100	130	119	13.83	cps
Cadmium	106-1	7602	7542	7462	7535	0.93	cps
Cadmium	111-1	6373	6369	6446	6396	0.67	cps
Calcium	43-1	10028082	9895772	9839659	9921171	0.98	cps
Calcium	44-1	161136828	160011048	160029914	160392597	0.40	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	50775	49394	48986	49718	1.89	cps
Cobalt	59-2	62001	62152	61870	62007	0.23	cps
Copper	63-2	109272	106663	106811	107582	1.36	cps
Dysprosium	156-1	49567	49249	49580	49466	0.38	cps
Dysprosium	156-2	36758	36257	35969	36328	1.10	cps
Erbium	164-1	43598	42886	43912	43465	1.21	cps
Erbium	164-2	27878	27641	27567	27695	0.59	cps
Gadolinium	160-1	49173	49403	49259	49278	0.24	cps
Gadolinium	160-2	34168	34014	34332	34172	0.46	cps
Holmium	165-1	28708019	28599094	27854970	28387361	1.64	cps
Holmium	165-2	18392211	18294876	18288851	18325313	0.32	cps
Indium	115-1	22067691	21737237	21476493	21760474	1.36	cps
Indium	115-2	7327578	7198886	7205036	7243833	1.00	cps
Iron	56-2	68972034	68565847	68240656	68592846	0.53	cps
Iron	57-2	1898303	1900382	1875026	1891237	0.74	cps
Iron	54-2	3758296	3761049	3721495	3746947	0.59	cps
Krypton	83-1	397	427	350	391	9.88	cps

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4902-03	Instrumnet Name :	P7
Client Sample ID :	E2A12D	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:55:32	DataFile Name :	084SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	222660	227502	229518	226560	1.56	cps
Lead	207-1	180350	184069	185722	183380	1.50	cps
Lead	208-1	848851	863594	872500	861648	1.39	cps
Lithium	6-1	2181565	2129759	2090020	2133782	2.15	cps
Magnesium	24-2	53716041	53196152	53033940	53315378	0.67	cps
Manganese	55-2	2047805	2034405	1992856	2025022	1.41	cps
Molybdenum	94-1	10507	11031	12355	11298	8.43	cps
Molybdenum	95-1	10344	10931	12299	11191	8.96	cps
Molybdenum	96-1	12095	13083	14861	13346	10.50	cps
Molybdenum	97-1	6451	7095	7519	7022	7.65	cps
Molybdenum	98-1	16319	18065	19877	18087	9.84	cps
Neodymium	150-1	75608	73922	74991	74840	1.14	cps
Neodymium	150-2	41675	40715	41361	41250	1.19	cps
Nickel	60-2	39635	40275	40277	40062	0.92	cps
Phosphorus	31-2	10657	10761	10844	10754	0.87	cps
Potassium	39-2	423400	418127	417397	419641	0.78	cps
Rhodium	103-1	20204138	20133975	19895433	20077849	0.81	cps
Rhodium	103-2	11735079	11791696	11646686	11724487	0.62	cps
Scandium	45-1	11060872	10833130	10965352	10953118	1.04	cps
Scandium	45-2	958524	956522	953849	956298	0.25	cps
Selenium	82-1	1016	909	939	955	5.76	cps
Selenium	77-2	120	173	147	147	18.18	cps
Selenium	78-2	487	587	547	540	9.32	cps
Silicon	28-1	24355617	24082765	24092644	24177009	0.64	cps
Silver	107-1	1650	2007	2384	2013	18.22	cps
Silver	109-1	1467	1797	2257	1840	21.57	cps
Sodium	23-2	348338	341593	334156	341362	2.08	cps
Strontium	86-1	1856830	1819635	1835607	1837357	1.02	cps
Strontium	88-1	16099806	16080264	15751842	15977304	1.22	cps
Sulfur	34-1	360004	355544	355264	356938	0.75	cps
Terbium	159-1	28578480	28707029	28542071	28609193	0.30	cps
Terbium	159-2	18107881	17790287	17986544	17961571	0.89	cps
Thallium	203-1	2557	2990	3237	2928	11.76	cps
Thallium	205-1	6438	6932	7662	7011	8.78	cps
Tin	118-1	10534	10587	10754	10625	1.08	cps
Titanium	47-1	100320	98099	98256	98892	1.25	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4902-03	Instrumnet Name :	P7
Client Sample ID :	E2A12D	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 20:55:32	DataFile Name :	084SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	87810	90155	90686	89551	1.71	cps
Vanadium	51-2	69948	69111	69094	69384	0.70	cps
Yttrium	89-1	25967633	25711205	25378920	25685919	1.15	cps
Yttrium	89-2	6428384	6461281	6475855	6455174	0.38	cps
Zinc	66-2	56791	56272	56165	56409	0.59	cps
Zirconium	90-1	13546	13420	13993	13653	2.21	cps
Zirconium	91-1	2960	3004	3104	3023	2.43	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4902-02LX5	Instrumnet Name :	P7
Client Sample ID :	E2A12L	Dilution Factor :	5
Date & Time Acquired :	2024-11-27 20:58:42	DataFile Name :	085SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	201515	201538	197649	200234	1.12	cps
Antimony	121-1	550	543	613	569	6.79	cps
Arsenic	75-2	1100	1010	997	1036	5.43	cps
Barium	135-1	60254	59942	60023	60073	0.27	cps
Barium	137-1	105111	104850	104906	104956	0.13	cps
Beryllium	9-1	189	178	200	189	5.88	cps
Bismuth	209-1	17571363	17082032	17064529	17239308	1.67	cps
Bismuth	209-2	12754446	12644268	12518793	12639169	0.93	cps
Bromine	81-1	16606	16663	16606	16625	0.20	cps
Bromine	81-2	287	383	360	343	14.69	cps
Cadmium	108-1	47	23	53	41	38.32	cps
Cadmium	106-1	7485	7188	7105	7260	2.75	cps
Cadmium	111-1	5467	5249	5193	5303	2.73	cps
Calcium	43-1	1966873	1932630	1939452	1946318	0.93	cps
Calcium	44-1	31133521	31373195	31265306	31257341	0.38	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	11451	11238	11661	11450	1.85	cps
Cobalt	59-2	11618	12198	11735	11850	2.59	cps
Copper	63-2	21856	21182	21589	21542	1.58	cps
Dysprosium	156-1	9960	9303	9173	9479	4.45	cps
Dysprosium	156-2	6998	7102	6998	7033	0.85	cps
Erbium	164-1	8059	8109	8026	8065	0.52	cps
Erbium	164-2	5451	5198	5098	5249	3.47	cps
Gadolinium	160-1	9200	9180	8913	9097	1.76	cps
Gadolinium	160-2	7142	7049	7205	7132	1.11	cps
Holmium	165-1	27934330	27421592	27061454	27472458	1.60	cps
Holmium	165-2	17907821	18117761	17928713	17984765	0.64	cps
Indium	115-1	21839080	21790690	21689550	21773107	0.35	cps
Indium	115-2	7409822	7383542	7306166	7366510	0.73	cps
Iron	56-2	13121043	12997175	12959086	13025768	0.65	cps
Iron	57-2	369245	370113	369118	369492	0.15	cps
Iron	54-2	744751	733160	743250	740387	0.85	cps
Krypton	83-1	333	280	303	306	8.75	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4902-02LX5	Instrumnet Name :	P7
Client Sample ID :	E2A12L	Dilution Factor :	5
Date & Time Acquired :	2024-11-27 20:58:42	DataFile Name :	085SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	42834	43222	42266	42774	1.12	cps
Lead	207-1	34343	34637	33732	34237	1.35	cps
Lead	208-1	162436	162216	159575	161409	0.99	cps
Lithium	6-1	2157897	2138536	2198740	2165058	1.42	cps
Magnesium	24-2	10508764	10501587	10459576	10489976	0.25	cps
Manganese	55-2	386540	386070	385898	386170	0.09	cps
Molybdenum	94-1	2370	2217	2424	2337	4.59	cps
Molybdenum	95-1	2147	1910	1963	2007	6.19	cps
Molybdenum	96-1	2450	2357	2327	2378	2.71	cps
Molybdenum	97-1	1230	1330	1340	1300	4.68	cps
Molybdenum	98-1	3320	3217	3164	3234	2.46	cps
Neodymium	150-1	13904	13660	13957	13840	1.14	cps
Neodymium	150-2	7876	7882	7932	7897	0.39	cps
Nickel	60-2	10438	10825	10465	10576	2.04	cps
Phosphorus	31-2	2387	2464	2247	2366	4.64	cps
Potassium	39-2	143140	139939	140562	141213	1.20	cps
Rhodium	103-1	20585426	20172223	20273703	20343784	1.06	cps
Rhodium	103-2	11991692	11935231	11843068	11923330	0.63	cps
Scandium	45-1	11058433	10939692	10994109	10997412	0.54	cps
Scandium	45-2	951060	948683	946535	948759	0.24	cps
Selenium	82-1	900	884	861	882	2.23	cps
Selenium	77-2	40	37	27	34	20.14	cps
Selenium	78-2	493	453	437	461	6.32	cps
Silicon	28-1	5457787	5395074	5395940	5416267	0.66	cps
Silver	107-1	397	470	537	468	14.97	cps
Silver	109-1	390	340	363	364	6.86	cps
Sodium	23-2	113840	111936	111030	112269	1.28	cps
Strontium	86-1	350142	348661	344460	347755	0.85	cps
Strontium	88-1	3044964	3081987	3019617	3048856	1.03	cps
Sulfur	34-1	323341	322403	326534	324092	0.67	cps
Terbium	159-1	28756863	28041027	27924553	28240814	1.60	cps
Terbium	159-2	17898706	17562541	18010616	17823954	1.31	cps
Thallium	203-1	717	747	680	714	4.67	cps
Thallium	205-1	1990	1830	1810	1877	5.26	cps
Tin	118-1	5488	5448	4934	5290	5.84	cps
Titanium	47-1	18735	20485	18955	19392	4.92	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4902-02LX5	Instrumnet Name :	P7
Client Sample ID :	E2A12L	Dilution Factor :	5
Date & Time Acquired :	2024-11-27 20:58:42	DataFile Name :	085SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	16804	16867	16323	16665	1.79	cps
Vanadium	51-2	12702	13072	12398	12724	2.65	cps
Yttrium	89-1	25556304	24725226	24823201	25034910	1.81	cps
Yttrium	89-2	6285171	6347444	6278226	6303614	0.60	cps
Zinc	66-2	11778	11952	12075	11935	1.25	cps
Zirconium	90-1	3190	3337	3327	3285	2.50	cps
Zirconium	91-1	693	667	793	718	9.30	cps

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On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4902-04	Instrumnet Name :	P7
Client Sample ID :	E2A12S	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 21:01:58	DataFile Name :	086SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1241787	1244117	1229104	1238336	0.65	cps
Antimony	121-1	521855	518575	520812	520414	0.32	cps
Arsenic	75-2	15518	15648	15805	15657	0.92	cps
Barium	135-1	2825769	2884857	2848542	2853056	1.04	cps
Barium	137-1	4841685	4966882	4897862	4902143	1.28	cps
Beryllium	9-1	23351	22934	22650	22978	1.53	cps
Bismuth	209-1	16867231	17011708	16885920	16921620	0.46	cps
Bismuth	209-2	12487158	12442579	12502434	12477391	0.25	cps
Bromine	81-1	20347	20992	21659	20999	3.12	cps
Bromine	81-2	1373	1297	1253	1308	4.65	cps
Cadmium	108-1	4431	4794	4424	4550	4.66	cps
Cadmium	106-1	13997	13493	13483	13658	2.15	cps
Cadmium	111-1	73272	72695	72913	72960	0.40	cps
Calcium	43-1	9949668	9926273	9956139	9944027	0.16	cps
Calcium	44-1	160997484	158866008	160860138	160241210	0.74	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	438433	432531	432703	434556	0.77	cps
Cobalt	59-2	1591025	1605100	1615639	1603921	0.77	cps
Copper	63-2	641486	640995	641008	641163	0.04	cps
Dysprosium	156-1	49012	49734	49396	49381	0.73	cps
Dysprosium	156-2	36089	36865	36634	36530	1.09	cps
Erbium	164-1	43230	43852	43805	43629	0.79	cps
Erbium	164-2	28339	28319	28075	28244	0.52	cps
Gadolinium	160-1	49163	49751	48778	49231	1.00	cps
Gadolinium	160-2	33664	34533	34693	34296	1.61	cps
Holmium	165-1	27986104	28053206	27958672	27999327	0.17	cps
Holmium	165-2	18319848	18306466	18142848	18256387	0.54	cps
Indium	115-1	21480326	21583458	21683192	21582325	0.47	cps
Indium	115-2	7287402	7225234	7169796	7227477	0.81	cps
Iron	56-2	70569217	70455617	69768176	70264337	0.62	cps
Iron	57-2	1923160	1947266	1976172	1948866	1.36	cps
Iron	54-2	3837677	3838575	3863950	3846734	0.39	cps
Krypton	83-1	367	353	440	387	12.07	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4902-04	Instrumnet Name :	P7
Client Sample ID :	E2A12S	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 21:01:58	DataFile Name :	086SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	300614	301720	299388	300574	0.39	cps
Lead	207-1	246806	246641	245602	246350	0.26	cps
Lead	208-1	1152526	1158001	1151348	1153958	0.31	cps
Lithium	6-1	2153146	2133644	2047662	2111484	2.66	cps
Magnesium	24-2	53506524	53837197	53600901	53648207	0.32	cps
Manganese	55-2	2717870	2728967	2723116	2723317	0.20	cps
Molybdenum	94-1	9360	9854	9527	9580	2.62	cps
Molybdenum	95-1	8899	9180	9110	9063	1.61	cps
Molybdenum	96-1	10884	10711	11101	10899	1.79	cps
Molybdenum	97-1	5628	5631	5468	5576	1.68	cps
Molybdenum	98-1	14417	14801	14504	14574	1.38	cps
Neodymium	150-1	74304	74747	74516	74522	0.30	cps
Neodymium	150-2	41845	41427	40876	41383	1.17	cps
Nickel	60-2	567093	572173	573471	570913	0.59	cps
Phosphorus	31-2	10781	10627	10680	10696	0.73	cps
Potassium	39-2	407119	409045	410895	409020	0.46	cps
Rhodium	103-1	19711790	19708737	19700403	19706977	0.03	cps
Rhodium	103-2	11818786	11717902	11627914	11721534	0.81	cps
Scandium	45-1	10961891	10773837	10987508	10907745	1.07	cps
Scandium	45-2	950082	953951	943681	949238	0.55	cps
Selenium	82-1	8945	8893	9106	8981	1.24	cps
Selenium	77-2	853	980	813	882	9.86	cps
Selenium	78-2	3374	3060	3177	3204	4.94	cps
Silicon	28-1	24143944	23774500	23859149	23925864	0.81	cps
Silver	107-1	326198	326276	327118	326530	0.16	cps
Silver	109-1	312822	312004	313468	312765	0.23	cps
Sodium	23-2	322248	319865	324491	322201	0.72	cps
Strontium	86-1	1855135	1845292	1846061	1848829	0.30	cps
Strontium	88-1	15988051	15848684	15994694	15943810	0.52	cps
Sulfur	34-1	364805	361778	358506	361697	0.87	cps
Terbium	159-1	28649064	28555723	28542617	28582468	0.20	cps
Terbium	159-2	17692628	17735083	17688872	17705528	0.14	cps
Thallium	203-1	252701	253317	251152	252390	0.44	cps
Thallium	205-1	598517	601294	607442	602418	0.76	cps
Tin	118-1	11708	11638	11685	11677	0.31	cps
Titanium	47-1	97622	98081	97116	97606	0.49	cps

Reviewed By:jaswal
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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4902-04	Instrumnet Name :	P7
Client Sample ID :	E2A12S	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 21:01:58	DataFile Name :	086SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	89142	90303	89273	89573	0.71	cps
Vanadium	51-2	894935	889267	892198	892133	0.32	cps
Yttrium	89-1	25636835	25442171	25455230	25511412	0.43	cps
Yttrium	89-2	6390286	6415668	6291219	6365724	1.03	cps
Zinc	66-2	240703	239005	239114	239608	0.40	cps
Zirconium	90-1	12562	12532	12932	12676	1.76	cps
Zirconium	91-1	2947	2610	2760	2773	6.08	cps

Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165237BL	Instrumnet Name :	P7
Client Sample ID :	PBW237	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 21:08:15	DataFile Name :	087CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	227	300	347	291	20.78	cps
Antimony	121-1	183	143	187	171	14.09	cps
Arsenic	75-2	7	13	10	10	33.30	cps
Barium	135-1	263	247	200	237	13.87	cps
Barium	137-1	397	297	300	331	17.15	cps
Beryllium	9-1	50	78	100	76	32.99	cps
Bismuth	209-1	16500211	16638632	16145387	16428077	1.55	cps
Bismuth	209-2	12632155	12455336	12396689	12494727	0.98	cps
Bromine	81-1	15125	14481	14831	14812	2.18	cps
Bromine	81-2	113	107	117	112	4.54	cps
Cadmium	108-1	40	30	7	26	66.92	cps
Cadmium	106-1	6318	6472	6388	6393	1.20	cps
Cadmium	111-1	4428	4539	4507	4491	1.27	cps
Calcium	43-1	1213	857	937	1002	18.67	cps
Calcium	44-1	29936	26553	26817	27769	6.78	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2927	2844	2647	2806	5.12	cps
Cobalt	59-2	183	183	183	183	0.00	cps
Copper	63-2	2070	1773	1880	1908	7.88	cps
Dysprosium	156-1	40	33	20	31	32.73	cps
Dysprosium	156-2	7	10	17	11	45.82	cps
Erbium	164-1	110	100	127	112	12.01	cps
Erbium	164-2	57	73	70	67	13.22	cps
Gadolinium	160-1	147	100	103	117	22.32	cps
Gadolinium	160-2	863	943	950	919	5.25	cps
Holmium	165-1	26467145	26373183	25950156	26263495	1.05	cps
Holmium	165-2	17414908	17482334	17442854	17446699	0.19	cps
Indium	115-1	21207082	20801252	20967960	20992098	0.97	cps
Indium	115-2	7224964	7238260	7220569	7227931	0.13	cps
Iron	56-2	30518	30367	29830	30238	1.20	cps
Iron	57-2	1367	1367	1430	1388	2.63	cps
Iron	54-2	3574	3677	3904	3718	4.54	cps
Krypton	83-1	300	243	293	279	11.11	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165237BL	Instrumnet Name :	P7
Client Sample ID :	PBW237	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 21:08:15	DataFile Name :	087CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1984	1797	1843	1875	5.18	cps
Lead	207-1	1667	1507	1740	1638	7.29	cps
Lead	208-1	8031	6991	7528	7516	6.92	cps
Lithium	6-1	2185678	2181132	2158536	2175115	0.67	cps
Magnesium	24-2	3696	3889	3716	3767	2.82	cps
Manganese	55-2	1300	1217	1200	1239	4.32	cps
Molybdenum	94-1	650	627	740	672	8.90	cps
Molybdenum	95-1	360	403	393	386	5.88	cps
Molybdenum	96-1	537	443	590	523	14.19	cps
Molybdenum	97-1	257	230	260	249	6.61	cps
Molybdenum	98-1	707	553	617	626	12.32	cps
Neodymium	150-1	23	10	17	17	39.99	cps
Neodymium	150-2	0	10	17	9	94.38	cps
Nickel	60-2	3778	4011	4192	3994	5.20	cps
Phosphorus	31-2	300	373	320	331	11.45	cps
Potassium	39-2	75241	72967	72421	73543	2.03	cps
Rhodium	103-1	19601888	19537813	19572219	19570640	0.16	cps
Rhodium	103-2	11724691	11697251	11649248	11690397	0.33	cps
Scandium	45-1	10575945	10596182	10509631	10560586	0.43	cps
Scandium	45-2	920114	925025	927757	924299	0.42	cps
Selenium	82-1	746	757	714	739	2.99	cps
Selenium	77-2	3	13	0	6	124.93	cps
Selenium	78-2	467	420	403	430	7.64	cps
Silicon	28-1	812181	811072	814317	812523	0.20	cps
Silver	107-1	233	267	197	232	15.08	cps
Silver	109-1	207	170	153	177	15.44	cps
Sodium	23-2	47021	46370	45808	46400	1.31	cps
Strontium	86-1	690	617	560	622	10.48	cps
Strontium	88-1	1707	1337	1370	1471	13.91	cps
Sulfur	34-1	318948	319545	318443	318979	0.17	cps
Terbium	159-1	26635530	26176940	26375451	26395974	0.87	cps
Terbium	159-2	16952758	17136566	17184015	17091113	0.71	cps
Thallium	203-1	597	670	703	657	8.31	cps
Thallium	205-1	1510	1390	1437	1446	4.18	cps
Tin	118-1	4017	3781	3911	3903	3.04	cps
Titanium	47-1	240	203	157	200	20.88	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165237BL	Instrumnet Name :	P7
Client Sample ID :	PBW237	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 21:08:15	DataFile Name :	087CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	150	87	80	106	36.60	cps
Vanadium	51-2	43	47	20	37	39.63	cps
Yttrium	89-1	24016970	23787797	23523622	23776130	1.04	cps
Yttrium	89-2	6099507	6111717	6064931	6092052	0.40	cps
Zinc	66-2	1110	1153	1123	1129	1.97	cps
Zirconium	90-1	1150	1063	1247	1153	7.95	cps
Zirconium	91-1	223	187	233	214	11.46	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165237BS	Instrumnet Name :	P7
Client Sample ID :	LCS237	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 21:11:33	DataFile Name :	088LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	21255	21338	20911	21168	1.07	cps
Antimony	121-1	104415	105376	103197	104329	1.05	cps
Arsenic	75-2	2604	2860	2604	2689	5.51	cps
Barium	135-1	125255	126627	125910	125931	0.54	cps
Barium	137-1	218567	219588	218040	218732	0.36	cps
Beryllium	9-1	5040	5090	4929	5019	1.64	cps
Bismuth	209-1	17167839	16652639	16671952	16830810	1.74	cps
Bismuth	209-2	12622332	12715445	12573382	12637053	0.57	cps
Bromine	81-1	14571	14147	14404	14374	1.48	cps
Bromine	81-2	87	83	87	86	2.25	cps
Cadmium	108-1	983	933	1113	1010	9.20	cps
Cadmium	106-1	8709	8282	7976	8322	4.43	cps
Cadmium	111-1	18971	18781	18280	18677	1.91	cps
Calcium	43-1	63030	61146	61618	61931	1.58	cps
Calcium	44-1	1018103	1020172	1012332	1016869	0.40	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	42867	43165	42316	42783	1.01	cps
Cobalt	59-2	33083	32442	32956	32827	1.03	cps
Copper	63-2	50578	50762	50398	50579	0.36	cps
Dysprosium	156-1	73	23	30	42	64.31	cps
Dysprosium	156-2	10	27	20	19	44.42	cps
Erbium	164-1	117	117	157	130	17.76	cps
Erbium	164-2	67	90	67	74	18.09	cps
Gadolinium	160-1	173	127	150	150	15.56	cps
Gadolinium	160-2	927	837	1050	938	11.42	cps
Holmium	165-1	27168968	26537888	26457175	26721344	1.46	cps
Holmium	165-2	17735319	17724853	17499814	17653329	0.75	cps
Indium	115-1	21926180	21291467	21046407	21421351	2.12	cps
Indium	115-2	7259929	7240487	7196547	7232321	0.45	cps
Iron	56-2	3670515	3660302	3691200	3674006	0.43	cps
Iron	57-2	96339	96343	96661	96448	0.19	cps
Iron	54-2	210963	209990	212193	211049	0.52	cps
Krypton	83-1	263	300	320	294	9.76	cps

Reviewed By:jaswal
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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165237BS	Instrumnet Name :	P7
Client Sample ID :	LCS237	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 21:11:33	DataFile Name :	088LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	43111	43763	42516	43130	1.45	cps
Lead	207-1	38515	37919	37572	38002	1.25	cps
Lead	208-1	171843	172873	170476	171731	0.70	cps
Lithium	6-1	2250622	2285816	2216467	2250968	1.54	cps
Magnesium	24-2	848230	852791	853224	851415	0.32	cps
Manganese	55-2	17490	17657	17370	17506	0.82	cps
Molybdenum	94-1	102952	104929	103153	103678	1.05	cps
Molybdenum	95-1	126632	126161	124810	125868	0.75	cps
Molybdenum	96-1	140177	141432	139945	140518	0.57	cps
Molybdenum	97-1	79096	79934	78017	79015	1.22	cps
Molybdenum	98-1	207884	205630	203599	205704	1.04	cps
Neodymium	150-1	37	23	23	28	27.73	cps
Neodymium	150-2	13	10	23	16	44.60	cps
Nickel	60-2	14922	14711	14097	14577	2.94	cps
Phosphorus	31-2	290	247	300	279	10.17	cps
Potassium	39-2	1129346	1123409	1127926	1126894	0.28	cps
Rhodium	103-1	20561950	19999773	19641873	20067865	2.31	cps
Rhodium	103-2	11787046	11618211	11608965	11671407	0.86	cps
Scandium	45-1	10924964	10748219	10792840	10822008	0.85	cps
Scandium	45-2	939010	933797	934278	935695	0.31	cps
Selenium	82-1	4955	4918	4703	4859	2.80	cps
Selenium	77-2	403	430	453	429	5.83	cps
Selenium	78-2	1723	1783	1857	1788	3.74	cps
Silicon	28-1	1251386	1284286	1257939	1264537	1.38	cps
Silver	107-1	66334	67864	66076	66758	1.45	cps
Silver	109-1	63351	64563	64590	64168	1.10	cps
Sodium	23-2	1407865	1400104	1416411	1408127	0.58	cps
Strontium	86-1	16403	16559	16633	16532	0.71	cps
Strontium	88-1	139561	138690	138811	139021	0.34	cps
Sulfur	34-1	320332	319900	322680	320971	0.47	cps
Terbium	159-1	27756686	27008255	26887349	27217430	1.73	cps
Terbium	159-2	17225156	17429280	17318534	17324323	0.59	cps
Thallium	203-1	50590	50383	51276	50750	0.92	cps
Thallium	205-1	120601	119405	120272	120093	0.51	cps
Tin	118-1	5331	4858	5048	5079	4.69	cps
Titanium	47-1	29348	29519	28560	29143	1.75	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165237BS	Instrumnet Name :	P7
Client Sample ID :	LCS237	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 21:11:33	DataFile Name :	088LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	150938	150625	150230	150598	0.24	cps
Vanadium	51-2	83932	83972	83690	83864	0.18	cps
Yttrium	89-1	24431970	24266782	23725620	24141458	1.53	cps
Yttrium	89-2	6125949	6091715	6088699	6102121	0.34	cps
Zinc	66-2	22116	22354	22133	22201	0.60	cps
Zirconium	90-1	88387	86469	85085	86647	1.91	cps
Zirconium	91-1	20010	19700	19410	19707	1.52	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165238BL	Instrumnet Name :	P7
Client Sample ID :	PBS238	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 21:14:48	DataFile Name :	089CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	330	303	370	334	10.03	cps
Antimony	121-1	537	343	207	362	45.78	cps
Arsenic	75-2	13	7	17	12	41.65	cps
Barium	135-1	1813	897	527	1079	61.40	cps
Barium	137-1	3257	1667	800	1908	65.31	cps
Beryllium	9-1	83	89	117	96	18.54	cps
Bismuth	209-1	16653533	16620401	16471699	16581878	0.58	cps
Bismuth	209-2	12675382	12716569	12695778	12695910	0.16	cps
Bromine	81-1	15472	14704	15171	15116	2.56	cps
Bromine	81-2	190	160	173	174	8.62	cps
Cadmium	108-1	27	13	13	18	43.33	cps
Cadmium	106-1	6995	7132	6805	6977	2.35	cps
Cadmium	111-1	5031	5060	4791	4961	2.98	cps
Calcium	43-1	6065	3797	1840	3901	54.20	cps
Calcium	44-1	111717	69765	42333	74605	46.84	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2484	2530	2300	2438	4.99	cps
Cobalt	59-2	177	137	150	154	13.19	cps
Copper	63-2	1830	1680	1687	1732	4.89	cps
Dysprosium	156-1	107	60	60	76	35.66	cps
Dysprosium	156-2	13	20	10	14	35.26	cps
Erbium	164-1	147	140	127	138	7.39	cps
Erbium	164-2	77	50	67	64	20.91	cps
Gadolinium	160-1	207	163	173	181	12.53	cps
Gadolinium	160-2	970	907	973	950	3.95	cps
Holmium	165-1	26623004	26308655	26220546	26384068	0.80	cps
Holmium	165-2	17841691	17605938	17795844	17747824	0.70	cps
Indium	115-1	21144599	20904751	21031697	21027016	0.57	cps
Indium	115-2	7245747	7273781	7346503	7288677	0.71	cps
Iron	56-2	31453	30855	31009	31105	1.00	cps
Iron	57-2	1530	1527	1523	1527	0.22	cps
Iron	54-2	3514	3270	3377	3387	3.60	cps
Krypton	83-1	257	300	250	269	10.10	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165238BL	Instrumnet Name :	P7
Client Sample ID :	PBS238	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 21:14:48	DataFile Name :	089CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	6048	4061	2617	4242	40.61	cps
Lead	207-1	5274	3434	2120	3609	43.90	cps
Lead	208-1	24693	15720	10082	16832	43.78	cps
Lithium	6-1	2299603	2229497	2269052	2266051	1.55	cps
Magnesium	24-2	4853	4659	4589	4700	2.91	cps
Manganese	55-2	1820	1787	1810	1806	0.95	cps
Molybdenum	94-1	1613	1087	790	1163	35.85	cps
Molybdenum	95-1	1747	1033	600	1127	51.39	cps
Molybdenum	96-1	2007	1337	800	1381	43.78	cps
Molybdenum	97-1	1200	637	423	753	53.27	cps
Molybdenum	98-1	2980	1807	977	1921	52.40	cps
Neodymium	150-1	137	47	43	76	70.08	cps
Neodymium	150-2	10	3	0	4	114.60	cps
Nickel	60-2	4357	4327	4321	4335	0.45	cps
Phosphorus	31-2	243	217	257	239	8.53	cps
Potassium	39-2	70854	71838	71778	71490	0.77	cps
Rhodium	103-1	19980070	19477827	19527356	19661751	1.41	cps
Rhodium	103-2	11863209	11760904	11775011	11799708	0.47	cps
Scandium	45-1	10801024	10583331	10637439	10673931	1.06	cps
Scandium	45-2	932712	936341	942738	937264	0.54	cps
Selenium	82-1	762	723	709	732	3.72	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	447	440	420	436	3.19	cps
Silicon	28-1	819225	808140	797480	808281	1.35	cps
Silver	107-1	747	503	383	544	34.00	cps
Silver	109-1	663	420	270	451	44.00	cps
Sodium	23-2	43040	42847	42044	42644	1.24	cps
Strontium	86-1	1957	1360	797	1371	42.31	cps
Strontium	88-1	12399	6772	3130	7434	62.82	cps
Sulfur	34-1	315352	316355	316069	315925	0.16	cps
Terbium	159-1	27003297	26597883	26331005	26644062	1.27	cps
Terbium	159-2	17142011	17291851	17398374	17277412	0.75	cps
Thallium	203-1	1107	947	800	951	16.13	cps
Thallium	205-1	2690	2200	1974	2288	16.01	cps
Tin	118-1	5394	5214	4778	5129	6.19	cps
Titanium	47-1	557	373	247	392	39.74	cps

Reviewed By:jaswal
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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165238BL	Instrumnet Name :	P7
Client Sample ID :	PBS238	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 21:14:48	DataFile Name :	089CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	1087	603	207	632	69.71	cps
Vanadium	51-2	57	53	57	56	3.47	cps
Yttrium	89-1	24132796	23478270	23956945	23856004	1.42	cps
Yttrium	89-2	6174219	6034788	6105099	6104702	1.14	cps
Zinc	66-2	1157	1080	1297	1178	9.33	cps
Zirconium	90-1	1730	1487	1293	1503	14.56	cps
Zirconium	91-1	380	300	260	313	19.50	cps

Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165238BS	Instrumnet Name :	P7
Client Sample ID :	LCS238	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 21:38:40	DataFile Name :	093LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	19205	18298	18658	18720	2.44	cps
Antimony	121-1	92733	92646	91398	92259	0.81	cps
Arsenic	75-2	2570	2410	2450	2477	3.36	cps
Barium	135-1	112940	112002	111982	112308	0.49	cps
Barium	137-1	196951	193620	194221	194931	0.91	cps
Beryllium	9-1	4584	4695	4662	4647	1.23	cps
Bismuth	209-1	16696219	16712910	16414944	16608024	1.01	cps
Bismuth	209-2	12729410	12475066	12641729	12615402	1.02	cps
Bromine	81-1	14761	14410	14340	14504	1.55	cps
Bromine	81-2	163	100	143	136	23.89	cps
Cadmium	108-1	980	1003	997	993	1.21	cps
Cadmium	106-1	8419	8102	8326	8282	1.97	cps
Cadmium	111-1	18600	18059	18477	18379	1.54	cps
Calcium	43-1	57361	57251	56525	57046	0.80	cps
Calcium	44-1	954316	932607	924485	937136	1.65	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	38365	38419	38984	38589	0.89	cps
Cobalt	59-2	29255	30097	30023	29792	1.57	cps
Copper	63-2	45422	45432	45606	45487	0.23	cps
Dysprosium	156-1	67	67	50	61	15.75	cps
Dysprosium	156-2	23	40	27	30	29.40	cps
Erbium	164-1	167	143	117	142	17.59	cps
Erbium	164-2	57	67	70	64	10.76	cps
Gadolinium	160-1	157	127	167	150	13.88	cps
Gadolinium	160-2	957	1030	960	982	4.22	cps
Holmium	165-1	26711723	26309075	26086324	26369040	1.20	cps
Holmium	165-2	17814678	17482906	17337379	17544988	1.39	cps
Indium	115-1	21029940	21154946	20933521	21039469	0.53	cps
Indium	115-2	7371924	7242497	7296503	7303642	0.89	cps
Iron	56-2	3301012	3328797	3304998	3311602	0.45	cps
Iron	57-2	87845	85863	87000	86903	1.14	cps
Iron	54-2	192707	190158	191058	191308	0.68	cps
Krypton	83-1	323	327	353	334	4.92	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165238BS	Instrumnet Name :	P7
Client Sample ID :	LCS238	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 21:38:40	DataFile Name :	093LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	40300	38779	37906	38995	3.11	cps
Lead	207-1	34667	33632	33190	33830	2.24	cps
Lead	208-1	158233	154513	151717	154821	2.11	cps
Lithium	6-1	2411310	2363952	2326745	2367336	1.79	cps
Magnesium	24-2	777768	781270	772951	777330	0.54	cps
Manganese	55-2	15952	15842	15728	15841	0.71	cps
Molybdenum	94-1	94022	92603	93170	93265	0.77	cps
Molybdenum	95-1	115968	111504	111490	112988	2.28	cps
Molybdenum	96-1	128935	122931	124783	125550	2.45	cps
Molybdenum	97-1	72023	72210	70663	71632	1.18	cps
Molybdenum	98-1	184583	182998	184324	183968	0.46	cps
Neodymium	150-1	60	77	23	53	51.16	cps
Neodymium	150-2	27	23	13	21	32.88	cps
Nickel	60-2	13844	13981	13898	13908	0.49	cps
Phosphorus	31-2	217	227	240	228	5.14	cps
Potassium	39-2	1023763	1019921	1018843	1020842	0.25	cps
Rhodium	103-1	19810761	19797778	19587940	19732159	0.63	cps
Rhodium	103-2	11744447	11730481	11710024	11728318	0.15	cps
Scandium	45-1	10921404	10715034	10777158	10804532	0.98	cps
Scandium	45-2	941645	936590	931608	936614	0.54	cps
Selenium	82-1	4487	4548	4510	4515	0.68	cps
Selenium	77-2	383	387	433	401	6.97	cps
Selenium	78-2	1750	1733	1687	1723	1.91	cps
Silicon	28-1	1270619	1237331	1257462	1255137	1.34	cps
Silver	107-1	60572	59879	59187	59879	1.16	cps
Silver	109-1	57092	57587	57149	57276	0.47	cps
Sodium	23-2	1268391	1262200	1269308	1266633	0.31	cps
Strontium	86-1	15492	15255	14961	15236	1.74	cps
Strontium	88-1	126307	127046	125120	126157	0.77	cps
Sulfur	34-1	312453	311123	314447	312674	0.54	cps
Terbium	159-1	26810289	26442785	26534642	26595905	0.72	cps
Terbium	159-2	17423891	17041723	17068030	17177881	1.24	cps
Thallium	203-1	45917	44653	44716	45095	1.58	cps
Thallium	205-1	107994	107262	107272	107509	0.39	cps
Tin	118-1	5491	5274	5028	5264	4.41	cps
Titanium	47-1	26664	26386	26837	26629	0.85	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	PB165238BS	Instrumnet Name :	P7
Client Sample ID :	LCS238	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 21:38:40	DataFile Name :	093LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	135043	134097	133239	134126	0.67	cps
Vanadium	51-2	76657	74539	76660	75952	1.61	cps
Yttrium	89-1	24013025	23723209	23620962	23785732	0.86	cps
Yttrium	89-2	6129910	6122819	6084526	6112418	0.40	cps
Zinc	66-2	19843	20284	19957	20028	1.14	cps
Zirconium	90-1	78304	77640	76957	77634	0.87	cps
Zirconium	91-1	17290	17260	17581	17377	1.02	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4917-01	Instrumnet Name :	P7
Client Sample ID :	MX1007	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 21:48:28	DataFile Name :	096SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6714695	6632592	6606010	6651099	0.85	cps
Antimony	121-1	5019328	5105854	5114743	5079975	1.04	cps
Arsenic	75-2	579059	574915	574226	576067	0.45	cps
Barium	135-1	5634586	5690524	5643909	5656340	0.53	cps
Barium	137-1	9706511	9929564	9832778	9822951	1.14	cps
Beryllium	9-1	944579	926734	905110	925474	2.14	cps
Bismuth	209-1	16673721	16971499	17157288	16934169	1.44	cps
Bismuth	209-2	12643581	12754613	12657921	12685372	0.48	cps
Bromine	81-1	16523	16539	17170	16744	2.20	cps
Bromine	81-2	633	623	707	654	6.95	cps
Cadmium	108-1	117259	117978	117722	117653	0.31	cps
Cadmium	106-1	167767	170215	169347	169110	0.73	cps
Cadmium	111-1	1762835	1811184	1782665	1785561	1.36	cps
Calcium	43-1	822622	813755	812186	816188	0.69	cps
Calcium	44-1	12612906	12433546	12311204	12452552	1.22	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	5338558	5379652	5427270	5381827	0.82	cps
Cobalt	59-2	6350732	6335790	6242090	6309537	0.93	cps
Copper	63-2	3334657	3298259	3278256	3303724	0.87	cps
Dysprosium	156-1	149661	150102	150959	150241	0.44	cps
Dysprosium	156-2	119150	118524	117852	118509	0.55	cps
Erbium	164-1	112196	113137	112287	112540	0.46	cps
Erbium	164-2	73542	72828	72728	73033	0.61	cps
Gadolinium	160-1	130999	132674	132661	132111	0.73	cps
Gadolinium	160-2	91959	90909	90359	91076	0.89	cps
Holmium	165-1	26758771	26716889	27246936	26907532	1.10	cps
Holmium	165-2	17872191	17920001	17934318	17908837	0.18	cps
Indium	115-1	20449841	20584183	21081253	20705092	1.61	cps
Indium	115-2	7010454	7016477	6894667	6973866	0.98	cps
Iron	56-2	152500418	152750818	150456354	151902530	0.83	cps
Iron	57-2	3802019	3789568	3776657	3789415	0.33	cps
Iron	54-2	8381557	8387718	8394838	8388037	0.08	cps
Krypton	83-1	480	333	410	408	17.99	cps

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4917-01	Instrumnet Name :	P7
Client Sample ID :	MX1007	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 21:48:28	DataFile Name :	096SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	7552313	7677731	7821218	7683754	1.75	cps
Lead	207-1	6354936	6544079	6472384	6457133	1.48	cps
Lead	208-1	29668270	30190469	30012470	29957070	0.89	cps
Lithium	6-1	2472770	2467921	2526610	2489100	1.31	cps
Magnesium	24-2	3570550	3562371	3534146	3555689	0.54	cps
Manganese	55-2	7217977	7228285	7197471	7214578	0.22	cps
Molybdenum	94-1	1066198	1071198	1063479	1066958	0.37	cps
Molybdenum	95-1	1457213	1464514	1440287	1454004	0.85	cps
Molybdenum	96-1	1602853	1574577	1575426	1584285	1.02	cps
Molybdenum	97-1	905175	918500	916984	913553	0.80	cps
Molybdenum	98-1	2339462	2346512	2321861	2335945	0.54	cps
Neodymium	150-1	279515	280821	282436	280924	0.52	cps
Neodymium	150-2	156019	156673	152134	154942	1.58	cps
Nickel	60-2	1663716	1662323	1641035	1655691	0.77	cps
Phosphorus	31-2	13179	13129	12956	13088	0.90	cps
Potassium	39-2	3230871	3206577	3183659	3207036	0.74	cps
Rhodium	103-1	18970005	19334520	19487775	19264100	1.38	cps
Rhodium	103-2	11552891	11588314	11351264	11497490	1.11	cps
Scandium	45-1	10410159	10266194	10478534	10384962	1.04	cps
Scandium	45-2	901223	902852	901516	901864	0.10	cps
Selenium	82-1	101095	100887	101418	101133	0.26	cps
Selenium	77-2	9810	9663	9823	9766	0.91	cps
Selenium	78-2	32793	32536	32486	32605	0.51	cps
Silicon	28-1	18436716	18085431	17990001	18170716	1.29	cps
Silver	107-1	3963641	3988036	3955295	3968991	0.43	cps
Silver	109-1	3809024	3809948	3817949	3812307	0.13	cps
Sodium	23-2	1474758	1468087	1496128	1479658	0.99	cps
Strontium	86-1	4182175	4153456	4175012	4170215	0.36	cps
Strontium	88-1	36175188	36073915	36189865	36146323	0.17	cps
Sulfur	34-1	297095	286849	281230	288392	2.79	cps
Terbium	159-1	26917750	27240301	28032014	27396688	2.09	cps
Terbium	159-2	17649835	17381718	17539182	17523578	0.77	cps
Thallium	203-1	10836498	10908795	10919685	10888326	0.42	cps
Thallium	205-1	25687350	26346176	26375953	26136493	1.49	cps
Tin	118-1	5085209	5129599	5160824	5125211	0.74	cps
Titanium	47-1	1576717	1591389	1617831	1595312	1.31	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4917-01	Instrumnet Name :	P7
Client Sample ID :	MX1007	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 21:48:28	DataFile Name :	096SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	33491495	34153967	34021775	33889079	1.03	cps
Vanadium	51-2	2228701	2248100	2261067	2245956	0.73	cps
Yttrium	89-1	24629746	24678832	25142574	24817051	1.14	cps
Yttrium	89-2	6283932	6259512	6204443	6249296	0.65	cps
Zinc	66-2	1764265	1744742	1707554	1738854	1.66	cps
Zirconium	90-1	656907	659044	658777	658243	0.18	cps
Zirconium	91-1	146199	146267	148734	147067	0.98	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4917-04	Instrumnet Name :	P7
Client Sample ID :	MX1010	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 22:02:36	DataFile Name :	101SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	697568	699646	695232	697482	0.32	cps
Antimony	121-1	585141	580702	585614	583819	0.46	cps
Arsenic	75-2	30117	30321	30488	30309	0.61	cps
Barium	135-1	17562323	17722657	17552466	17612482	0.54	cps
Barium	137-1	30611218	30446741	29946705	30334888	1.14	cps
Beryllium	9-1	68311	68484	66553	67782	1.58	cps
Bismuth	209-1	17273127	17120326	17166861	17186771	0.46	cps
Bismuth	209-2	12803709	13001902	12712344	12839318	1.15	cps
Bromine	81-1	14868	15001	14621	14830	1.30	cps
Bromine	81-2	223	217	207	216	3.89	cps
Cadmium	108-1	32012	31825	32386	32074	0.89	cps
Cadmium	106-1	50263	49243	49009	49505	1.35	cps
Cadmium	111-1	490571	489656	480669	486965	1.12	cps
Calcium	43-1	657	727	813	732	10.72	cps
Calcium	44-1	20344	20865	20721	20643	1.30	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1590273	1564346	1580761	1578460	0.83	cps
Cobalt	59-2	7075	6948	7092	7038	1.11	cps
Copper	63-2	30088250	29454122	29860780	29801051	1.08	cps
Dysprosium	156-1	180	127	120	142	23.12	cps
Dysprosium	156-2	610	700	690	667	7.40	cps
Erbium	164-1	100	117	120	112	9.55	cps
Erbium	164-2	103	83	83	90	12.84	cps
Gadolinium	160-1	93	113	133	113	17.65	cps
Gadolinium	160-2	910	863	953	909	4.95	cps
Holmium	165-1	27393740	27157816	27189042	27246866	0.47	cps
Holmium	165-2	17800076	18240698	17883457	17974744	1.30	cps
Indium	115-1	21463104	21356437	21012182	21277241	1.11	cps
Indium	115-2	7139453	7287306	7174712	7200490	1.07	cps
Iron	56-2	19075327	19016736	18713353	18935139	1.03	cps
Iron	57-2	488200	490710	484885	487932	0.60	cps
Iron	54-2	1135752	1124565	1121056	1127124	0.68	cps
Krypton	83-1	223	333	277	278	19.80	cps

Reviewed By:jaswal
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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4917-04	Instrumnet Name :	P7
Client Sample ID :	MX1010	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 22:02:36	DataFile Name :	101SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2954749	2918360	2976056	2949722	0.99	cps
Lead	207-1	2435930	2489078	2493826	2472945	1.30	cps
Lead	208-1	11478924	11445592	11518501	11481005	0.32	cps
Lithium	6-1	2179726	2140809	2147086	2155873	0.97	cps
Magnesium	24-2	3411	3473	3581	3489	2.47	cps
Manganese	55-2	5840726	5760477	5803148	5801450	0.69	cps
Molybdenum	94-1	817154	813777	812181	814371	0.31	cps
Molybdenum	95-1	1443300	1428392	1419392	1430362	0.84	cps
Molybdenum	96-1	1547380	1554629	1496171	1532727	2.08	cps
Molybdenum	97-1	896408	896312	890590	894437	0.37	cps
Molybdenum	98-1	2310029	2313628	2273595	2299084	0.96	cps
Neodymium	150-1	690	757	823	757	8.81	cps
Neodymium	150-2	130	117	117	121	6.35	cps
Nickel	60-2	3107734	3105744	3068743	3094074	0.71	cps
Phosphorus	31-2	250	190	167	202	21.26	cps
Potassium	39-2	74226	73302	75319	74282	1.36	cps
Rhodium	103-1	20052636	19940401	19838342	19943793	0.54	cps
Rhodium	103-2	11767993	11738903	11532293	11679730	1.10	cps
Scandium	45-1	10362274	10385902	10362932	10370369	0.13	cps
Scandium	45-2	894592	889831	893299	892574	0.28	cps
Selenium	82-1	49840	50691	49862	50131	0.97	cps
Selenium	77-2	4971	4587	4694	4751	4.17	cps
Selenium	78-2	16426	16603	15882	16304	2.30	cps
Silicon	28-1	2064847	2054515	2018358	2045906	1.19	cps
Silver	107-1	5407682	5385646	5463436	5418921	0.74	cps
Silver	109-1	5281676	5284263	5249392	5271777	0.37	cps
Sodium	23-2	68525	68234	68153	68304	0.29	cps
Strontium	86-1	960	927	1103	997	9.42	cps
Strontium	88-1	5348	5331	5224	5301	1.26	cps
Sulfur	34-1	251554	245491	242399	246481	1.89	cps
Terbium	159-1	27891224	27451974	27550646	27631281	0.83	cps
Terbium	159-2	17437373	17463868	17649966	17517069	0.66	cps
Thallium	203-1	347485	345069	347811	346789	0.43	cps
Thallium	205-1	824023	829551	822675	825416	0.44	cps
Tin	118-1	5394	5408	5264	5356	1.48	cps
Titanium	47-1	523	573	447	514	12.40	cps

Reviewed By:jaswal
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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4917-04	Instrumnet Name :	P7
Client Sample ID :	MX1010	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 22:02:36	DataFile Name :	101SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	167	173	183	174	4.81	cps
Vanadium	51-2	8228680	8095186	8184739	8169535	0.83	cps
Yttrium	89-1	24106892	23595189	23800773	23834285	1.08	cps
Yttrium	89-2	6029360	6055019	6053357	6045912	0.24	cps
Zinc	66-2	1405077	1408526	1394507	1402703	0.52	cps
Zirconium	90-1	3554	3500	3527	3527	0.76	cps
Zirconium	91-1	1013	907	933	951	5.84	cps

Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4917-04DLX2	Instrumnet Name :	P7
Client Sample ID :	MX1010	Dilution Factor :	2
Date & Time Acquired :	2024-11-27 22:06:19	DataFile Name :	102SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	345596	344579	346776	345651	0.32	cps
Antimony	121-1	284702	285793	283396	284630	0.42	cps
Arsenic	75-2	14814	14747	14894	14819	0.50	cps
Barium	135-1	8691146	8590969	8522299	8601472	0.99	cps
Barium	137-1	15017775	14984426	14857809	14953337	0.56	cps
Beryllium	9-1	34711	33815	33447	33991	1.91	cps
Bismuth	209-1	17042468	17024258	16960843	17009190	0.25	cps
Bismuth	209-2	12581874	12494921	12606390	12561062	0.47	cps
Bromine	81-1	14517	14674	15098	14763	2.03	cps
Bromine	81-2	200	187	150	179	14.47	cps
Cadmium	108-1	15565	15488	15195	15416	1.27	cps
Cadmium	106-1	27519	27256	27653	27476	0.74	cps
Cadmium	111-1	240734	238874	238446	239351	0.51	cps
Calcium	43-1	720	660	660	680	5.09	cps
Calcium	44-1	20354	19980	19476	19937	2.21	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	780201	776370	771045	775872	0.59	cps
Cobalt	59-2	3440	3437	3730	3536	4.76	cps
Copper	63-2	14791234	14794805	14730127	14772055	0.25	cps
Dysprosium	156-1	83	77	117	92	23.24	cps
Dysprosium	156-2	400	397	360	386	5.76	cps
Erbium	164-1	103	77	137	106	28.48	cps
Erbium	164-2	60	47	67	58	17.62	cps
Gadolinium	160-1	130	97	123	117	15.12	cps
Gadolinium	160-2	950	980	943	958	2.04	cps
Holmium	165-1	27055181	26722971	26578740	26785631	0.91	cps
Holmium	165-2	17429243	17370834	17582358	17460812	0.63	cps
Indium	115-1	21098293	20826930	20727924	20884382	0.92	cps
Indium	115-2	7020114	6954576	7062831	7012507	0.78	cps
Iron	56-2	9410706	9398377	9389100	9399394	0.12	cps
Iron	57-2	242045	241416	240910	241457	0.24	cps
Iron	54-2	555961	553318	559402	556227	0.55	cps
Krypton	83-1	293	263	340	299	12.93	cps

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4917-04DLX2	Instrumnet Name :	P7
Client Sample ID :	MX1010	Dilution Factor :	2
Date & Time Acquired :	2024-11-27 22:06:19	DataFile Name :	102SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1457571	1455915	1452688	1455391	0.17	cps
Lead	207-1	1218716	1214101	1212079	1214965	0.28	cps
Lead	208-1	5672333	5675900	5659706	5669313	0.15	cps
Lithium	6-1	2201110	2158893	2210699	2190234	1.26	cps
Magnesium	24-2	3055	2838	2951	2948	3.68	cps
Manganese	55-2	2860180	2913081	2854918	2876060	1.12	cps
Molybdenum	94-1	396359	399251	397978	397863	0.36	cps
Molybdenum	95-1	701819	699114	694525	698486	0.53	cps
Molybdenum	96-1	745935	746073	742844	744951	0.25	cps
Molybdenum	97-1	441101	438865	437106	439024	0.46	cps
Molybdenum	98-1	1140593	1133690	1136394	1136892	0.31	cps
Neodymium	150-1	333	347	397	359	9.30	cps
Neodymium	150-2	77	83	37	66	38.50	cps
Nickel	60-2	1554198	1542262	1536631	1544364	0.58	cps
Phosphorus	31-2	197	237	250	228	12.18	cps
Potassium	39-2	68520	67505	67981	68002	0.75	cps
Rhodium	103-1	19658909	19486424	19407735	19517689	0.66	cps
Rhodium	103-2	11421813	11484554	11487939	11464769	0.32	cps
Scandium	45-1	10301845	10107289	10075309	10161481	1.21	cps
Scandium	45-2	877869	873004	881519	877464	0.49	cps
Selenium	82-1	24693	24800	24904	24799	0.42	cps
Selenium	77-2	2307	2207	2217	2244	2.46	cps
Selenium	78-2	8112	8172	8269	8185	0.97	cps
Silicon	28-1	1468237	1502620	1451868	1474242	1.76	cps
Silver	107-1	2699631	2620919	2657751	2659434	1.48	cps
Silver	109-1	2590452	2589418	2570069	2583313	0.44	cps
Sodium	23-2	49499	49345	50011	49618	0.70	cps
Strontium	86-1	747	803	777	776	3.66	cps
Strontium	88-1	2934	2937	2934	2935	0.07	cps
Sulfur	34-1	236685	234658	232532	234625	0.88	cps
Terbium	159-1	27278793	27240939	26646985	27055572	1.31	cps
Terbium	159-2	17162028	17246280	17166609	17191639	0.28	cps
Thallium	203-1	171083	170435	169061	170193	0.61	cps
Thallium	205-1	407839	406188	406046	406691	0.25	cps
Tin	118-1	5258	4951	4974	5061	3.37	cps
Titanium	47-1	497	470	403	457	10.53	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	P4917-04DLX2	Instrumnet Name :	P7
Client Sample ID :	MX1010	Dilution Factor :	2
Date & Time Acquired :	2024-11-27 22:06:19	DataFile Name :	102SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	73	77	43	64	28.49	cps
Vanadium	51-2	4037725	4032230	4000948	4023635	0.49	cps
Yttrium	89-1	23536191	23767664	23274820	23526225	1.05	cps
Yttrium	89-2	5856053	5906622	5940758	5901145	0.72	cps
Zinc	66-2	695043	689447	696706	693732	0.55	cps
Zirconium	90-1	2174	2194	2627	2331	10.99	cps
Zirconium	91-1	580	680	623	628	7.99	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	CCV004	Instrumnet Name :	P7
Client Sample ID :	CCV004	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 22:14:19	DataFile Name :	104CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	21916523	21709626	21880639	21835596	0.51	cps
Antimony	121-1	11059717	10954684	10943116	10985839	0.58	cps
Arsenic	75-2	563413	560185	561105	561567	0.30	cps
Barium	135-1	13987541	13879921	13988628	13952030	0.45	cps
Barium	137-1	24349945	24209934	24106845	24222241	0.50	cps
Beryllium	9-1	1097004	1107558	1094970	1099844	0.61	cps
Bismuth	209-1	14820163	14747820	14528274	14698752	1.03	cps
Bismuth	209-2	11147240	10957955	11053129	11052775	0.86	cps
Bromine	81-1	15131	14854	15054	15013	0.95	cps
Bromine	81-2	130	107	100	112	14.04	cps
Cadmium	108-1	217549	218054	217645	217749	0.12	cps
Cadmium	106-1	306246	308932	307108	307429	0.45	cps
Cadmium	111-1	2881591	2895077	2881651	2886106	0.27	cps
Calcium	43-1	12943892	12988564	12929898	12954118	0.24	cps
Calcium	44-1	210420677	211564837	210021997	210669170	0.38	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4129086	4130312	4119020	4126139	0.15	cps
Cobalt	59-2	7197706	7188343	7094116	7160055	0.80	cps
Copper	63-2	48719231	48524721	48500361	48581438	0.25	cps
Dysprosium	156-1	597	643	550	597	7.82	cps
Dysprosium	156-2	910	953	953	939	2.66	cps
Erbium	164-1	677	673	680	677	0.49	cps
Erbium	164-2	420	437	433	430	2.05	cps
Gadolinium	160-1	503	627	613	581	11.65	cps
Gadolinium	160-2	1140	1357	1090	1196	11.86	cps
Holmium	165-1	26185813	25755714	25359851	25767126	1.60	cps
Holmium	165-2	17124979	17067142	16788651	16993590	1.06	cps
Indium	115-1	19314298	19318442	18998663	19210468	0.95	cps
Indium	115-2	6530104	6490060	6610682	6543615	0.94	cps
Iron	56-2	933854599	923480280	930770679	929368519	0.57	cps
Iron	57-2	23196340	23177432	23298647	23224140	0.28	cps
Iron	54-2	50657844	50589009	50711213	50652689	0.12	cps
Krypton	83-1	330	290	293	304	7.29	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	CCV004	Instrumnet Name :	P7
Client Sample ID :	CCV004	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 22:14:19	DataFile Name :	104CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	42424596	42784096	42152914	42453869	0.75	cps
Lead	207-1	37203476	37631104	36947967	37260849	0.93	cps
Lead	208-1	169385764	170453022	168518249	169452345	0.57	cps
Lithium	6-1	2119868	2149088	2130679	2133212	0.69	cps
Magnesium	24-2	184015194	182910394	183697325	183540971	0.31	cps
Manganese	55-2	34247287	34271898	34335396	34284860	0.13	cps
Molybdenum	94-1	38761258	38950681	38447395	38719778	0.66	cps
Molybdenum	95-1	56290274	56965002	56121438	56458905	0.79	cps
Molybdenum	96-1	60764477	61364401	60659619	60929499	0.62	cps
Molybdenum	97-1	35081076	35116183	35102164	35099808	0.05	cps
Molybdenum	98-1	91245669	90949159	90572942	90922590	0.37	cps
Neodymium	150-1	1007	957	893	952	5.97	cps
Neodymium	150-2	310	303	243	286	12.86	cps
Nickel	60-2	2456465	2430398	2467823	2451562	0.78	cps
Phosphorus	31-2	211426	209270	209558	210085	0.56	cps
Potassium	39-2	108145742	106948385	106664378	107252835	0.73	cps
Rhodium	103-1	17611846	17398166	17058881	17356297	1.61	cps
Rhodium	103-2	9963998	10013370	10147151	10041506	0.94	cps
Scandium	45-1	10313799	10109111	9911233	10111381	1.99	cps
Scandium	45-2	880289	876389	872284	876321	0.46	cps
Selenium	82-1	166049	166966	165245	166087	0.52	cps
Selenium	77-2	16473	16346	16529	16449	0.57	cps
Selenium	78-2	55329	55273	55196	55266	0.12	cps
Silicon	28-1	28018490	28064152	28086045	28056229	0.12	cps
Silver	107-1	13978660	14049081	13979453	14002398	0.29	cps
Silver	109-1	13520522	13569291	13423318	13504377	0.55	cps
Sodium	23-2	284237149	284898642	284284422	284473405	0.13	cps
Strontium	86-1	3371423	3393733	3379273	3381476	0.33	cps
Strontium	88-1	29700875	29463694	29258804	29474458	0.75	cps
Sulfur	34-1	971847	965256	961694	966266	0.53	cps
Terbium	159-1	26326686	25765950	25613855	25902164	1.45	cps
Terbium	159-2	16517676	16395513	16589517	16500902	0.59	cps
Thallium	203-1	10766782	10821838	10566360	10718327	1.25	cps
Thallium	205-1	25592928	25848559	25384027	25608505	0.91	cps
Tin	118-1	9183903	9314115	9142380	9213466	0.97	cps
Titanium	47-1	12732186	12689384	12499987	12640519	0.98	cps

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	CCV004	Instrumnet Name :	P7
Client Sample ID :	CCV004	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 22:14:19	DataFile Name :	104CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	34683240	34969565	34933789	34862198	0.45	cps
Vanadium	51-2	3631967	3630927	3639058	3633984	0.12	cps
Yttrium	89-1	22782908	22433116	22260152	22492059	1.18	cps
Yttrium	89-2	5684181	5721040	5667781	5691001	0.48	cps
Zinc	66-2	7946166	7882219	7983000	7937128	0.64	cps
Zirconium	90-1	18722023	18920597	18848936	18830519	0.53	cps
Zirconium	91-1	4156539	4251583	4228441	4212188	1.18	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	CCB004	Instrumnet Name :	P7
Client Sample ID :	CCB004	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 22:17:20	DataFile Name :	105CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5684	4277	3694	4552	22.48	cps
Antimony	121-1	2977	7410	6972	5786	42.22	cps
Arsenic	75-2	250	163	133	182	33.25	cps
Barium	135-1	1113	5709	3557	3460	66.46	cps
Barium	137-1	1873	9777	6205	5952	66.50	cps
Beryllium	9-1	333	383	389	369	8.30	cps
Bismuth	209-1	17142074	16514135	16788541	16814916	1.87	cps
Bismuth	209-2	12720190	12610261	12761939	12697463	0.62	cps
Bromine	81-1	14103	14974	14707	14595	3.06	cps
Bromine	81-2	113	103	140	119	15.94	cps
Cadmium	108-1	27	200	67	98	92.82	cps
Cadmium	106-1	6385	6411	6622	6473	2.00	cps
Cadmium	111-1	4774	6621	5245	5547	17.31	cps
Calcium	43-1	1650	2504	3824	2659	41.19	cps
Calcium	44-1	37654	52444	68176	52758	28.93	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4171	3650	3324	3715	11.50	cps
Cobalt	59-2	2534	1950	1523	2002	25.32	cps
Copper	63-2	14234	10977	9516	11576	20.86	cps
Dysprosium	156-1	17	63	47	42	56.00	cps
Dysprosium	156-2	27	37	53	39	34.63	cps
Erbium	164-1	97	143	167	136	26.29	cps
Erbium	164-2	73	83	127	94	30.02	cps
Gadolinium	160-1	90	150	133	124	24.89	cps
Gadolinium	160-2	1037	910	1053	1000	7.84	cps
Holmium	165-1	26873721	26100983	26308006	26427570	1.51	cps
Holmium	165-2	17706610	17618272	17486528	17603803	0.63	cps
Indium	115-1	21072110	20934566	20673235	20893304	0.97	cps
Indium	115-2	7037958	7125829	7062919	7075569	0.64	cps
Iron	56-2	233452	181889	154506	189949	21.10	cps
Iron	57-2	6548	5091	4651	5430	18.29	cps
Iron	54-2	14607	11825	10053	12162	18.87	cps
Krypton	83-1	260	287	280	276	5.04	cps

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Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	CCB004	Instrumnet Name :	P7
Client Sample ID :	CCB004	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 22:17:20	DataFile Name :	105CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4457	8265	8406	7043	31.81	cps
Lead	207-1	3961	6370	7465	5932	30.23	cps
Lead	208-1	17751	30131	33790	27224	30.87	cps
Lithium	6-1	2369785	2304376	2327514	2333892	1.42	cps
Magnesium	24-2	39463	30132	25250	31615	22.84	cps
Manganese	55-2	10234	8036	6551	8274	22.39	cps
Molybdenum	94-1	3360	4131	5895	4462	29.12	cps
Molybdenum	95-1	4001	5741	8166	5969	35.04	cps
Molybdenum	96-1	4531	6231	8869	6544	33.41	cps
Molybdenum	97-1	2537	3464	5051	3684	34.51	cps
Molybdenum	98-1	6512	8943	12973	9476	34.44	cps
Neodymium	150-1	13	60	67	47	62.28	cps
Neodymium	150-2	60	57	40	52	20.52	cps
Nickel	60-2	4368	4044	4407	4273	4.67	cps
Phosphorus	31-2	297	280	277	284	3.77	cps
Potassium	39-2	85538	81081	78384	81668	4.42	cps
Rhodium	103-1	20036688	19450299	19484213	19657067	1.67	cps
Rhodium	103-2	11443252	11388267	11303173	11378231	0.62	cps
Scandium	45-1	10471401	10328640	10341785	10380609	0.76	cps
Scandium	45-2	892603	887570	885367	888513	0.42	cps
Selenium	82-1	717	792	808	772	6.32	cps
Selenium	77-2	10	7	3	7	50.03	cps
Selenium	78-2	437	387	453	426	8.15	cps
Silicon	28-1	771688	766516	770987	769730	0.36	cps
Silver	107-1	1883	4320	2540	2915	43.26	cps
Silver	109-1	1773	8114	2467	4118	84.45	cps
Sodium	23-2	92040	79819	73418	81759	11.57	cps
Strontium	86-1	840	1130	1547	1172	30.30	cps
Strontium	88-1	3004	6368	10771	6714	58.01	cps
Sulfur	34-1	266320	265193	266143	265885	0.23	cps
Terbium	159-1	27285102	26911345	26522775	26906407	1.42	cps
Terbium	159-2	17365608	17186438	17098899	17216982	0.79	cps
Thallium	203-1	3310	5316	4541	4389	23.04	cps
Thallium	205-1	7882	11202	10788	9958	18.17	cps
Tin	118-1	5521	9164	6742	7142	25.96	cps
Titanium	47-1	873	1327	1840	1347	35.92	cps

Reviewed By:jaswal
On:12/3/2024 8:29:37 PM
Inst Id :P7

LB Number :	LB133687	Operator :	Jaswal
Lab Sample ID :	CCB004	Instrumnet Name :	P7
Client Sample ID :	CCB004	Dilution Factor :	1
Date & Time Acquired :	2024-11-27 22:17:20	DataFile Name :	105CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	2304	6680	7365	5450	50.39	cps
Vanadium	51-2	1800	1430	1153	1461	22.21	cps
Yttrium	89-1	23760002	23440792	23541360	23580718	0.69	cps
Yttrium	89-2	5987692	5945421	5915768	5949627	0.61	cps
Zinc	66-2	3204	2744	2437	2795	13.81	cps
Zirconium	90-1	2614	3167	3954	3245	20.76	cps
Zirconium	91-1	473	597	860	643	30.70	cps

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Prep Standard - Chemical Standard Summary

Order ID : P4955

Test : Metals CLP MS FULL

Prepbatch ID : PB165205,

Sequence ID/Qc Batch ID: LB133687,

Standard ID :
MP82128,MP83014,MP83016,MP83032,MP83033,MP83034,MP83035,MP83036,MP83037,MP83038,MP83039,MP83041,MP83042,MP83043,MP83044,MP83046,MP83047,MP83048,MP83049,MP83050,MP83122,

Chemical ID :
M5192,M5288,M5289,M5294,M5304,M5390,M5476,M5498,M5513,M5515,M5519,M5658,M5698,M5739,M5751,M5769,M5798,M5799,M5800,M5801,M5802,M5806,M5815,M5816,M5817,M5818,M5819,M5820,M5873,M5874,M5961,M5962,M5976,M5978,M5981,M5982,M5983,M5993,M5999,M6021,M6023,M6025,M6028,M6030,M6033,M6040,M6055,M6095,M6115,M6116,W3112,

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
641	1:4 HCL	MP82128	09/03/2024	02/08/2025	Janvi Patel	None	None	Sarabjit Jaswal 09/03/2024

FROM 1500.00000ml of W3112 + 500.00000ml of M6040 = Final Quantity: 2000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1122	ICPMS CALIB BLANK(S0/ICB/CCB)	MP83014	11/02/2024	12/06/2024	Sarabjit Jaswal	None	None	Mohan Bera 11/04/2024

FROM 25.00000ml of M6095 + 4925.00000ml of W3112 + 50.00000ml of M6115 = Final Quantity: 5000.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2902	S8 ICPMS	MP83016	11/02/2024	12/06/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 11/04/2024

FROM 1.00000ml of M6033 + 2.50000ml of M5288 + 2.50000ml of M5515 + 5.00000ml of M5498 + 5.00000ml of M5769 + 5.00000ml of M5806 + 79.00000ml of MP83014 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3947	S7(SFAM,6020,200.8)	MP83032	11/02/2024	12/06/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 11/04/2024

FROM 0.40000ml of M5513 + 1.00000ml of M5799 + 1.00000ml of M5818 + 1.00000ml of M5981 + 1.00000ml of M5983 + 1.90000ml of M6033 + 10.00000ml of M6115 + 2.00000ml of M5815 + 2.00000ml of M5817 + 2.50000ml of M5476 + 4.00000ml of M5390 + 4.90000ml of M5515 + 4.90000ml of M5519 + 5.00000ml of M6095 + 50.00000ml of M5304 + 832.80000ml of W3112 + 9.00000ml of M5698 + 9.00000ml of M5819 + 9.00000ml of M5976 + 9.00000ml of M5978 + 9.90000ml of M5498 + 9.90000ml of M5751 + 9.90000ml of M5769 + 9.90000ml of M5806 = 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
3948	S6(SFAM,6020,200.8)	MP83033	11/02/2024	12/06/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 11/04/2024

FROM 0.50000ml of M6095 + 1.00000ml of M6115 + 48.50000ml of W3112 + 50.00000ml of MP83032 = 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)	MP83034	11/02/2024	12/06/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 11/04/2024

FROM 0.50000ml of M6095 + 1.00000ml of M6115 + 86.00000ml of W3112 + 12.50000ml of MP83032 = 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)	MP83035	11/02/2024	12/06/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 11/04/2024

FROM 0.50000ml of M6095 + 1.00000ml of M6115 + 73.50000ml of W3112 + 25.00000ml of MP83032 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3951	S3(SFAM, 6020,200.8)	MP83036	11/02/2024	12/06/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 11/04/2024

FROM 0.50000ml of M6095 + 1.00000ml of M6115 + 88.50000ml of W3112 + 10.00000ml of MP83033 = 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
3955	S2CONC(SFAM,6020,200.8)	MP83037	11/02/2024	12/06/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 11/04/2024

FROM 0.05000ml of M5698 + 0.05000ml of M5798 + 0.05000ml of M5800 + 0.05000ml of M5801 + 0.05000ml of M5961 + 0.05000ml of M5981 + 0.05000ml of M5982 + 0.05000ml of M5983 + 0.05000ml of M6023 + 0.05000ml of M6025 + 0.05000ml of M6028 + 0.05000ml of M6030 + 0.10000ml of M5658 + 0.10000ml of M5751 + 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 M6095 + 226.25000ml of W3112 + 5.00000ml of M6115 = Final Quantity: 250.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3956	S2(SFAM,6020,200.8)	MP83038	11/02/2024	12/06/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 11/04/2024

FROM 0.50000ml of M6095 + 1.00000ml of M6115 + 88.50000ml of W3112 + 0.50000ml of MP83037 = 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
3957	S1(SFAM,6020,200.8)	MP83039	11/02/2024	12/06/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 11/04/2024

FROM 0.50000ml of M6095 + 1.00000ml of M6115 + 88.50000ml of W3112 + 10.00000ml of MP83038 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3958	ICV(SFAM)	MP83041	11/02/2024	12/06/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 11/04/2024

FROM 2.00000ml of M5294 + 98.00000ml of MP83014 = 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
3961	CCV	MP83042	11/02/2024	12/06/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 11/04/2024

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 M5476 + 10.00000ml of M6115 + 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 M5698 + 4.50000ml of M5751 + 4.50000ml of M5819 + 4.95000ml of M6033 + 5.00000ml of M5976 + 5.00000ml of M5978 + 5.00000ml of M6095 + 823.45000ml of W3112 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1142	ICSA ICPMS	MP83043	11/02/2024	12/06/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 11/04/2024

FROM 10.00000ml of M5873 + 90.00000ml of MP83014 = 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
1143	ICSAB ICPMS	MP83044	11/02/2024	12/06/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 11/04/2024

FROM 10.00000ml of M5873 + 10.00000ml of M5874 + 80.00000ml of MP83014 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3964	CONC.LCSS SPIKE	MP83046	11/02/2024	12/06/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 11/04/2024

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 M5751 + 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 M5769 + 12.50000ml of M5806 + 12.52000ml of M5519 + 156.23000ml of W3112 + 2.50000ml of M5390 + 2.50000ml of M5818 + 5.00000ml of M5515 + 5.00000ml of M6095 + 5.00000ml of M6115 + 6.25000ml of M5816 + 6.25000ml of M5820 = Final Quantity: 250.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
870	ICPMS SPIKE SOL.B	MP83047	11/02/2024	12/06/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 11/04/2024

FROM 0.45000ml of M5962 + 5.00000ml of M5993 + 5.00000ml of M5999 + 39.55000ml of MP83014 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3962	MG 10PPM FOR TUNE	MP83048	11/02/2024	12/06/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 11/04/2024

FROM 0.01000ml of M5769 + 9.99000ml of MP83014 = 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	MP83049	11/02/2024	12/06/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 11/04/2024

FROM 2.00000ml of M6055 + 2.00000ml of MP83048 + 98.00000ml of MP83014 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3903	ISS 3PPM	MP83050	11/02/2024	12/06/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 11/04/2024

FROM 5.00000ml of M6115 + 75.00000ml of M5739 + 30.00000ml of MP83014 = 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
169	1:1HNO3	MP83122	11/07/2024	12/06/2024	Janvi Patel	None	None	Sarabjit Jaswal 11/07/2024

FROM 1000.00000ml of M6116 + 1000.00000ml of W3112 = Final Quantity: 2000.000 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	01/01/2025	12/13/2023 / bin	02/20/2020 / bin	M5294

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	08/09/2025	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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58024 / Chromium, Cr, 500 ml, 1000 PPM	060523	06/05/2026	08/28/2023 / jaswal	08/25/2023 / jaswal	M5658

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58025 / Mn, 1000 PPM, 500 ml	102623	10/26/2026	04/18/2024 / jaswal	10/27/2023 / jaswal	M5698

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	6020ISS / 6020ISS, 10 ug/ml, Bi, Ho, In, 6Li, Rh, Sc, TB, Y	T2-MEB709511	09/03/2026	08/07/2024 / jaswal	04/11/2022 / jaswal	M5739

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58029 / Cu, 1000 PPM, 500 ml	071723	07/17/2026	10/01/2024 / Jaswal	08/25/2023 / jaswal	M5751

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58112 / Mg, 10000 PPM, 500 ml	091823	09/18/2026	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

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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.	57027 / CO, 1000 PPM, 125 ml	091923	09/19/2026	05/31/2024 / bin	02/09/2024 / bin	M5800

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57033 / As, 1000 PPM, 125 ml	111323	11/13/2026	02/09/2024 / bin	02/09/2024 / bin	M5801

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57051 / Sb, 1000 PPM, 125 ml	120523	12/05/2026	08/07/2024 / jaswal	01/03/2024 / jaswal	M5802

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58111 / Na, 10000 PPM, 500 ml	122223	12/22/2026	08/01/2024 / Jaswal	01/03/2024 / jaswal	M5806

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57115 / P, 10000 PPM, 125 ml	041723	04/17/2026	05/21/2024 / Jaswal	02/09/2024 / jaswal	M5815

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

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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.	57116 / S, 10000 PPM, 125 ml	071123	07/11/2026	03/01/2024 / jaswal	02/09/2024 / jaswal	M5817

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57014 / Si, 1000 PPM, 125 ml	122023	12/20/2026	03/06/2024 / jaswal	02/09/2024 / jaswal	M5818

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58030 / Zinc, Zn, 500 ml, 1000 PPM	111623	11/16/2026	03/20/2024 / jaswal	02/09/2024 / jaswal	M5819

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57015 / P, 1000 PPM, 125 ml	091123	09/11/2026	05/01/2024 / jaswal	02/09/2024 / jaswal	M5820

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
EPA	PART A / ICSA (ICPMS) STOCK SOLN	CP-MS ICSA-0803	04/30/2025	04/17/2024 / jaswal	07/14/2022 / jaswal	M5873

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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57028 / Ni, 1000 PPM, 125 ml	041124	04/11/2027	07/02/2024 / Jaswal	06/11/2024 / Jaswal	M5961

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57034 / Se, 1000 PPM, 125 ml	060624	06/06/2027	07/02/2024 / Jaswal	06/14/2024 / Jaswal	M5962

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGMO1-1 / MOLYBDENUM 125mL 1000ug/mL	T2-MO720876	07/17/2027	08/07/2024 / jaswal	02/22/2024 / Jaswal	M5976

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGTI1-1 / TITANIUM 125mL 1000ug/mL	T2-TI719972	06/17/2027	08/07/2024 / jaswal	02/22/2024 / Jaswal	M5978

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57092 / U, 1000 PPM, 125 ml	060724	06/07/2027	07/29/2024 / Jaswal	06/11/2024 / Jaswal	M5981

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57038 / Sr, 1000 PPM, 125 ml	031524	03/15/2027	07/01/2024 / Jaswal	06/11/2024 / Jaswal	M5982

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57040 / Zr, 1000 PPM, 125 ml	071423	07/14/2026	07/29/2024 / Jaswal	06/11/2024 / Jaswal	M5983

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CLPP-SPK-4 / SOIL/WATER SPIKE SOLN 4, 125mL	V2-MEB742036	03/12/2029	10/04/2024 / Jaswal	02/22/2024 / Jaswal	M5993

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CLPP-SPK-1 / SOIL/WATER SPIKE SOLN 1, 125mL	T2-MEB721963	07/27/2027	09/04/2024 / Jaswal	02/22/2024 / kareem	M5999

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57023 / V, 1000 PPM, 125 ml	062424	06/24/2027	09/28/2024 / jaswal	08/05/2024 / Jaswal	M6021

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

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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.	57048 / Cd, 1000 PPM, 125 ml	070124	07/01/2027	08/05/2024 / kareem	01/25/2019 / Jaswal	M6028

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57047 / Ag, 1000 PPM, 125 ml	122823	12/28/2026	08/05/2024 / kareem	08/05/2024 / Jaswal	M6030

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58113 / Al, 10000 PPM, 500 ml	011623	01/16/2026	08/07/2024 / Jaswal	01/03/2024 / Jaswal	M6033

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9530-33 / Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)	24D1562005	02/08/2025	08/09/2024 / jaswal	08/01/2024 / Janvi	M6040

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	IV-STOCK-12 / ICP-MS TUNING SOLUTION, 125mL	U2-MEB734294	06/21/2028	08/21/2024 / Jaswal	08/19/2024 / Jaswal	M6055

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9530-33 / Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)		03/17/2029	10/26/2024 / Janvi	10/21/2024 / Janvi	M6095

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9598-34 / Nitric Acid, Instra-Analyzed (cs/4x2.5L)	24B1362001	05/04/2025	11/02/2024 / Janvi	09/29/2024 / Eman	M6115

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9598-34 / Nitric Acid, Instra-Analyzed (cs/4x2.5L)	24B1362001	05/03/2025	11/04/2024 / Janvi	09/29/2024 / Eman	M6116

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

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R: 02/22/24 M5991, M5992, M5993, M5994, M5995

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Christiansburg, VA 24073 USA
inorganicventures.com

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F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	CLPP-SPK-4
Lot Number:	V2-MEB742036
Matrix:	3% (v/v) HNO3
Value / Analyte(s):	100 µg/mL ea: Antimony,
	50 µg/mL ea: Cadmium, Thallium,
	40 µg/mL ea: Arsenic,
	20 µg/mL ea: Lead,
	10 µg/mL ea: Selenium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Antimony, Sb	100.0 ± 0.7 µg/mL	Arsenic, As	40.00 ± 0.26 µg/mL
Cadmium, Cd	50.00 ± 0.22 µg/mL	Lead, Pb	20.00 ± 0.09 µg/mL
Selenium, Se	10.00 ± 0.04 µg/mL	Thallium, Tl	50.00 ± 0.22 µg/mL

Density: 1.016 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
As	ICP Assay	3103a	100818
Cd	ICP Assay	3108	130116
Cd	EDTA	928	928
Cd	Calculated		See Sec. 4.2
Pb	ICP Assay	3128	101026
Pb	EDTA	928	928
Pb	Calculated		See Sec. 4.2
Sb	ICP Assay	3102a	140911
Se	ICP Assay	3149	100901
Se	Calculated		See Sec. 4.2
Tl	ICP Assay	3158	151215
Tl	Calculated		See Sec. 4.2

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2 (u_{char\ i})^2)]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\ (u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

March 12, 2024

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- March 12, 2029

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Joseph Burns
Custom VS Manager



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

R 8/15/24

M6028

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

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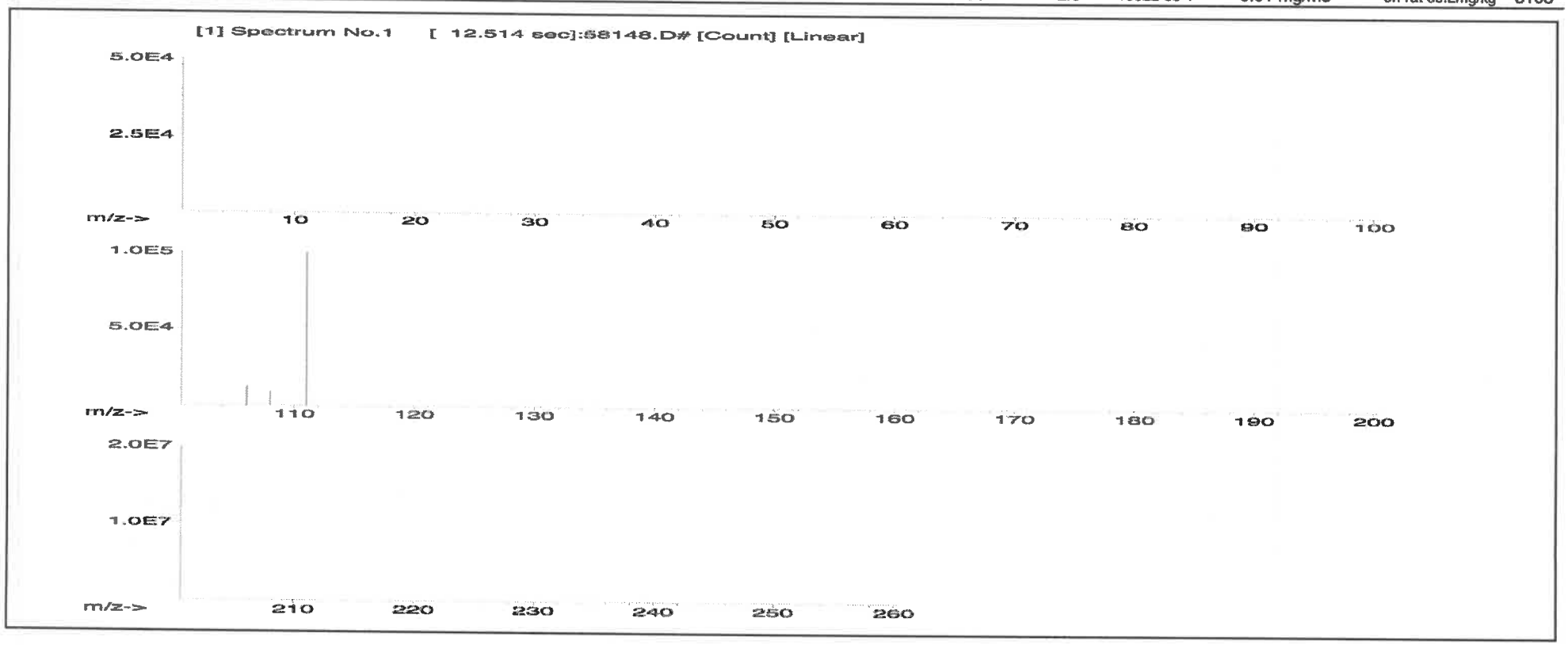
CERTIFIED WEIGHT REPORT:

Part Number:	**57048**		**Lot #**		
Lot Number:	**070124**	**Solvent:**	24002546	Nitric Acid	
Description:	**Cadmium (Cd)**				
		2%	40.0 (mL)	Nitric Acid	
Expiration Date:	070127				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.07	0.100	Flask Uncertainty		

Aleah O'Brady

Formulated By:	Aleah O'Brady	070124
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

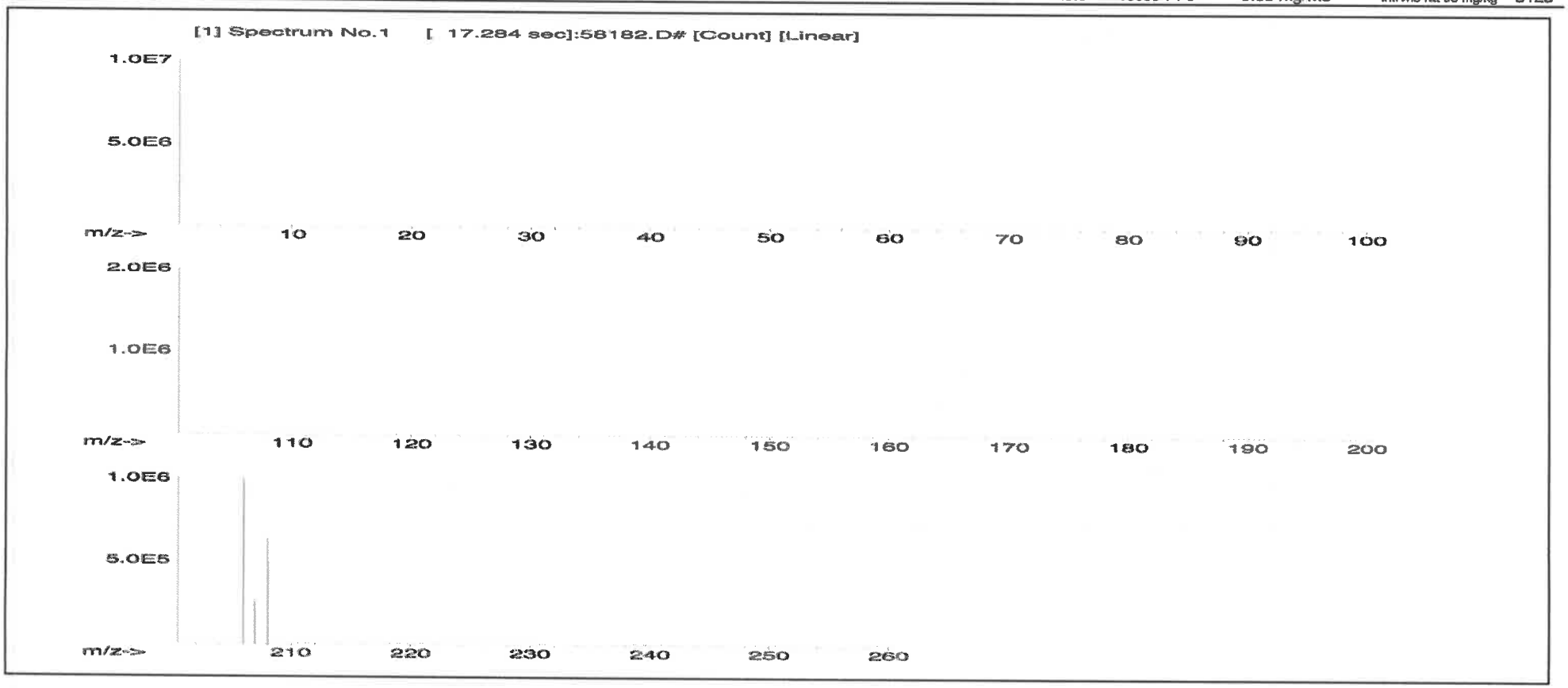
Weight shown below was diluted to (mL): 2000.02 0.058 Flask Uncertainty

	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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800-368-1131
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Certified Reference Material CRM

M5192 R: 06/17/22

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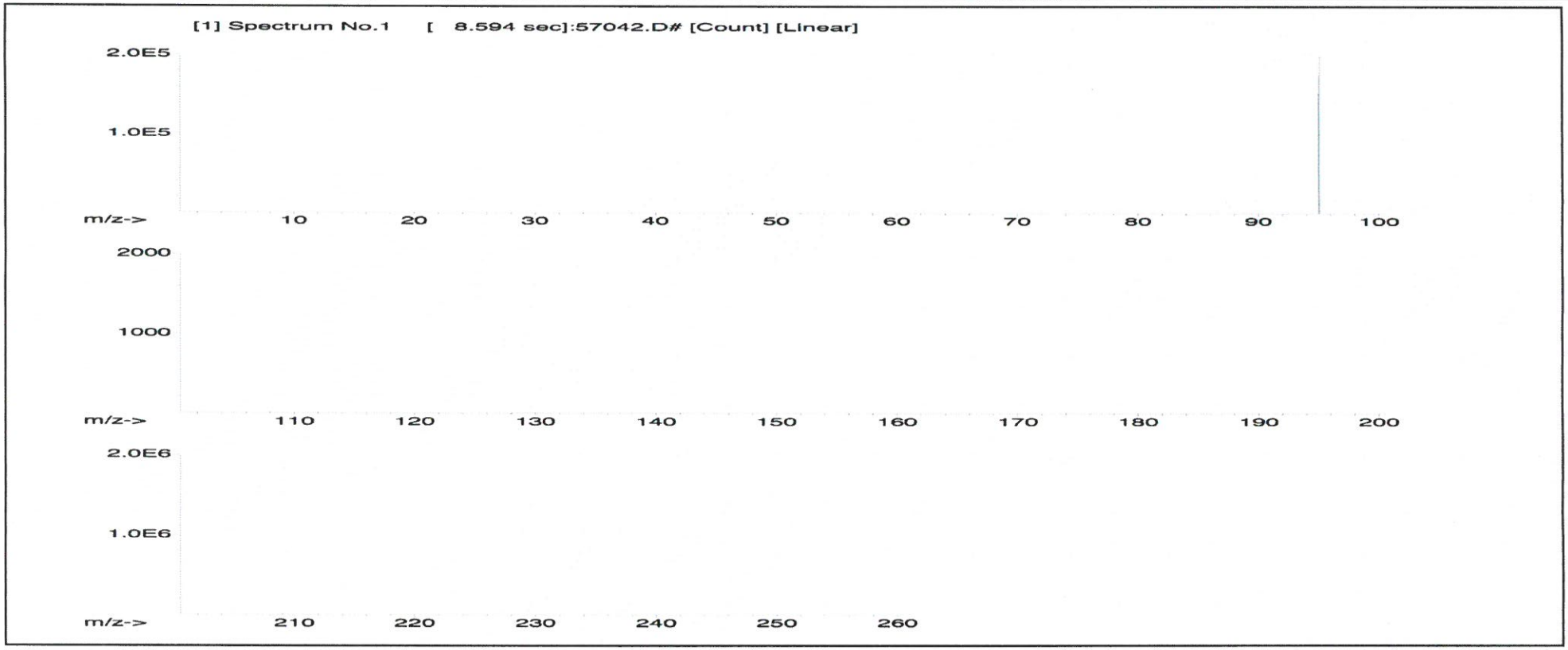
615

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:
Part Number:	**57042**		
Lot Number:	**051722**	MKBQ8597V	Ammonium hydroxide
Description:	**Molybdenum (Mo)**		
		0.5%	15.0 (mL) Ammonium hydroxide
Expiration Date:	051725		
Recommended Storage:	Ambient (20 °C)		
Nominal Concentration (µg/mL):	**1000**		
NIST Test Number:	6UTB	5E-05	Balance Uncertainty
Volume shown below was diluted to (mL):	3000.41	0.058	Flask Uncertainty

Formulated By:	Lawrence Barry	051722
Reviewed By:	Pedro L. Rentas	051722

	Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1.	Ammonium molybdate (Mo)	58142	022222	0.1000	300.0	0.084	1000	10001.0	**1000.0**	**2.1**	13106-76-8	5 mg(Mo)/m3	orl-rat 333 mg/kg	3134



616

Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	T	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* 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).

V15200 R: 04/24/22 (BP)

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Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number: 58119
Lot Number: 071122
Description: Potassium (K)

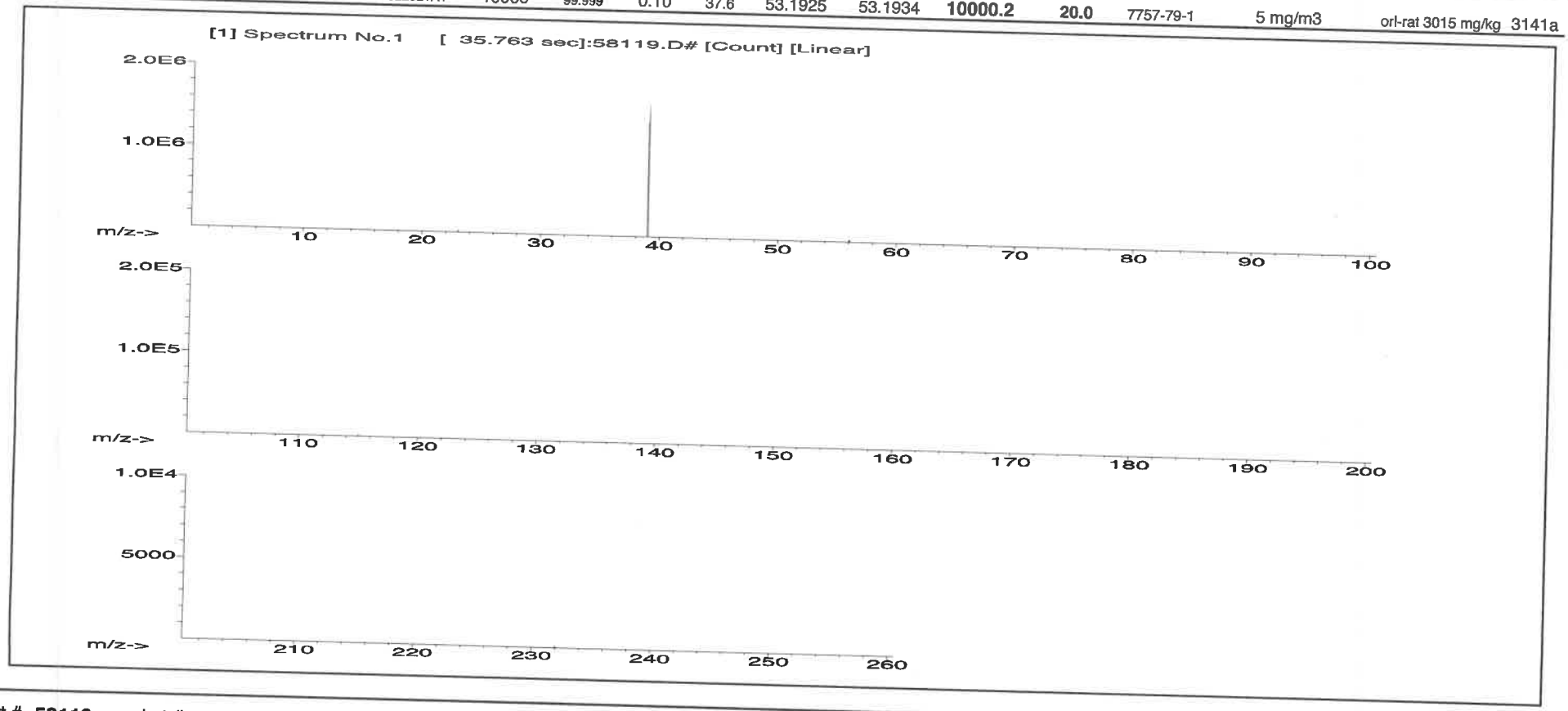
Expiration Date: 071125
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 2000.02

	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



617

618

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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https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number: 58113
Lot Number: 070622
Description: Aluminum (Al)

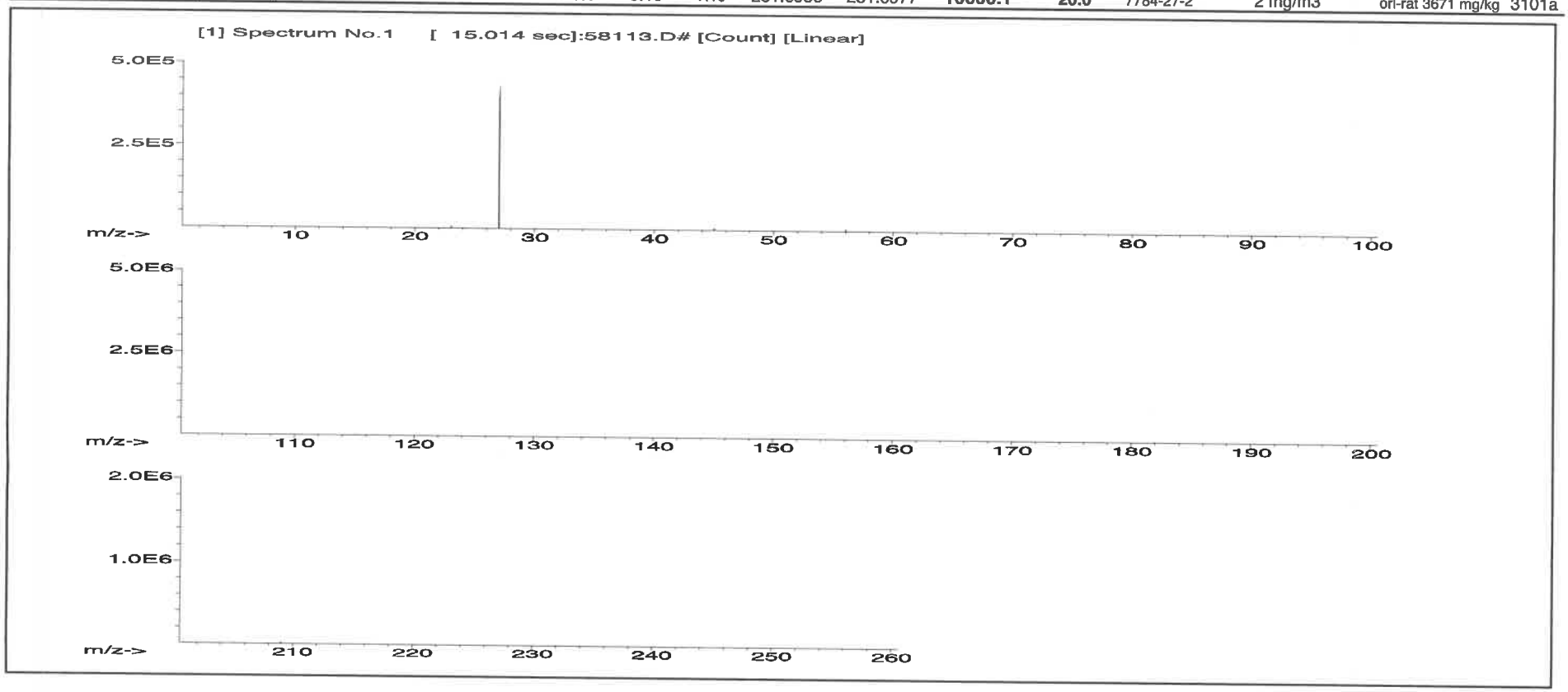
Expiration Date: 070625
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 2000.02 ± 0.058 Flask Uncertainty

		Lot #	
Solvent:	20370011	Nitric Acid	
2%	40.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty

Formulated By:	Lawrence Barry	070622
Reviewed By:	Pedro L. Rentas	070622

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Aluminum nitrate nonahydrate (Al)	IN022	ALD012021A1	10000	99.999	0.10	7.10	281.6956	281.6977	**10000.1**	**20.0**	7784-27-2	2 mg/m3	orl-rat 3671 mg/kg	3101a



620

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

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Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	6020CAL-1
Lot Number:	S2-MEB711244
Matrix:	5% (v/v) HNO3 tr. HF
Value / Analyte(s):	20 µg/mL ea:

Silver,	Aluminum,
Arsenic,	Barium,
Beryllium,	Calcium,
Cadmium,	Cobalt,
Chromium,	Copper,
Iron,	Potassium,
Magnesium,	Manganese,
Sodium,	Nickel,
Lead,	Antimony,
Selenium,	Thallium,
Vanadium,	Zinc

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Aluminum, Al	**20.01 ± 0.08 µg/mL**	**Antimony, Sb**	**20.01 ± 0.12 µg/mL**
Arsenic, As	**20.01 ± 0.18 µg/mL**	**Barium, Ba**	**20.01 ± 0.11 µg/mL**
Beryllium, Be	**20.01 ± 0.14 µg/mL**	**Cadmium, Cd**	**20.01 ± 0.11 µg/mL**
Calcium, Ca	**20.01 ± 0.10 µg/mL**	**Chromium, Cr**	**20.01 ± 0.16 µg/mL**
Cobalt, Co	**20.01 ± 0.11 µg/mL**	**Copper, Cu**	**20.01 ± 0.10 µg/mL**
Iron, Fe	**20.01 ± 0.09 µg/mL**	**Lead, Pb**	**20.01 ± 0.11 µg/mL**
Magnesium, Mg	**19.99 ± 0.10 µg/mL**	**Manganese, Mn**	**20.01 ± 0.10 µg/mL**
Nickel, Ni	**20.01 ± 0.11 µg/mL**	**Potassium, K**	**20.01 ± 0.10 µg/mL**
Selenium, Se	**20.02 ± 0.14 µg/mL**	**Silver, Ag**	**20.02 ± 0.09 µg/mL**
Sodium, Na	**20.01 ± 0.10 µg/mL**	**Thallium, Tl**	**20.01 ± 0.13 µg/mL**
Vanadium, V	**20.01 ± 0.11 µg/mL**	**Zinc, Zn**	**20.01 ± 0.11 µg/mL**

Density: 1.026 g/mL (measured at 20 ± 4 ºC)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	160729
Ag	Volhard	999c	999c
Al	ICP Assay	3101a	140903
Al	EDTA	928	928
As	ICP Assay	3103a	100818
Ba	ICP Assay	3104a	140909
Ba	Gravimetric		See Sec. 4.2
Be	ICP Assay	3105a	090514
Ca	ICP Assay	3109a	130213
Ca	EDTA	928	928
Cd	ICP Assay	3108	130116
Cd	EDTA	928	928
Co	ICP Assay	3113	190630
Co	EDTA	928	928
Cr	ICP Assay	3112a	170630
Cu	ICP Assay	3114	121207
Cu	EDTA	928	928
Fe	ICP Assay	3126a	140812
Fe	EDTA	928	928
Fe	Calculated		See Sec. 4.2
K	ICP Assay	3141a	140813
K	Gravimetric		See Sec. 4.2
Mg	ICP Assay	3131a	140110
Mg	EDTA	928	928
Mn	ICP Assay	3132	050429
Mn	EDTA	928	928
Na	ICP Assay	3152a	120715
Na	Gravimetric		See Sec. 4.2
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
Pb	ICP Assay	3128	101026
Pb	EDTA	928	928
Se	ICP Assay	3149	100901
Se	Calculated		See Sec. 4.2
Tl	ICP Assay	3158	151215
Tl	Calculated		See Sec. 4.2
V	ICP Assay	3165	160906
V	EDTA	928	928
Zn	ICP Assay	3168a	120629
Zn	EDTA	928	928

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

$CRM/RM\ Expanded\ Uncertainty\ (\pm) = U_{CRM/RM} = k\ (u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\ (u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\ (u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

$CRM/RM\ Expanded\ Uncertainty\ (\pm) = U_{CRM/RM} = k\ (u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

HF Note: This standard should not be prepared or stored in glass.

Low Silver Note: This solution contains “LOW” levels of Silver. Please store this entire bottle inside a sealed glass jar.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

October 20, 2021

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **October 20, 2026**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Michael Booth
Director, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



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R: 09/08/22 (BH)

Certified Reference Material CRM

M5387 · M5389 · M5390 · M5391 · M5392

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627

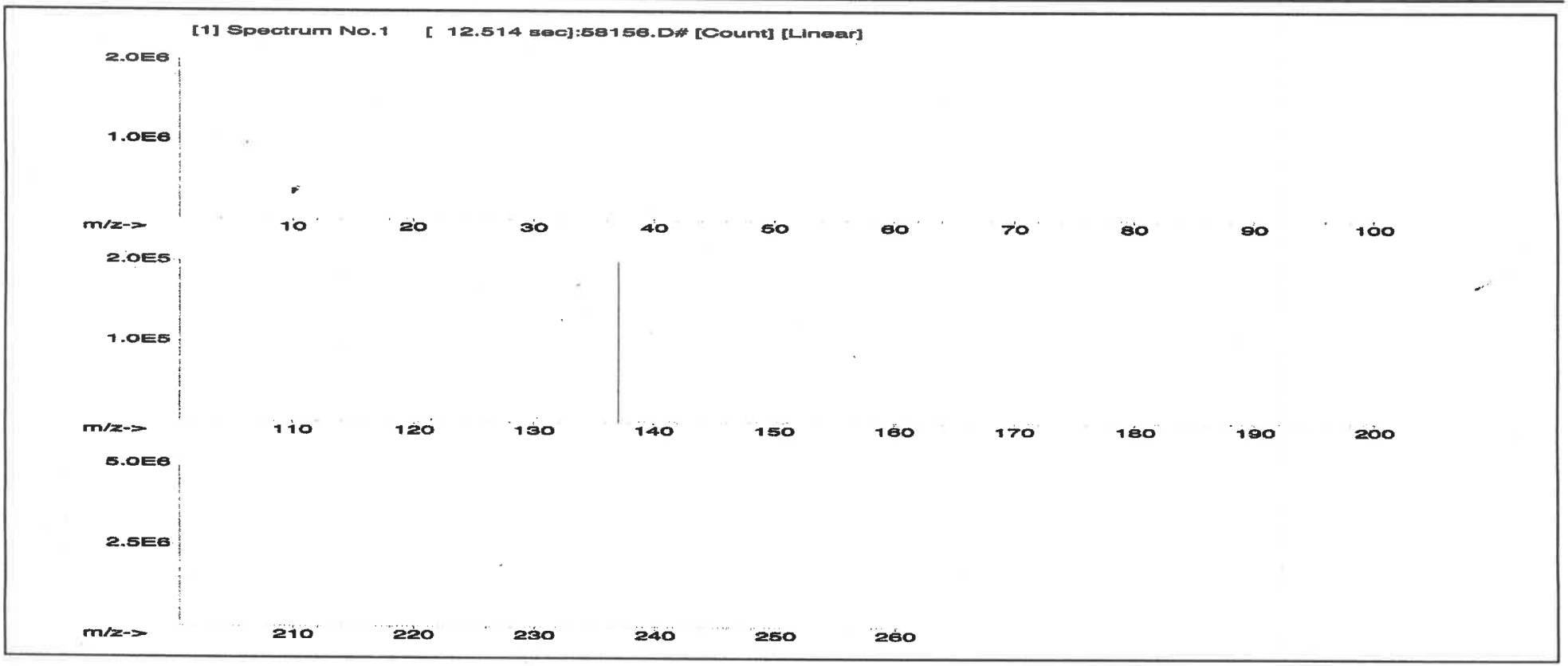
CERTIFIED WEIGHT REPORT:

			Lot #	
Part Number:	**57056**	**Solvent:**	20510011	Nitric Acid
Lot Number:	**072122**			
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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IN5497 - IN5498 R: 03/17/23 BH

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CERTIFIED WEIGHT REPORT:

Part Number: 58120
Lot Number: 031523
Description: Calcium (Ca)

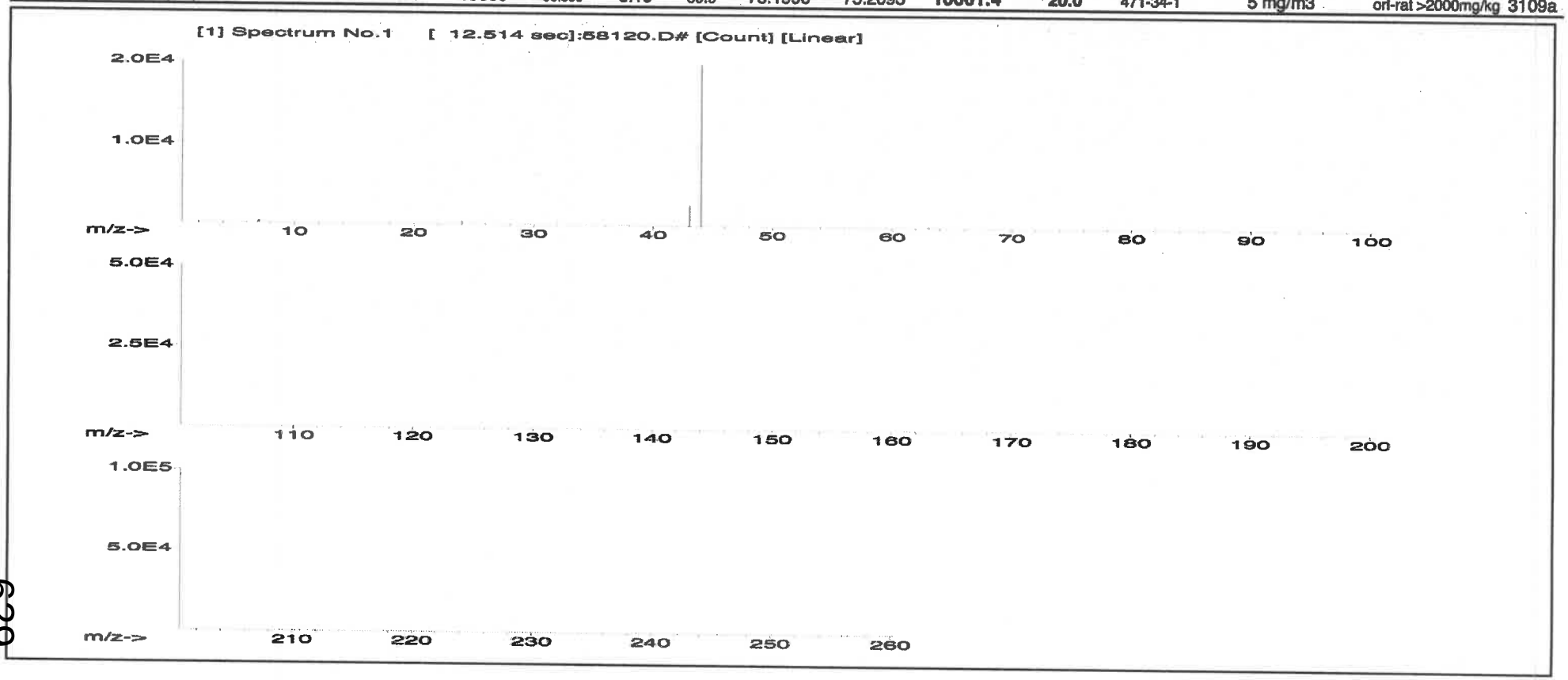
Expiration Date: 031526
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 3000.41 ± 0.058 Flask Uncertainty

	Lot #		
Solvent:	21110221	Nitric Acid	
2%	60.0 (mL)	Nitric Acid	
	5E-05	Balance Uncertainty	

Giovanni Esposito
Formulated By: Giovanni Esposito 031523

Pedro Rentas
Reviewed By: Pedro L. Rentas 031523

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Calcium carbonate (Ca)	IN014	CAD072022A1	10000	99.999	0.10	39.9	75.1990	75.2093	**10001.4**	**20.0**	471-34-1	5 mg/m3	orl-rat >2000mg/kg	3109a



629

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).

630

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Certified Reference Material CRM

MS513 R:03/17/23 BE

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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

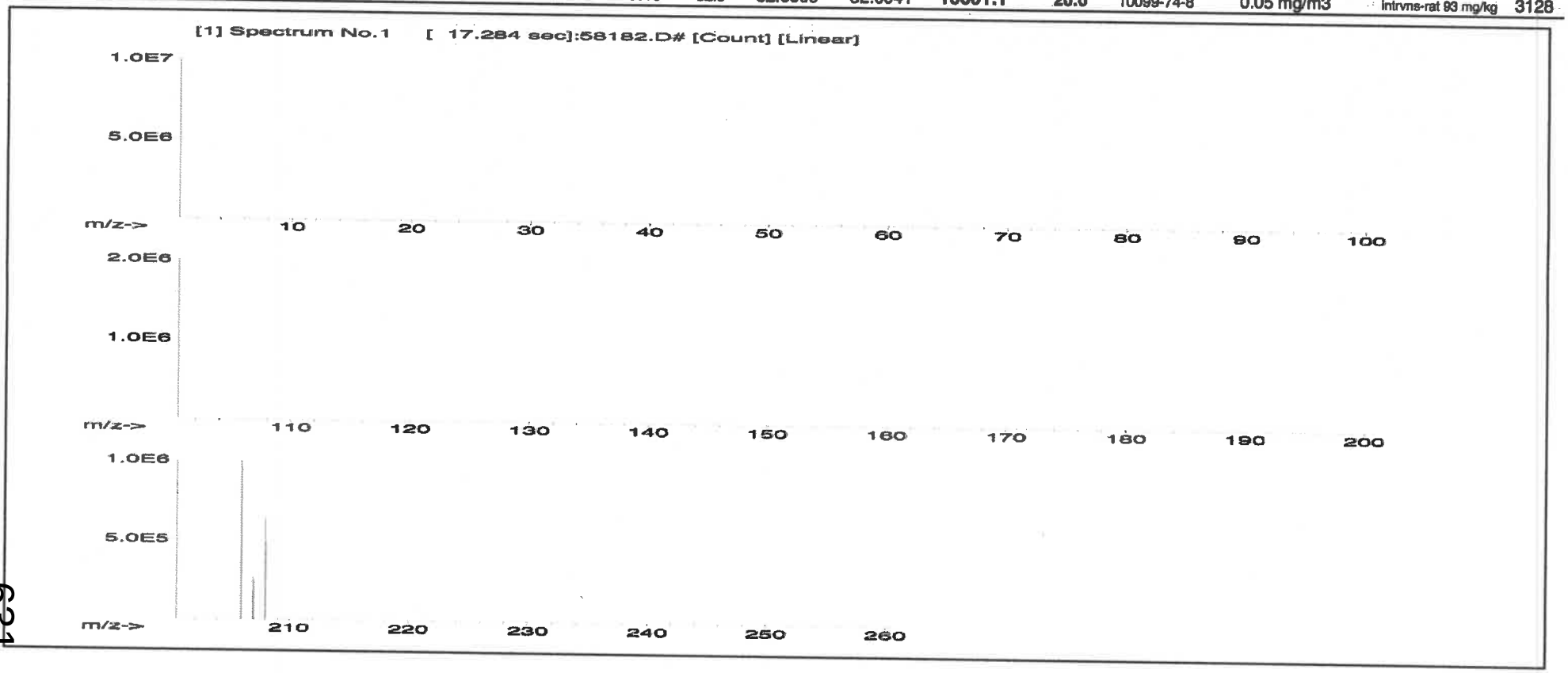
	Lot #		
Solvent:	20510011	Nitric Acid	
2%	40.0 (mL)	Nitric Acid	

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



631

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

MS514 - MS515 R: 03/17/22

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AR-1539 Certificate Number
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CERTIFIED WEIGHT REPORT:

Part Number: 58126
Lot Number: 092122
Description: Iron (Fe)

Expiration Date: 092125
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 5000.1 ± 0.12 Flask Uncertainty

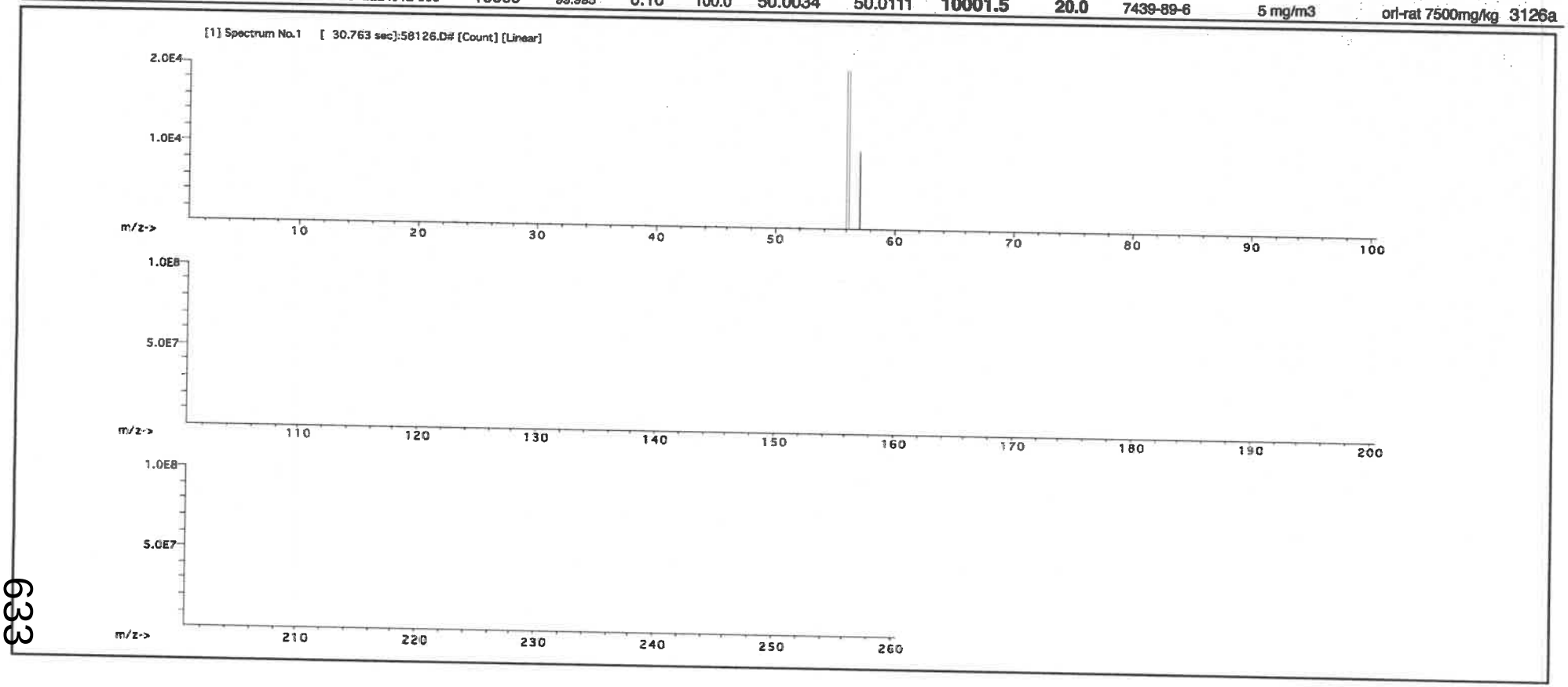
	Lot #		
Solvent:	20510011	Nitric Acid	
7.0%	350.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty

Giovanni Esposito
Formulated By: Giovanni Esposito 092122

Pedro Rentas
Reviewed By: Pedro L. Rentas 092122

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Iron (Fe)	IN346	2224912-500	10000	99.995	0.10	100.0	50.0034	50.0111	**10001.5**	**20.0**	7439-89-6	5 mg/m3	orl-rat 7500mg/kg	3126a



633

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.10	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.10	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.05	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.10	Ge	<0.10	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.05
B	<0.02	Cu	<0.10	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
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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).

634

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Certified Reference Material CRM

M5519. M5520 (BH) R:03/17/23

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635

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

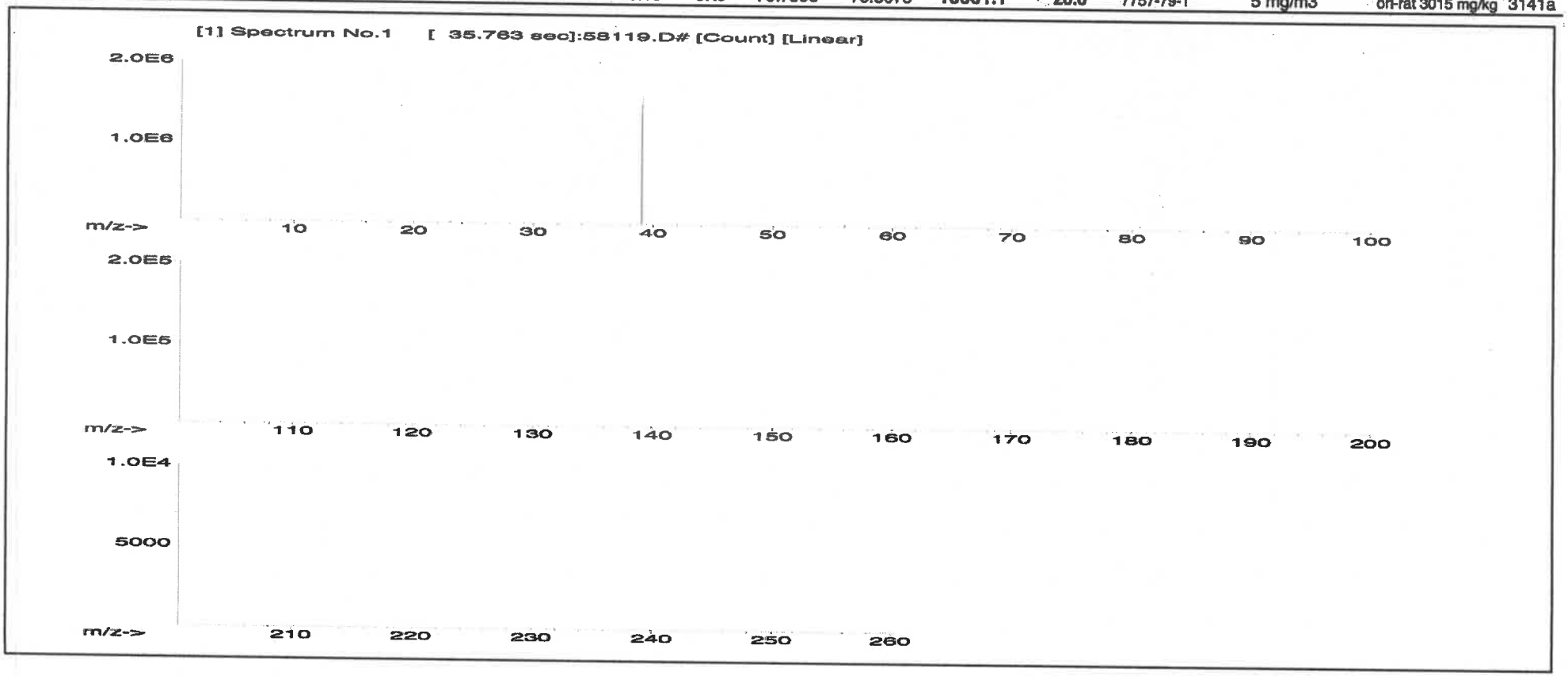
	Lot #		
Solvent:	20510011	Nitric Acid	
2%	60.0 (mL)	Nitric Acid	

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



636

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	T	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:



* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
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* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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Certified Reference Material CRM

M5658 R! 8/25/23

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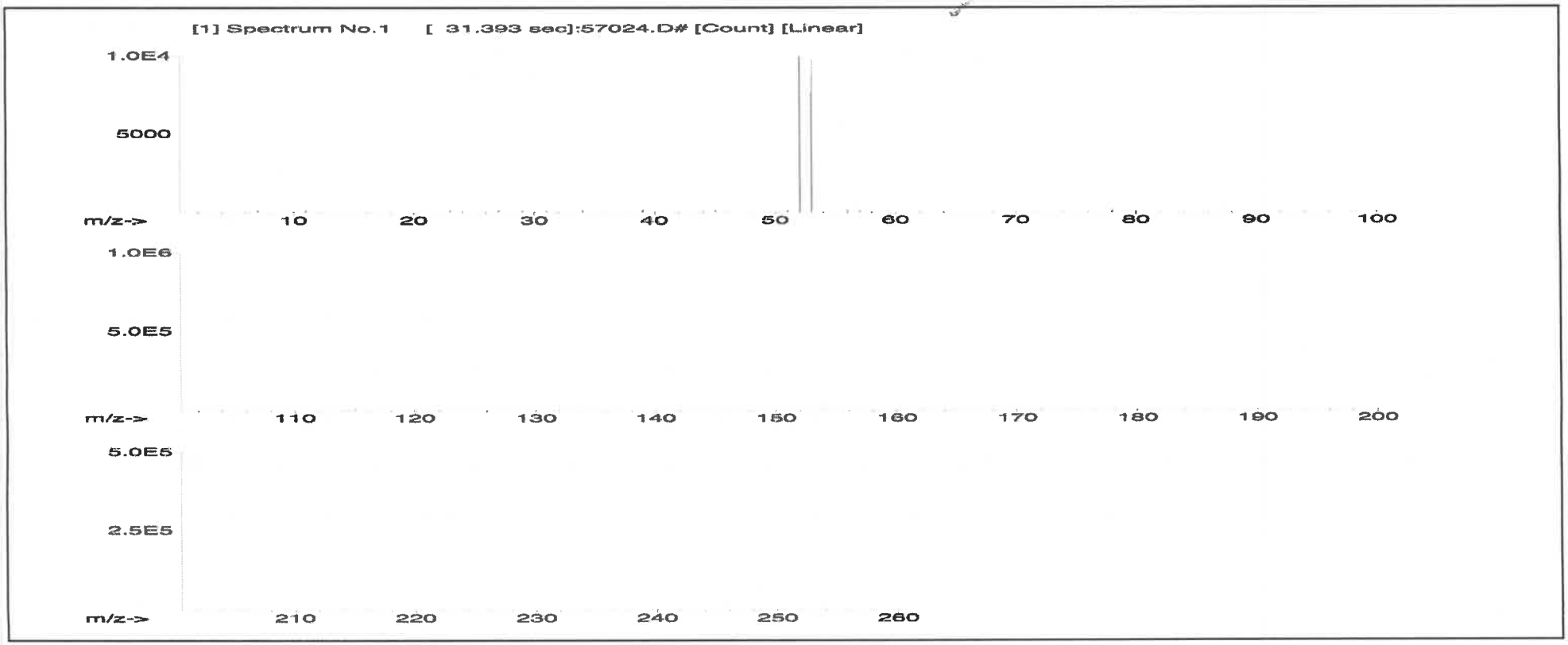
637

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:	
Part Number:	**58024**	21110221	Nitric Acid	
Lot Number:	**060523**			
Description:	**Chromium (Cr)**			
		2.0%	40.0 (mL)	Nitric Acid
Expiration Date:	060526			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Volume shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty	

Formulated By:	Lawrence Barry	060523
Reviewed By:	Pedro L. Rentas	060523

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Chromium(III) nitrate nonahydrate (Cr)	58124	071122	0.1000	200.0	0.084	1000	10000.1	**1000.0**	**2.2**	7789-02-8	0.5 mg(Cr)/m3	orl-rat 3250 mg/kg	3112a



638

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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M5648 R: 10/27/23

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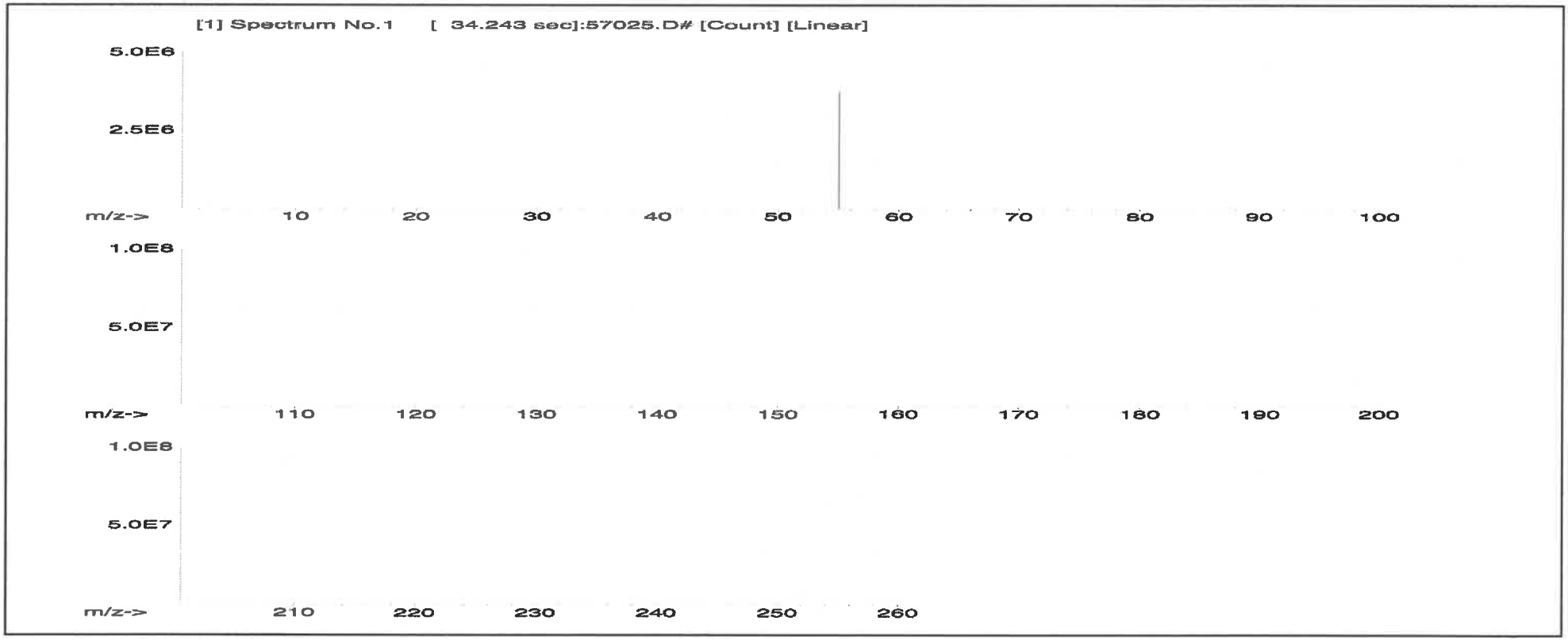
639

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



640

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	T	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the balances that are calibrated with weights traceable to NIST (see above).
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* 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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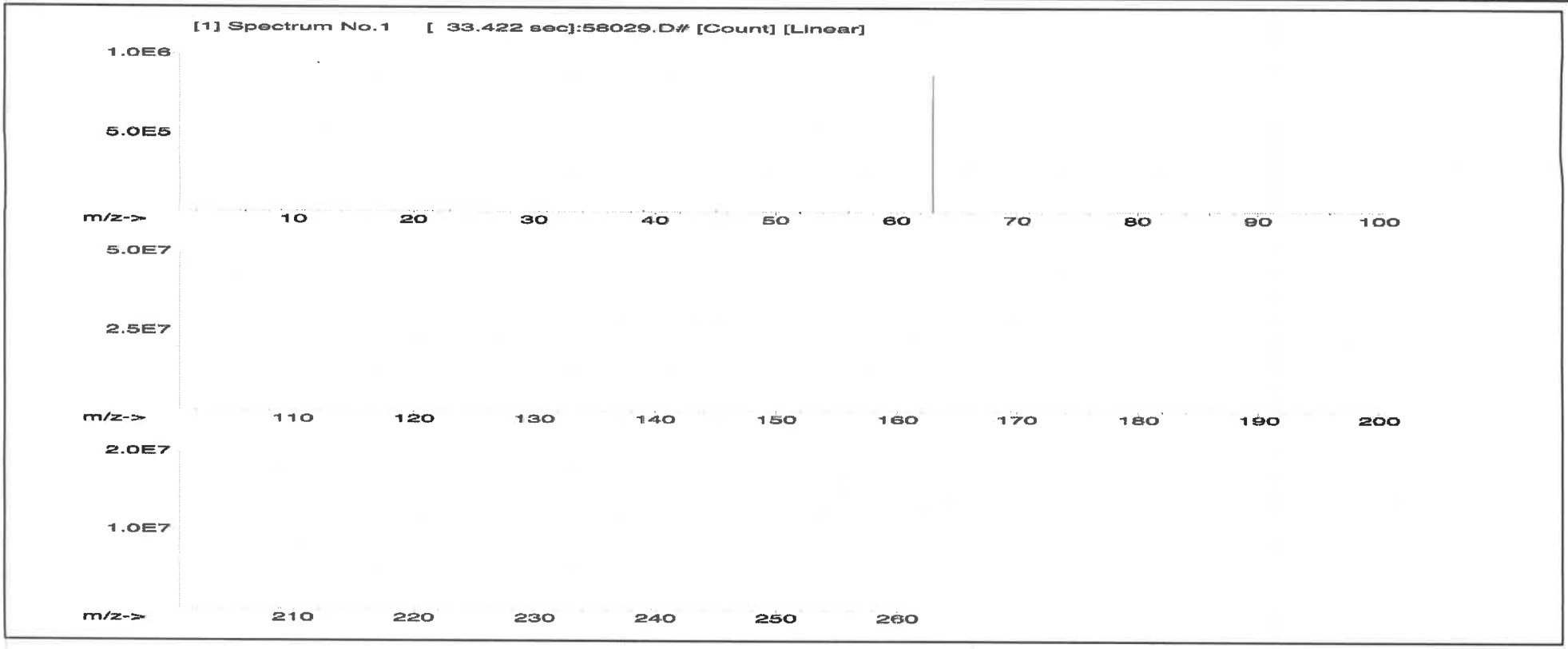
641

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:	
Part Number:	**58029**	21110221	Nitric Acid	
Lot Number:	**071723**			
Description:	**Copper (Cu)**	2.0%	40.0 (mL)	Nitric Acid
Expiration Date:	071726			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Volume shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty	

Formulated By:	Benson Chan	071723
Reviewed By:	Pedro L. Rentas	071723

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Copper(II) nitrate trihydrate (Cu)	58129	022723	0.1000	200.0	0.084	1000	10000.5	**1000.0**	**2.2**	10031-43-3	1 mg/m3	orl-rat 794 mg/kg	3114



642

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	T	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

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M5768 M5769 (BP) R:1/3/24

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643

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

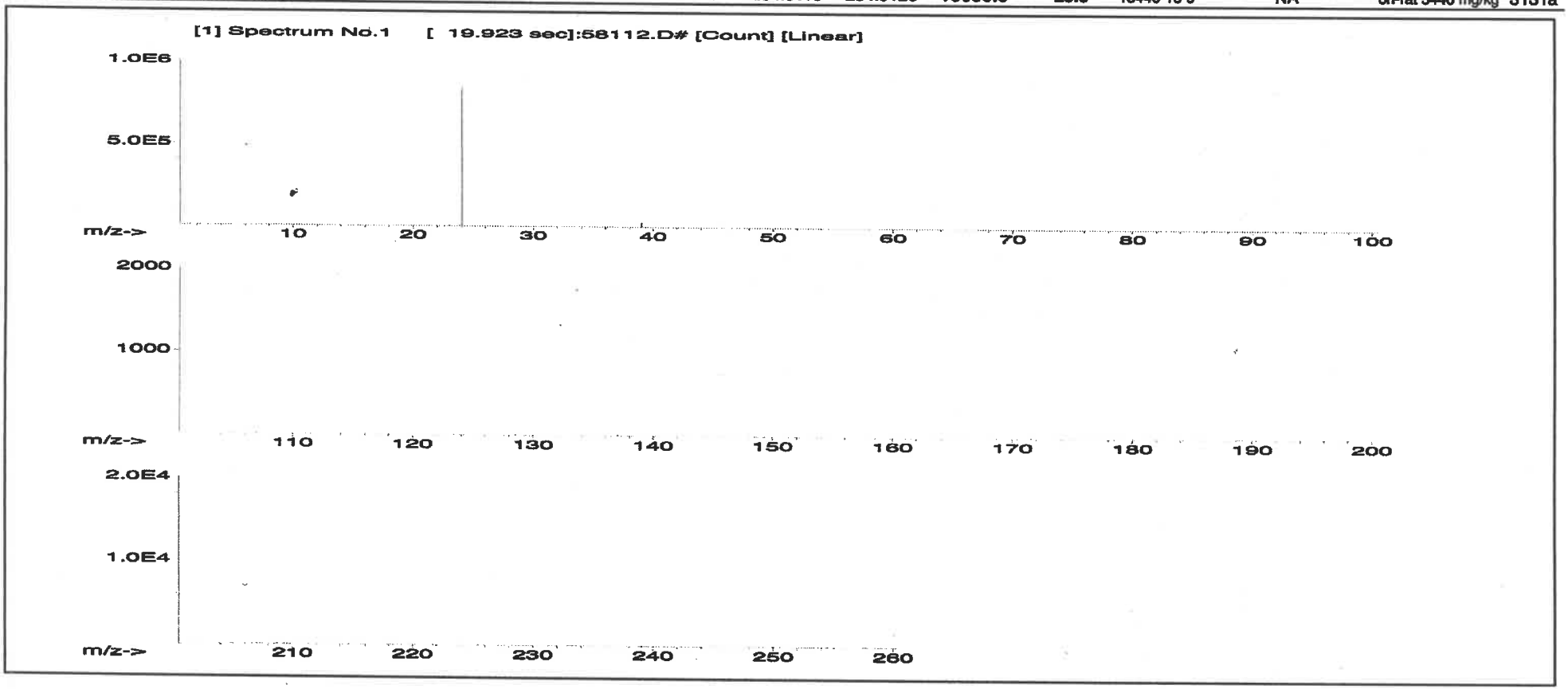
5E-05 Balance Uncertainty

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



644

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	T	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

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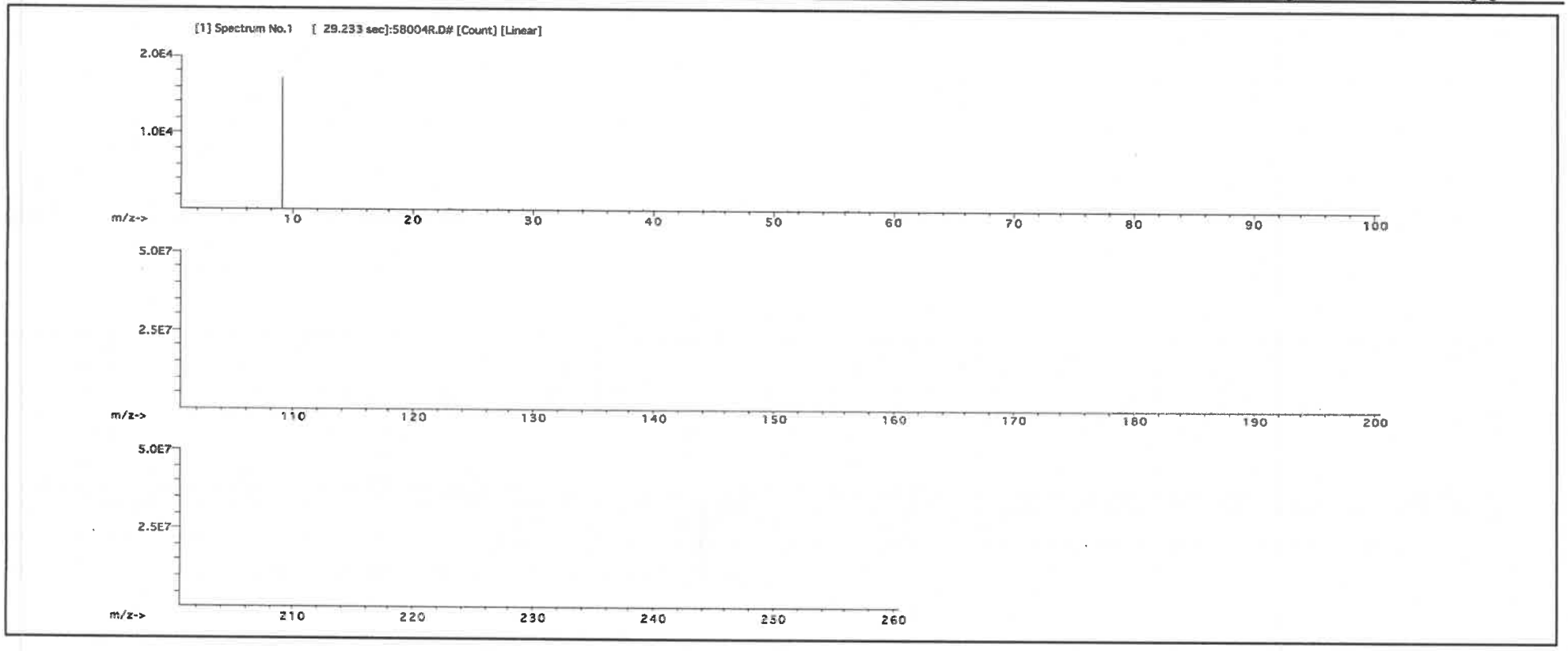
645

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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647

CERTIFIED WEIGHT REPORT:

Part Number: 57050
Lot Number: 071123
Description: Tin (Sn)

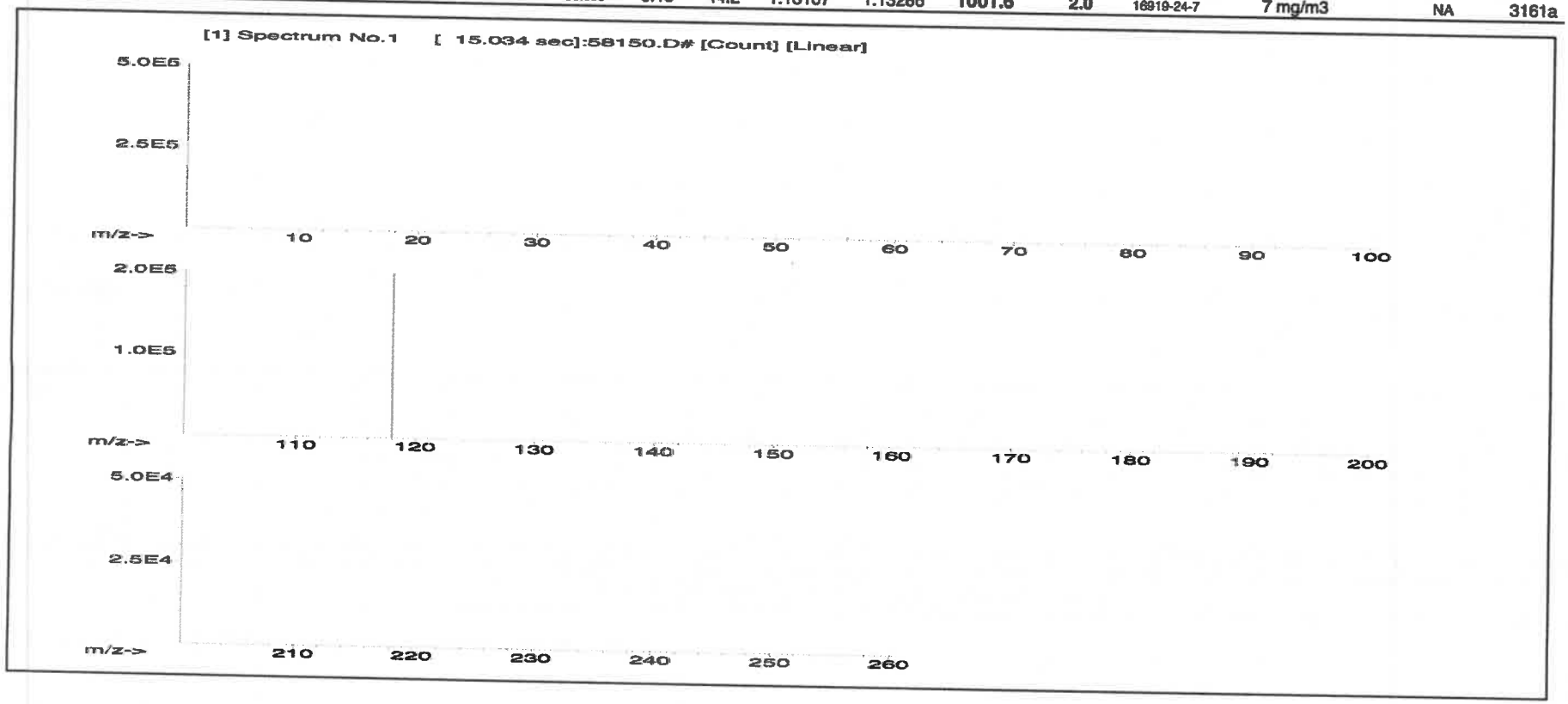
Expiration Date: 071126
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 499.93

	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



648

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<500	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	T	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

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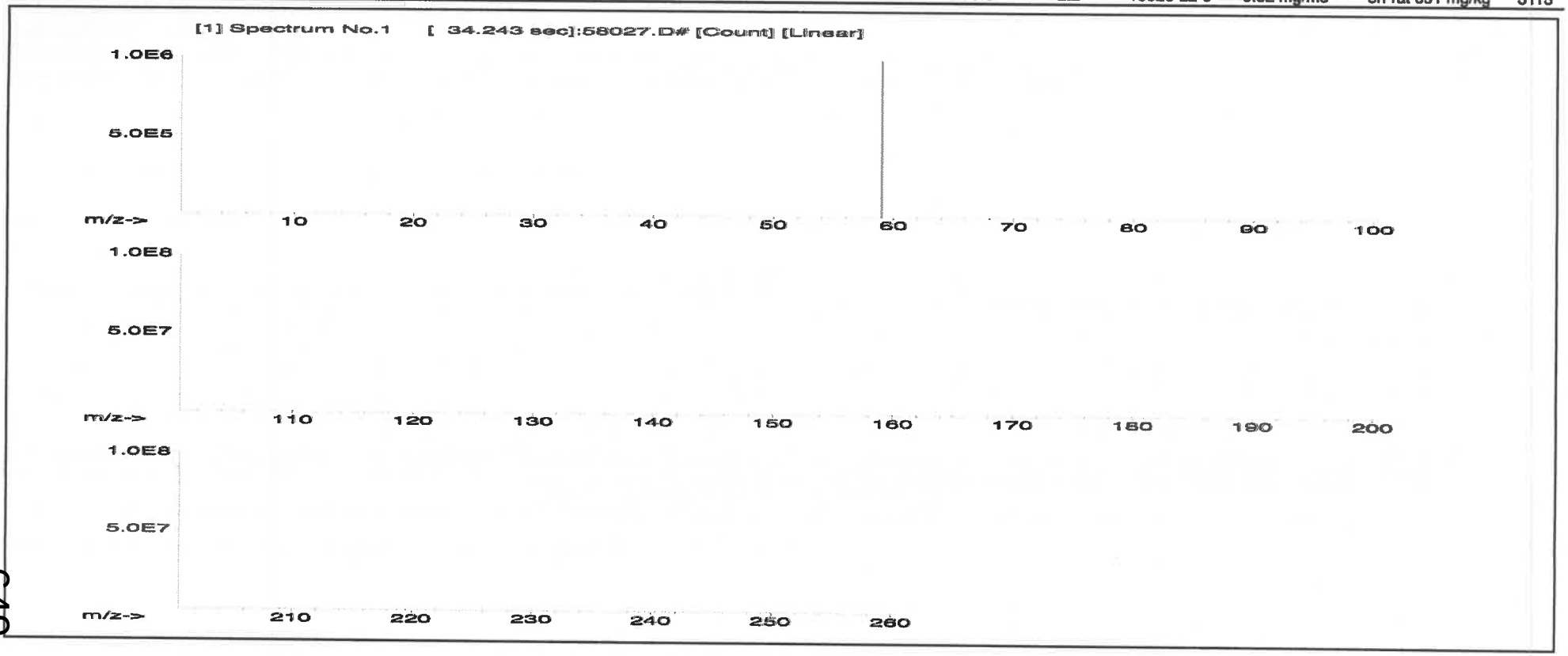
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CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:		
Part Number:	**57027**	24002546	Nitric Acid		
Lot Number:	**091923**				
Description:	**Cobalt (Co)**				
		2.0%	40.0 (mL)	Nitric Acid	
Expiration Date:	091926				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Volume shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty		

Formulated By:	Lawrence Barry	091923
Reviewed By:	Pedro L. Rentas	091923

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Cobalt(II) nitrate hexahydrate (Co)	58127	050923	0.1000	200.0	0.084	1000	10000.0	**1000.0**	**2.2**	10026-22-9	0.02 mg/m3	orl-rat 691 mg/kg	3113



649

Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	T	Gé	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

650

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651

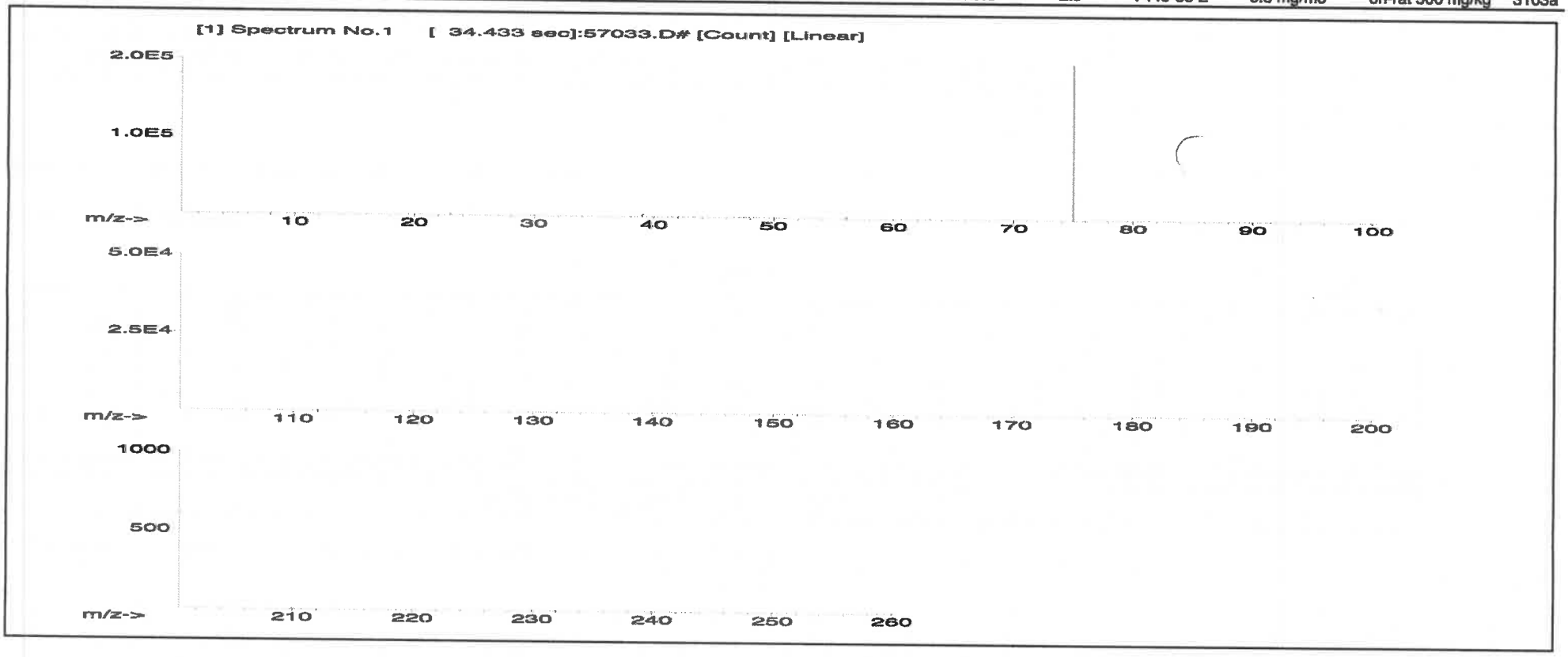
CERTIFIED **WEIGHT** REPORT:

		Lot #	Solvent:		
Part Number:	**57033**				
Lot Number:	**111323**	24002546	Nitric Acid		
Description:	**Arsenic (As)**				
		2.0%	80.0 (mL)	Nitric Acid	
Expiration Date:	111326				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Volume shown below was diluted to (mL):	4000.0	0.06	Flask Uncertainty		

Formulated By: Lawrence Barry 111323

Reviewed By: Pedro L. Rentas 111323

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Arsenic (As)	58133	020522	0.1000	400.0	0.084	1000	10001.0	**1000.0**	**2.0**	7440-38-2	0.5 mg/m3	orl-rat 500 mg/kg	3103a



652

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	T	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge*	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
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* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
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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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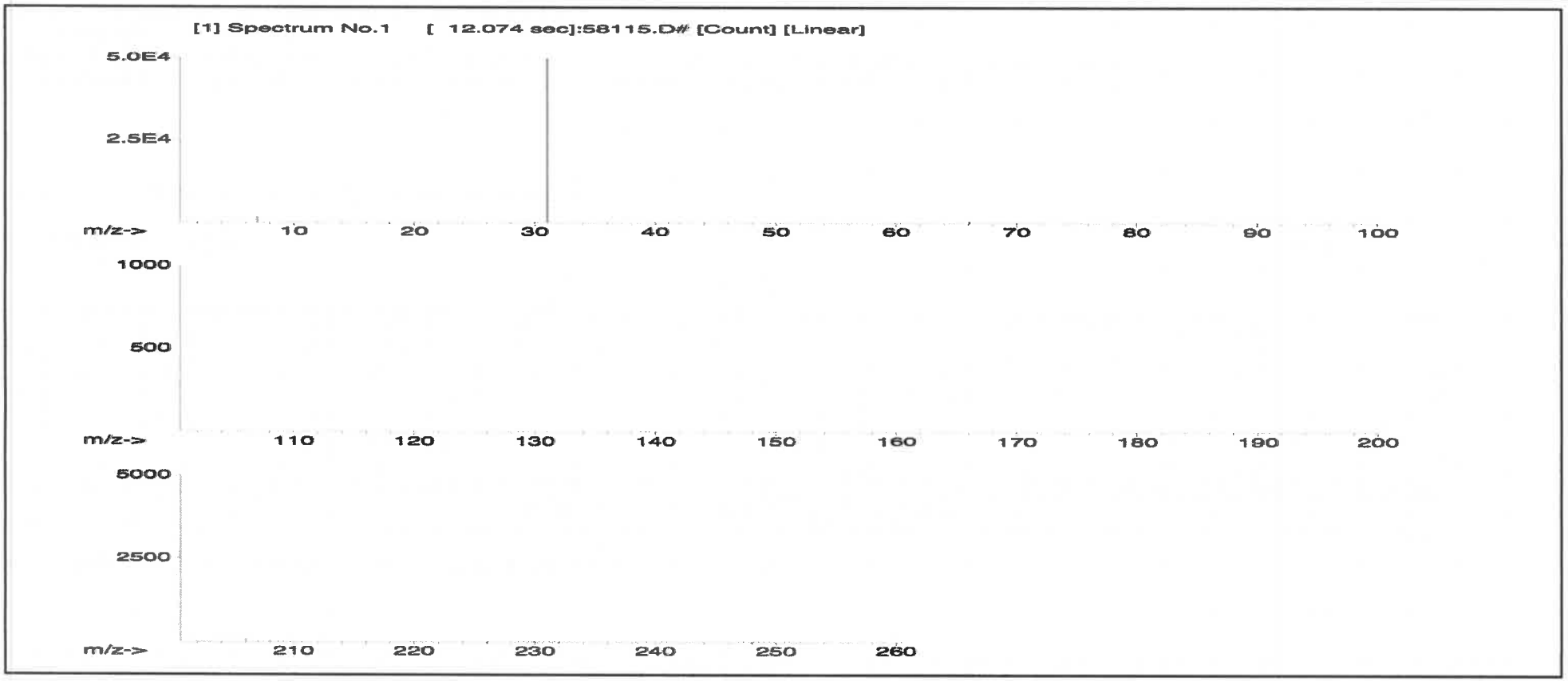
653

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



654

Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	T	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

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* 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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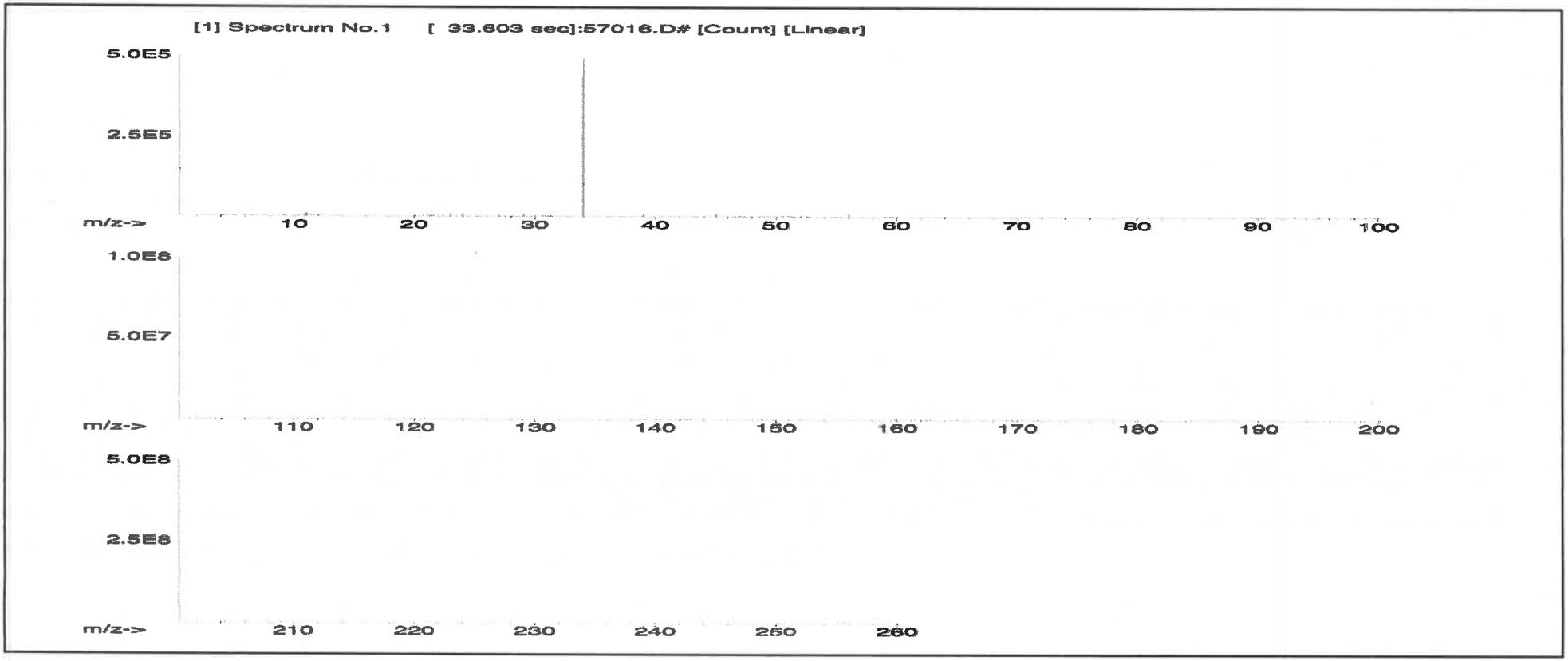
655

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



959

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	T	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

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* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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657

CERTIFIED WEIGHT REPORT:

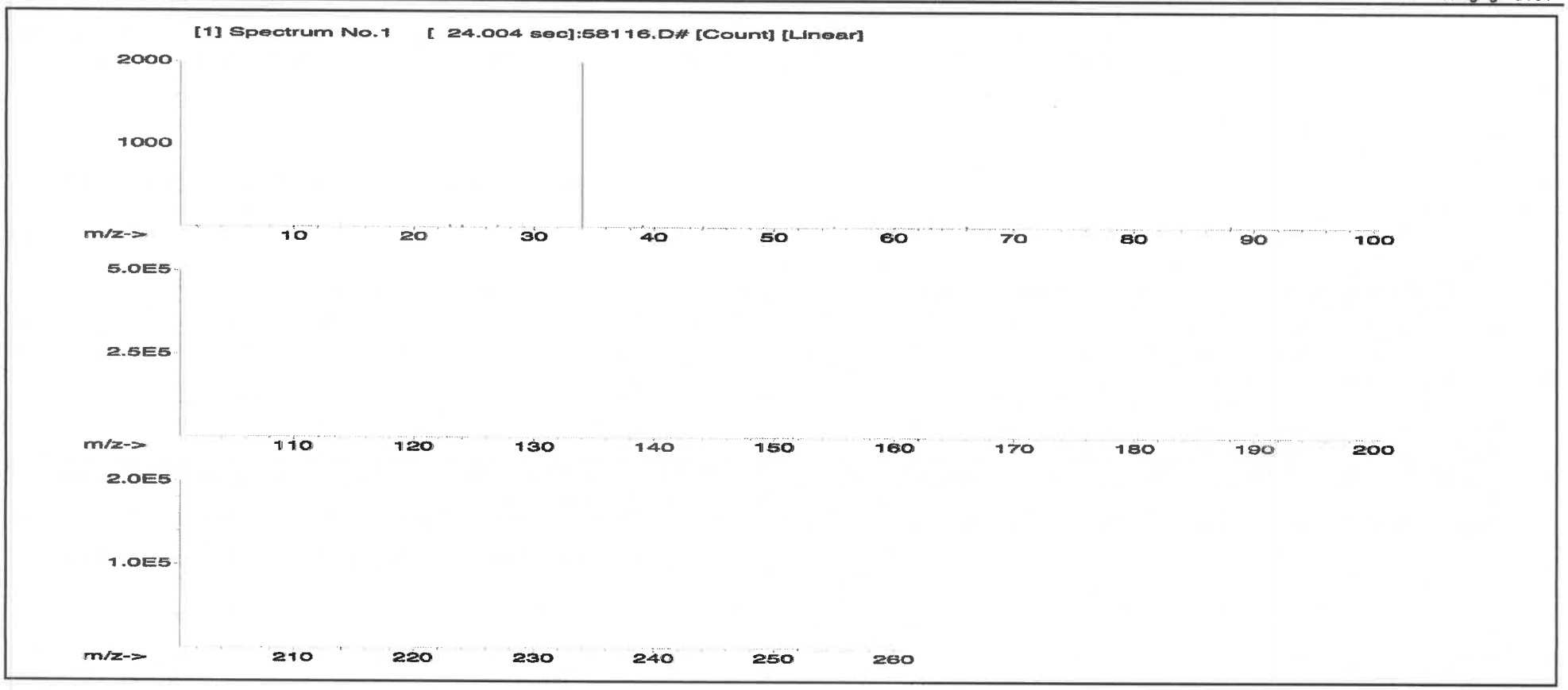
Part Number: 57116
Lot Number: 071123
Description: Sulfur (S)

Lot #
Solvent: 071123 ASTM Type 1 Water

Expiration Date: 071126
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB 5E-05 Balance Uncertainty
Weight shown below was diluted to (mL): 1999.48 0.058 Flask Uncertainty

Formulated By:	Lawrence Barry	071123
Reviewed By:	Pedro L. Rentas	071123

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Ammonium sulfate (S)	IN117	SLBR7225V	10000	99.9	0.10	24.3	82.4675	82.4682	**10000.1**	**20.0**	7783-20-2	NA	orl-rat 4250mg/kg	3181



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	T	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:



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R: 02/09/24 M.5818

Lot #

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659

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

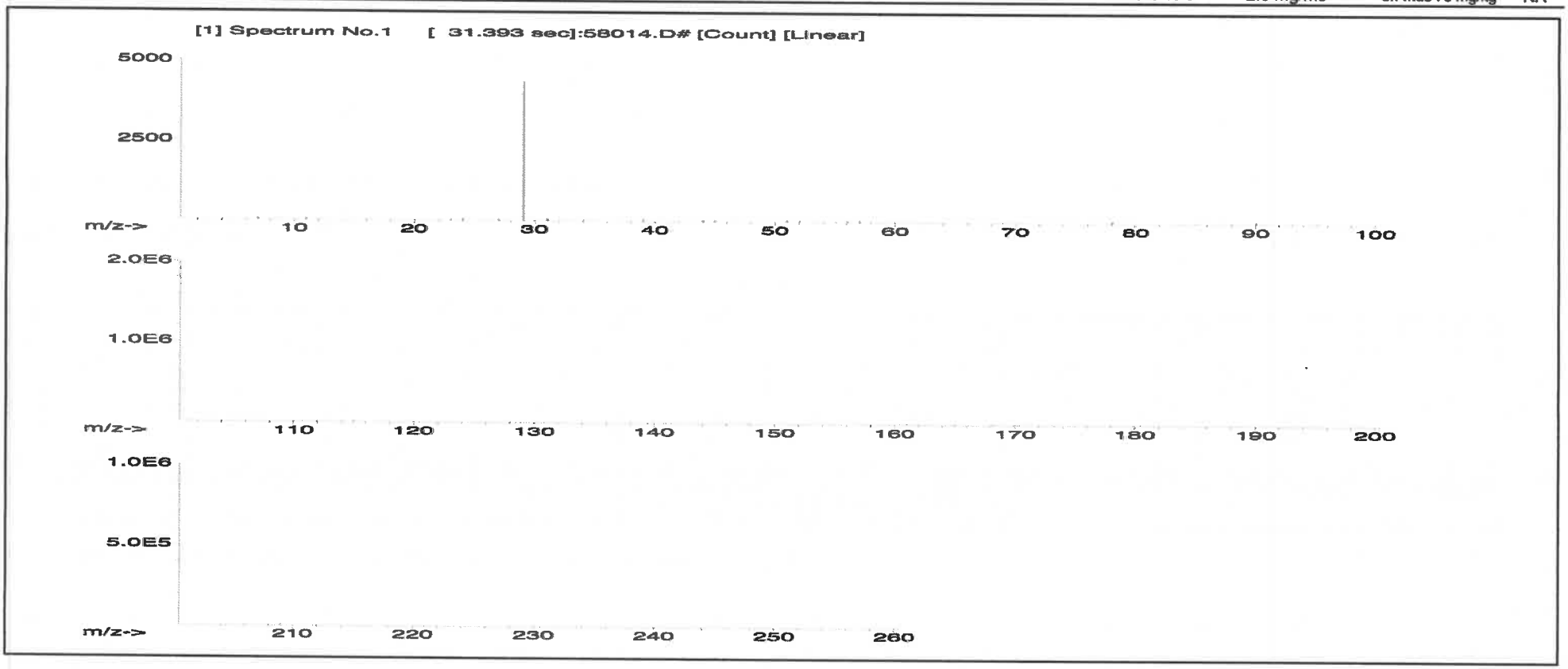
Aleah O'Brady

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



099

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	T	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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661

CERTIFIED WEIGHT REPORT:

Part Number: 58030
Lot Number: 111623
Description: Zinc (Zn)

Expiration Date: 111626
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB

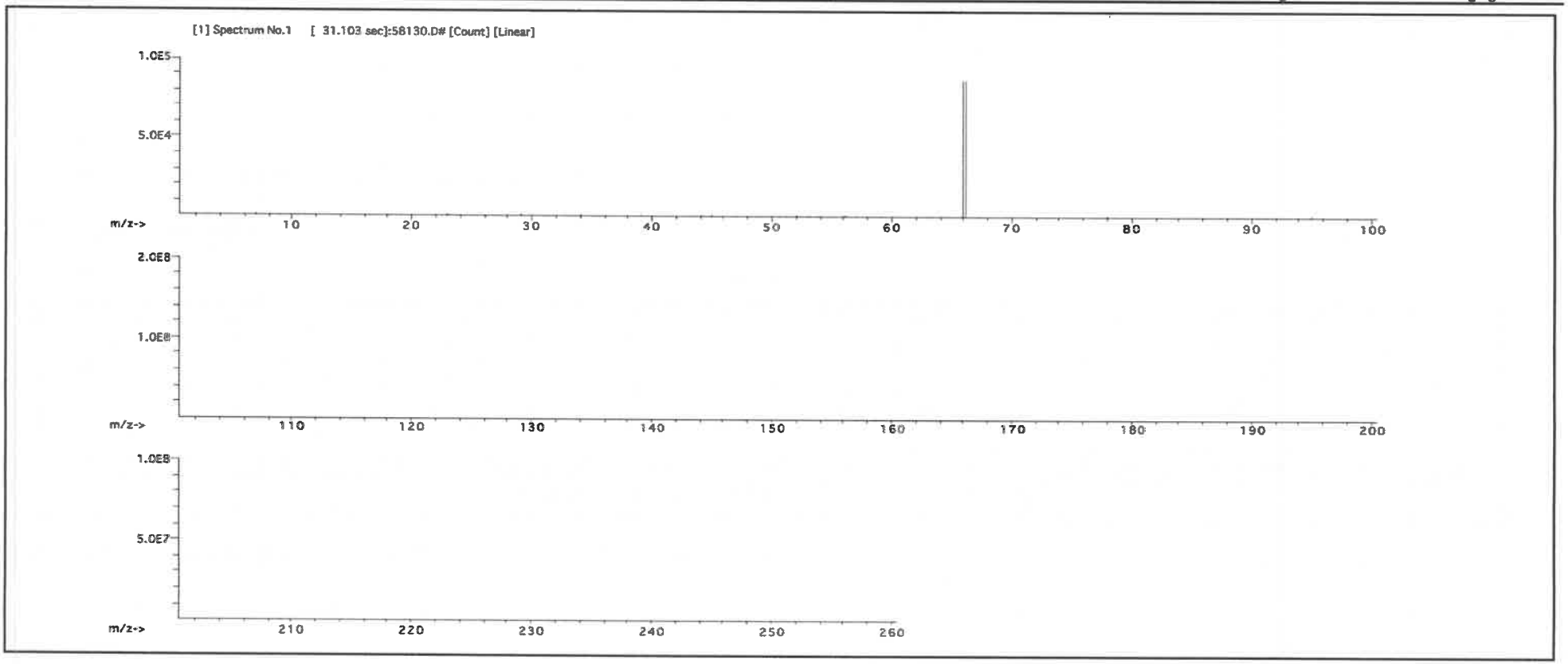
Weight shown below was diluted to (mL): 3000.4 0.06 Flask Uncertainty

	Lot #		
Solvent:	24002546	Nitric Acid	
2%	60.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty

Formulated By:	Benson Chan	111623
Reviewed By:	Pedro L. Rentas	111623

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Zinc nitrate hexahydrate (Zn)	IN016	ZNE032021A1	1000	99.999	0.10	24.3	12.3475	12.3502	**1000.2**	**2.0**	10196-18-6	1 mg/m3	orl-rat 1190mg/kg	3168



662

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.
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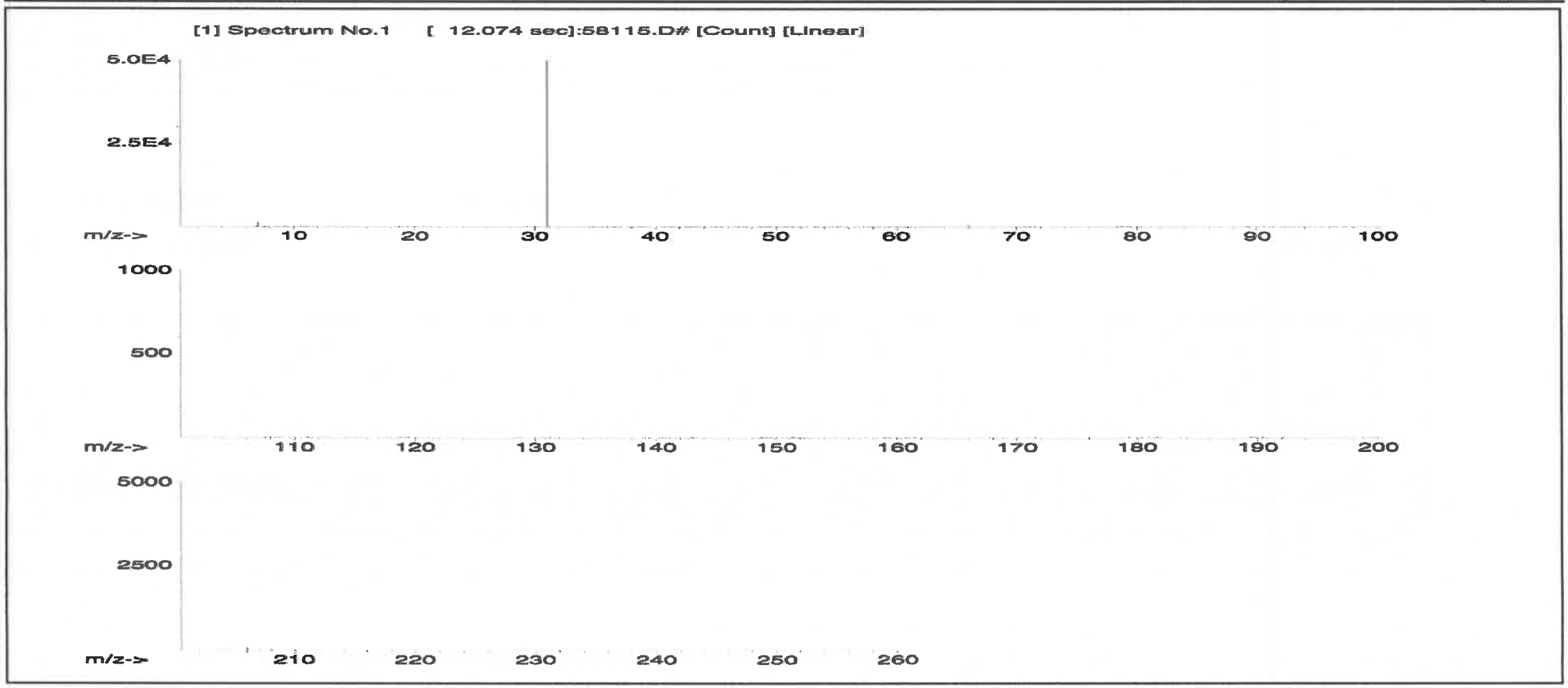
663

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.
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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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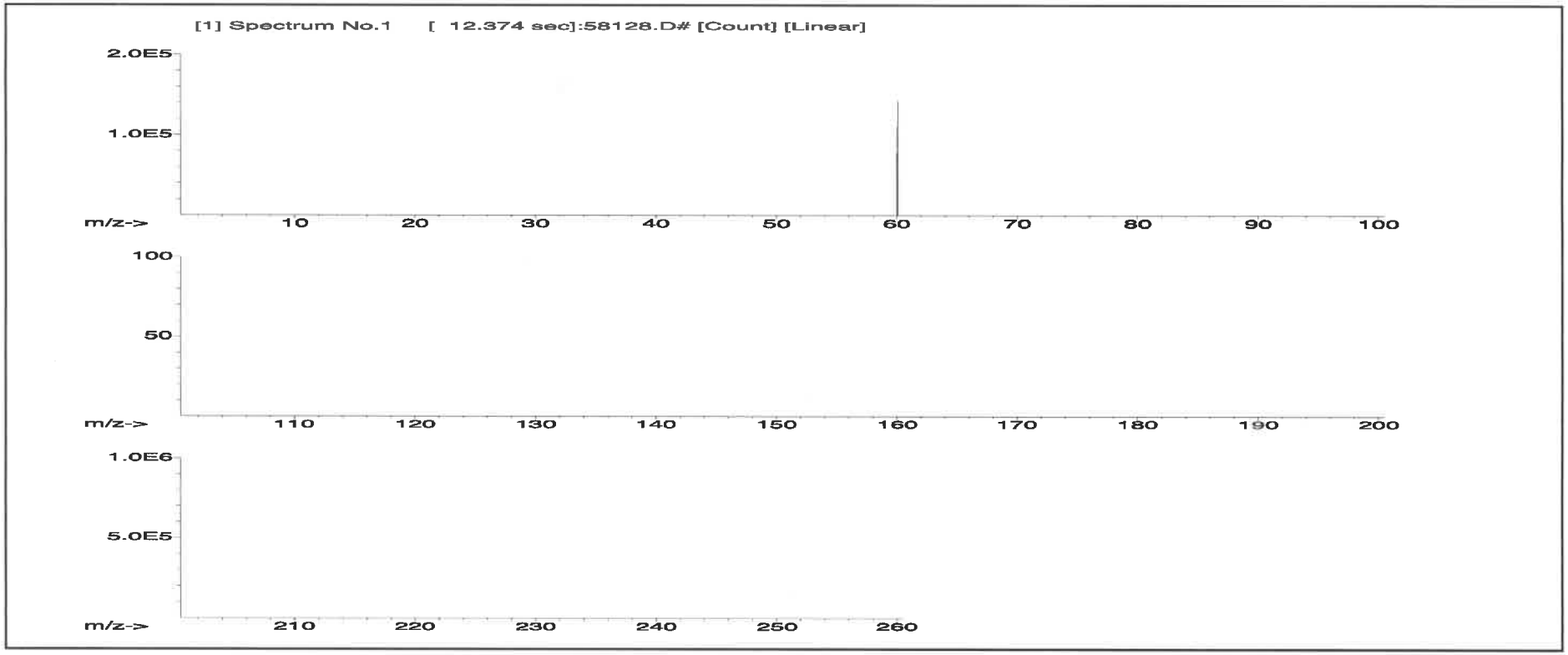
995

CERTIFIED WEIGHT REPORT:

			Lot #	
Part Number:	**57028**	**Solvent:**	24002546	Nitric Acid
Lot Number:	**041124**			
Description:	**Nickel (Ni)**			
		2%	5.0 (mL)	Nitric Acid
Expiration Date:	041127			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Weight shown below was diluted to (mL):	249.85	0.002	Flask Uncertainty	

Formulated By:	Brian Geddes	041124
Reviewed By:	Pedro L. Rentas	041124

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Nickel(II) nitrate hexahydrate (Ni)	IN033	NIM052023A1	1000	99.999	0.10	20.2	1.2369	1.2369	**1000.0**	**2.0**	13478-00-7	1 mg/m3	orl-rat 1620 mg/kg	3136



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	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.
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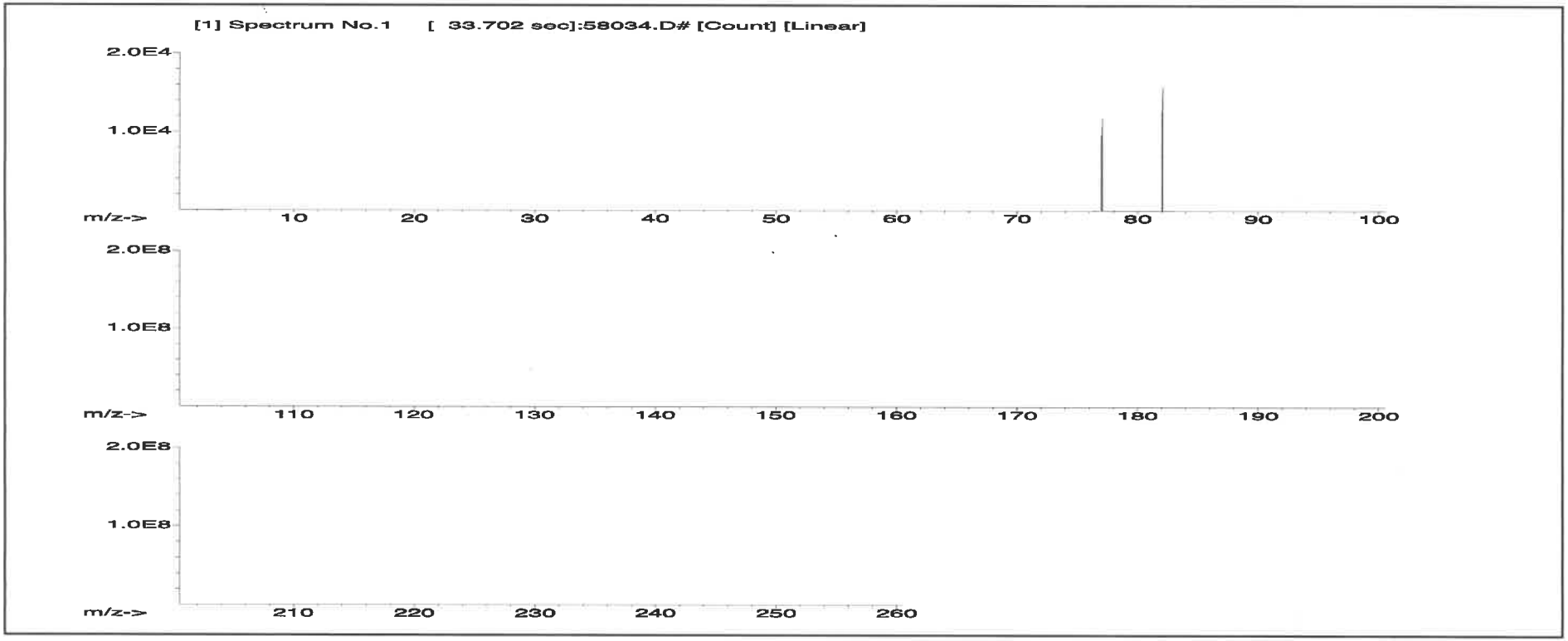
667

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



898

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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* 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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info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Single Analyte Custom Grade Solution
Catalog Number:	CGMO1
Lot Number:	T2-MO720876
Matrix:	H2O tr. NH4OH
Value / Analyte(s):	1 000 µg/mL ea: Molybdenum
Starting Material:	Ammonium Molybdate
Starting Material Lot#:	2361
Starting Material Purity:	99.9893%

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 998 ± 7 µg/mL

Density: 1.000 g/mL (measured at 20 ± 4 °C)

Assay Information:

Assay Method #1 **998 ± 4 µg/mL**
ICP Assay NIST SRM 3134 Lot Number: 130418

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance.

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

669

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



M5978, M5979

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Certificate of Analysis

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inorganicventures.com

R: 2/22/24

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F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Single Analyte Custom Grade Solution
Catalog Number:	CGTI1
Lot Number:	T2-TI719972
Matrix:	2% (v/v) HNO3 tr. HF
Value / Analyte(s):	1 000 µg/mL ea: Titanium
Starting Material:	Ti Metal
Starting Material Lot#:	2094
Starting Material Purity:	99.9975%

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 1002 ± 5 µg/mL

Density: 1.012 g/mL (measured at 20 ± 4 °C)

Assay Information:

Assay Method #1 **1002 ± 4 µg/mL**
ICP Assay NIST SRM 3162a Lot Number: 130925

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$
w_i = the weighting factors for each method calculated using the inverse square of the variance

$w_i = (1/u_{char\ i}^2) / (\Sigma(1/u_{char\ i}^2))$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\ (u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = (\Sigma(w_i)^2\ (u_{char\ i})^2)^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\ (u_{char\ a})$

X_a = mean of Assay Method A with
$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\ (u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

M	Ag	<	0.000536	M	Eu	<	0.000268	O	Na	<	0.032670	M	Se		0.001204	O	Zn	<	0.003267
O	Al		0.000872	O	Fe		0.003225	O	Nb	<	0.043560	O	Si		0.004735	O	Zr	<	0.043560
M	As	<	0.008586	M	Ga	<	0.000268	M	Nd	<	0.000268	M	Sm	<	0.000268				
M	Au	<	0.004577	M	Gd	<	0.000268	O	Ni	<	0.010890	M	Sn		0.000096				
O	B	<	0.008929	M	Ge	<	0.002146	M	Os	<	0.000269	O	Sr		0.000096				
M	Ba	<	0.002683	M	Hf		0.002161	O	P	<	0.054450	M	Ta		0.010560				
M	Be	<	0.005366	M	Hg	<	0.003231	M	Pb	<	0.001073	M	Tb	<	0.000268				
M	Bi	<	0.001609	M	Ho	<	0.000268	M	Pd	<	0.000268	M	Te	<	0.001341				
O	Ca		0.000676	M	In	<	0.002683	M	Pr	<	0.000268	M	Th	<	0.053663				
M	Cd	<	0.000268	M	Ir	<	0.000269	M	Pt	<	0.000536	s	Ti	<					
M	Ce	<	0.000268	M	K		0.001172	M	Rb	<	0.000268	M	Tl	<	0.000268				
M	Co	<	0.004293	M	La	<	0.000268	M	Re	<	0.000268	M	Tm	<	0.000268				
M	Cr		0.000752	O	Li	<	0.027225	M	Rh	<	0.000268	M	U	<	0.000268				
M	Cs	<	0.000268	M	Lu	<	0.000268	M	Ru	<	0.000269	M	V	<	0.019855				
O	Cu	<	0.010890	O	Mg	<	0.005445	i	S	<		M	W		0.000473				
M	Dy	<	0.000268	O	Mn	<	0.003267	M	Sb	<	0.006976	M	Y	<	0.002146				
M	Er	<	0.000268	M	Mo		0.000774	O	Sc	<	0.004900	M	Yb	<	0.000536				

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference
n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 47.87 +4 6 Ti(F)6-2

Chemical Compatibility - Soluble in concentrated HCl, HF, H3PO4 H2SO4 and HNO3. Avoid neutral to basic media. Unstable at ppm levels with metals that would pull F- away (i.e. Do not mix with Alkaline or Rare Earths or high levels of transition elements unless they are fluorinated). Stable with most inorganic anions with a tendency to hydrolyze forming the hydrated oxide in all dilute acids except HF.

Stability - 2-100 ppb levels stable (Alone or mixed with all other metals) as the Ti(F)6-2 for months in 1% HNO3 / LDPE container. 1-10,000 ppm single element solutions as the Ti(F)6-2 chemically stable for years in 2-5% HNO3 / trace HF in an LDPE container.

Ti Containing Samples (Preparation and Solution) - Metal (Soluble in H2O / HF caution -powder reacts violently); Oxide - low temperature history anatase or rutile (Dissolved by heating in 1:1:1 H2O / HF / H2SO4); Oxide - high temperature history (~800EC) brookite (fuse in Pt0 with K2S2O7); Ores (fuse in Pt0 with KF + K2S2O7 - no KF if silica not present); Organic Matrices (Dry ash at 450EC in Pt0 and dissolve by heating with 1:1:1 H2O / HF / H2SO4 or fuse ash with pyrosulfate if oxide is as plastic pigment and likely in brookite crystalline form).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	Estimated D.L.	Order	Interferences (underlined indicates severe)
ICP-MS 48 amu	14 ppt	N/A	32S16O, 32S14N, 14N16O18O, 14N17N2, 36Ar12C, 48Ca, [96X=2 (where X = Zr, Mo, Ru)]
ICP-OES 323.452 nm	0.0054 / 0.00092 µg/mL	1	Ce, Ar, Ni
ICP-OES 334.941 nm	0.0038 / 0.000028 µg/mL	1	Nb, Ta, Cr, U
ICP-OES 336.121 nm	0.0053 / 0.000034 µg/mL	1	W, Mo, Co

HF Note: This standard should not be prepared or stored in glass.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

June 17, 2022

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- June 17, 2027

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

Absolute Standards, Inc.
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Certified Reference Material CRM

H5981 R:6/11/24

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AR-1539 Certificate Number
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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	

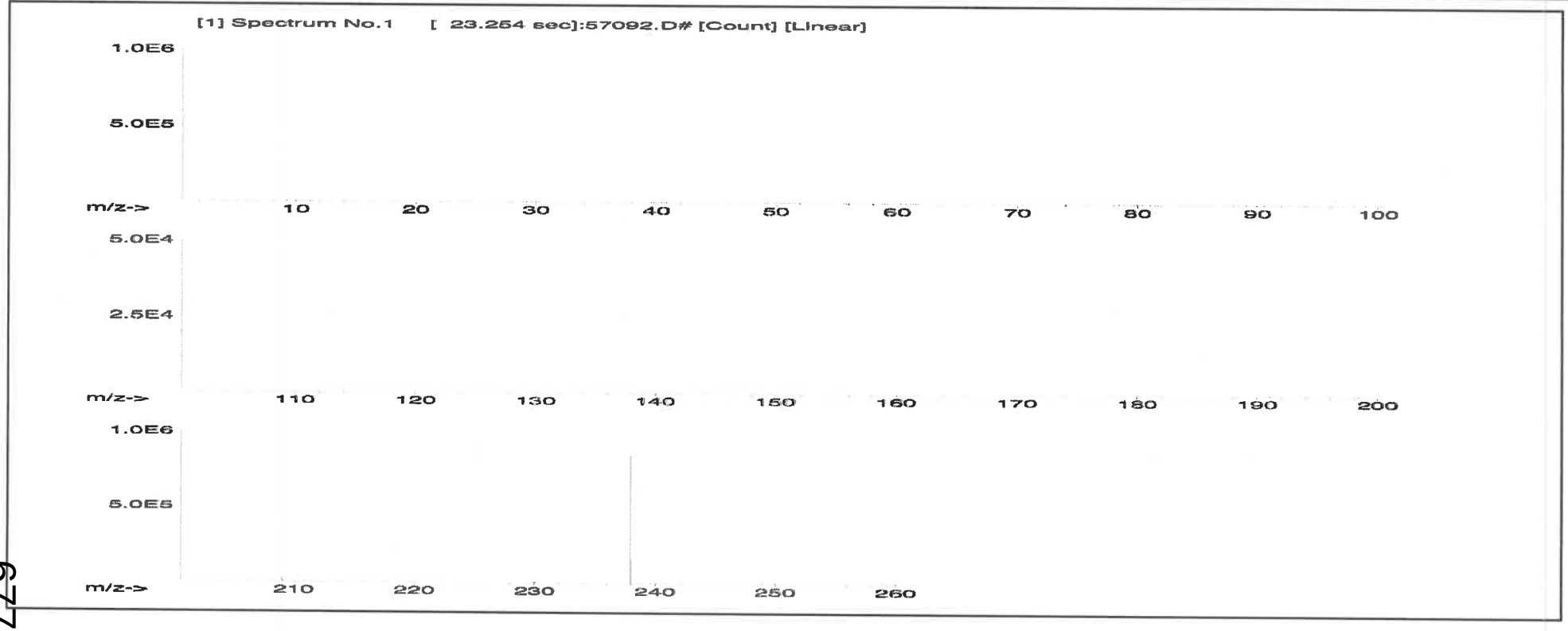
Giovanni Esposito

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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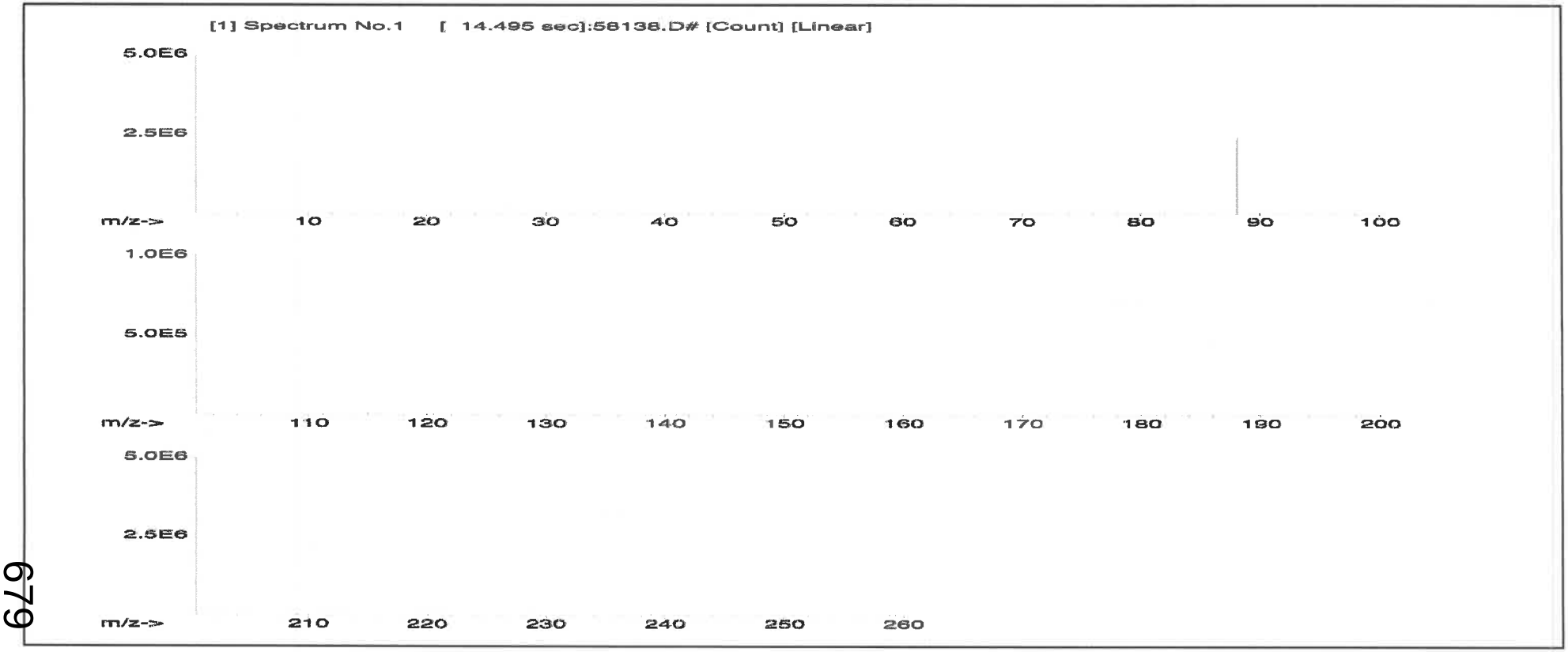
45982 R: 6/11/24

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

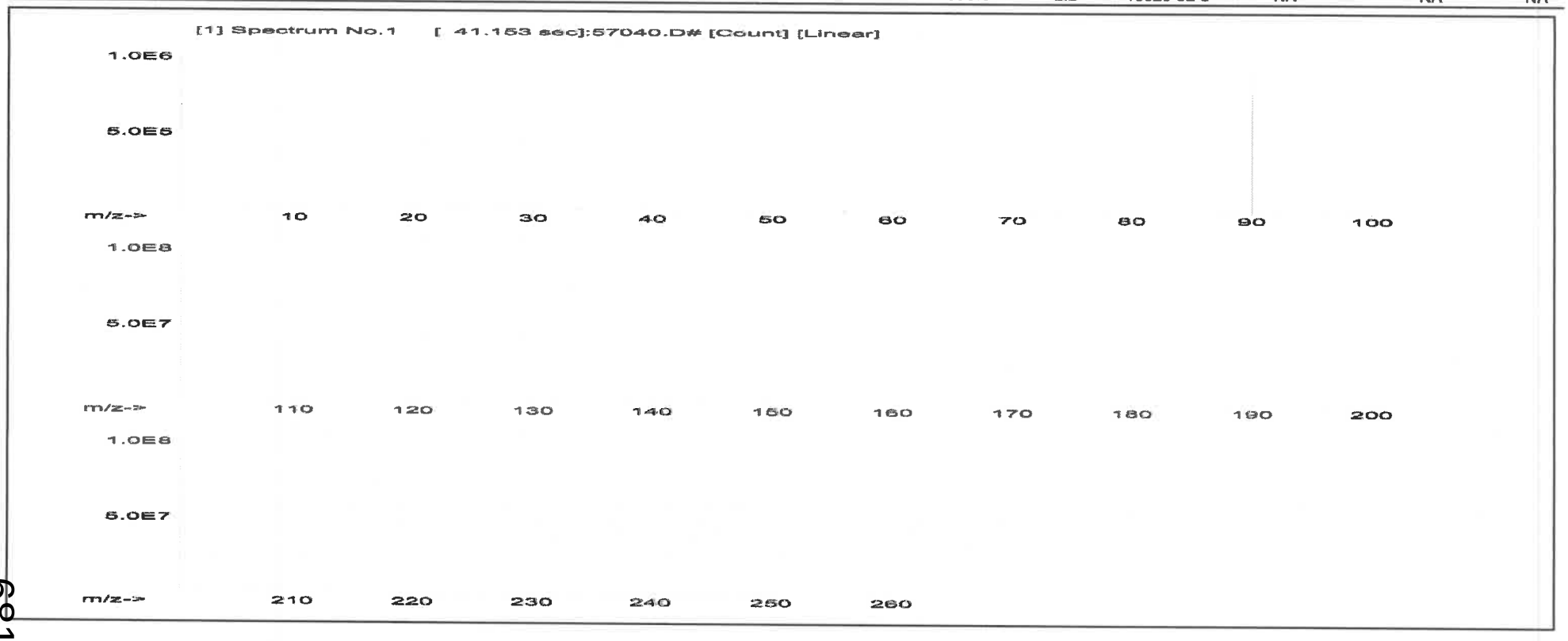
ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:	
Part Number:	**57040**	21110221	Nitric Acid	
Lot Number:	**071423**			
Description:	**Zirconium (Zr)**			
		2.0%	40.0 (mL)	Nitric Acid
Expiration Date:	071426			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Volume shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty	

Formulated By:	Benson Chan	071423
Reviewed By:	Pedro L. Rentas	071423

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Zirconyl chloride octahydrate (Zr)	58140	070621	0.1000	200.0	0.084	1000	10000.3	**1000.0**	**2.2**	13520-92-8	NA	NA	NA



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	T

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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INORGANIC VENTURES™
Refine your results. Redefine your industry.

Certificate of Analysis

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

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M5999

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	CLPP-SPK-1
Lot Number:	T2-MEB721963
Matrix:	7% (v/v) HNO3
Value / Analyte(s):	2 000 µg/mL ea: Aluminum, Barium, 1 000 µg/mL ea: Iron, 500 µg/mL ea: Manganese, Nickel, Vanadium, Zinc, Cobalt, 250 µg/mL ea: Copper, 200 µg/mL ea: Chromium, 50 µg/mL ea: Beryllium, Silver

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Aluminum, Al	2 000 ± 7 µg/mL	Barium, Ba	2 000 ± 9 µg/mL
Beryllium, Be	50.00 ± 0.26 µg/mL	Chromium, Cr	200.0 ± 1.1 µg/mL
Cobalt, Co	500.0 ± 2.4 µg/mL	Copper, Cu	250.0 ± 1.0 µg/mL
Iron, Fe	1 000 ± 4 µg/mL	Manganese, Mn	500.0 ± 2.0 µg/mL
Nickel, Ni	500.0 ± 2.2 µg/mL	Silver, Ag	50.00 ± 0.22 µg/mL
Vanadium, V	500.0 ± 2.2 µg/mL	Zinc, Zn	500.0 ± 2.2 µg/mL

Density: 1.070 g/mL (measured at 20 ± 4 °C)

Assay Information:

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ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	160729
Ag	Volhard	999c	999c
Ag	Calculated		See Sec. 4.2
Al	ICP Assay	3101a	140903
Al	EDTA	928	928
Ba	ICP Assay	3104a	140909
Ba	Gravimetric		See Sec. 4.2
Be	ICP Assay	3105a	090514
Be	Calculated		See Sec. 4.2
Co	ICP Assay	3113	190630
Co	EDTA	928	928
Cr	ICP Assay	3112a	170630
Cu	ICP Assay	3114	121207
Cu	EDTA	928	928
Fe	ICP Assay	3126a	140812
Fe	EDTA	928	928
Mn	ICP Assay	3132	050429
Mn	EDTA	928	928
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
V	IC Assay	3165	160906
V	EDTA	928	928
Zn	ICP Assay	3168a	120629
Zn	EDTA	928	928

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)\,(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Note: This solution contains Silver (Ag), please refer to our Sample Preparation Guide for more information.

https://www.inorganicventures.com/sample-preparation-guide/samples-containing-silver

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

July 27, 2022

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- July 27, 2027

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

R: 01/03/24 M6033

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number:	**58113**		**Solvent:**	Lot # 20510011	Nitric Acid
Lot Number:	**011623**				
Description:	**Aluminum (Al)**				
			2%	40.0 (mL)	Nitric Acid
Expiration Date:	011626				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**10000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty		

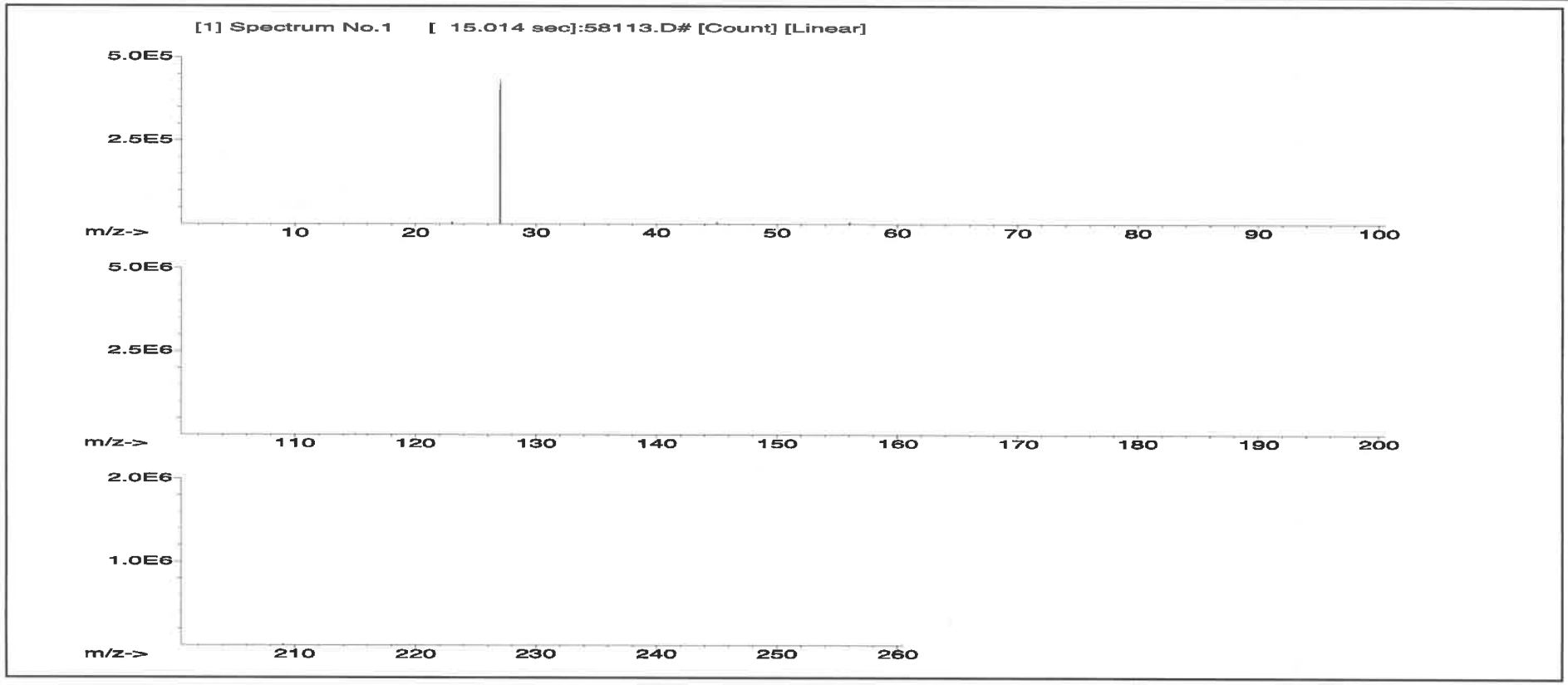
Giovanni Esposito

Formulated By:	Giovanni Esposito	011623

Pedro Rentas

Reviewed By:	Pedro L. Rentas	011623

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Aluminum nitrate nonahydrate (Al)	IN022	ALM112021A1	10000	99.999	0.10	7.30	273.9779	274.0078	**10001.1**	**20.0**	7784-27-2	2 mg/m3	orl-rat 3671 mg/kg	3101a



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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Certificate of Analysis

R 18/19/24, 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



Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

M6094
M6095.

metdig
10/21/24.

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

Nitric Acid 69%
CMOS

M6112
M6113
M6114
M6115
M6116
M6117

Receive:
9/29/24
Met dig

avantor™ | J.T.Baker®

Material No.: 9606-03
Batch No.: 24B1362001
Manufactured Date: 2024-01-25
Retest Date: 2029-01-23
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (HNO_3)	69.0 - 70.0 %	69.6 %
Appearance	Passes Test	Passes Test
Color (APHA)	≤ 10	5
Residue after Ignition	≤ 2 ppm	< 1 ppm
Chloride (Cl)	≤ 0.08 ppm	< 0.03 ppm
Phosphate (PO_4)	≤ 0.10 ppm	< 0.03 ppm
Sulfate (SO_4)	≤ 0.2 ppm	< 0.2 ppm
Trace Impurities - Aluminum (Al)	≤ 40.0 ppb	< 1.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 2.0 ppb
Trace Impurities - Barium (Ba)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Beryllium (Be)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Bismuth (Bi)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities - Boron (B)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities - Cadmium (Cd)	≤ 50 ppb	< 1 ppb
Trace Impurities - Calcium (Ca)	≤ 50.0 ppb	< 0.2 ppb
Trace Impurities - Chromium (Cr)	≤ 30.0 ppb	< 1.0 ppb
Trace Impurities - Cobalt (Co)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Copper (Cu)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Gallium (Ga)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Germanium (Ge)	≤ 20 ppb	< 10 ppb
Trace Impurities - Gold (Au)	≤ 20 ppb	< 5 ppb
Heavy Metals (as Pb)	≤ 100 ppb	< 50 ppb
Trace Impurities - Iron (Fe)	≤ 40.0 ppb	< 1.0 ppb
Trace Impurities - Lead (Pb)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities - Lithium (Li)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Magnesium (Mg)	≤ 20 ppb	< 1 ppb
Trace Impurities - Manganese (Mn)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Nickel (Ni)	≤ 20.0 ppb	< 5.0 ppb

>>> Continued on page 2 >>>

Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

Material No.: 9606-03
Batch No.: 24B1362001

Test	Specification	Result
Trace Impurities – Niobium (Nb)	≤ 50.0 ppb	< 1.0 ppb
Trace Impurities – Potassium (K)	≤ 50 ppb	< 10 ppb
Trace Impurities – Silicon (Si)	≤ 50 ppb	< 10 ppb
Trace Impurities – Silver (Ag)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Sodium (Na)	≤ 150.0 ppb	< 5.0 ppb
Trace Impurities – Strontium (Sr)	≤ 30.0 ppb	< 1.0 ppb
Trace Impurities – Tantalum (Ta)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Thallium (Tl)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Tin (Sn)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Titanium (Ti)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Vanadium (V)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Zinc (Zn)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Zirconium (Zr)	≤ 10.0 ppb	< 1.0 ppb
Particle Count – 0.5 µm and greater	≤ 60 par/ml	3 par/ml
Particle Count – 1.0 µm and greater	≤ 10 par/ml	1 par/ml

>>> Continued on page 3 >>>

Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

Material No.: 9606-03
Batch No.: 24B1362001

Test	Specification	Result

For Microelectronic Use

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Ken Koehnlein
Sr. Manager, Quality Assurance

Nitric Acid 69%
CMOS

M6112
M6113
M6114
M6115
M6116
M6117

Receive:
9/29/24
Met dig

avantor™ | J.T.Baker®

Material No.: 9606-03
Batch No.: 24B1362001
Manufactured Date: 2024-01-25
Retest Date: 2029-01-23
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (HNO_3)	69.0 - 70.0 %	69.6 %
Appearance	Passes Test	Passes Test
Color (APHA)	≤ 10	5
Residue after Ignition	≤ 2 ppm	< 1 ppm
Chloride (Cl)	≤ 0.08 ppm	< 0.03 ppm
Phosphate (PO_4)	≤ 0.10 ppm	< 0.03 ppm
Sulfate (SO_4)	≤ 0.2 ppm	< 0.2 ppm
Trace Impurities - Aluminum (Al)	≤ 40.0 ppb	< 1.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 2.0 ppb
Trace Impurities - Barium (Ba)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Beryllium (Be)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Bismuth (Bi)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities - Boron (B)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities - Cadmium (Cd)	≤ 50 ppb	< 1 ppb
Trace Impurities - Calcium (Ca)	≤ 50.0 ppb	< 0.2 ppb
Trace Impurities - Chromium (Cr)	≤ 30.0 ppb	< 1.0 ppb
Trace Impurities - Cobalt (Co)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Copper (Cu)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Gallium (Ga)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Germanium (Ge)	≤ 20 ppb	< 10 ppb
Trace Impurities - Gold (Au)	≤ 20 ppb	< 5 ppb
Heavy Metals (as Pb)	≤ 100 ppb	< 50 ppb
Trace Impurities - Iron (Fe)	≤ 40.0 ppb	< 1.0 ppb
Trace Impurities - Lead (Pb)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities - Lithium (Li)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Magnesium (Mg)	≤ 20 ppb	< 1 ppb
Trace Impurities - Manganese (Mn)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Nickel (Ni)	≤ 20.0 ppb	< 5.0 ppb

>>> Continued on page 2 >>>

Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

Material No.: 9606-03
Batch No.: 24B1362001

Test	Specification	Result
Trace Impurities – Niobium (Nb)	≤ 50.0 ppb	< 1.0 ppb
Trace Impurities – Potassium (K)	≤ 50 ppb	< 10 ppb
Trace Impurities – Silicon (Si)	≤ 50 ppb	< 10 ppb
Trace Impurities – Silver (Ag)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Sodium (Na)	≤ 150.0 ppb	< 5.0 ppb
Trace Impurities – Strontium (Sr)	≤ 30.0 ppb	< 1.0 ppb
Trace Impurities – Tantalum (Ta)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Thallium (Tl)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Tin (Sn)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Titanium (Ti)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Vanadium (V)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Zinc (Zn)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Zirconium (Zr)	≤ 10.0 ppb	< 1.0 ppb
Particle Count – 0.5 µm and greater	≤ 60 par/ml	3 par/ml
Particle Count – 1.0 µm and greater	≤ 10 par/ml	1 par/ml

>>> Continued on page 3 >>>

Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

Material No.: 9606-03
Batch No.: 24B1362001

Test	Specification	Result

For Microelectronic Use

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Ken Koehnlein
Sr. Manager, Quality Assurance

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

704

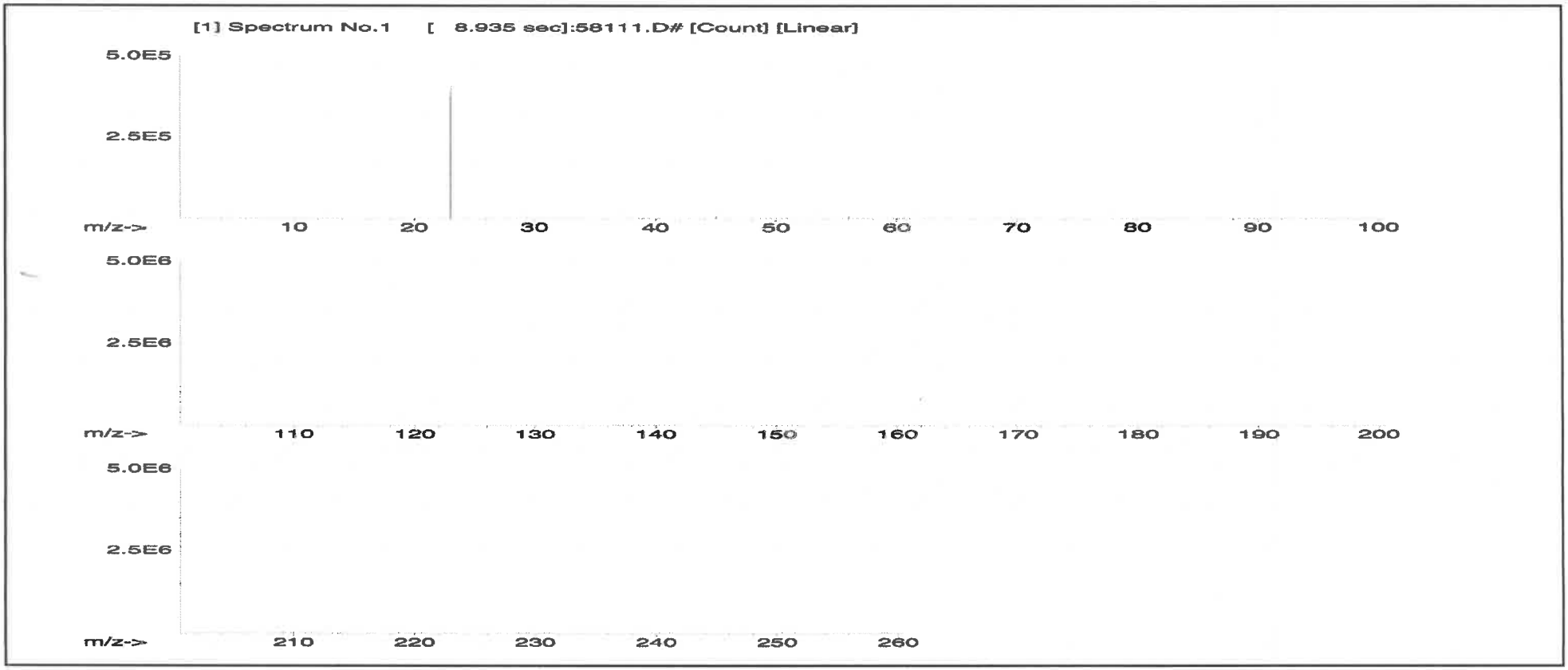
CERTIFIED WEIGHT REPORT:

			Lot #	
Part Number:	**58111**	**Solvent:**	24002546	Nitric Acid
Lot Number:	**122223**			
Description:	**Sodium (Na)**	2%	60.0 (mL)	Nitric Acid
Expiration Date:	122226			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**10000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Weight shown below was diluted to (mL):	3000.4	0.06	Flask Uncertainty	

Aleah O'Brady

Formulated By:	Aleah O'Brady	122223
Reviewed By:	Pedro L. Rentas	122223

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Sodium nitrate (Na)	IN036	NAV012015I1	10000	99.999	0.10	26.9	111.5406	111.5479	**10000.7**	**20.0**	7631-99-4	5 mg/m3	orl-rat 3430 mg/kg	3152a



705

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	T	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:



* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

INORGANIC VENTURES™

Refine your results. Redefine your industry.

A: 4/11/22

Certificate of Analysis

M5738, M5739, M5740, M5741, M5742, M5743

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	6020ISS
Lot Number:	S2-MEB709511
Matrix:	7% (v/v) HNO3
Value / Analyte(s):	10 µg/mL ea:

Bismuth, Holmium,
Indium, 6-Lithium,
Rhodium, Scandium,
Terbium, Yttrium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
6-Lithium, Li6	10.00 ± 0.03 µg/mL	Bismuth, Bi	10.00 ± 0.05 µg/mL
Holmium, Ho	10.00 ± 0.05 µg/mL	Indium, In	10.00 ± 0.04 µg/mL
Rhodium, Rh	10.00 ± 0.07 µg/mL	Scandium, Sc	10.00 ± 0.04 µg/mL
Terbium, Tb	10.00 ± 0.04 µg/mL	Yttrium, Y	10.00 ± 0.04 µg/mL

Density: 1.035 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Bi	ICP Assay	3106	180815
Bi	Calculated		See Sec. 4.2
Ho	ICP Assay	3123a	090408
Ho	EDTA	928	928
In	ICP Assay	3124a	110516
In	EDTA	928	928
In	Calculated		See Sec. 4.2
Li6	Gravimetric		See Sec. 4.2
Rh	ICP Assay	3144	070619
Sc	ICP Assay	3148a	100701
Sc	EDTA	928	928
Tb	ICP Assay	3157a	100518
Tb	EDTA	928	928
Tb	Calculated		See Sec. 4.2
Y	ICP Assay	3167a	120314
Y	EDTA	928	928
Y	Calculated		See Sec. 4.2

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2 (u_{char\ i})^2)]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Certified Abundance:

IV's Certified Abundance

Isotope	Atom %
Lithium Li6	95.6 ± 0.3
Lithium Li7	4.4 ± 0.1

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

September 03, 2021

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- September 03, 2026

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Michael Booth
Director, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



QATS LABORATORY INORGANIC REFERENCE MATERIAL INTERFERENCE CHECK SAMPLE SET FOR ICP-MS (ICSA WITH ICSB)

NOTE: These instructions are for advisory purposes only. If any apparent conflict exists between these instructions and the analytical protocol or your contract, disregard these instructions.

APPLICATION: For use with the CLP SFAM01.0 SOW and revisions.

CAUTION: Read instructions carefully before opening bottle(s) and proceeding with the analyses.

Contains Heavy Metals
HAZARDOUS MATERIAL

Safety Data Sheets
Available Upon Request

(A) *SAMPLE DESCRIPTION*

Enclosed is a set of one (1) or more bottles of an Aqueous Reference Material, each composed of metals at various concentrations and prepared with nitrate salts and oxy-acids of the respective elements in a 5% nitric acid matrix**. For the reference material source in reporting ICSA and ICSAB mixture use "USEPA". For the reference material lot number for the ICSA use "ICSA-0803" and for the ICSAB mixture use "ICSA-0803+ICSB-0803".**

CAUTION: The bottle(s) should be protected from light during storage to ensure the stability of silver which is contained in the ICSB solution. The bottle(s) should be stored at room temperature. **Do not allow the solution(s) to freeze.**

(B) *BREAKAGE OR MISSING ITEMS*

Check the contents of the shipment carefully for any broken, leaking, or missing items. Check that the seal is intact on each bottle. Refer to the enclosed chain of custody record. Report any problems to the Contracting Officer, Ross Miller at miller.ross@epa.gov. If directed by Ross Miller, return the chain of custody record with appropriate annotations and signatures to the address provided below.

QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY
APTIM Federal Services, LLC
2700 Chandler Avenue - Building C
Las Vegas, NV 89120

(C) *ANALYSIS OF SAMPLES*

This interference check sample set is to be used to verify elemental isobaric correction factors of inductively coupled plasma-mass spectrometers (ICP-MS). This reference material set consists of two (2) concentrated solutions. The ICSA solution contains several interferent elements and species; for a complete listing refer to the CLP SOW. The ICSB solution contains the analytes: Ag, As, Sb, Ba, Be, Cd, Co, Cr, Cu, Mn, Ni, Pb, Tl, Se, V, and Zn. This instruction sheet provides the nominal values for the ICP-MS ICS Part A and Part B target analytes when diluted as directed.

Using Class "A" glassware, preparation and analysis must be performed according to the following instructions:

ICSA-0803, Inferferents: Pipet 10 mL of the ICSA solution into a 100 mL volumetric flask and dilute to volume with 1% v/v HNO_3. Analyze this solution by ICP-MS.

ICSB-0803, Analytes, mixed with ICSA-0803, Interferents: Pipet 10 mL of the ICSA solution and 10 mL of the ICSB solution into a 100 mL volumetric flask and dilute to volume with 1% v/v HNO_3. Analyze this ICSAB solution by ICP-MS.

(D) *"CERTIFIED VALUE" CONCENTRATIONS OF QATS ICP-MS ICS SOLUTION(S)*

The "Certified Value" concentrations of the elements, listed in Table 1 below, were derived from statistically pooled analysis results from the following sources, if available: QATS Laboratory, CLP laboratories, Quarterly Blind (QB)/Proficiency Testing (PT) events, CLP pre-award events, and external referee laboratories.

Table 1. "CERTIFIED VALUES" FOR INTERFERENCE CHECK SAMPLE ICP-MS ICSA-0803, AND ICSA-0803 MIXED WITH ICSB-0803

ICSA: M5873

ICSB: M5874

Element	CRQL	Part A (µg/L)	Lower Limit (µg/L)	Upper Limit (µg/L)	Part A +Part B (µg/L)	Lower Limit (µg/L)	Upper Limit (µg/L)
Al	20.0	[100000]			[100000]		
Sb	2.0	(1.5)	-2.5	5.5	(22.0)	18.0	26.0
As	1.0	(0.1)	-1.9	2.1	19.0	16.2	21.9
Ba	10.0	(1.2)	-18.8	21.2	(22.0)	2.0	42.0
Be	1.0	(0)	-2.0	2.0	19.0	16.2	21.9
Cd	1.0	(0.7)	-1.3	2.7	20.0	17.0	23.0
Ca	500	[100000]			[100000]		
C		[200000]			[200000]		
Cl		[1000000]			[1000000]		
Cr	2.0	(21.0)	17.0	25.0	40.0	34.0	46.0
Co	1.0	(1.0)	-1.0	3.0	20.0	17.0	23.0
Cu	2.0	(8.0)	4.0	12.0	(25.0)	21.0	29.0
Fe	200	[100000]			[100000]		
Pb	1.0	(4.0)	2.0	6.0	25.0	21.3	28.8
Mg	500	[100000]			[100000]		
Mn	1.0	(7.0)	5.0	9.0	27.0	23.0	31.1
Mo		[2000]			[2000]		
Ni	1.0	(6.0)	4.0	8.0	24.0	20.4	27.6
P		[100000]			[100000]		
K	500	[100000]			[100000]		
Se	5.0	(0.3)	-9.7	10.3	(19.0)	9.0	29.0
Ag	1.0	(0)	-2.0	2.0	18.0	15.3	20.7
Na	500	[100000]			[100000]		
S		[100000]			[100000]		
Tl	1.0	(0)	-2.0	2.0	21.0	17.9	24.2
Ti		[2000]			[2000]		
V	5.0	(0.5)	-9.5	10.5	(19.0)	9.0	29.0
Zn	5.0	(11.0)	1.0	21.0	(29.0)	19.0	39.0

[ ] Indicates analytes that do not require ICP-MS determination in the ICS.
The acceptance ranges for all analytes in parentheses in the above table were determined using the listed certified value ± 2 times the associated CLP SOW CRQL. The acceptance ranges for all other analytes were determined using the certified value ± 15 percent of the listed certified value.

QATS LABORATORY INORGANIC REFERENCE MATERIAL INTERFERENCE CHECK SAMPLE SET FOR ICP-MS (ICSA WITH ICSB)

NOTE: These instructions are for advisory purposes only. If any apparent conflict exists between these instructions and the analytical protocol or your contract, disregard these instructions.

APPLICATION: For use with the CLP SFAM01.0 SOW and revisions.

CAUTION: Read instructions carefully before opening bottle(s) and proceeding with the analyses.

Contains Heavy Metals
HAZARDOUS MATERIAL

Safety Data Sheets
Available Upon Request

(A) *SAMPLE DESCRIPTION*

Enclosed is a set of one (1) or more bottles of an Aqueous Reference Material, each composed of metals at various concentrations and prepared with nitrate salts and oxy-acids of the respective elements in a 5% nitric acid matrix**. For the reference material source in reporting ICSA and ICSAB mixture use "USEPA". For the reference material lot number for the ICSA use "ICSA-0803" and for the ICSAB mixture use "ICSA-0803+ICSB-0803".**

CAUTION: The bottle(s) should be protected from light during storage to ensure the stability of silver which is contained in the ICSB solution. The bottle(s) should be stored at room temperature. **Do not allow the solution(s) to freeze.**

(B) *BREAKAGE OR MISSING ITEMS*

Check the contents of the shipment carefully for any broken, leaking, or missing items. Check that the seal is intact on each bottle. Refer to the enclosed chain of custody record. Report any problems to the Contracting Officer, Ross Miller at miller.ross@epa.gov. If directed by Ross Miller, return the chain of custody record with appropriate annotations and signatures to the address provided below.

QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY
APTIM Federal Services, LLC
2700 Chandler Avenue - Building C
Las Vegas, NV 89120

(C) *ANALYSIS OF SAMPLES*

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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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AR-1539 Certificate Number
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R: 01/03/24 M5802, M5803

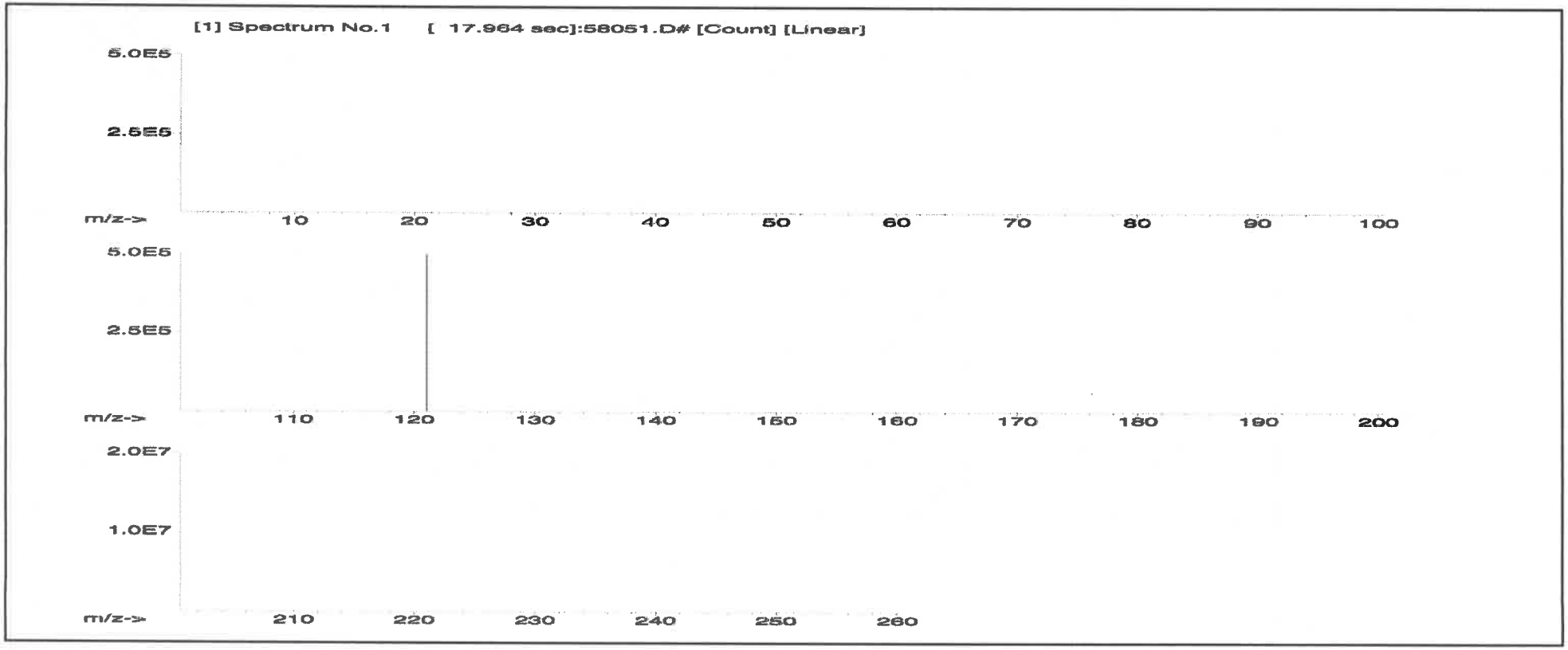
714

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



715

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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AR-1539 Certificate Number
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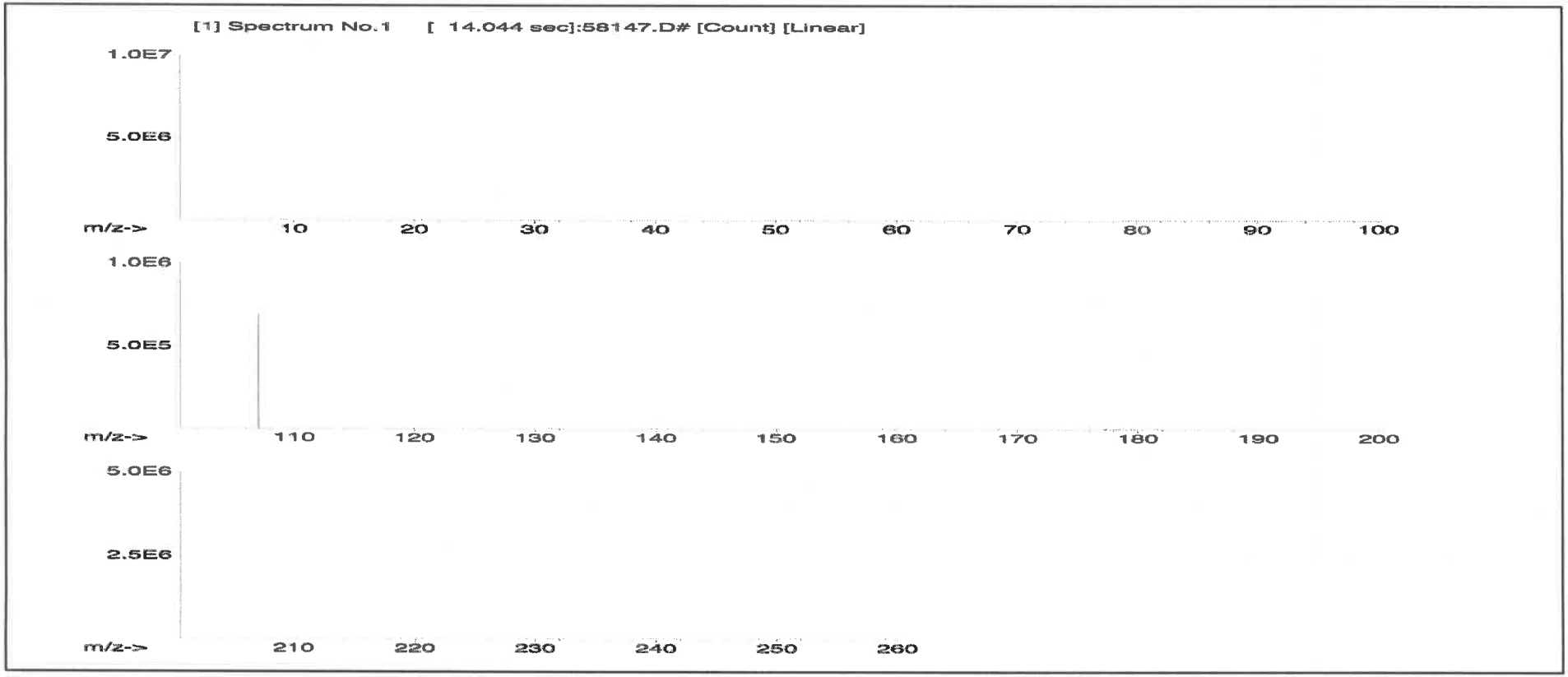
716

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



717

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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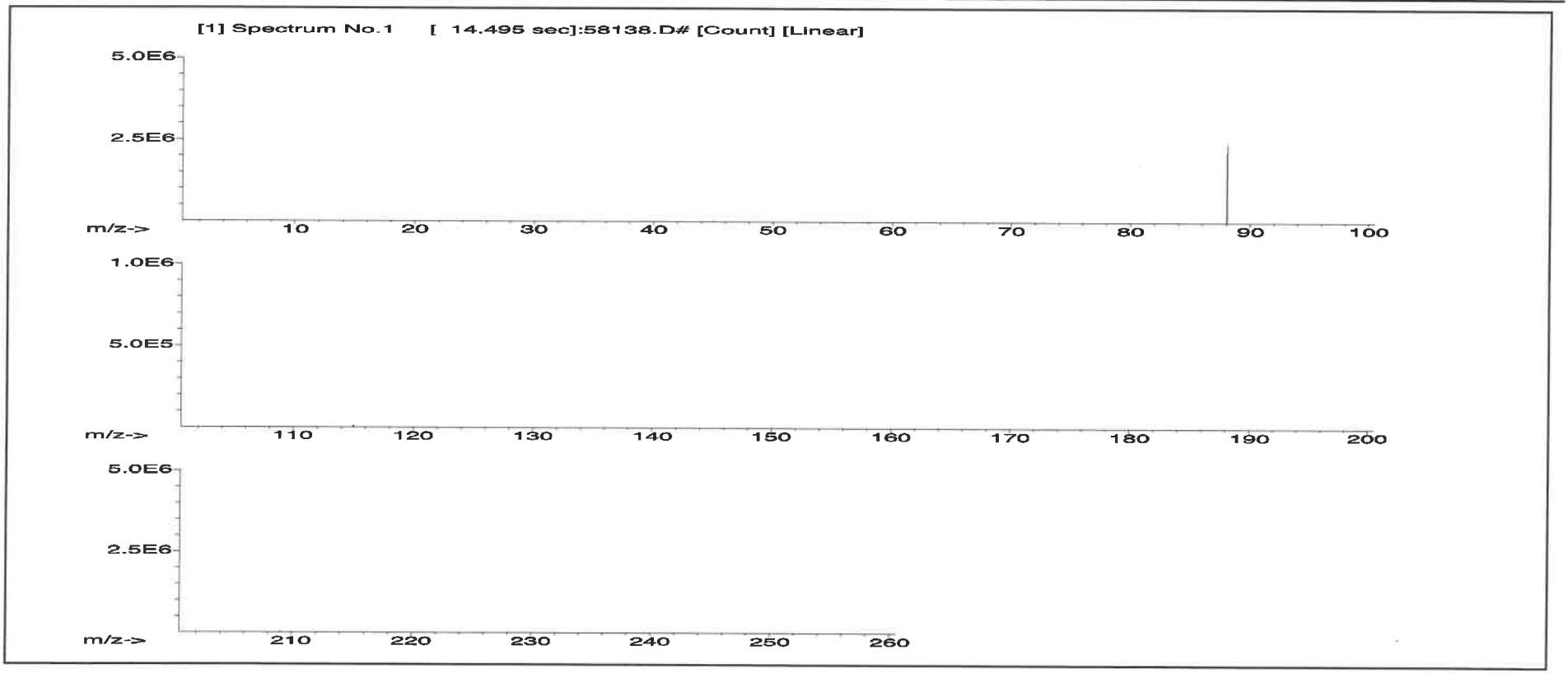
718

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



719

Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	T	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

R ! 8/5/24

M6023

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

720

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		

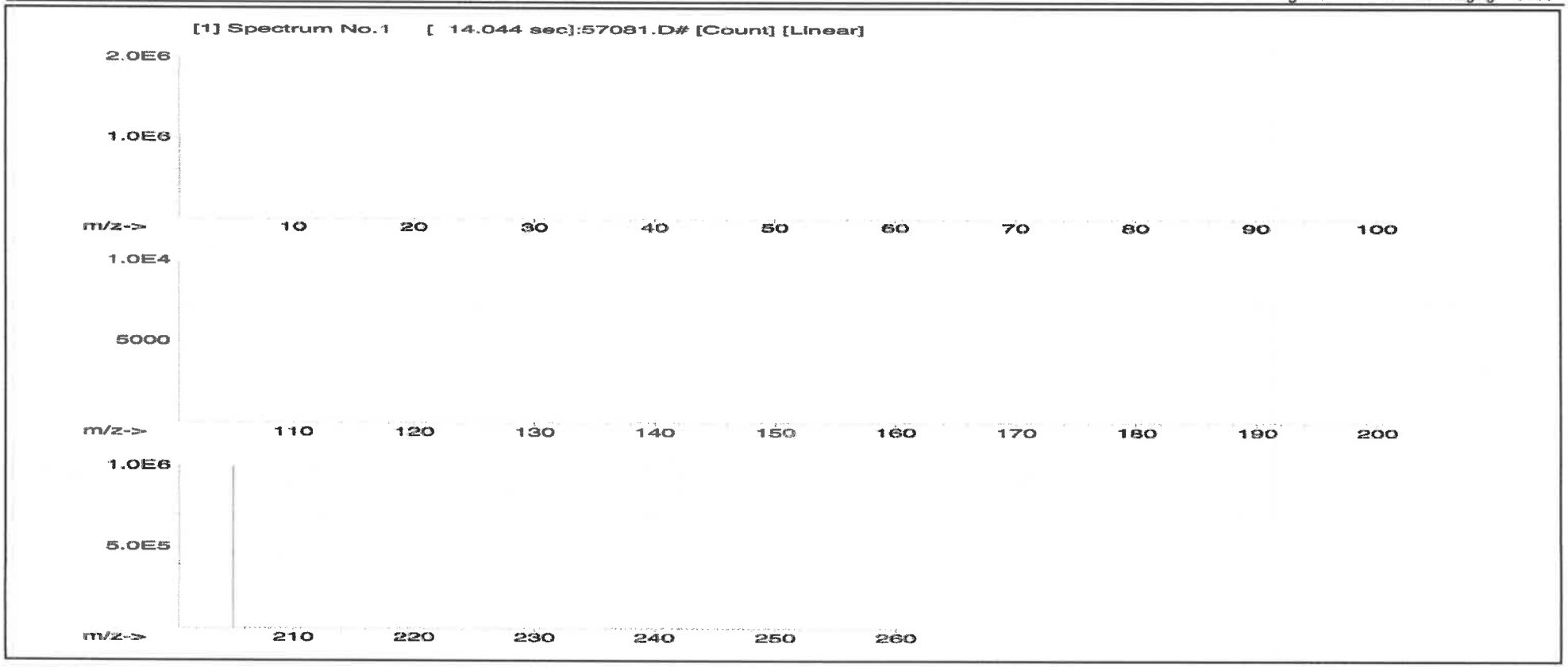
Aleah O'Brady

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



721

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	T	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:



* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
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Certified Reference Material CRM

M6021

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

Rc. 8/5/24

722

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	

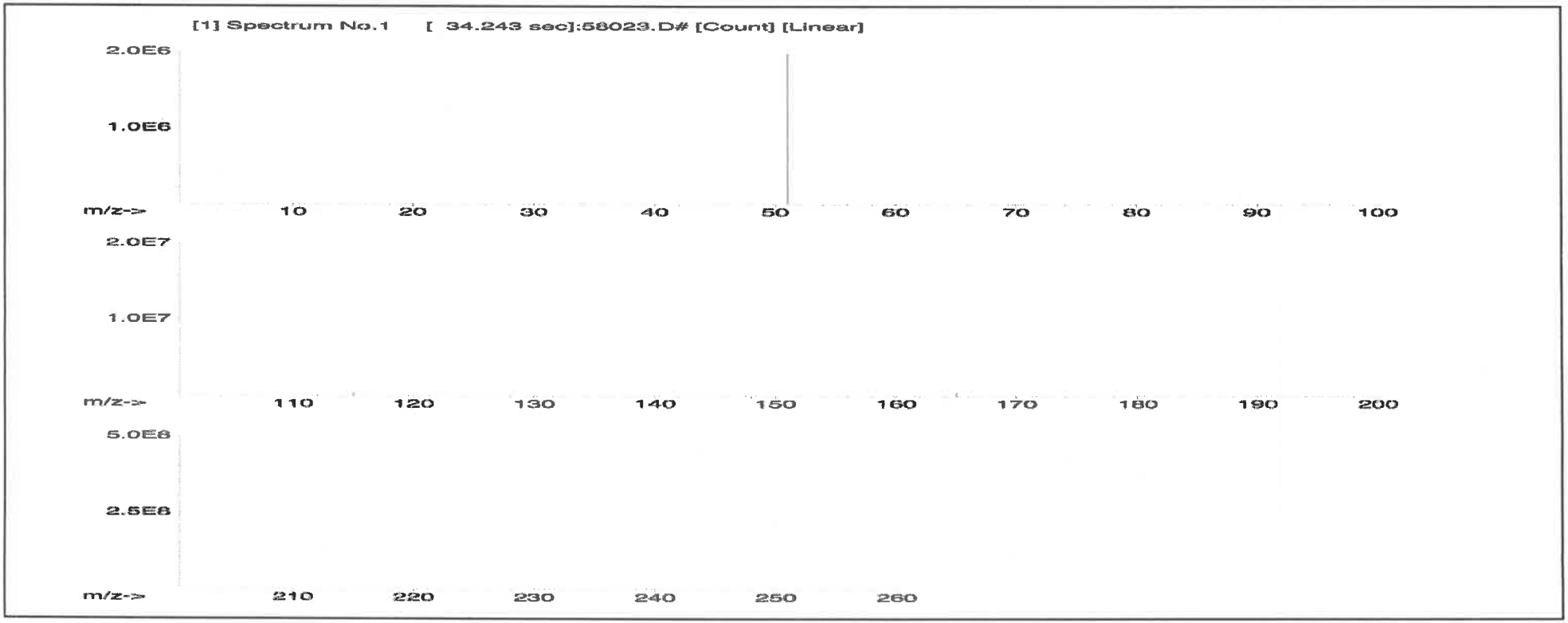
Aleah O'Brady

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



723

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	T
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
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Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB165205

SOP ID : M200.8-Trace Elements-22, MSFAM01.1-Metals ICPMS-2

SDG No : MH2GW5

Matrix : SOIL

Pippete ID: ICP A

Balance ID : M SC-2

Filter paper ID : N/A

pH Strip ID : N/A

Hood ID : #3

Block ID: 1. HOT BLOCK #2 2. N/A

Start Digest Date: 11/22/2024 **Time :** 15:30 **Temp :** 95 °C

End Digest Date: 11/22/2024 **Time :** 16:10 **Temp :** 95 °C

Digestion tube ID: M6054

Block thermometer ID: MET-DIG. #2

Dig Technician Signature: jepp

Supervisor Signature:

Temp : 1. 95°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
LCSS	1.00	MP83046
Spike Sol. B	1.00	MP83047
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
1:1 HNO3	4.00	MP83122
1:4 HCl Solution	10.00	MP82128
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

HOT BLOCK #2 CELL #34 : 95 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/22/24 16:20	jepp Met dig	
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB165205

Lab Sample ID	Client Sample ID	pH	Initial Weight (g)	Final Vol (ml)	Color Before	Color After	Texture	Artifact	Comment	Prep Pos
P4955-01	MH2GW5	N/A	1.13	500	Light Gray	Pale Yellow	Medium	N/A	N/A	1
P4955-02	MH2GW6	N/A	1.11	500	Light Gray	Pale Yellow	Medium	N/A	N/A	2
P4955-03	MH2GW7	N/A	1.12	500	Light Gray	Pale Yellow	Medium	N/A	N/A	3
P4955-04	MH2GW8	N/A	1.12	500	Light Gray	Pale Yellow	Medium	N/A	N/A	4
P4955-05	MH2GW8D	N/A	1.16	500	Light Gray	Pale Yellow	Medium	N/A	N/A	5
P4955-06	MH2GW8S	N/A	1.12	500	Light Gray	Pale Yellow	Medium	N/A	MP83047	6
PB165205BL	PBS205	N/A	1.00	500	Colorless	Colorless	Fine	N/A	N/A	7
PB165205BS	LCS205	N/A	1.00	500	Colorless	Colorless	Fine	N/A	MP83046	8

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P7

Daily Analysis Runlog For Sequence/QCBatch ID # LB133687

Review By	Mohan Bera	Review On	12/3/2024 8:29:09 PM
Supervise By	Sarabjit Jaswal	Supervise On	12/3/2024 8:29:37 PM

STD. NAME	STD REF.#
ICAL Standard	MP83014,MP83039,MP83038,MP83036,MP83034,MP83035,MP83033,MP83032,MP83016
ICV Standard	MP83041
CCV Standard	MP83042
ICSA Standard	MP83043,MP83044
CRI Standard	
LCS Standard	MP83045,MP83046
Chk Standard	MP83050,MP83049

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	TUNE	TUNE001	TUNE	11/27/24 15:12		Jaswal	OK
2	S00	S0	CAL1	11/27/24 16:10		Jaswal	OK
3	S02	S02	CAL3	11/27/24 16:16		Jaswal	OK
4	S03	S03	CAL4	11/27/24 16:20		Jaswal	OK
5	S04	S04	CAL5	11/27/24 16:23		Jaswal	OK
6	S05	S05	CAL6	11/27/24 16:25		Jaswal	OK
7	S06	S06	CAL7	11/27/24 16:28		Jaswal	OK
8	S07	S07	CAL8	11/27/24 16:31		Jaswal	OK
9	S08	S08	CAL9	11/27/24 16:34		Jaswal	OK
10	ICV001	ICV001	ICV	11/27/24 17:16	Inst. paused for calibration review	Jaswal	OK
11	ICB001	ICB001	ICB	11/27/24 17:26	Inst. paused for review	Jaswal	OK
12	ICSA001	ICSA001	ICSA	11/27/24 17:30		Jaswal	OK
13	ICSAB001	ICSAB001	ICSAB	11/27/24 17:33		Jaswal	OK
14	CCV001	CCV001	CCV	11/27/24 17:36		Jaswal	OK
15	CCB001	CCB001	CCB	11/27/24 17:38		Jaswal	OK
16	PB165206BL	PBS206	MB	11/27/24 17:42		Jaswal	OK
17	PB165206BS	LCS206	LCS	11/27/24 17:45		Jaswal	OK
18	PB165205BL	PBS205	MB	11/27/24 17:48		Jaswal	OK

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Supervise By	Sarabjit Jaswal	Supervise On	12/3/2024 8:29:37 PM

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CCV Standard	MP83042
ICSA Standard	MP83043,MP83044
CRI Standard	
LCS Standard	MP83045,MP83046
Chk Standard	MP83050,MP83049

19	PB165205BS	LCS205	LCS	11/27/24 17:51		Jaswal	OK
20	PB165214BL	PBS214	MB	11/27/24 17:55		Jaswal	OK
21	PB165214BS	LCS214	LCS	11/27/24 17:58		Jaswal	OK
22	PB165208BL	PBS208	MB	11/27/24 18:01		Jaswal	OK
23	PB165208BS	LCS208	LCS	11/27/24 18:04		Jaswal	OK
24	P4956-01	MH2GQ2	SAM	11/27/24 18:08		Jaswal	OK
25	P4956-02	MH2GQ2D	DUP	11/27/24 18:11		Jaswal	OK
26	P4956-01L	MH2GQ2L	SD	11/27/24 18:14		Jaswal	OK
27	P4956-03	MH2GQ2S	MS	11/27/24 18:17		Jaswal	OK
28	P4956-04	MH2GQ4	SAM	11/27/24 18:20		Jaswal	OK
29	P4956-05	MH2GQ5	SAM	11/27/24 18:23		Jaswal	OK
30	P4956-06	MH2GQ6	SAM	11/27/24 18:26		Jaswal	OK
31	P4956-07	MH2GQ7	SAM	11/27/24 18:29		Jaswal	OK
32	P4956-08	MH2GQ8	SAM	11/27/24 18:32		Jaswal	OK
33	P4956-09	MH2GQ9	SAM	11/27/24 18:35		Jaswal	OK
34	P4956-10	MH2GR0	SAM	11/27/24 18:38		Jaswal	OK
35	P4956-11	MH2GR1	SAM	11/27/24 18:41		Jaswal	OK
36	P4956-12	MH2GR2	SAM	11/27/24 18:44		Jaswal	OK
37	P4956-13	MH2GR3	SAM	11/27/24 18:47		Jaswal	OK
38	P4956-14	MH2GR4	SAM	11/27/24 18:50		Jaswal	OK

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Supervise By	Sarabjit Jaswal	Supervise On	12/3/2024 8:29:37 PM

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CCV Standard	MP83042
ICSA Standard	MP83043,MP83044
CRI Standard	
LCS Standard	MP83045,MP83046
Chk Standard	MP83050,MP83049

39	P4956-15	MH2GR5	SAM	11/27/24 18:53		Jaswal	OK
40	P4956-16	MH2GR6	SAM	11/27/24 18:56		Jaswal	OK
41	P4956-17	MH2GR7	SAM	11/27/24 18:59		Jaswal	OK
42	CCV002	CCV002	CCV	11/27/24 19:02		Jaswal	OK
43	CCB002	CCB002	CCB	11/27/24 19:05		Jaswal	OK
44	P4956-18	MH2GR8	SAM	11/27/24 19:08		Jaswal	OK
45	P4956-19	MH2GR9	SAM	11/27/24 19:11		Jaswal	OK
46	P4956-20	MH2GS0	SAM	11/27/24 19:14		Jaswal	OK
47	P4956-21	MH2GS1	SAM	11/27/24 19:17		Jaswal	OK
48	P4956-22	MH2GS2	SAM	11/27/24 19:20		Jaswal	OK
49	P4957-01	MH2GQ3	SAM	11/27/24 19:23		Jaswal	OK
50	P4957-02	MH2GQ3D	DUP	11/27/24 19:26		Jaswal	OK
51	P4957-01L	MH2GQ3L	SD	11/27/24 19:29		Jaswal	OK
52	P4957-03	MH2GQ3S	MS	11/27/24 19:32		Jaswal	OK
53	P4957-04	MH2GS3	SAM	11/27/24 19:35		Jaswal	OK
54	P4957-05	MH2GS4	SAM	11/27/24 19:38		Jaswal	OK
55	P4957-06	MH2GS5	SAM	11/27/24 19:41		Jaswal	OK
56	P4957-07	MH2GS6	SAM	11/27/24 19:44		Jaswal	OK
57	P4957-08	MH2GS7	SAM	11/27/24 19:47		Jaswal	OK
58	P4957-09	MH2GS8	SAM	11/27/24 19:50		Jaswal	OK

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ICSA Standard	MP83043,MP83044
CRI Standard	
LCS Standard	MP83045,MP83046
Chk Standard	MP83050,MP83049

59	P4957-10	MH2GS9	SAM	11/27/24 19:53		Jaswal	OK
60	P4957-11	MH2GT0	SAM	11/27/24 19:56		Jaswal	OK
61	P4957-12	MH2GT1	SAM	11/27/24 19:59		Jaswal	OK
62	P4957-15	MH2GT4	SAM	11/27/24 20:09		Jaswal	OK
63	P4957-16	MH2GT5	SAM	11/27/24 20:12		Jaswal	OK
64	P4957-13	MH2GT2	SAM	11/27/24 20:15		Jaswal	OK
65	P4957-14	MH2GT3	SAM	11/27/24 20:18		Jaswal	OK
66	P4955-01	MH2GW5	SAM	11/27/24 20:21		Jaswal	OK
67	P4955-02	MH2GW6	SAM	11/27/24 20:24		Jaswal	OK
68	P4955-03	MH2GW7	SAM	11/27/24 20:27		Jaswal	OK
69	P4955-04	MH2GW8	SAM	11/27/24 20:30		Jaswal	OK
70	CCV003	CCV003	CCV	11/27/24 20:33		Jaswal	OK
71	CCB003	CCB003	CCB	11/27/24 20:36		Jaswal	OK
72	P4955-05	MH2GW8D	DUP	11/27/24 20:39		Jaswal	OK
73	P4955-04L	MH2GW8L	SD	11/27/24 20:42		Jaswal	OK
74	P4955-06	MH2GW8S	MS	11/27/24 20:46		Jaswal	OK
75	P4902-01	E29Y8	SAM	11/27/24 20:49		Jaswal	OK
76	P4902-02	E2A12	SAM	11/27/24 20:52		Jaswal	OK
77	P4902-03	E2A12D	DUP	11/27/24 20:55		Jaswal	OK
78	P4902-02L	E2A12L	SD	11/27/24 20:58		Jaswal	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P7

Daily Analysis Runlog For Sequence/QCBatch ID # LB133687

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Supervise By	Sarabjit Jaswal	Supervise On	12/3/2024 8:29:37 PM

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CCV Standard	MP83042
ICSA Standard	MP83043,MP83044
CRI Standard	
LCS Standard	MP83045,MP83046
Chk Standard	MP83050,MP83049

79	P4902-04	E2A12S	MS	11/27/24 21:01		Jaswal	OK
80	PB165237BL	PBW237	MB	11/27/24 21:08		Jaswal	OK
81	PB165237BS	LCS237	LCS	11/27/24 21:11		Jaswal	OK
82	PB165238BL	PBS238	MB	11/27/24 21:14		Jaswal	OK
83	PB165238BS	LCS238	LCS	11/27/24 21:38		Jaswal	OK
84	P4917-01	MX1007	SAM	11/27/24 21:48		Jaswal	OK
85	P4917-04	MX1010	SAM	11/27/24 22:02	V High	Jaswal	Dilution
86	P4917-04DL	MX1010	SAM	11/27/24 22:06	2x for V	Jaswal	Confirms
87	CCV004	CCV004	CCV	11/27/24 22:14		Jaswal	OK
88	CCB004	CCB004	CCB	11/27/24 22:17		Jaswal	OK

ORIGIN ID:BJCA (303) 994-3853
MARK WOOD
PACIFIC WESTERN TECHNOLOGIES
3000 YOUGFIELD ST
WHEATRIDGE, CO 80215
UNITED STATES US

SHIP DATE: 21NOV24
ACTWGT: 20.00 LB
CAD: 252853097/INET4535
DIMS: 16x13x16 IN
BILL SENDER

TO **SOHIL JODHANI**
ALLIANCE TECHNICAL GROUP LLC
284 SHEFFIELD STREET
MOUNTAINSIDE NJ 07092
(908) 789-8900
INV:
PO:
REF: EN-SE-D38-004-04A-221
DEPT:

58CJ8/39D3/C6C4

J244024091001uv

FedEx Express

11/22/24 ORIG 2-2 C

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TRK# 0201 **7701 3347 7550**

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After printing this label:
CONSIGNEE COPY - PLEASE PLACE IN FRONT OF POUCH
1. Fold the printed page along the horizontal line.
2. Place label in shipping pouch and affix it to your shipment.

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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 :	P4955	Order Date :	11/22/2024 7:45:00 AM	Project Mgr :	Deepak
Client :	USEPA CLP SMO	Project :	51822	Report Type :	USEPA CLP
Contact :	Anita Kapadia	Receive Date :	11/22/2024 7:45:00 AM	EDD Type :	EPA CLP
Date Sign Off :	11/22/2024 1:46:18 PM				

Sample ID	Client ID	Matrix	Sampling Date	Test	Test Group	Method	TAT Days	Fax Due Date	HC Due Date
P4955-01	MH2GW5	Solid	11/11/2024						
				Metals CLP MS FULL		SFAM_MS	10	12/06/2024	12/06/2024
				Percent Solids		Chemtech -SOP	10	12/06/2024	12/06/2024
P4955-02	MH2GW6	Solid	11/11/2024						
				Metals CLP MS FULL		SFAM_MS	10	12/06/2024	12/06/2024
				Percent Solids		Chemtech -SOP	10	12/06/2024	12/06/2024
P4955-03	MH2GW7	Solid	11/11/2024						
				Metals CLP MS FULL		SFAM_MS	10	12/06/2024	12/06/2024
				Percent Solids		Chemtech -SOP	10	12/06/2024	12/06/2024
P4955-04	MH2GW8	Solid	11/11/2024						
				Metals CLP MS FULL		SFAM_MS	10	12/06/2024	12/06/2024
				Percent Solids		Chemtech -SOP	10	12/06/2024	12/06/2024
P4955-05	MH2GW8D	Solid	11/11/2024						
				Metals CLP MS FULL		SFAM_MS	10	12/06/2024	12/06/2024
				Percent Solids		Chemtech -SOP	10	12/06/2024	12/06/2024
P4955-06	MH2GW8S	Solid	11/11/2024						
				Metals CLP MS FULL		SFAM_MS	10	12/06/2024	12/06/2024
				Percent Solids		Chemtech -SOP	10	12/06/2024	12/06/2024

WORKLIST(Hardcopy Internal Chain)

WorkList Name : PB165205 **WorkList ID :** 185705 **Department :** Digestion **Date :** 11-22-2024 14:41:17

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Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4955-01	MH2GW5	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	C11	11/11/2024	SFAM_MS
P4955-02	MH2GW6	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	C11	11/11/2024	SFAM_MS
P4955-03	MH2GW7	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	C11	11/11/2024	SFAM_MS
P4955-04	MH2GW8	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	C11	11/11/2024	SFAM_MS
P4955-05	MH2GW8D	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	C11	11/11/2024	SFAM_MS
P4955-06	MH2GW8S	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	C11	11/11/2024	SFAM_MS

Date/Time 11/22/24 14:50

Raw Sample Received by: JSP (Met Dig)

Raw Sample Relinquished by:

Date/Time 11/22/24 15:50

Raw Sample Received by:

Raw Sample Relinquished by: JSP (Met Dig)