SDG COVER PAGE

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

Lab Code: ACE Case No.: 51822 MA No.: SDG No.: MH2GT6

SOW No. : SFAM01.1

EPA Sample No.	Lab Sample Id	Analysis Method ICP-AES	ICP-MS	Mercury	Cyanide
MH2GT6	P4806-01		X		
MH2GT7	P4806-02		X		
MH2GT8	P4806-03		X		
MH2GT9	P4806-04		X		
MH2GT9D	P4806-05		X		
MH2GT9S	P4806-06		X		
MH2GW0	P4806-07		X		
MH2GW1	P4806-08		X		
MH2GW2	P4806-09		X		
MH2GW3	P4806-10		X		
MH2GW4	P4806-11		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 # MH2GT6

USEPA CLP Inorganics COC (LAB COPY)

CHAIN OF CUSTODY RECORD

No: 8-110724-145352-0599

DateShipped: 11/7/2024

CarrierName: FedEx

AirbillNo: 7915 3430 7671

Case #: 51822

Cooler #: 1

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
D1203-C1	MH2GT6	Dust (Soil)/ LP,SH	Composite	ICP/MS(14)	24463 (None) (1)	C1-1203	10/30/2024 10:20	
D1203-C2	MH2GT7	Dust (Soil)/ LP,SH	Composite	ICP/MS(14)	24464 (None) (1)	C2-1203	10/30/2024 10:35	
D1203-B2	MH2GT8	Dust (Soil)/ LP,SH	Grab	ICP/MS(14)	24465 (None) (1)	B2-1203	10/30/2024 10:45	
D1203-BM	MH2GT9	Dust (Soil)/ LP,SH	Grab	ICP/MS(14)	24466 (None) (1)	BM-1203	10/30/2024 10:55	QC
D2556-B1	MH2GW0	Dust (Soil)/ LP,SH	Grab	ICP/MS(14)	24467 (None) (1)	B1-2556	11/05/2024 15:45	
D2556-C1	MH2GW1	Dust (Soil)/ LP,SH	Composite	ICP/MS(14)	24468 (None) (1)	C1-2556	11/05/2024 16:04	
D2556-B2	MH2GW2	Dust (Soil)/ LP,SH	Grab	ICP/MS(14)	24469 (None) (1)	B2-2556	11/05/2024 16:12	
D2556-B3	MH2GW3	Dust (Soil)/ LP,SH	Grab	ICP/MS(14)	24470 (None) (1)	B3-2556	11/05/2024 16:18	
D2556-B4	MH2GW4	Dust (Soil)/ LP,SH	Grab	ICP/MS(14)	24471 (None) (1)	B4-2556	11/05/2024 16:20	

Sample(s) to be used for Lab QC: D1203-BM Tag 24466 - 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 Petersen PWT	11/7/24 1530		7:05 11-11-24	IR-Gun #1 3.4°C
					Custody Seal Intact
					Temp Blank present

FORM DC-1

SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page 1 of 1
Received By (Print Name) Castanova René		Log-in Date **11/11/2024**
Received By (Signature)		
Case Number 51822	SDG No. MH2GT6	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.	779812353467 1
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	3.4 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	11/11/2024
12.Time Received	07:05

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
1	MH2GT6	N/A	24463	P4806-01	Intact
2	MH2GT7	N/A	24464	P4806-02	Intact
3	MH2GT8	N/A	24465	P4806-03	Intact
4	MH2GT9	N/A	24466	P4806-04	Intact
5	MH2GT9D	N/A	24466	P4806-05	Intact
6	MH2GT9S	N/A	24466	P4806-06	Intact
7	MH2GW0	N/A	24467	P4806-07	Intact
8	MH2GW1	N/A	24468	P4806-08	Intact
9	MH2GW2	N/A	24469	P4806-09	Intact
10	MH2GW3	N/A	24470	P4806-10	Intact
11	MH2GW4	N/A	24471	P4806-11	Intact
12	N/A	N/A	N/A	N/A	N/A
13	N/A	N/A	N/A	N/A	N/A
14	N/A	N/A	N/A	N/A	N/A
15	N/A	N/A	N/A	N/A	N/A
16	N/A	N/A	N/A	N/A	N/A
17	N/A	N/A	N/A	N/A	N/A
18	N/A	N/A	N/A	N/A	N/A
19	N/A	N/A	N/A	N/A	N/A
20	N/A	N/A	N/A	N/A	N/A
21	N/A	N/A	N/A	N/A	N/A
22	N/A	N/A	N/A	N/A	N/A
23	N/A	N/A	N/A	N/A	N/A

* Contact SMO and attach record of resolution

Reviewed By		Logbook No.	N/A
Date	11/12/24	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.	**MH2GT6**
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	23	✓	
18. Instrument raw data by instrument in analysis order	24	659	✓	
Other Data				
19. Standard and Reagent Preparation Logs	660	797	✓	
20. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	798	799	✓	
21. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	800	807	✓	
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)	808	808	✓	
Sample Tags	NA	NA	✓	
Sample Log-In Sheet (Lab)	809	810	✓	
45. Misc. Shipping/Receiving Records (list all individual records)				
	NA	NA	✓	
46. Internal Lab Sample Transfer Records and Tracking Sheets (describe or list)				
	811	811	✓	
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 # MH2GT6
CASE # 51822
CONTRACT # 68HERH20D0011
SOW# SFAM01.1
LAB NAME: Alliance Technical Group, LLC
LAB CODE: ACE
LAB ORDER ID # P4806

A. Number of Samples and Date of Receipt

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

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: 3.4^{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.

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Mountainside, NJ 07092

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 MH2GT6 For Antimony:

If C = 5.83 ppb
Vf = 500 ml
W = 1.26 g
S = 1.0(100/100)
DF = 1

$$\text{Concentration (mg/kg)} = 5.83 \times \frac{500}{1.26 \times 1.0} \times 1 / 1000$$

$$= 2.3134 \text{ mg/kg}$$

$$= 2.3 \text{ mg/kg (Reported Result with Signification)}$$

H. QA/ QC

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

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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

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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

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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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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.

MH2GT6

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.: MH2GT6

Matrix: SOIL Lab Sample ID: P4806-01

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

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	2.3		11/18/2024	0726
7440-38-2	Arsenic	6.5		11/18/2024	0726
7440-39-3	Barium	480		11/18/2024	0726
7440-41-7	Beryllium	0.64		11/18/2024	0726
7440-43-9	Cadmium	3.0		11/18/2024	0726
7440-47-3	Chromium	16		11/18/2024	0726
7440-48-4	Cobalt	5.4		11/18/2024	0726
7440-50-8	Copper	61		11/18/2024	0726
7439-92-1	Lead	2200	D	11/18/2024	0837
7439-96-5	Manganese	270	*	11/18/2024	0726
7440-02-0	Nickel	6.7		11/18/2024	0726
7782-49-2	Selenium	0.64	J	11/18/2024	0726
7440-22-4	Silver	0.50		11/18/2024	0726
7440-28-0	Thallium	0.10	J	11/18/2024	0726
7440-62-2	Vanadium	4.9		11/18/2024	0726
7440-66-6	Zinc	680		11/18/2024	0726

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

Comments:

EPA SAMPLE NO.

MH2GT7

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.: MH2GT6

Matrix: SOIL Lab Sample ID: P4806-02

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

Analytical Method: ICP_MS

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

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7440-36-0	Antimony	1.5		11/18/2024	0735
7440-38-2	Arsenic	10		11/18/2024	0735
7440-39-3	Barium	390		11/18/2024	0735
7440-41-7	Beryllium	0.26	J	11/18/2024	0735
7440-43-9	Cadmium	4.5		11/18/2024	0735
7440-47-3	Chromium	32		11/18/2024	0735
7440-48-4	Cobalt	4.4		11/18/2024	0735
7440-50-8	Copper	120		11/18/2024	0735
7439-92-1	Lead	1400		11/18/2024	0735
7439-96-5	Manganese	400	*	11/18/2024	0735
7440-02-0	Nickel	11		11/18/2024	0735
7782-49-2	Selenium	0.63	J	11/18/2024	0735
7440-22-4	Silver	1.0		11/18/2024	0735
7440-28-0	Thallium	0.11	J	11/18/2024	0735
7440-62-2	Vanadium	6.4		11/18/2024	0735
7440-66-6	Zinc	980		11/18/2024	0735

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

Comments:

EPA SAMPLE NO.

MH2GT8

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.: MH2GT6

Matrix: SOIL Lab Sample ID: P4806-03

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

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	2.7		11/18/2024	0738
7440-38-2	Arsenic	5.1		11/18/2024	0738
7440-39-3	Barium	330		11/18/2024	0738
7440-41-7	Beryllium	0.39	J	11/18/2024	0738
7440-43-9	Cadmium	23		11/18/2024	0738
7440-47-3	Chromium	25		11/18/2024	0738
7440-48-4	Cobalt	4.3		11/18/2024	0738
7440-50-8	Copper	100		11/18/2024	0738
7439-92-1	Lead	180		11/18/2024	0738
7439-96-5	Manganese	390	*	11/18/2024	0738
7440-02-0	Nickel	19		11/18/2024	0738
7782-49-2	Selenium	0.56	J	11/18/2024	0738
7440-22-4	Silver	0.89		11/18/2024	0738
7440-28-0	Thallium	0.11	J	11/18/2024	0738
7440-62-2	Vanadium	11		11/18/2024	0738
7440-66-6	Zinc	1300		11/18/2024	0738

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

Comments:

EPA SAMPLE NO.

MH2GT9

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.: MH2GT6

Matrix: SOIL Lab Sample ID: P4806-04

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

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	2.3		11/18/2024	0741
7440-38-2	Arsenic	4.3		11/18/2024	0741
7440-39-3	Barium	110		11/18/2024	0741
7440-41-7	Beryllium	0.14	J	11/18/2024	0741
7440-43-9	Cadmium	5.5		11/18/2024	0741
7440-47-3	Chromium	9.3		11/18/2024	0741
7440-48-4	Cobalt	1.8		11/18/2024	0741
7440-50-8	Copper	2200		11/18/2024	0741
7439-92-1	Lead	490		11/18/2024	0741
7439-96-5	Manganese	130	*	11/18/2024	0741
7440-02-0	Nickel	13		11/18/2024	0741
7782-49-2	Selenium	2.1	J	11/18/2024	0741
7440-22-4	Silver	0.93		11/18/2024	0741
7440-28-0	Thallium	0.065	J	11/18/2024	0741
7440-62-2	Vanadium	13		11/18/2024	0741
7440-66-6	Zinc	1800		11/18/2024	0741

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

Comments:

EPA SAMPLE NO.

MH2GW0

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.: MH2GT6

Matrix: SOIL Lab Sample ID: P4806-07

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

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	0.94		11/18/2024	0752
7440-38-2	Arsenic	1.7		11/18/2024	0752
7440-39-3	Barium	120		11/18/2024	0752
7440-41-7	Beryllium	0.13	J	11/18/2024	0752
7440-43-9	Cadmium	0.77		11/18/2024	0752
7440-47-3	Chromium	24		11/18/2024	0752
7440-48-4	Cobalt	2.3		11/18/2024	0752
7440-50-8	Copper	110		11/18/2024	0752
7439-92-1	Lead	140		11/18/2024	0752
7439-96-5	Manganese	150	*	11/18/2024	0752
7440-02-0	Nickel	35		11/18/2024	0752
7782-49-2	Selenium	0.51	J	11/18/2024	0752
7440-22-4	Silver	0.21	J	11/18/2024	0752
7440-28-0	Thallium	0.045	J	11/18/2024	0752
7440-62-2	Vanadium	5.6		11/18/2024	0752
7440-66-6	Zinc	550		11/18/2024	0752

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

Comments:

EPA SAMPLE NO.

MH2GW1

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.: MH2GT6

Matrix: SOIL Lab Sample ID: P4806-08

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

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	0.89	J	11/18/2024	0755
7440-38-2	Arsenic	3.4		11/18/2024	0755
7440-39-3	Barium	170		11/18/2024	0755
7440-41-7	Beryllium	0.16	J	11/18/2024	0755
7440-43-9	Cadmium	1.1		11/18/2024	0755
7440-47-3	Chromium	17		11/18/2024	0755
7440-48-4	Cobalt	2.6		11/18/2024	0755
7440-50-8	Copper	56		11/18/2024	0755
7439-92-1	Lead	350		11/18/2024	0755
7439-96-5	Manganese	180	*	11/18/2024	0755
7440-02-0	Nickel	44		11/18/2024	0755
7782-49-2	Selenium	0.55	J	11/18/2024	0755
7440-22-4	Silver	0.40	J	11/18/2024	0755
7440-28-0	Thallium	0.045	J	11/18/2024	0755
7440-62-2	Vanadium	9.3		11/18/2024	0755
7440-66-6	Zinc	1100		11/18/2024	0755

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

Comments:

EPA SAMPLE NO.

MH2GW2

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.: MH2GT6

Matrix: SOIL Lab Sample ID: P4806-09

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

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	0.33	J	11/18/2024	0758
7440-38-2	Arsenic	0.41	J	11/18/2024	0758
7440-39-3	Barium	19		11/18/2024	0758
7440-41-7	Beryllium	0.10	J	11/18/2024	0758
7440-43-9	Cadmium	0.18	J	11/18/2024	0758
7440-47-3	Chromium	2.3		11/18/2024	0758
7440-48-4	Cobalt	1.5		11/18/2024	0758
7440-50-8	Copper	5.1		11/18/2024	0758
7439-92-1	Lead	11		11/18/2024	0758
7439-96-5	Manganese	160	*	11/18/2024	0758
7440-02-0	Nickel	3.4		11/18/2024	0758
7782-49-2	Selenium	0.38	J	11/18/2024	0758
7440-22-4	Silver	0.44	U	11/18/2024	0758
7440-28-0	Thallium	0.44	U	11/18/2024	0758
7440-62-2	Vanadium	3.1		11/18/2024	0758
7440-66-6	Zinc	42		11/18/2024	0758

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

Comments:

EPA SAMPLE NO.

MH2GW3

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.: MH2GT6

Matrix: SOIL Lab Sample ID: P4806-10

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

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	0.93		11/18/2024	0801
7440-38-2	Arsenic	0.97		11/18/2024	0801
7440-39-3	Barium	42		11/18/2024	0801
7440-41-7	Beryllium	0.056	J	11/18/2024	0801
7440-43-9	Cadmium	0.19	J	11/18/2024	0801
7440-47-3	Chromium	3.4		11/18/2024	0801
7440-48-4	Cobalt	0.79		11/18/2024	0801
7440-50-8	Copper	17		11/18/2024	0801
7439-92-1	Lead	37		11/18/2024	0801
7439-96-5	Manganese	39	*	11/18/2024	0801
7440-02-0	Nickel	5.1		11/18/2024	0801
7782-49-2	Selenium	2.0	U	11/18/2024	0801
7440-22-4	Silver	0.40	U	11/18/2024	0801
7440-28-0	Thallium	0.40	U	11/18/2024	0801
7440-62-2	Vanadium	2.3		11/18/2024	0801
7440-66-6	Zinc	100		11/18/2024	0801

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

Comments:

EPA SAMPLE NO.

MH2GW4

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.: MH2GT6

Matrix: SOIL Lab Sample ID: P4806-11

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

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	0.41	J	11/18/2024	0805
7440-38-2	Arsenic	0.67		11/18/2024	0805
7440-39-3	Barium	21		11/18/2024	0805
7440-41-7	Beryllium	0.092	J	11/18/2024	0805
7440-43-9	Cadmium	0.28	J	11/18/2024	0805
7440-47-3	Chromium	3.0		11/18/2024	0805
7440-48-4	Cobalt	1.5		11/18/2024	0805
7440-50-8	Copper	5.6		11/18/2024	0805
7439-92-1	Lead	14		11/18/2024	0805
7439-96-5	Manganese	130	*	11/18/2024	0805
7440-02-0	Nickel	7.0		11/18/2024	0805
7782-49-2	Selenium	0.34	J	11/18/2024	0805
7440-22-4	Silver	0.44	U	11/18/2024	0805
7440-28-0	Thallium	0.44	U	11/18/2024	0805
7440-62-2	Vanadium	3.3		11/18/2024	0805
7440-66-6	Zinc	120		11/18/2024	0805

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

Comments:

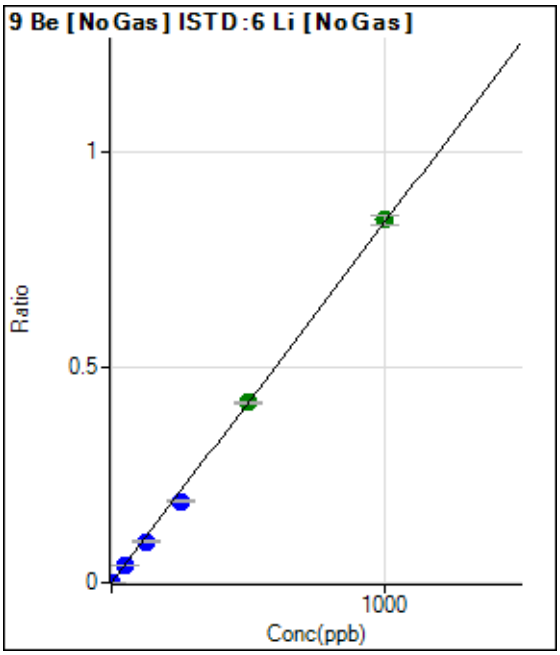
Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

Calibration for 007CALS.d

Batch Folder: D:\Agilent\ICPMH\1\DATA\P7111724 MS.b\
Analysis File: P7111724 MS.batch.bin
DA Date-Time: 2024-11-18 10:07:58
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	004CALB.d	S00	2024-11-18 04:31:53
2	006CALS.d	S02	2024-11-18 04:38:22
3	007CALS.d	S03	2024-11-18 04:41:36
4	008CALS.d	S04	2024-11-18 04:44:28
5	009CALS.d	S05	2024-11-18 04:47:12
6	010CALS.d	S06	2024-11-18 04:49:58
7	011CALS.d	S07	2024-11-18 04:52:42
8	012CALS.d	S08	2024-11-18 04:55:28

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7



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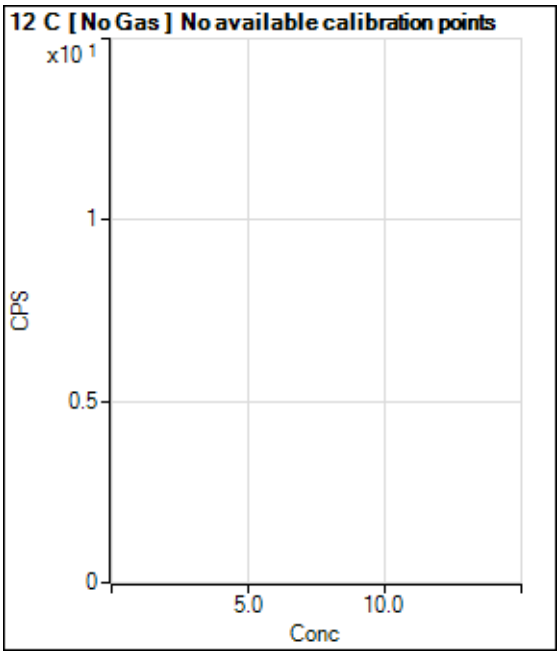
1	☐	0.000	0.000	50.00	0.0000	P	13.
2	☐	1.000	1.010	2922.55	0.0009	P	9.2
3	☐	50.000	47.755	138178.71	0.0399	P	0.7
4	☐	125.000	114.365	337217.90	0.0955	P	5.3
5	☐	250.000	226.665	653714.75	0.1893	P	4.3
6	☐	500.000	499.362	1391738.21	0.4171	A	1.4
7	☐	1000.000	1007.594	2568275.81	0.8416	A	2.8
8	☐			466.68	0.0002	P	26.

y = 8.3521E-004 * x + 1.5119E-005
R = 0.9997
DL = 0.007302
BEC = 0.0181

Weight: <None>
Min Conc: 0



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2	☐						
3	☐						
4	☐						
5	☐						
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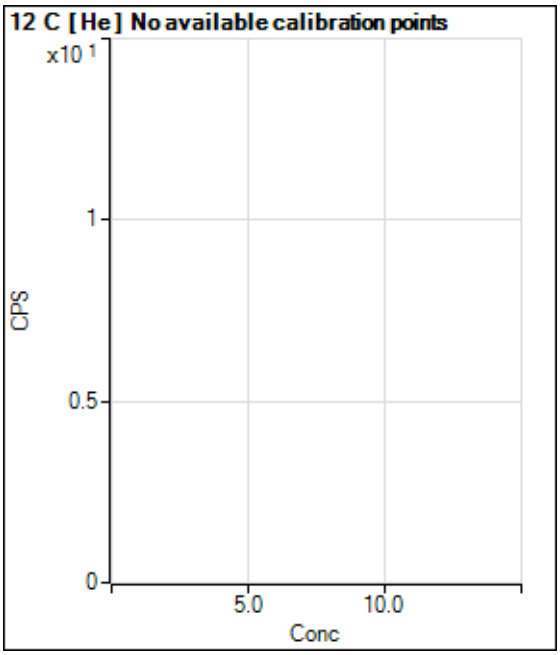
7	☐						
8	☐						

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7



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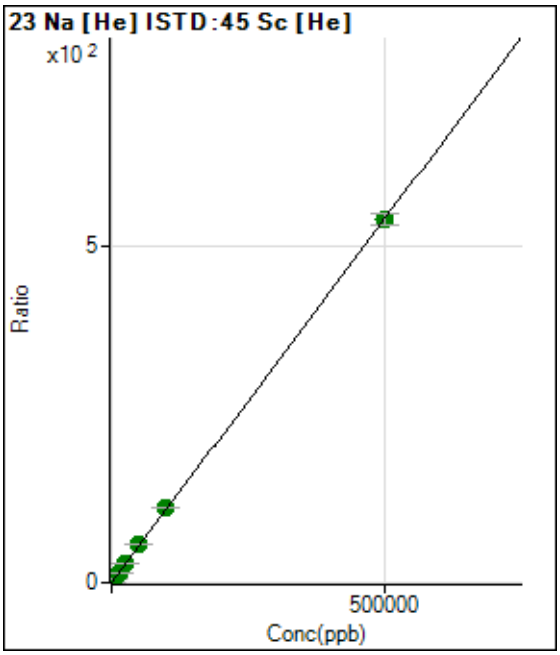
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						

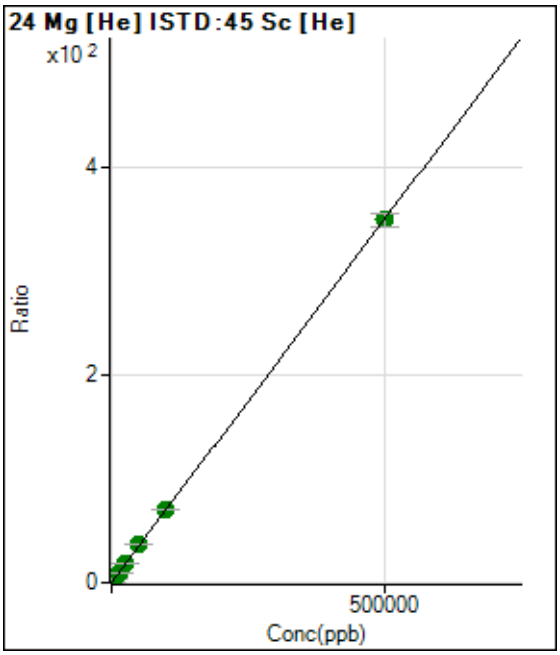


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	37550.16	0.0265	P	1.0
2	☐	500.000	473.149	766897.66	0.5376	P	4.1
3	☐	5000.000	5412.149	8132767.52	5.8729	A	0.5
4	☐	12500.000	13562.832	19604884.15	14.6777	A	0.8
5	☐	25000.000	27315.333	38858518.59	29.5338	A	1.5
6	☐	50000.000	53542.137	75967562.20	57.8652	A	0.2
7	☐	100000.00	102647.78	148283637.79	110.9115	A	0.9
8	☐	500000.00	498969.79	696557438.51	539.0372	A	3.0

y = 0.0011 * x + 0.0265
R = 1.0000
DL = 0.7311
BEC = 24.52

Weight: <None>
Min Conc: 0

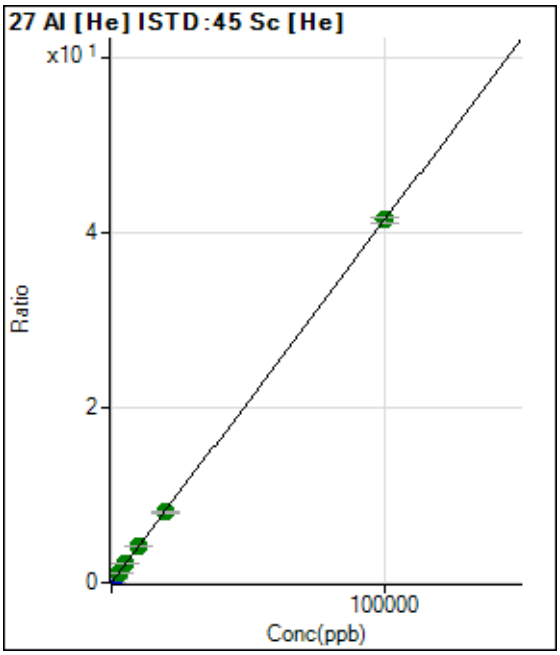
Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1105.60	0.0008	P	2.0
2	☐	500.000	478.404	479016.54	0.3358	P	4.1
3	☐	5000.000	5356.265	5195214.61	3.7516	A	0.2
4	☐	12500.000	13424.283	12556872.59	9.4014	A	2.1
5	☐	25000.000	26950.093	24830548.24	18.8732	A	1.6
6	☐	50000.000	52498.468	48255923.17	36.7640	A	1.7
7	☐	100000.00	101036.51	94593727.48	70.7538	A	1.0
8	☐	500000.00	499418.69	451865762.15	349.7296	A	3.8

y = 7.0027E-004 * x + 7.7978E-004
R = 1.0000
DL = 0.06666
BEC = 1.114

Weight: <None>
Min Conc: 0



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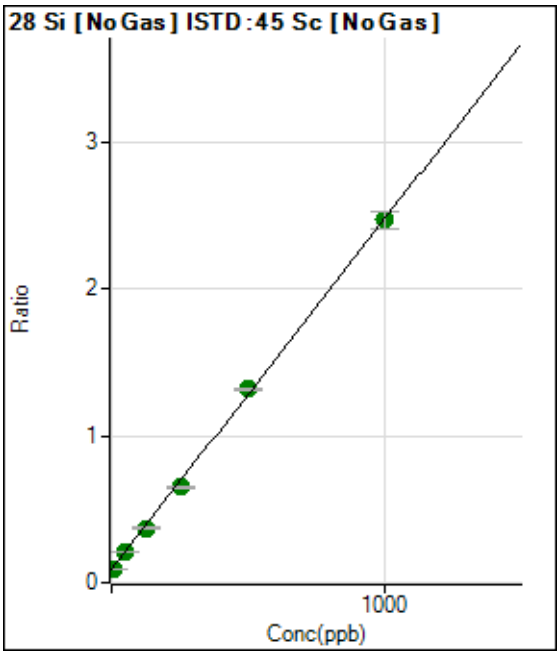
1	☐	0.000	0.000	484.46	0.0003	P	15.
2	☐	20.000	18.078	11169.69	0.0078	P	4.8
3	☐	1000.000	992.031	569606.99	0.4113	P	0.2
4	☐	2500.000	2637.540	1459928.66	1.0930	A	3.2
5	☐	5000.000	5228.971	2850701.31	2.1666	A	1.7
6	☐	10000.000	10015.761	5446718.74	4.1498	A	2.1
7	☐	20000.000	19434.289	10764887.90	8.0517	A	1.1
8	☐	100000.00	100096.75	53607145.87	41.4693	A	1.2

y = 4.1429E-004 * x + 3.4185E-004
R = 1.0000
DL = 0.3876
BEC = 0.8252

Weight: <None>
Min Conc: 0

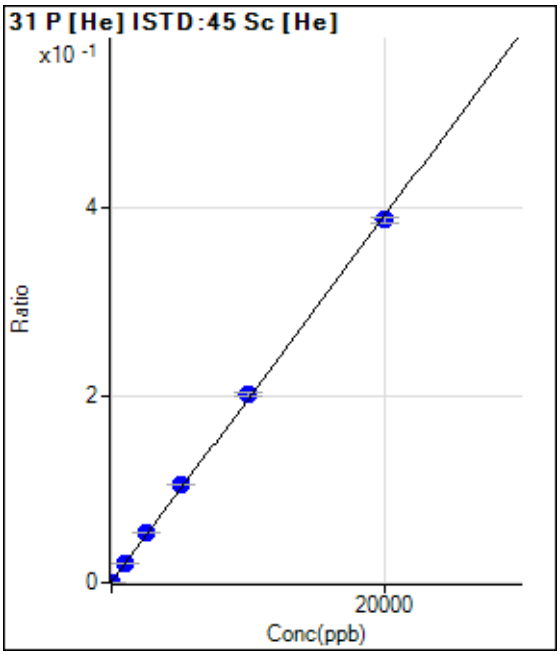
Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1546319.53	0.0912	A	0.8
2	☐	10.000	1.443	1591449.66	0.0947	A	1.7
3	☐	50.000	51.824	3568625.29	0.2147	A	0.5
4	☐	125.000	117.141	6096745.67	0.3703	A	4.6
5	☐	250.000	233.866	10328371.51	0.6483	A	3.0
6	☐	500.000	514.837	20146464.70	1.3176	A	0.5
7	☐	1000.000	997.592	36118904.74	2.4675	A	4.7
8	☐			1367816.04	0.0921	A	0.9

y = 0.0024 * x + 0.0912
R = 0.9997
DL = 0.8663
BEC = 38.3

Weight: <None>
Min Conc: 0

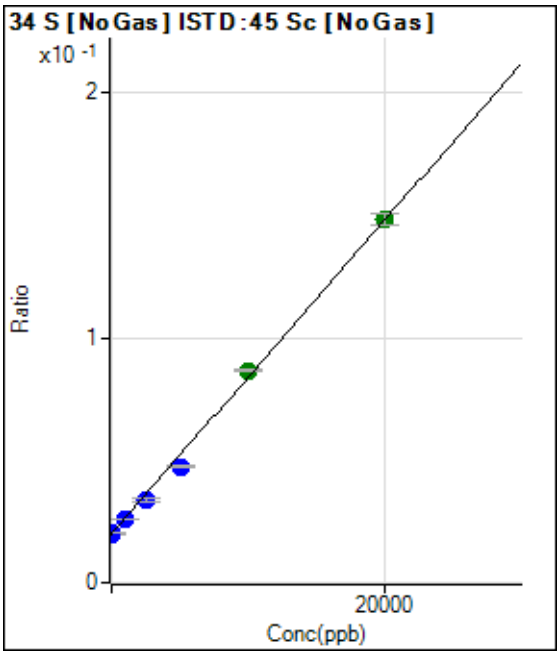


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-15.215	510.01	0.0004	P	5.2
2	☐	0.000	15.215	1362.30	0.0010	P	3.6
3	☐	1000.000	1056.831	29522.98	0.0213	P	1.9
4	☐	2500.000	2722.645	71982.59	0.0539	P	0.5
5	☐	5000.000	5302.120	137263.23	0.1043	P	0.7
6	☐	10000.000	10236.789	263556.54	0.2008	P	2.2
7	☐	20000.000	19775.403	517784.05	0.3873	P	1.2
8	☐			635.58	0.0005	P	9.2

y = 1.9551E-005 * x + 6.5726E-004
R = 0.9997
DL = 4.104
BEC = 33.62

Weight: <None>
Min Conc: 0

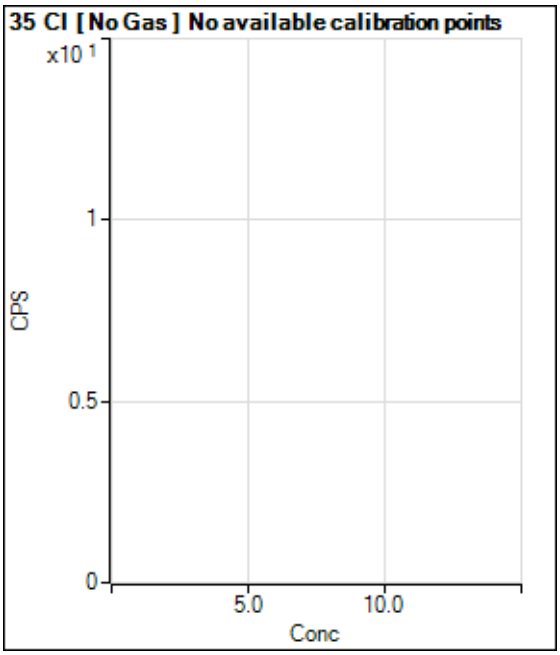
Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-66.301	331686.22	0.0196	P	0.8
2	☐	0.000	66.301	343235.03	0.0204	P	0.8
3	☐	1000.000	949.018	433225.80	0.0261	P	1.0
4	☐	2500.000	2141.370	554819.28	0.0337	P	2.9
5	☐	5000.000	4279.877	754537.43	0.0474	P	2.5
6	☐	10000.000	10415.521	1324028.79	0.0866	A	1.0
7	☐	20000.000	20019.648	2167105.25	0.1480	A	3.3
8	☐			263076.55	0.0177	P	0.6

y = 6.3939E-006 * x + 0.0200
R = 0.9989
DL = 75.27
BEC = 3127

Weight: <None>
Min Conc: 0



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

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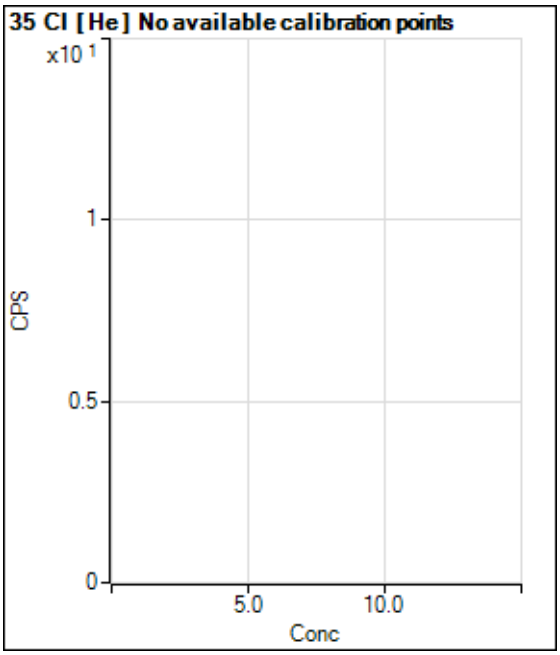

	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐						
2	☐						
3	☐						
4	☐						
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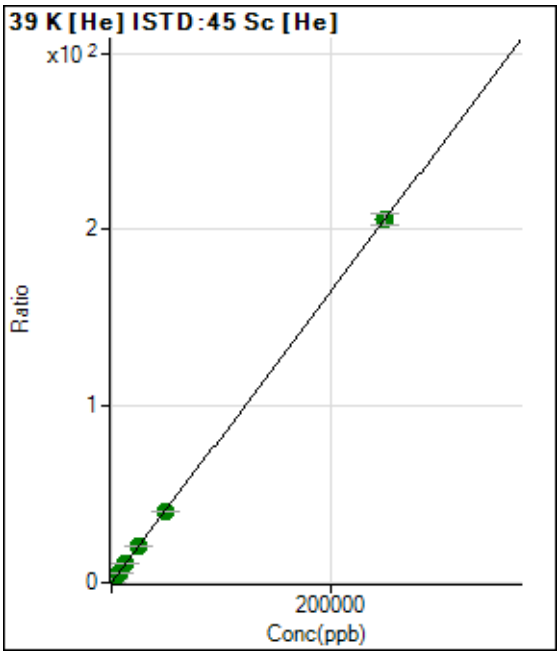
6	☐						
7	☐						
8	☐						



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	80281.40	0.0566	P	0.4
2	☐	500.000	502.535	669771.63	0.4695	P	4.1
3	☐	2500.000	2626.302	3066653.32	2.2145	A	0.9
4	☐	6250.000	6615.354	7335659.96	5.4920	A	0.8
5	☐	12500.000	12904.627	14025389.23	10.6595	A	0.5
6	☐	25000.000	25246.597	27302000.43	20.8001	A	1.7
7	☐	50000.000	49002.604	53901946.97	40.3188	A	1.5
8	☐	250000.00	250144.18	265655398.26	205.5834	A	3.2

y = 8.2163E-004 * x + 0.0566
R = 1.0000
DL = 0.9178
BEC = 68.91

Weight: <None>
Min Conc: 0

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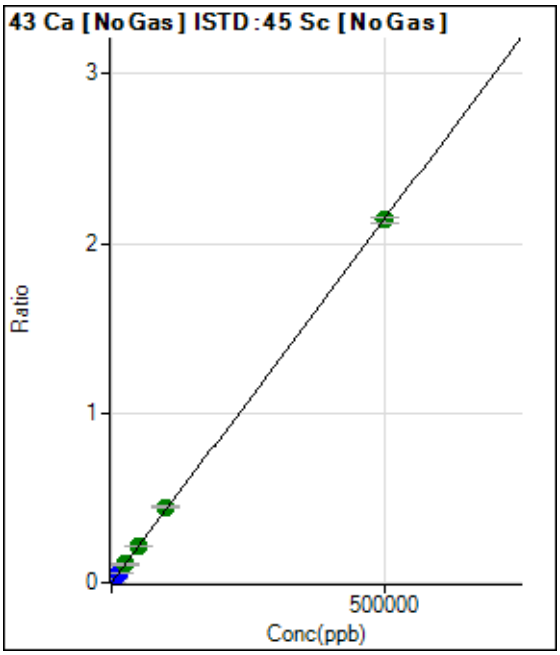
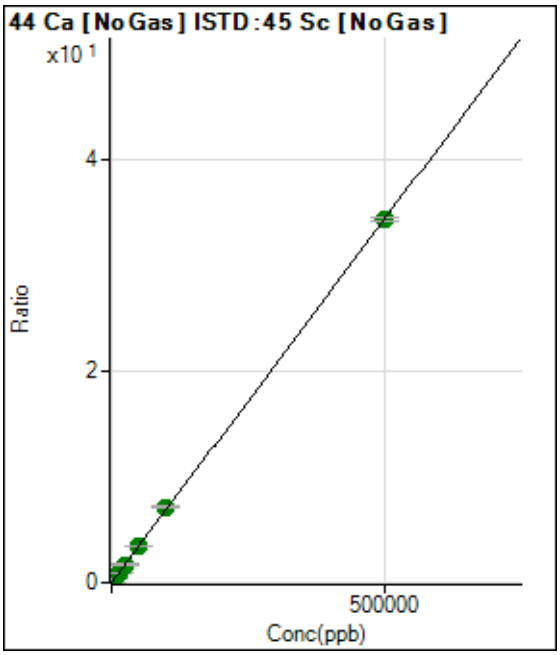


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1400.08	0.0001	P	9.6
2	☐	500.000	513.720	38405.15	0.0023	P	0.8
3	☐	5000.000	5307.874	379567.01	0.0228	P	0.8
4	☐	12500.000	12703.382	898039.91	0.0545	P	4.1
5	☐	25000.000	25261.413	1726355.69	0.1084	A	3.3
6	☐	50000.000	50996.900	3343837.84	0.2187	A	1.0
7	☐	100000.00	104209.44	6542554.63	0.4468	A	2.8
8	☐	500000.00	499037.17	31767469.80	2.1392	A	1.6

y = 4.2866E-006 * x + 8.2617E-005
R = 1.0000
DL = 5.528
BEC = 19.27

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	39287.64	0.0023	P	0.8
2	☐	500.000	518.791	638989.42	0.0380	P	0.6
3	☐	5000.000	5245.568	6037792.20	0.3632	A	1.1
4	☐	12500.000	12602.310	14319011.03	0.8694	A	2.9
5	☐	25000.000	25022.711	27463497.09	1.7240	A	3.6
6	☐	50000.000	50851.987	53534278.65	3.5012	A	0.1
7	☐	100000.00	103872.11	104688602.88	7.1492	A	3.0
8	☐	500000.00	499134.21	510039454.62	34.3449	A	1.1

y = 6.8804E-005 * x + 0.0023
R = 1.0000
DL = 0.7792
BEC = 33.69

Weight: <None>
Min Conc: 0

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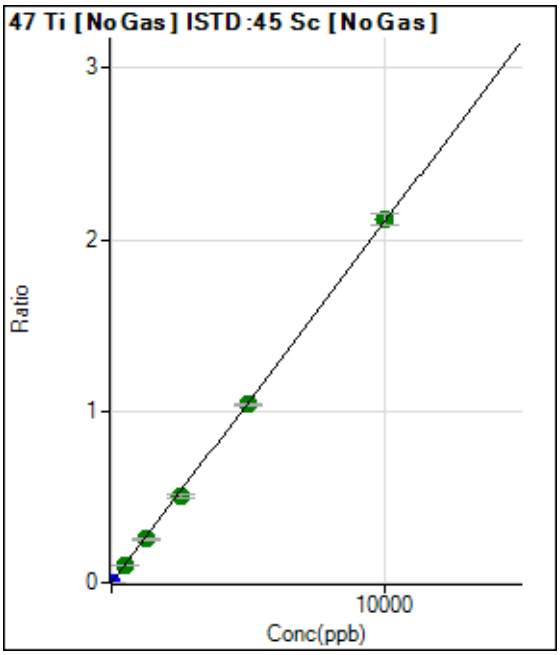
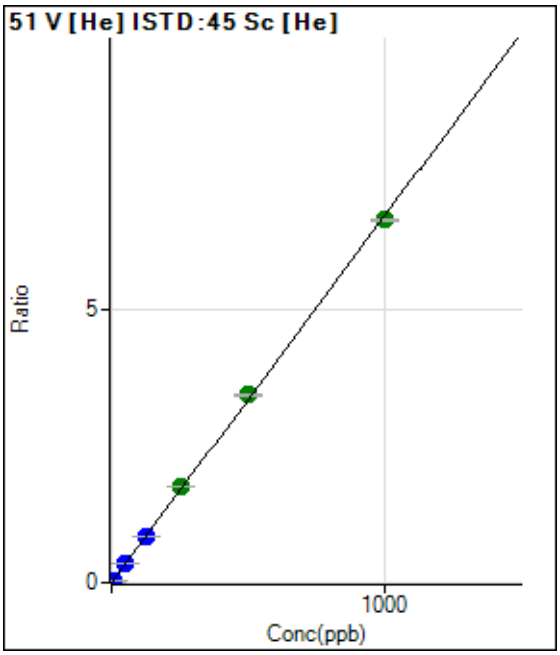


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1285.62	0.0001	P	4.0
2	☐	5.000	4.803	18242.21	0.0011	P	2.1
3	☐	500.000	498.835	1744104.68	0.1049	A	1.1
4	☐	1250.000	1212.149	4196599.28	0.2549	A	4.0
5	☐	2500.000	2412.545	8079377.52	0.5072	A	3.5
6	☐	5000.000	4932.389	15852773.10	1.0368	A	0.6
7	☐	10000.000	10060.459	30964772.04	2.1147	A	3.2
8	☐			5452.18	0.0004	P	25.

y = 2.1019E-004 * x + 7.5849E-005
R = 0.9999
DL = 0.04316
BEC = 0.3609

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	32.22	0.0000	P	38.
2	☐	5.000	4.892	47007.44	0.0330	P	4.2
3	☐	50.000	50.493	470706.28	0.3399	P	0.3
4	☐	125.000	126.822	1140291.89	0.8537	P	0.8
5	☐	250.000	263.676	2335416.42	1.7749	A	0.9
6	☐	500.000	512.978	4533118.72	3.4531	A	0.8
7	☐	1000.000	989.840	8908357.23	6.6630	A	0.5
8	☐			2379.10	0.0018	P	8.2

y = 0.0067 * x + 2.2686E-005
R = 0.9998
DL = 0.003886
BEC = 0.00337

Weight: <None>
Min Conc: 0

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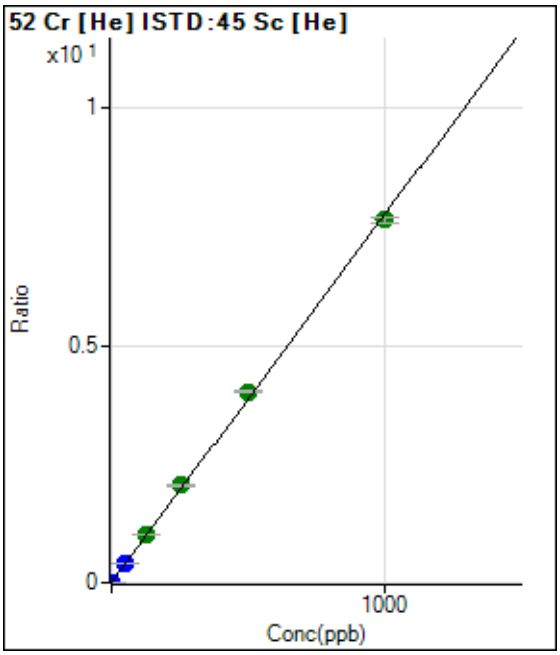
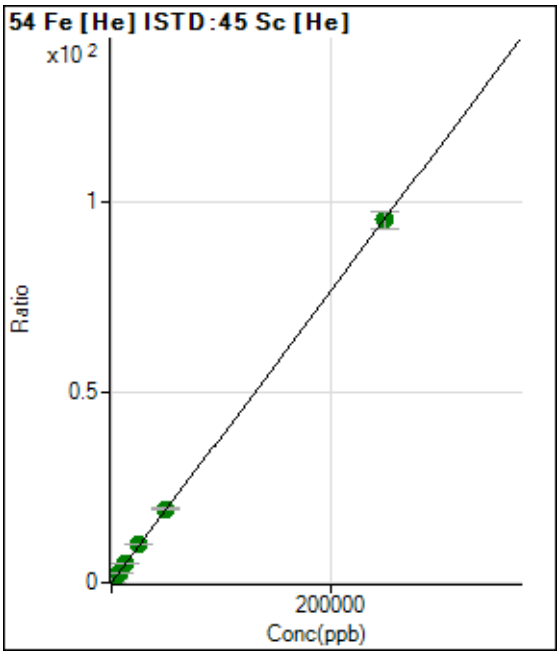


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	4728.57	0.0033	P	1.0
2	☐	2.000	2.020	27096.70	0.0190	P	4.0
3	☐	50.000	51.109	553208.01	0.3995	P	0.5
4	☐	125.000	131.355	1364371.42	1.0215	A	1.6
5	☐	250.000	265.204	2708788.92	2.0590	A	2.0
6	☐	500.000	517.822	5273185.62	4.0171	A	1.1
7	☐	1000.000	986.438	10226618.11	7.6494	A	1.4
8	☐			19931.03	0.0154	P	2.8

y = 0.0078 * x + 0.0033
R = 0.9996
DL = 0.01278
BEC = 0.4302

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	5172.04	0.0036	P	2.7
2	☐	50.000	54.737	35064.11	0.0246	P	4.6
3	☐	2500.000	2701.610	1435832.88	1.0369	A	0.5
4	☐	6250.000	6920.059	3539694.88	2.6502	A	2.7
5	☐	12500.000	13712.231	6904536.50	5.2478	A	1.2
6	☐	25000.000	26390.704	13252165.78	10.0966	A	2.1
7	☐	50000.000	50464.254	25805857.95	19.3034	A	1.9
8	☐	250000.00	249688.69	123364925.94	95.4957	A	4.6

y = 3.8244E-004 * x + 0.0036
R = 1.0000
DL = 0.7671
BEC = 9.539

Weight: <None>
Min Conc: 0

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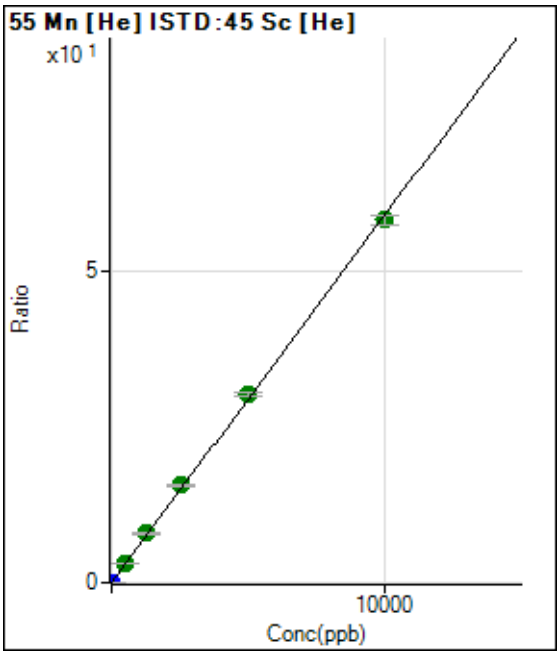
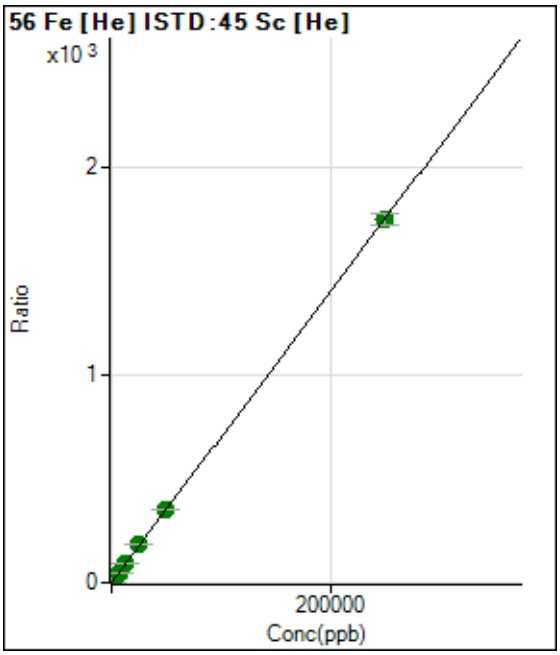


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1462.31	0.0010	P	6.5
2	☐	1.000	1.062	10376.99	0.0073	P	3.0
3	☐	500.000	527.615	4295512.30	3.1019	A	1.2
4	☐	1250.000	1339.884	10519716.79	7.8758	A	2.2
5	☐	2500.000	2647.280	20472748.31	15.5597	A	0.6
6	☐	5000.000	5138.890	39643051.91	30.2035	A	2.1
7	☐	10000.000	9881.119	77633078.84	58.0746	A	2.7
8	☐			41011.32	0.0317	P	2.2

y = 0.0059 * x + 0.0010
R = 0.9997
DL = 0.03408
BEC = 0.1754

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	44206.99	0.0312	P	0.7
2	☐	50.000	52.925	573611.39	0.4021	P	3.8
3	☐	2500.000	2692.786	26174913.50	18.9017	A	0.8
4	☐	6250.000	6897.678	64611271.26	48.3689	A	1.8
5	☐	12500.000	13551.773	124996018.14	94.9996	A	0.6
6	☐	25000.000	26240.035	241408094.18	183.9167	A	1.8
7	☐	50000.000	50182.165	470178495.22	351.6990	A	1.7
8	☐	250000.00	249768.85	2261828748.5	1,750.367	A	3.1

y = 0.0070 * x + 0.0312
R = 1.0000
DL = 0.08746
BEC = 4.449

Weight: <None>
Min Conc: 0

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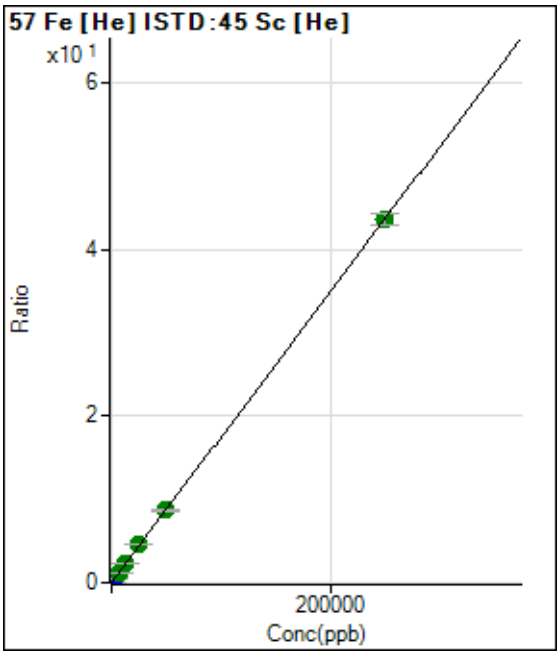
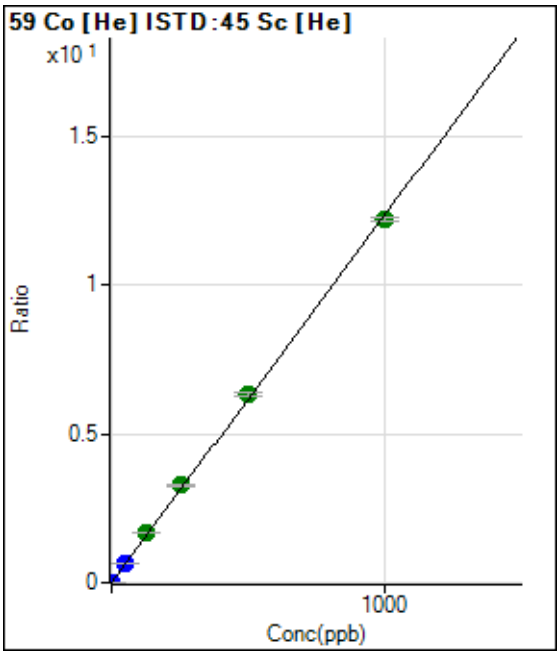


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2251.31	0.0016	P	2.7
2	☐	50.000	55.791	16135.43	0.0113	P	6.2
3	☐	2500.000	2710.874	656826.79	0.4743	P	0.2
4	☐	6250.000	6891.347	1607356.94	1.2033	A	1.2
5	☐	12500.000	13569.004	3115418.95	2.3678	A	0.8
6	☐	25000.000	26082.106	5972342.48	4.5498	A	1.3
7	☐	50000.000	50076.158	11675905.38	8.7339	A	2.0
8	☐	250000.00	249804.96	56290528.60	43.5630	A	3.3

y = 1.7438E-004 * x + 0.0016
R = 1.0000
DL = 0.7341
BEC = 9.104

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	226.67	0.0002	P	8.9
2	☐	1.000	1.050	18737.35	0.0131	P	2.5
3	☐	50.000	51.800	885825.19	0.6397	P	0.3
4	☐	125.000	138.172	2278795.25	1.7060	A	0.3
5	☐	250.000	265.337	4310413.27	3.2760	A	0.7
6	☐	500.000	512.576	8306604.74	6.3284	A	1.8
7	☐	1000.000	988.141	16310583.51	12.1998	A	1.2
8	☐			40726.26	0.0315	P	3.1

y = 0.0123 * x + 1.5986E-004
R = 0.9997
DL = 0.00347
BEC = 0.01295

Weight: <None>
Min Conc: 0

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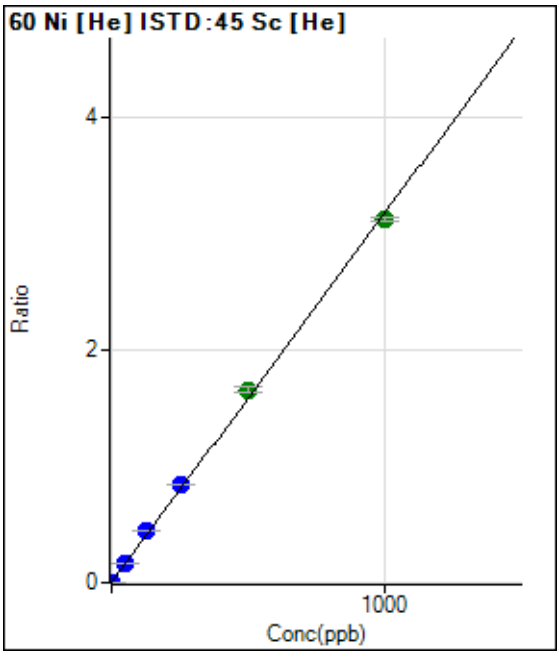
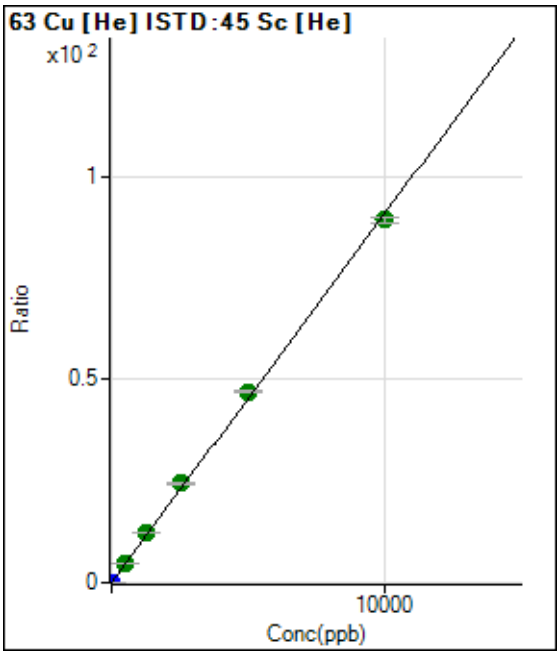


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1064.49	0.0008	P	3.1
2	☐	1.000	0.932	5286.53	0.0037	P	6.7
3	☐	50.000	52.601	232083.87	0.1676	P	0.8
4	☐	125.000	140.654	596896.52	0.4469	P	1.5
5	☐	250.000	266.061	1111300.06	0.8447	P	1.3
6	☐	500.000	522.812	2177502.75	1.6591	A	2.8
7	☐	1000.000	982.492	4167384.14	3.1171	A	1.1
8	☐			11770.25	0.0091	P	3.8

y = 0.0032 * x + 7.5078E-004
R = 0.9994
DL = 0.02187
BEC = 0.2367

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1833.47	0.0013	P	1.2
2	☐	2.000	1.959	27202.55	0.0191	P	4.6
3	☐	500.000	541.881	6812481.91	4.9195	A	0.7
4	☐	1250.000	1367.260	16577727.53	12.4109	A	0.6
5	☐	2500.000	2699.957	32244238.96	24.5068	A	1.5
6	☐	5000.000	5186.969	61796155.75	47.0795	A	1.8
7	☐	10000.000	9839.775	119399161.55	89.3096	A	1.4
8	☐			21615.75	0.0167	P	7.0

y = 0.0091 * x + 0.0013
R = 0.9995
DL = 0.005181
BEC = 0.1425

Weight: <None>
Min Conc: 0

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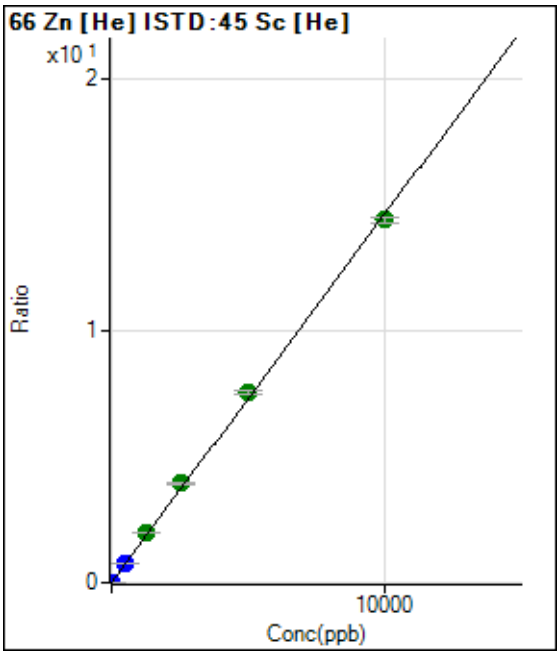
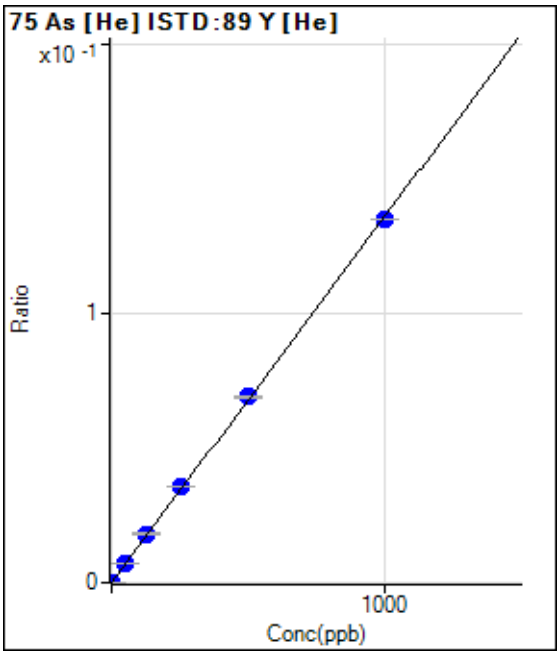


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	4691.90	0.0033	P	1.1
2	☐	2.000	4.550	14190.19	0.0099	P	4.6
3	☐	500.000	530.732	1077052.36	0.7778	P	1.0
4	☐	1250.000	1345.701	2627434.98	1.9670	A	0.1
5	☐	2500.000	2704.330	5196485.34	3.9496	A	1.3
6	☐	5000.000	5167.220	9901343.32	7.5436	A	2.0
7	☐	10000.000	9851.808	19223800.96	14.3796	A	1.8
8	☐			7808.78	0.0060	P	5.1

y = 0.0015 * x + 0.0033
R = 0.9995
DL = 0.07359
BEC = 2.268

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	21.11	0.0000	P	46.
2	☐	1.000	1.072	1504.54	0.0001	P	7.7
3	☐	50.000	53.044	70755.25	0.0072	P	0.8
4	☐	125.000	133.593	172240.90	0.0182	P	1.8
5	☐	250.000	263.016	336758.11	0.0357	P	0.6
6	☐	500.000	507.445	650088.94	0.0690	P	0.6
7	☐	1000.000	991.797	1272738.85	0.1348	P	0.0
8	☐			748.92	0.0001	P	14.

y = 1.3589E-004 * x + 2.0888E-006
R = 0.9998
DL = 0.02122
BEC = 0.01537

Weight: <None>
Min Conc: 0

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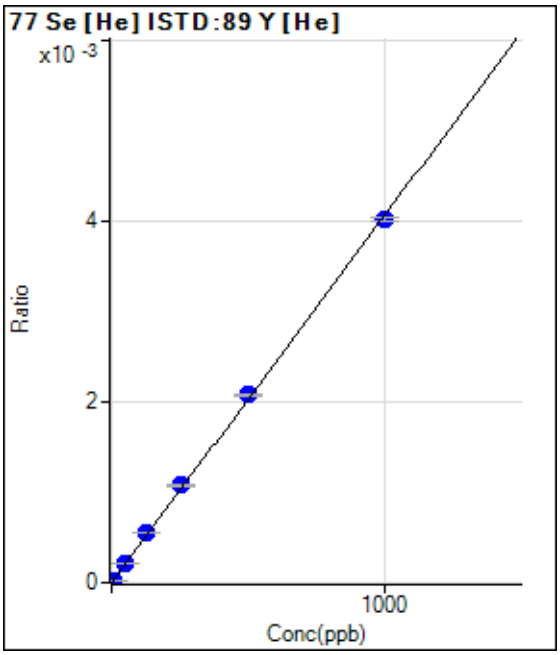
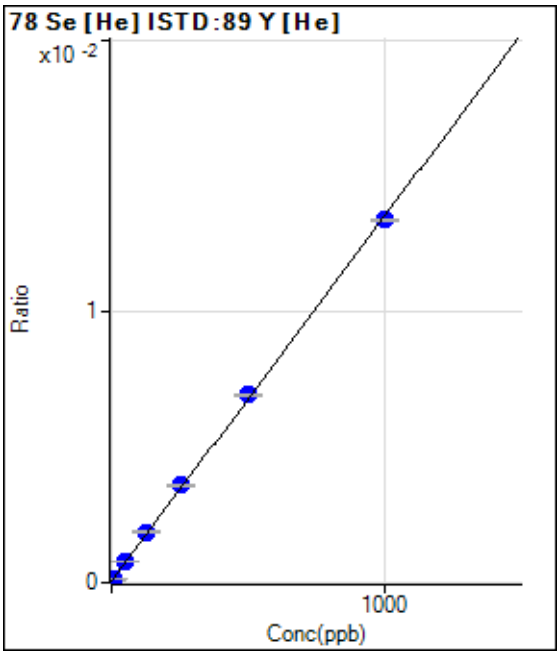


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	0.00	0.0000	P	
2	☐	5.000	5.276	217.78	0.0000	P	18.
3	☐	50.000	51.436	2051.28	0.0002	P	4.8
4	☐	125.000	136.663	5269.88	0.0006	P	1.6
5	☐	250.000	266.022	10189.16	0.0011	P	2.3
6	☐	500.000	511.737	19609.74	0.0021	P	0.9
7	☐	1000.000	988.595	37947.45	0.0040	P	1.0
8	☐			8.89	0.0000	P	57.

y = 4.0647E-006 * x + 0.0000E+000
R = 0.9997
DL = 0
BEC = 0

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	570.02	0.0001	P	8.6
2	☐	5.000	4.432	1178.95	0.0001	P	8.6
3	☐	50.000	53.289	7589.79	0.0008	P	2.0
4	☐	125.000	135.334	17813.03	0.0019	P	2.0
5	☐	250.000	262.154	33770.74	0.0036	P	0.9
6	☐	500.000	510.145	65257.45	0.0069	P	0.4
7	☐	1000.000	990.436	126407.71	0.0134	P	0.8
8	☐			515.57	0.0001	P	2.8

y = 1.3458E-005 * x + 5.6255E-005
R = 0.9998
DL = 1.079
BEC = 4.18

Weight: <None>
Min Conc: 0

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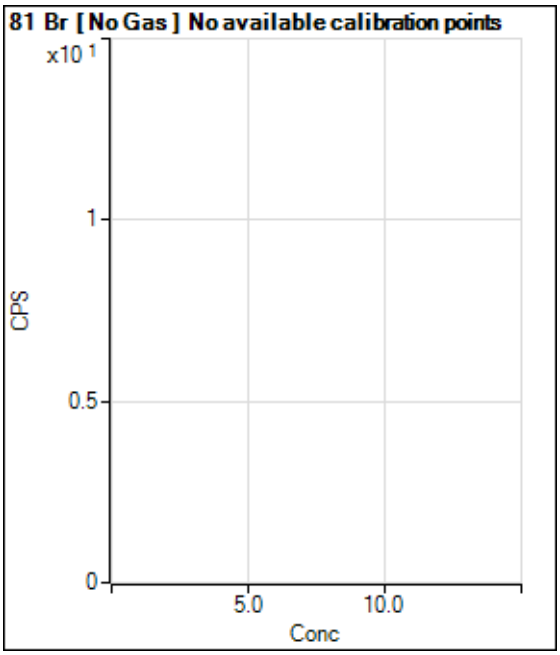
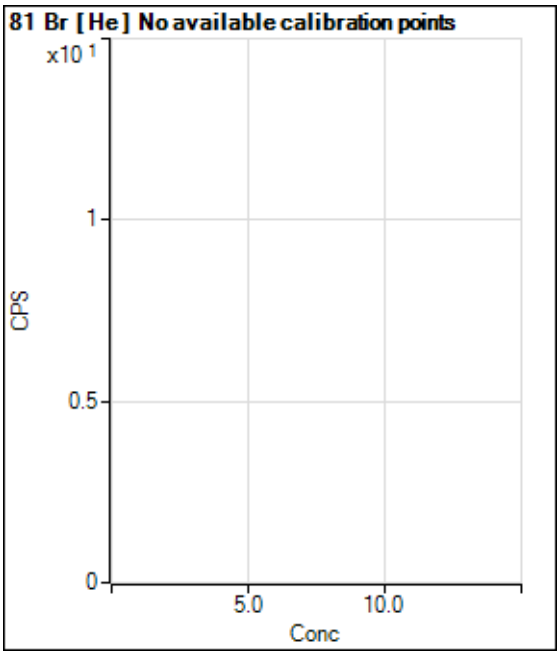


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			16373.64		P	0.6
2	☐			17065.52		P	3.0
3	☐			16613.89		P	1.7
4	☐			16087.78		P	2.2
5	☐			15770.78		P	0.8
6	☐			15555.02		P	1.7
7	☐			15819.69		P	1.0
8	☐			17206.79		P	1.7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			101.12		P	13.
2	☐			96.67		P	19.
3	☐			93.33		P	12.
4	☐			111.11		P	13.
5	☐			116.67		P	17.
6	☐			111.11		P	22.
7	☐			135.56		P	32.
8	☐			215.56		P	8.5

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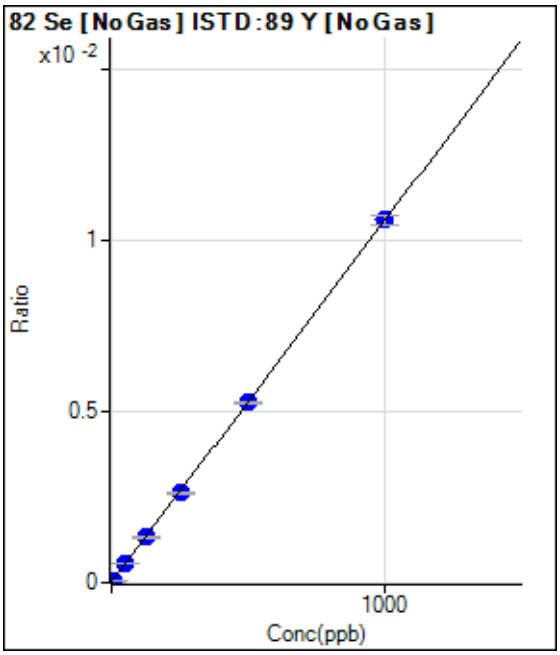
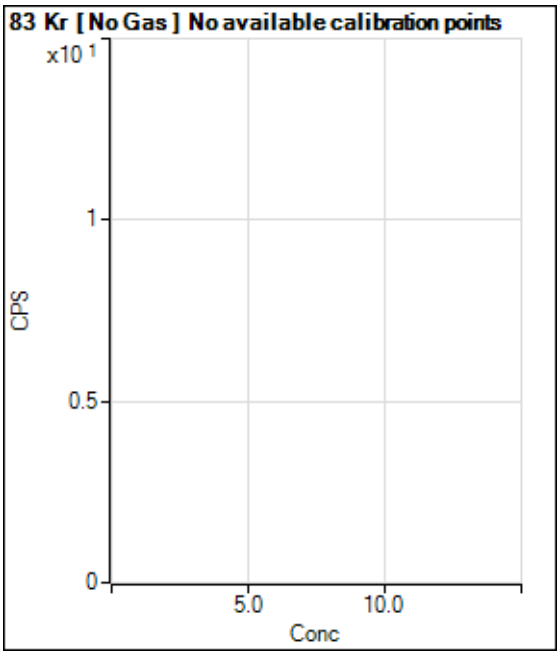


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	599.05	0.0000	P	5.1
2	☐	5.000	5.380	2880.62	0.0001	P	3.5
3	☐	50.000	51.240	22141.91	0.0006	P	1.7
4	☐	125.000	125.465	52736.39	0.0013	P	4.2
5	☐	250.000	246.436	101556.91	0.0026	P	3.5
6	☐	500.000	496.902	197461.99	0.0053	P	0.5
7	☐	1000.000	1002.318	384484.09	0.0106	P	2.6
8	☐			771.40	0.0000	P	6.0

y = 1.0565E-005 * x + 1.4967E-005
R = 1.0000
DL = 0.2181
BEC = 1.417

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			346.67		P	10.
2	☐			366.67		P	2.4
3	☐			313.34		P	12.
4	☐			322.23		P	12.
5	☐			300.01		P	14.
6	☐			322.23		P	8.8
7	☐			335.57		P	13.
8	☐			408.90		P	9.3

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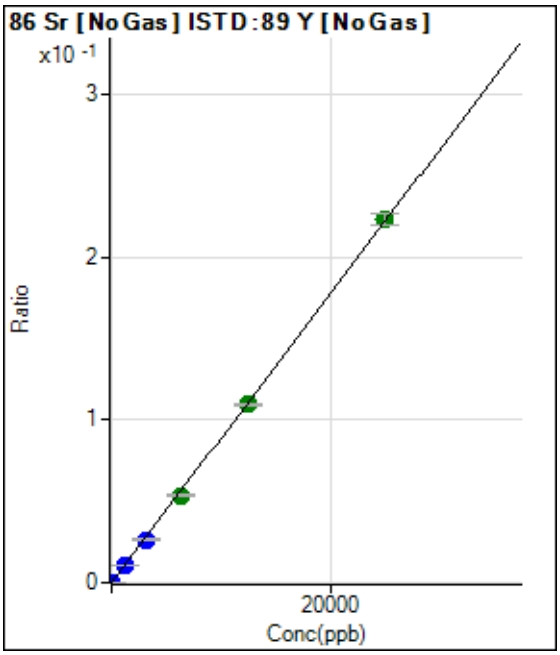
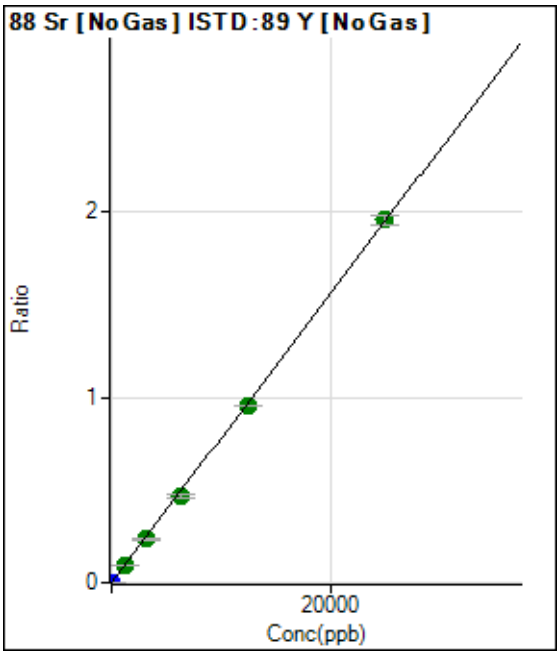


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	574.46	0.0000	P	4.0
2	☐	1.000	24.346	9238.52	0.0002	P	1.4
3	☐	1250.000	1218.265	430618.99	0.0108	P	1.2
4	☐	3125.000	2963.339	1034428.61	0.0263	P	4.7
5	☐	6250.000	6061.220	2085293.46	0.0538	A	3.9
6	☐	12500.000	12331.477	4102667.33	0.1094	A	0.7
7	☐	25000.000	25153.250	8087982.31	0.2231	A	3.1
8	☐			26647.51	0.0007	P	1.5

y = 8.8686E-006 * x + 1.4359E-005
R = 0.9999
DL = 0.193
BEC = 1.619

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	906.70	0.0000	P	4.9
2	☐	1.000	23.692	74899.33	0.0019	P	1.0
3	☐	1250.000	1254.218	3887181.23	0.0977	A	0.5
4	☐	3125.000	3034.706	9294921.11	0.2363	A	4.1
5	☐	6250.000	6047.320	18257959.87	0.4708	A	3.8
6	☐	12500.000	12290.775	35886176.13	0.9568	A	0.7
7	☐	25000.000	25166.357	71027820.05	1.9590	A	2.9
8	☐			227769.42	0.0063	P	1.2

y = 7.7843E-005 * x + 2.2654E-005
R = 0.9999
DL = 0.04252
BEC = 0.291

Weight: <None>
Min Conc: 0

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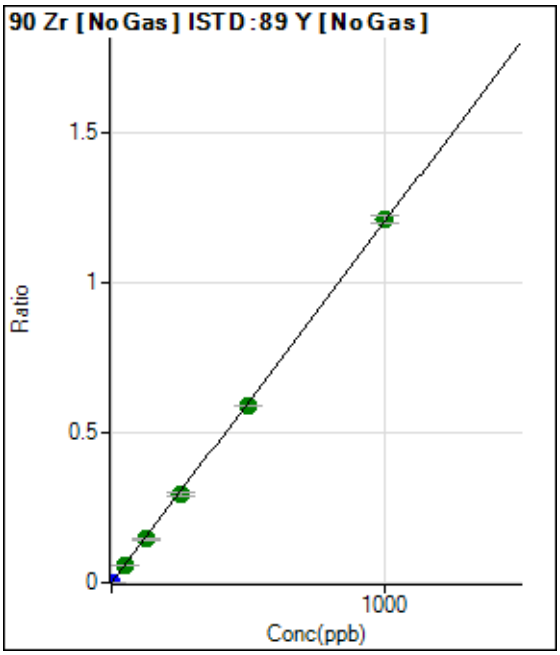
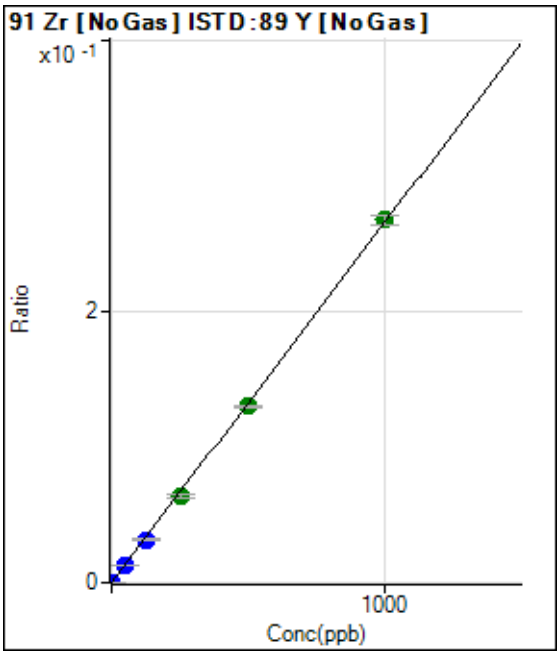


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2821.42	0.0001	P	2.3
2	☐	1.000	0.937	48044.97	0.0012	P	0.1
3	☐	50.000	49.794	2386929.18	0.0600	A	1.1
4	☐	125.000	120.720	5715811.79	0.1453	A	4.1
5	☐	250.000	244.068	11388274.41	0.2936	A	4.6
6	☐	500.000	491.069	22158656.61	0.5908	A	0.2
7	☐	1000.000	1006.494	43904929.90	1.2107	A	2.1
8	☐			28597.89	0.0008	P	5.9

y = 0.0012 * x + 7.0497E-005
R = 0.9999
DL = 0.003998
BEC = 0.05861

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	557.79	0.0000	P	7.3
2	☐	1.000	0.937	10545.00	0.0003	P	0.3
3	☐	50.000	48.116	509399.59	0.0128	P	1.4
4	☐	125.000	118.057	1234510.68	0.0314	P	4.6
5	☐	250.000	242.018	2494460.22	0.0643	A	3.7
6	☐	500.000	489.213	4875994.93	0.1300	A	0.1
7	☐	1000.000	1008.351	9714297.98	0.2679	A	2.9
8	☐			6261.39	0.0002	P	4.6

y = 2.6569E-004 * x + 1.3947E-005
R = 0.9999
DL = 0.01156
BEC = 0.05249

Weight: <None>
Min Conc: 0

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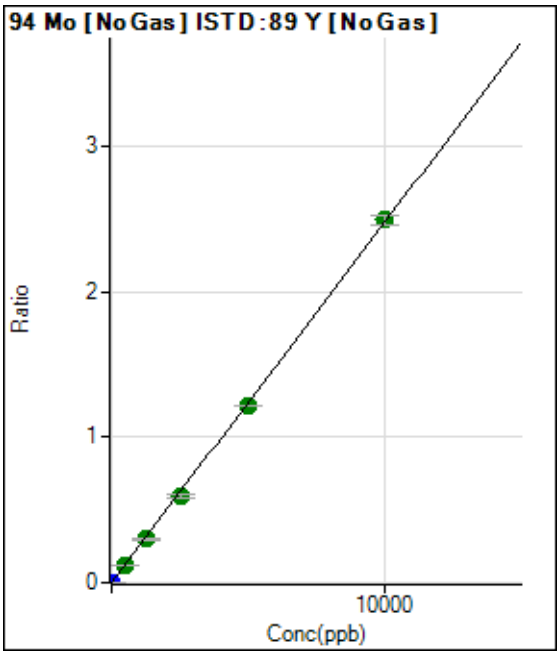
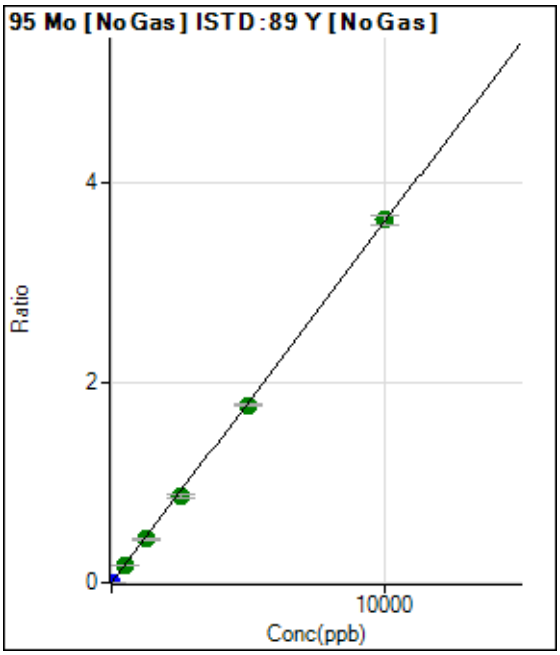


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1030.05	0.0000	P	9.5
2	☐	5.000	5.467	55418.78	0.0014	P	0.5
3	☐	500.000	495.009	4886801.60	0.1228	A	1.2
4	☐	1250.000	1216.210	11865724.82	0.3016	A	4.4
5	☐	2500.000	2412.344	23198656.32	0.5982	A	4.5
6	☐	5000.000	4904.351	45616164.32	1.2162	A	0.4
7	☐	10000.000	10074.212	90585596.43	2.4981	A	2.3
8	☐			25970.15	0.0007	P	16.

y = 2.4797E-004 * x + 2.5732E-005
R = 0.9999
DL = 0.02954
BEC = 0.1038

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	108.89	0.0000	P	30.
2	☐	5.000	4.608	66722.19	0.0017	P	0.5
3	☐	500.000	497.570	7136189.55	0.1793	A	0.9
4	☐	1250.000	1218.382	17269896.97	0.4390	A	4.7
5	☐	2500.000	2406.948	33634552.00	0.8672	A	3.7
6	☐	5000.000	4922.775	66527894.01	1.7737	A	0.7
7	☐	10000.000	10065.949	131504755.82	3.6268	A	2.6
8	☐			25619.83	0.0007	P	21.

y = 3.6031E-004 * x + 2.7150E-006
R = 0.9999
DL = 0.006871
BEC = 0.007535

Weight: <None>
Min Conc: 0

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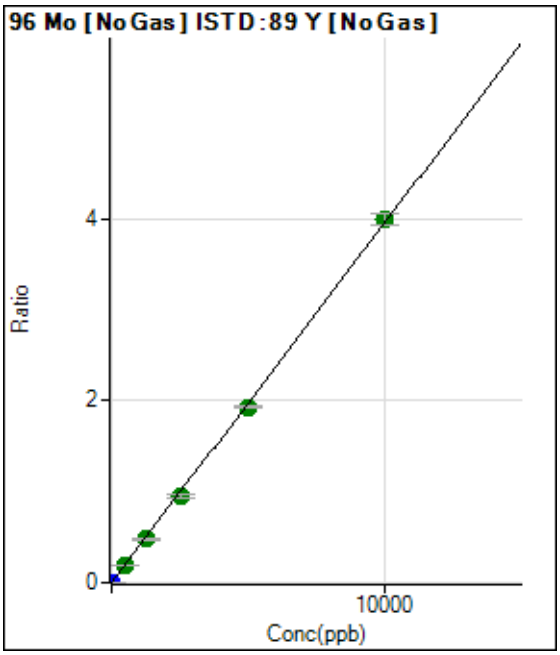
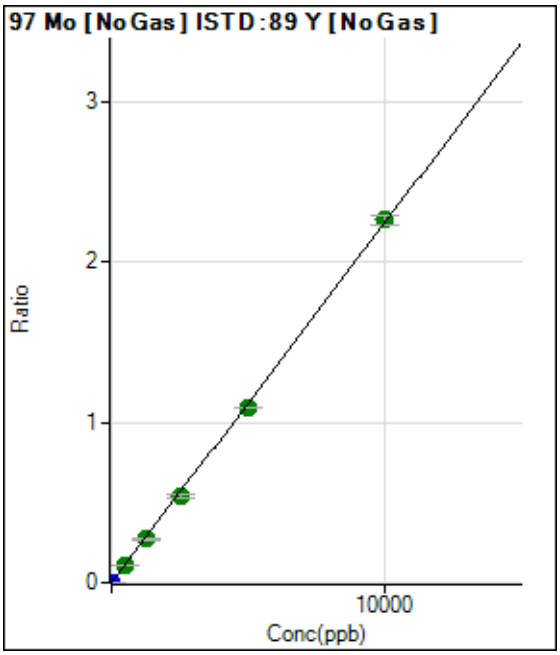


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	341.12	0.0000	P	13.
2	☐	5.000	4.668	74426.85	0.0019	P	0.9
3	☐	500.000	495.248	7799255.72	0.1959	A	0.5
4	☐	1250.000	1215.572	18917335.27	0.4809	A	5.0
5	☐	2500.000	2405.925	36916675.28	0.9518	A	3.3
6	☐	5000.000	4880.215	72414134.48	1.9306	A	0.6
7	☐	10000.000	10087.952	144687885.62	3.9908	A	3.0
8	☐			46903.57	0.0013	P	12.

y = 3.9560E-004 * x + 8.5165E-006
R = 0.9998
DL = 0.008395
BEC = 0.02153

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	81.11	0.0000	P	21.
2	☐	5.000	4.648	41851.98	0.0010	P	1.4
3	☐	500.000	492.723	4393782.29	0.1104	A	0.3
4	☐	1250.000	1209.016	10654861.65	0.2708	A	4.7
5	☐	2500.000	2408.588	20926207.60	0.5396	A	3.7
6	☐	5000.000	4880.431	41009561.89	1.0933	A	0.4
7	☐	10000.000	10088.125	81943608.78	2.2599	A	2.4
8	☐			16046.96	0.0004	P	21.

y = 2.2402E-004 * x + 2.0236E-006
R = 0.9998
DL = 0.005871
BEC = 0.009033

Weight: <None>
Min Conc: 0

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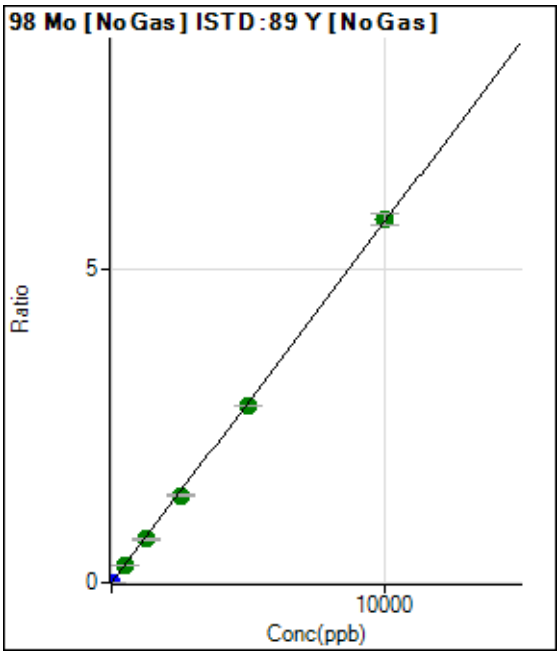
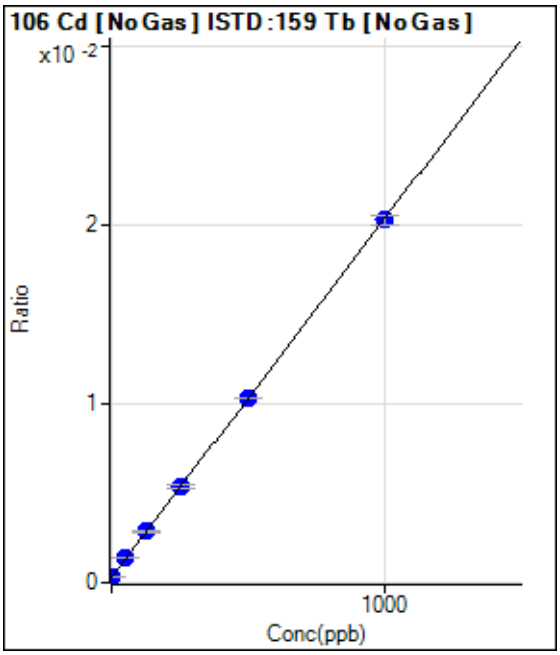


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	208.89	0.0000	P	12.
2	☐	5.000	4.647	107571.07	0.0027	P	1.0
3	☐	500.000	495.150	11348903.86	0.2851	A	1.3
4	☐	1250.000	1216.207	27547322.65	0.7003	A	5.1
5	☐	2500.000	2422.400	54094845.86	1.3948	A	3.8
6	☐	5000.000	4922.806	106322188.42	2.8345	A	0.3
7	☐	10000.000	10062.464	210048727.98	5.7940	A	3.3
8	☐			39568.86	0.0011	P	22.

y = 5.7580E-004 * x + 5.2160E-006
R = 0.9999
DL = 0.003429
BEC = 0.009059

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	9689.98	0.0003	P	4.8
2	☐	1.000	1.917	11043.18	0.0003	P	3.1
3	☐	50.000	54.795	47590.99	0.0014	P	0.5
4	☐	125.000	129.887	101298.78	0.0029	P	3.4
5	☐	250.000	254.586	186223.76	0.0054	P	2.8
6	☐	500.000	501.352	352076.23	0.0103	P	0.2
7	☐	1000.000	997.326	675896.13	0.0203	P	2.6
8	☐			9550.99	0.0003	P	1.3

y = 2.0035E-005 * x + 2.8069E-004
R = 1.0000
DL = 2.025
BEC = 14.01

Weight: <None>
Min Conc: 0

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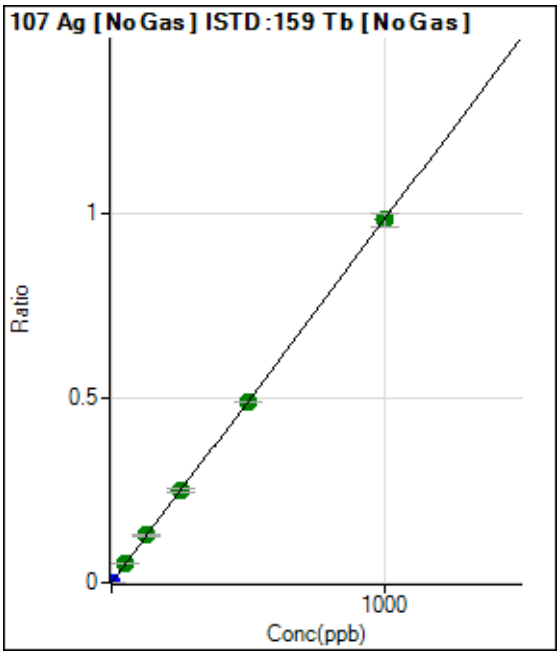
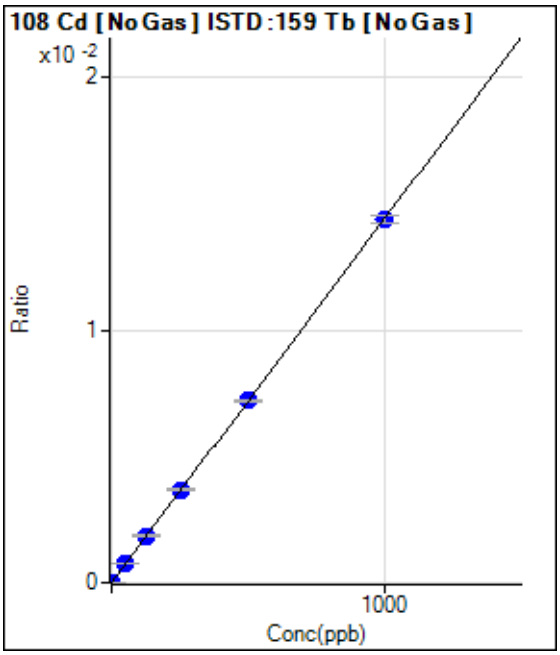


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	284.45	0.0000	P	10.
2	☐	1.000	1.016	34964.31	0.0010	P	2.0
3	☐	50.000	54.241	1846330.91	0.0535	A	1.7
4	☐	125.000	129.796	4496965.07	0.1280	A	2.2
5	☐	250.000	254.192	8671265.50	0.2506	A	3.2
6	☐	500.000	498.815	16766964.75	0.4917	A	0.5
7	☐	1000.000	998.733	32834153.96	0.9845	A	3.6
8	☐			5075.41	0.0002	P	25.

y = 9.8578E-004 * x + 8.2367E-006
R = 1.0000
DL = 0.002732
BEC = 0.008355

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	37.78	0.0000	P	33.
2	☐	1.000	0.989	530.02	0.0000	P	11.
3	☐	50.000	54.654	27197.77	0.0008	P	2.1
4	☐	125.000	128.711	65143.19	0.0019	P	3.5
5	☐	250.000	256.230	127682.75	0.0037	P	3.2
6	☐	500.000	500.915	245926.20	0.0072	P	0.8
7	☐	1000.000	997.288	478982.78	0.0144	P	2.1
8	☐			222.23	0.0000	P	14.

y = 1.4396E-005 * x + 1.0937E-006
R = 1.0000
DL = 0.07589
BEC = 0.07597

Weight: <None>
Min Conc: 0

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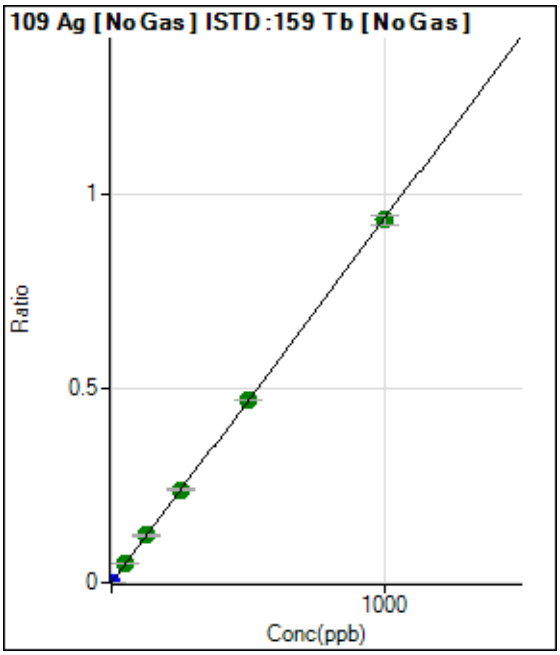
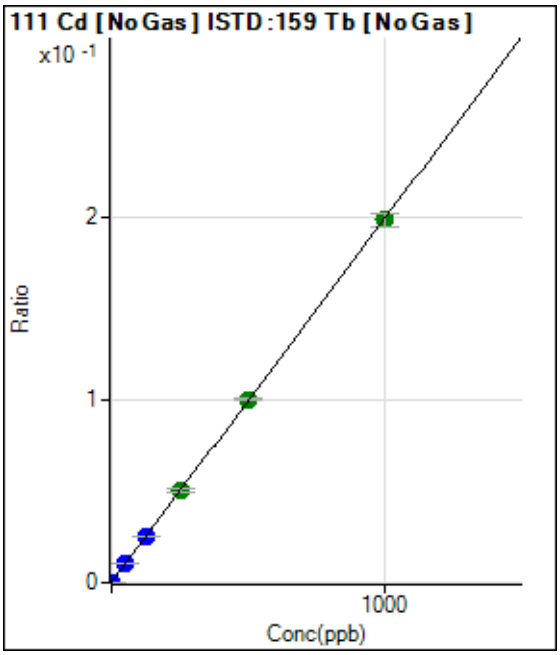


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	156.67	0.0000	P	10.
2	☐	1.000	1.029	33566.59	0.0010	P	2.4
3	☐	50.000	54.960	1780019.52	0.0516	A	0.8
4	☐	125.000	129.457	4266865.67	0.1214	A	3.6
5	☐	250.000	255.729	8301363.63	0.2399	A	2.7
6	☐	500.000	503.143	16093326.29	0.4720	A	0.1
7	☐	1000.000	996.191	31169156.20	0.9345	A	2.9
8	☐			4718.65	0.0001	P	29.

y = 9.3805E-004 * x + 4.5363E-006
R = 1.0000
DL = 0.001568
BEC = 0.004836

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	6795.43	0.0002	P	4.7
2	☐	1.000	1.145	14692.23	0.0004	P	3.2
3	☐	50.000	53.110	371498.24	0.0108	P	1.4
4	☐	125.000	126.101	888287.27	0.0253	P	3.6
5	☐	250.000	252.857	1747262.55	0.0505	A	3.6
6	☐	500.000	503.083	3419002.44	0.1003	A	0.7
7	☐	1000.000	997.451	6623864.59	0.1986	A	3.4
8	☐			8053.57	0.0002	P	3.9

y = 1.9892E-004 * x + 1.9684E-004
R = 1.0000
DL = 0.1394
BEC = 0.9896

Weight: <None>
Min Conc: 0

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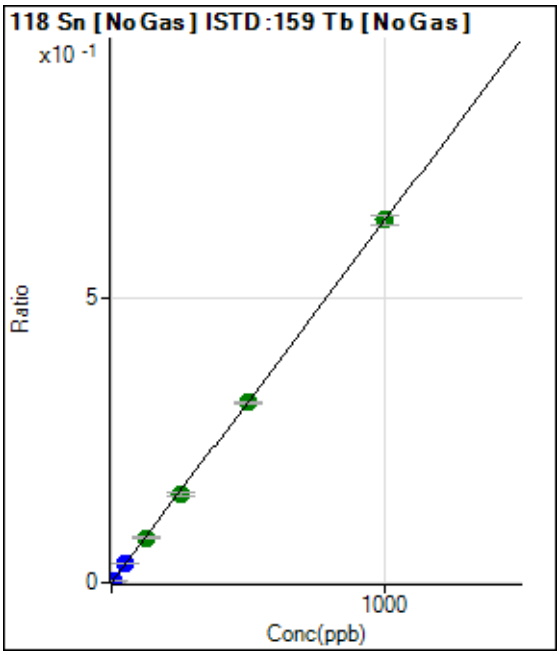
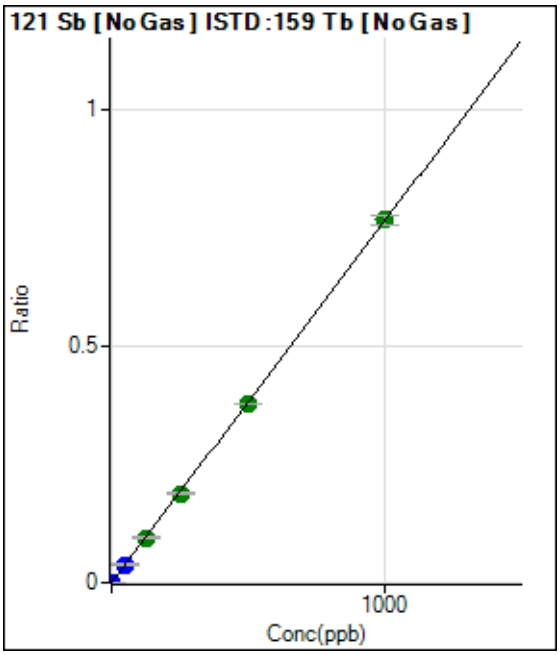


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	5042.06	0.0001	P	2.2
2	☐	5.000	5.021	115546.30	0.0033	P	1.7
3	☐	50.000	51.083	1126154.87	0.0326	P	1.9
4	☐	125.000	124.258	2781013.64	0.0791	A	3.6
5	☐	250.000	246.476	5427206.66	0.1569	A	4.2
6	☐	500.000	497.189	10783497.62	0.3162	A	1.3
7	☐	1000.000	1002.325	21262193.16	0.6374	A	2.5
8	☐			13449.75	0.0004	P	6.1

y = 6.3578E-004 * x + 1.4604E-004
R = 1.0000
DL = 0.0151
BEC = 0.2297

Weight: <None>
Min Conc: 0



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1	☐	0.000	0.000	55.56	0.0000	P	13.
2	☐	2.000	1.981	52354.92	0.0015	P	1.2
3	☐	50.000	50.304	1324602.06	0.0384	P	1.1
4	☐	125.000	124.394	3333697.90	0.0949	A	3.7
5	☐	250.000	246.907	6517041.15	0.1883	A	2.8
6	☐	500.000	494.177	12852523.42	0.3769	A	0.7
7	☐	1000.000	1003.745	25539007.67	0.7656	A	2.4
8	☐			13804.55	0.0004	P	9.9

y = 7.6274E-004 * x + 1.6089E-006
R = 1.0000
DL = 0.0008659
BEC = 0.002109

Weight: <None>
Min Conc: 0

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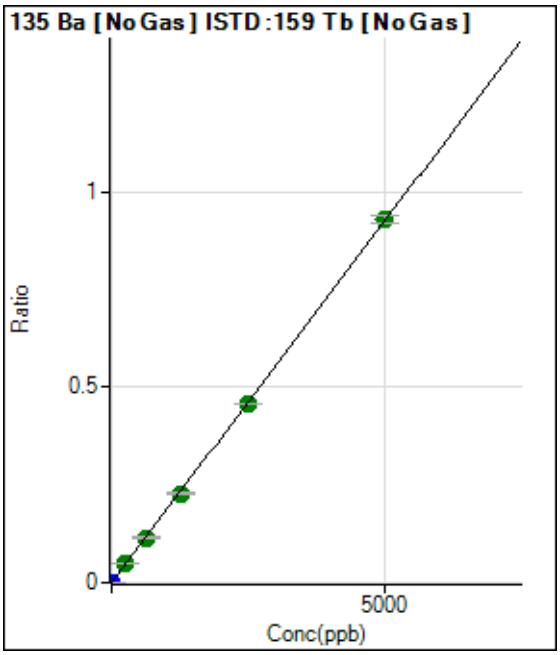
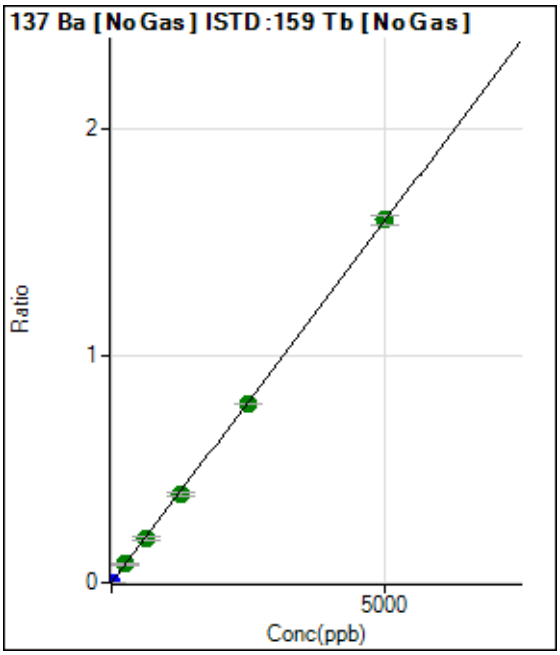


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	157.78	0.0000	P	9.7
2	☐	10.000	9.692	62138.30	0.0018	P	1.2
3	☐	250.000	258.130	1646580.05	0.0477	A	1.8
4	☐	625.000	620.765	4029774.66	0.1147	A	4.6
5	☐	1250.000	1235.642	7900695.16	0.2283	A	2.5
6	☐	2500.000	2469.760	15559740.19	0.4563	A	0.2
7	☐	5000.000	5018.833	30933904.26	0.9273	A	2.3
8	☐			19501.26	0.0006	P	6.5

y = 1.8476E-004 * x + 4.5690E-006
R = 1.0000
DL = 0.007181
BEC = 0.02473

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	327.79	0.0000	P	9.8
2	☐	10.000	9.686	107303.23	0.0031	P	2.5
3	☐	250.000	253.885	2797572.08	0.0810	A	1.1
4	☐	625.000	611.649	6858393.02	0.1952	A	5.0
5	☐	1250.000	1231.380	13598878.13	0.3930	A	3.6
6	☐	2500.000	2475.719	26941489.04	0.7901	A	0.5
7	☐	5000.000	5018.271	53421825.87	1.6016	A	2.7
8	☐			33868.17	0.0010	P	6.8

y = 3.1915E-004 * x + 9.4925E-006
R = 1.0000
DL = 0.008707
BEC = 0.02974

Weight: <None>
Min Conc: 0

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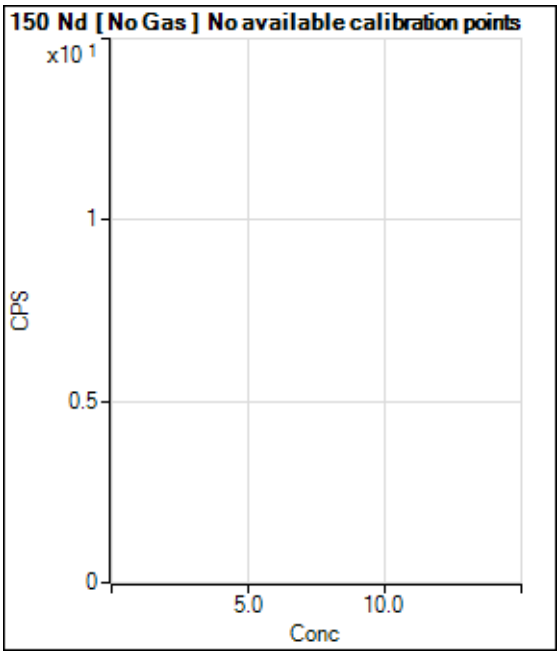

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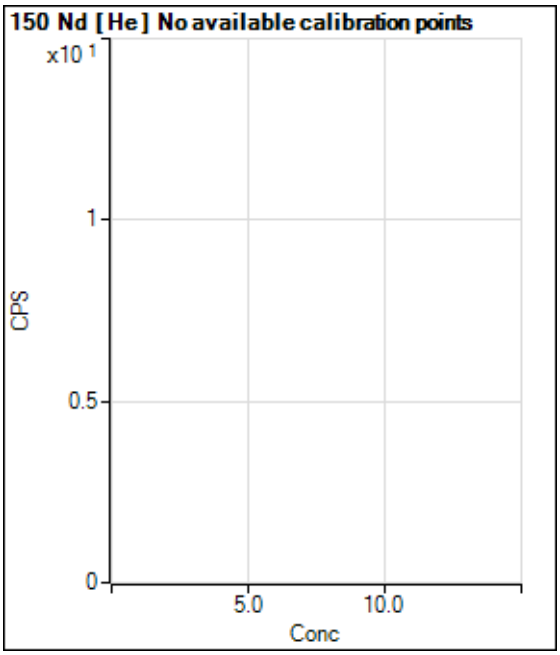
1	☐			30.00		P	11.
2	☐			37.78		P	27.
3	☐			76.67		P	34.
4	☐			207.78		P	16.
5	☐			358.90		P	6.6
6	☐			735.59		P	5.4
7	☐			1362.30		P	1.2
8	☐			523.35		P	2.9



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1	☐			12.22		P	63.
2	☐			12.22		P	41.
3	☐			40.00		P	28.
4	☐			46.67		P	31.
5	☐			92.22		P	11.
6	☐			183.34		P	1.8
7	☐			335.56		P	5.8
8	☐			270.01		P	4.5

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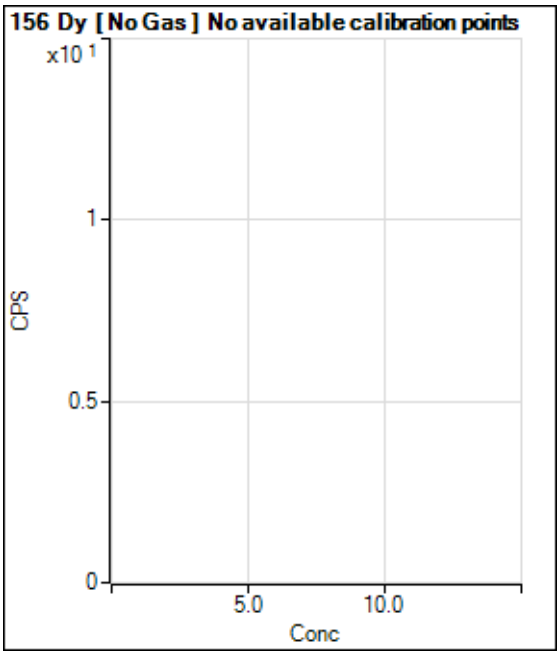

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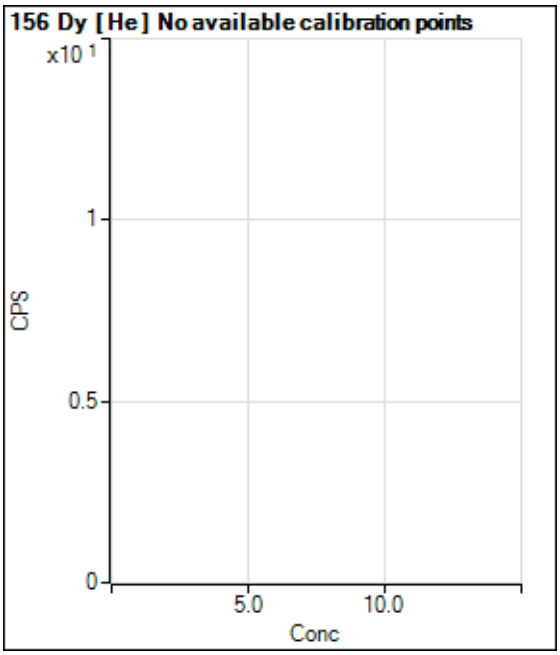
1	☐			22.22		P	17.
2	☐			25.55		P	27.
3	☐			70.00		P	9.5
4	☐			85.55		P	18.
5	☐			140.00		P	22.
6	☐			283.34		P	9.6
7	☐			530.02		P	14.
8	☐			907.82		P	3.6



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1	☐			13.33		P	25.
2	☐			23.33		P	62.
3	☐			84.44		P	11.
4	☐			193.34		P	19.
5	☐			388.90		P	5.5
6	☐			672.25		P	7.0
7	☐			1316.74		P	0.3
8	☐			751.14		P	5.3

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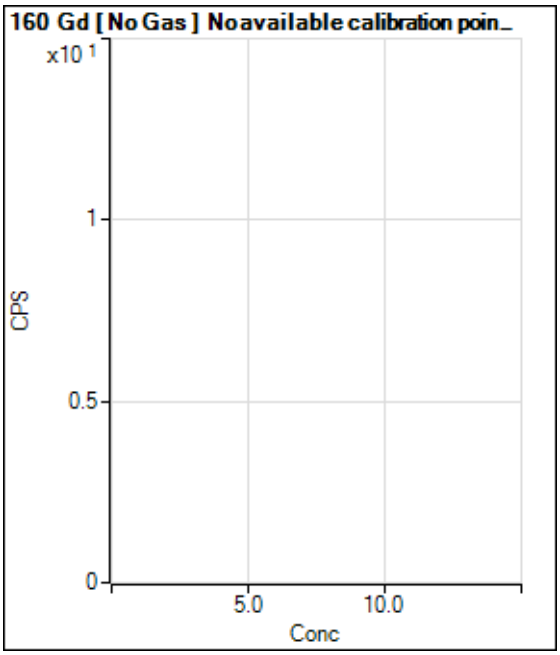
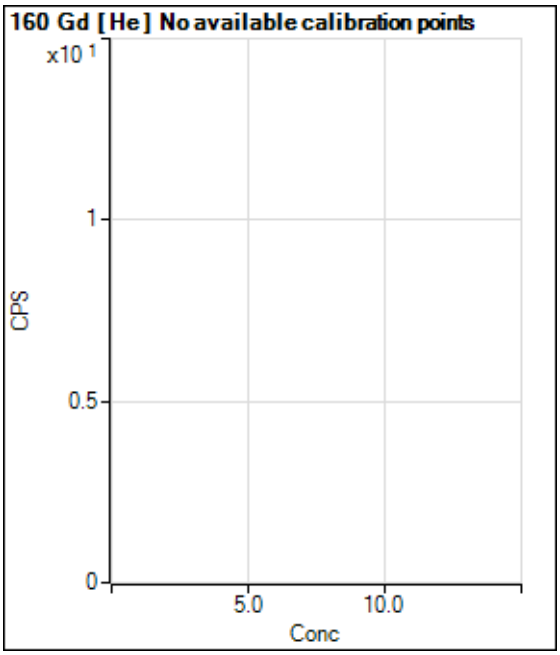


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			137.78		P	20.
2	☐			178.89		P	14.
3	☐			133.33		P	27.
4	☐			173.33		P	21.
5	☐			200.00		P	23.
6	☐			248.90		P	11.
7	☐			357.79		P	6.5
8	☐			1026.71		P	2.3



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			1205.62		P	4.2
2	☐			1285.63		P	10.
3	☐			1238.96		P	9.8
4	☐			1240.07		P	3.5
5	☐			1242.29		P	4.5
6	☐			1246.73		P	8.6
7	☐			1370.08		P	1.8
8	☐			1663.45		P	1.2

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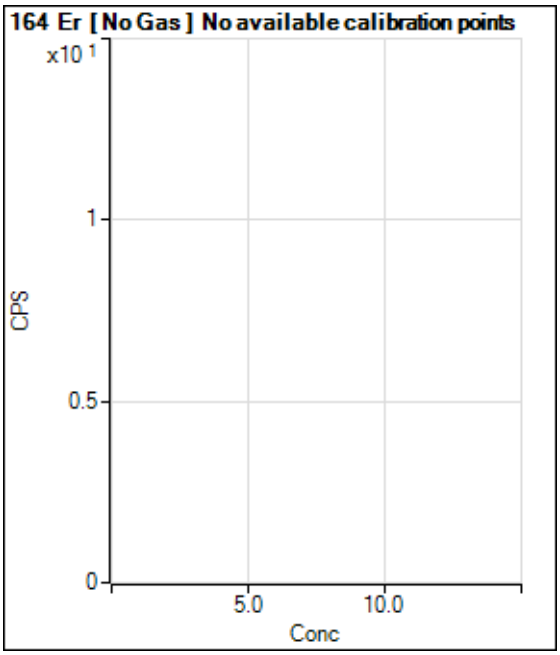

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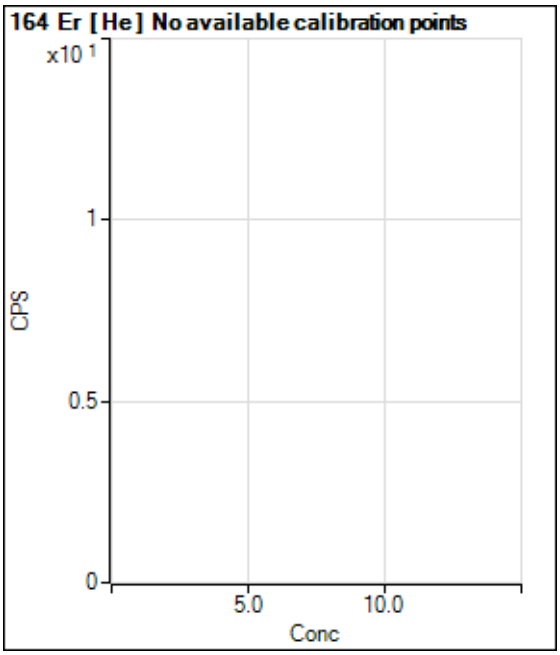
1	☐			138.89		P	17.
2	☐			151.11		P	9.2
3	☐			164.45		P	12.
4	☐			188.89		P	5.1
5	☐			235.56		P	24.
6	☐			274.45		P	4.6
7	☐			446.68		P	9.7
8	☐			1081.17		P	9.0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			106.67		P	10.
2	☐			105.56		P	12.
3	☐			110.00		P	28.
4	☐			114.45		P	26.
5	☐			135.56		P	12.
6	☐			188.89		P	16.
7	☐			297.79		P	6.8
8	☐			700.02		P	5.0

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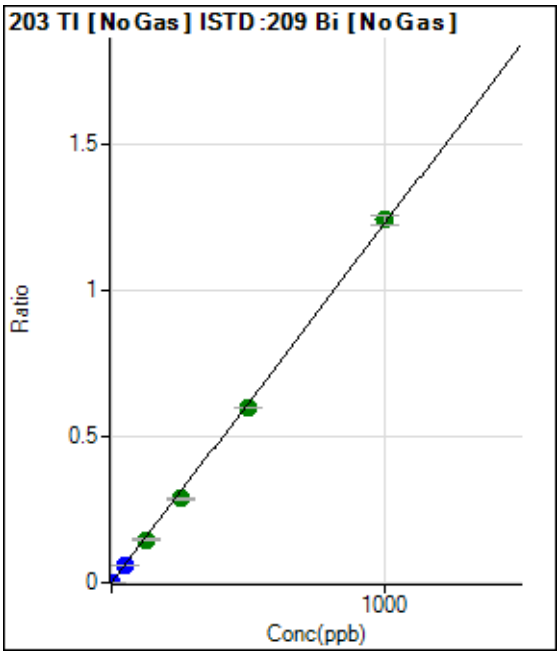
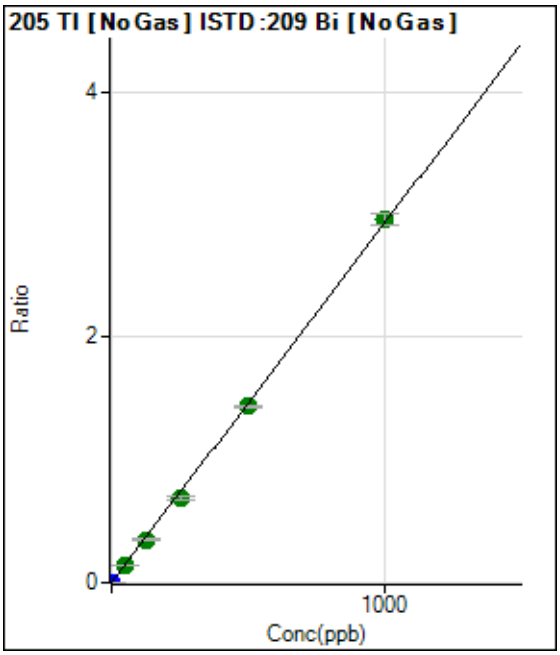


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	164.45	0.0000	P	23.
2	☐	1.000	0.915	22433.04	0.0011	P	0.4
3	☐	50.000	47.390	1155339.53	0.0582	P	0.2
4	☐	125.000	119.245	2970831.24	0.1466	A	4.2
5	☐	250.000	234.158	5804591.58	0.2878	A	2.9
6	☐	500.000	487.870	11610217.61	0.5996	A	0.3
7	☐	1000.000	1010.875	22926642.99	1.2423	A	2.7
8	☐			2518.07	0.0002	P	41.

y = 0.0012 * x + 8.3525E-006
R = 0.9998
DL = 0.004718
BEC = 0.006796

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	330.01	0.0000	P	13.
2	☐	1.000	0.910	53079.74	0.0027	P	1.3
3	☐	50.000	48.510	2816826.94	0.1420	A	1.0
4	☐	125.000	119.092	7066682.46	0.3486	A	4.9
5	☐	250.000	235.035	13876295.77	0.6880	A	4.3
6	☐	500.000	489.912	27770647.92	1.4341	A	0.7
7	☐	1000.000	1009.598	54535548.08	2.9554	A	3.2
8	☐			5815.92	0.0004	P	43.

y = 0.0029 * x + 1.6730E-005
R = 0.9998
DL = 0.00239
BEC = 0.005715

Weight: <None>
Min Conc: 0

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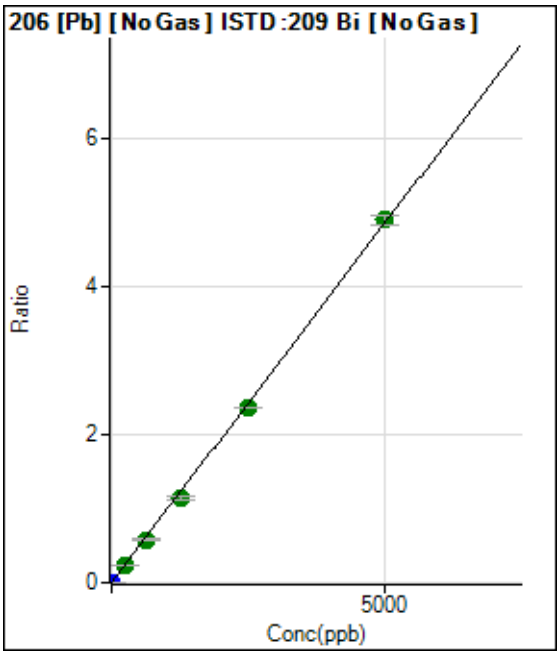
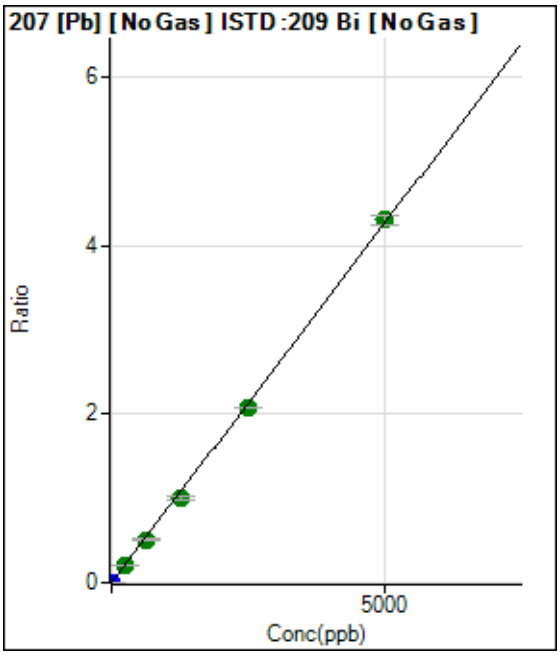


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	4138.44	0.0002	P	2.7
2	☐	1.000	0.799	19526.35	0.0010	P	1.9
3	☐	250.000	244.198	4709794.03	0.2375	A	1.8
4	☐	625.000	597.288	11767595.10	0.5805	A	4.8
5	☐	1250.000	1175.403	23035977.71	1.1422	A	4.1
6	☐	2500.000	2441.912	45943914.31	2.3727	A	0.3
7	☐	5000.000	5051.447	90570779.76	4.9080	A	2.9
8	☐			16121.21	0.0010	P	23.

y = 9.7156E-004 * x + 2.0984E-004
R = 0.9998
DL = 0.01759
BEC = 0.216

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3674.98	0.0002	P	2.1
2	☐	1.000	0.775	16762.69	0.0008	P	1.7
3	☐	250.000	244.879	4142527.40	0.2089	A	0.9
4	☐	625.000	599.159	10353520.12	0.5108	A	4.3
5	☐	1250.000	1179.684	20278003.59	1.0054	A	4.2
6	☐	2500.000	2441.199	40284556.62	2.0804	A	0.1
7	☐	5000.000	5050.466	79425817.15	4.3039	A	2.7
8	☐			13481.55	0.0008	P	24.

y = 8.5214E-004 * x + 1.8638E-004
R = 0.9998
DL = 0.014
BEC = 0.2187

Weight: <None>
Min Conc: 0

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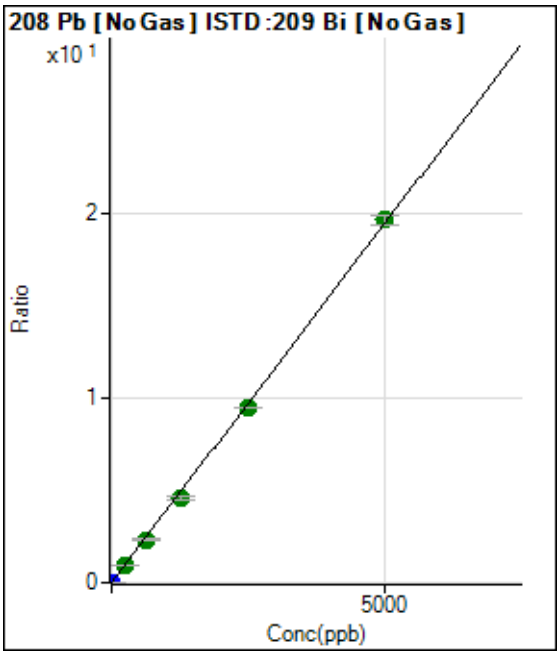
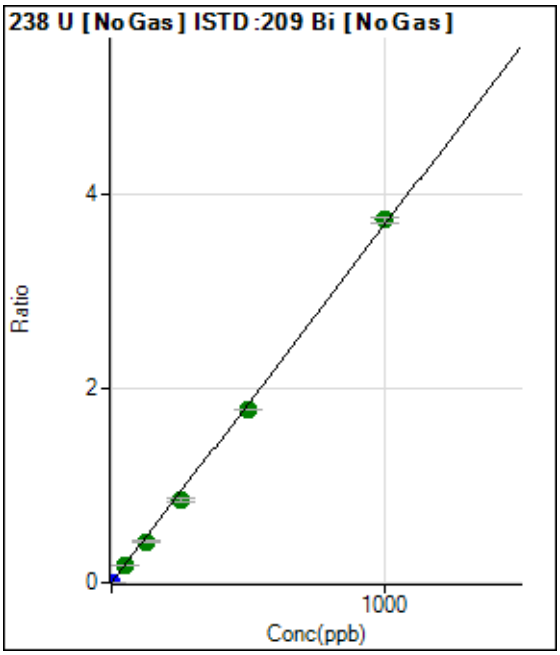


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	16499.62	0.0008	P	1.2
2	☐	1.000	0.787	77060.11	0.0039	P	0.9
3	☐	250.000	244.517	18854935.31	0.9506	A	1.1
4	☐	625.000	594.884	46859386.52	2.3116	A	4.4
5	☐	1250.000	1181.335	92564994.46	4.5896	A	4.0
6	☐	2500.000	2435.176	183180743.94	9.4599	A	0.3
7	☐	5000.000	5053.617	362296576.27	19.6309	A	2.4
8	☐			63387.61	0.0038	P	23.

y = 0.0039 * x + 8.3679E-004
R = 0.9998
DL = 0.007983
BEC = 0.2154

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	65.56	0.0000	P	38.
2	☐	1.000	0.850	62148.95	0.0031	P	0.7
3	☐	50.000	46.913	3434284.98	0.1731	A	0.4
4	☐	125.000	115.537	8644374.04	0.4264	A	3.9
5	☐	250.000	230.732	17174878.91	0.8516	A	4.3
6	☐	500.000	483.795	34575844.48	1.7856	A	0.4
7	☐	1000.000	1014.257	69094188.97	3.7434	A	1.8
8	☐			7373.49	0.0004	P	39.

y = 0.0037 * x + 3.3190E-006
R = 0.9996
DL = 0.001048
BEC = 0.0008993

Weight: <None>
Min Conc: 0

Reviewed By:Mohan
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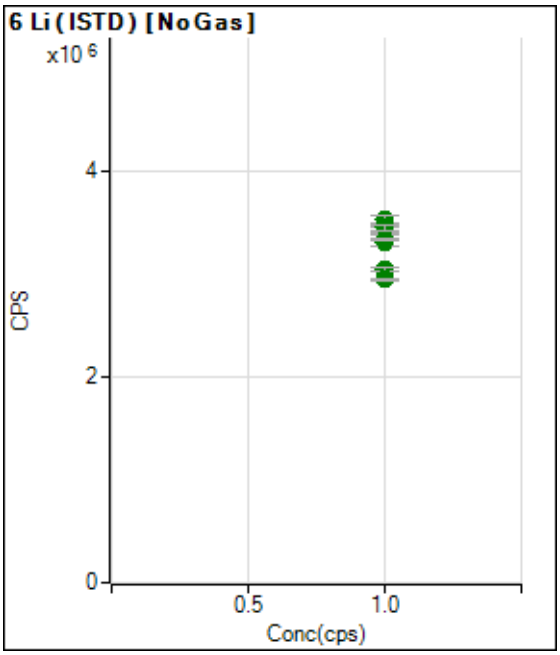

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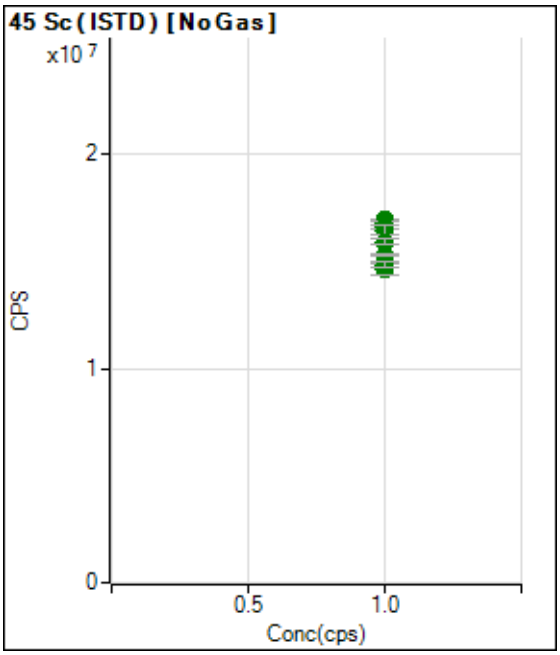
1	☐	1.000		3314276.78		A	2.4
2	☐	1.000		3403621.49		A	0.6
3	☐	1.000		3463103.95		A	0.4
4	☐	1.000		3532380.61		A	2.2
5	☐	1.000		3454496.66		A	1.7
6	☐	1.000		3337039.51		A	0.8
7	☐	1.000		3052555.74		A	1.8
8	☐	1.000		2951609.67		A	0.5



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		16947713.78		A	0.5
2	☐	1.000		16810245.58		A	1.1
3	☐	1.000		16622822.53		A	0.8
4	☐	1.000		16477689.06		A	2.6
5	☐	1.000		15935248.93		A	1.3
6	☐	1.000		15290381.02		A	0.7
7	☐	1.000		14653052.28		A	3.4
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Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
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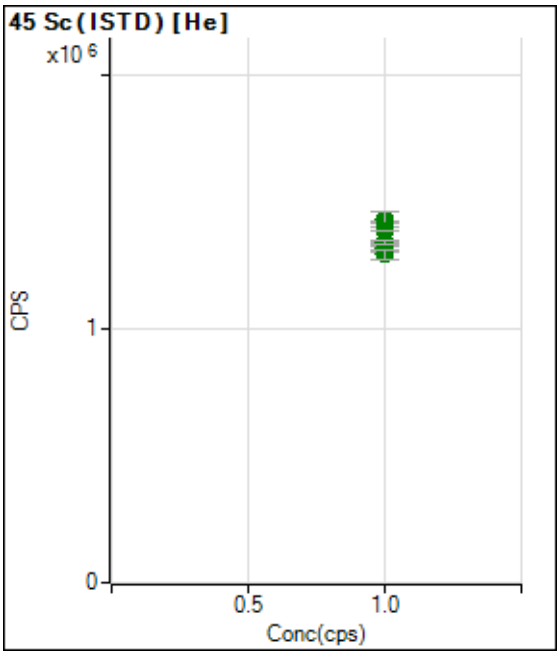

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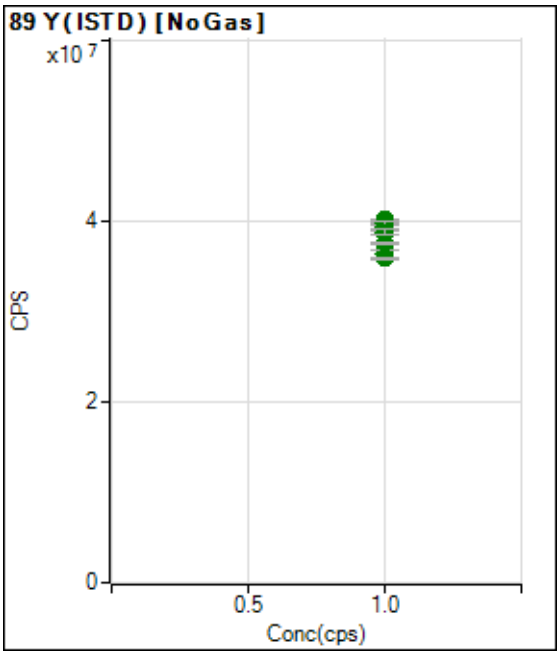
1	☐	1.000		1417914.15		A	0.7
2	☐	1.000		1428116.75		A	4.1
3	☐	1.000		1384796.07		A	0.3
4	☐	1.000		1335733.35		A	0.6
5	☐	1.000		1315813.37		A	1.2
6	☐	1.000		1312841.56		A	1.7
7	☐	1.000		1337043.02		A	1.1
8	☐	1.000		1292988.96		A	3.0



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1	☐	1.000		40014993.57		A	1.2
2	☐	1.000		40121427.46		A	0.6
3	☐	1.000		39806478.02		A	1.0
4	☐	1.000		39371959.14		A	2.8
5	☐	1.000		38801113.03		A	1.9
6	☐	1.000		37509347.50		A	1.0
7	☐	1.000		36277813.35		A	3.1
8	☐	1.000		35870898.63		A	0.5

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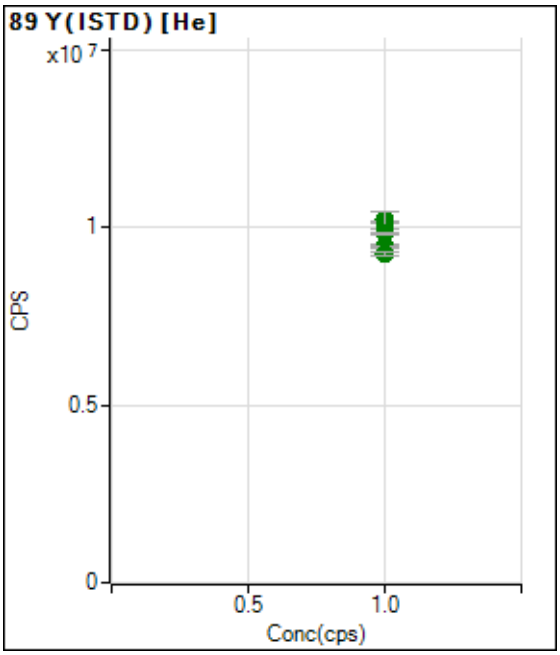

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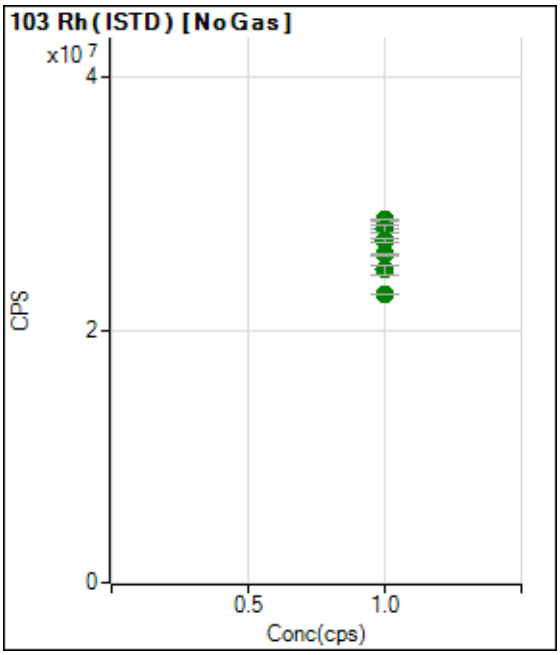
1	☐	1.000		10130242.00		A	0.8
2	☐	1.000		10198715.82		A	4.7
3	☐	1.000		9813928.81		A	0.9
4	☐	1.000		9486802.08		A	0.2
5	☐	1.000		9422055.90		A	0.8
6	☐	1.000		9427734.51		A	0.5
7	☐	1.000		9443596.39		A	0.5
8	☐	1.000		9230920.42		A	0.9



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1	☐	1.000		28649382.63		A	0.8
2	☐	1.000		28699403.46		A	0.5
3	☐	1.000		28039472.08		A	0.1
4	☐	1.000		27959495.14		A	2.0
5	☐	1.000		27058927.93		A	1.5
6	☐	1.000		25937463.22		A	0.9
7	☐	1.000		24740490.74		A	3.0
8	☐	1.000		22830992.16		A	0.5

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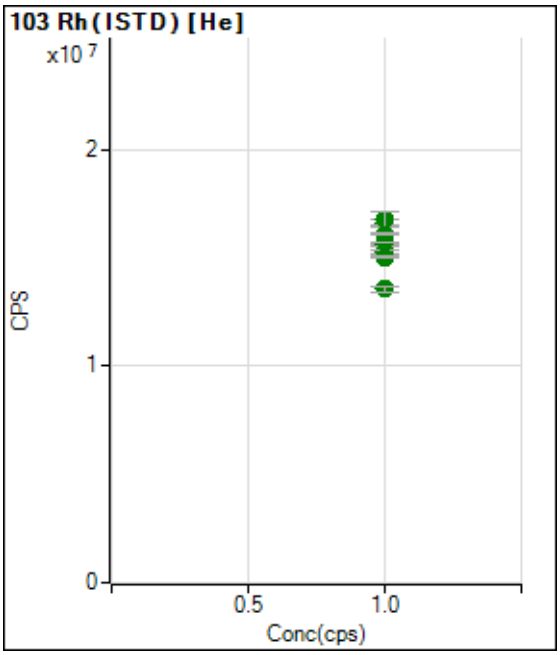

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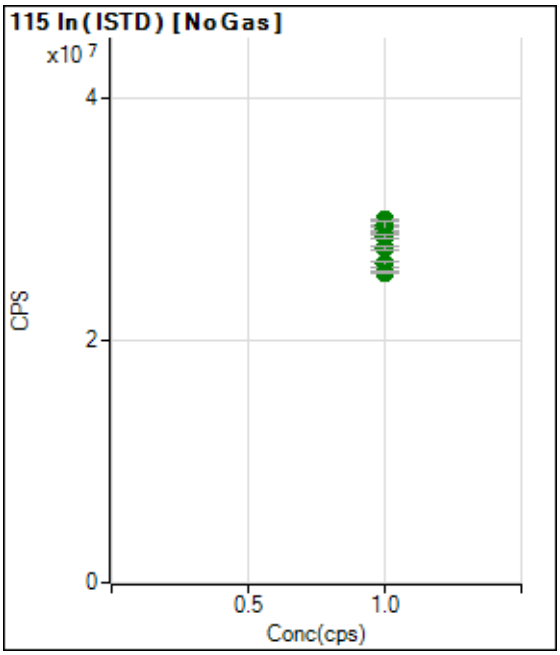
1	☐	1.000		16653129.06		A	1.3
2	☐	1.000		16761358.08		A	4.2
3	☐	1.000		16083237.96		A	0.5
4	☐	1.000		15669521.02		A	0.5
5	☐	1.000		15623441.99		A	0.7
6	☐	1.000		15321147.55		A	1.2
7	☐	1.000		15047989.50		A	0.3
8	☐	1.000		13575841.32		A	2.0



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1	☐	1.000		29442942.06		A	0.8
2	☐	1.000		29917319.62		A	0.6
3	☐	1.000		29119698.65		A	1.3
4	☐	1.000		29443151.32		A	3.0
5	☐	1.000		28528513.67		A	1.4
6	☐	1.000		27546416.82		A	1.2
7	☐	1.000		26278888.62		A	1.8
8	☐	1.000		25583322.75		A	0.7

Reviewed By:Mohan
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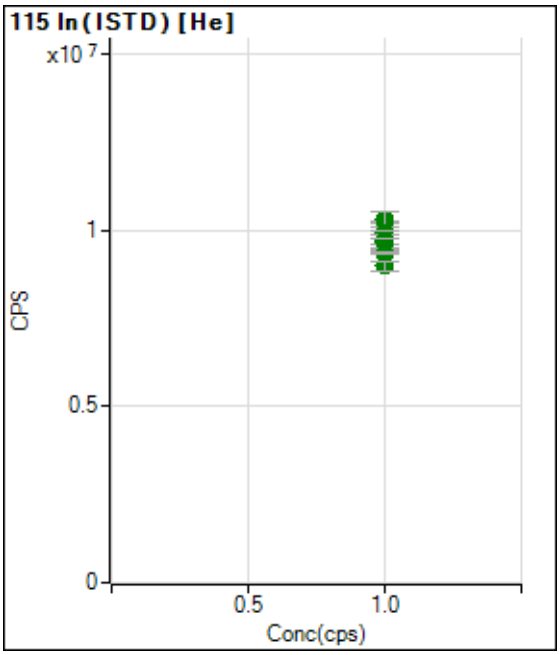

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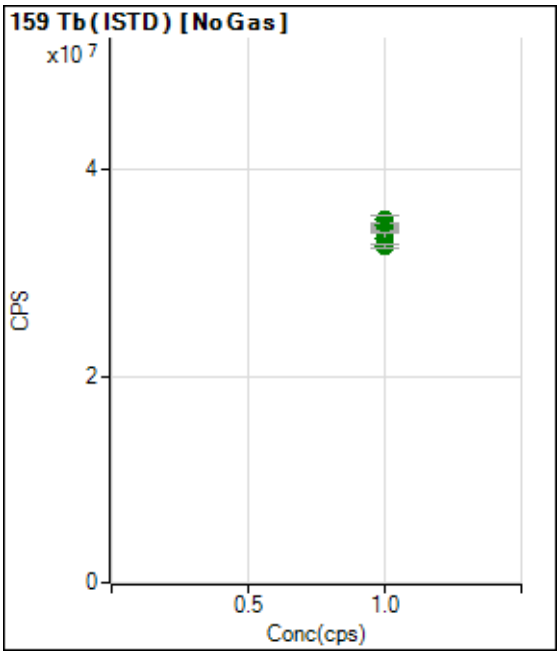
1	☐	1.000		10204871.62		A	0.6
2	☐	1.000		10289103.43		A	4.1
3	☐	1.000		9923208.01		A	0.8
4	☐	1.000		9693924.92		A	1.7
5	☐	1.000		9671017.49		A	1.4
6	☐	1.000		9465617.22		A	0.8
7	☐	1.000		9345934.71		A	0.2
8	☐	1.000		8971539.20		A	2.5



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1	☐	1.000		34526045.32		A	0.4
2	☐	1.000		34615325.04		A	1.6
3	☐	1.000		34524238.37		A	1.0
4	☐	1.000		35151332.53		A	2.0
5	☐	1.000		34611016.98		A	1.0
6	☐	1.000		34097666.44		A	0.3
7	☐	1.000		33374359.78		A	3.1
8	☐	1.000		32608351.74		A	1.4

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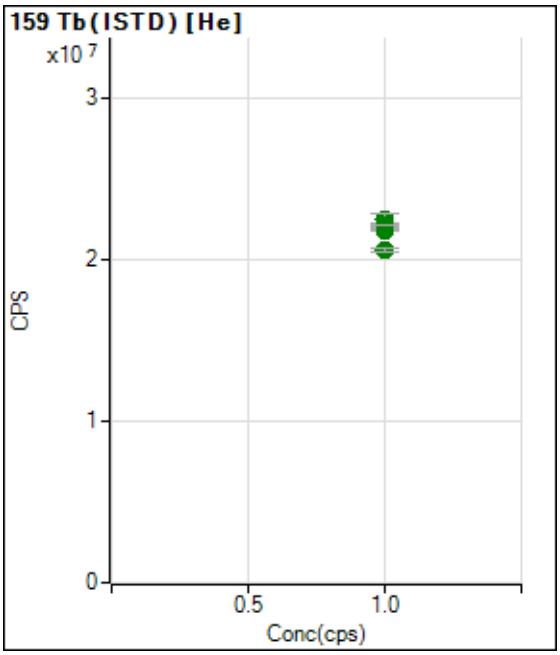
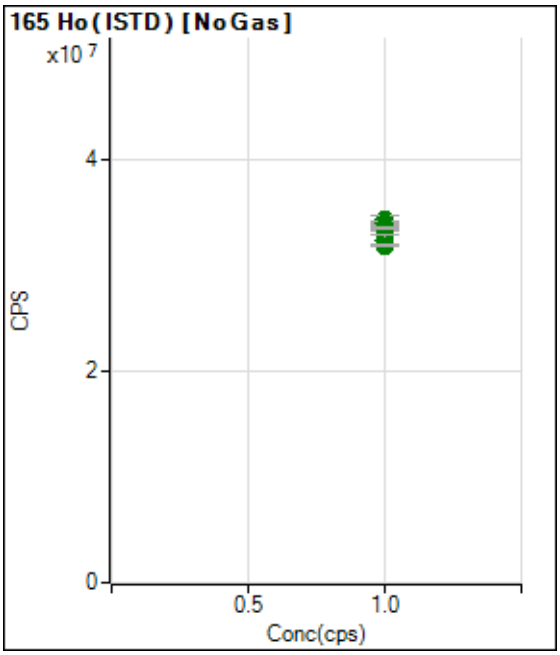


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		21854712.18		A	0.5
2	☐	1.000		22498006.61		A	3.9
3	☐	1.000		22137519.39		A	0.3
4	☐	1.000		21931485.78		A	0.4
5	☐	1.000		22187522.44		A	1.5
6	☐	1.000		22190989.95		A	0.3
7	☐	1.000		22226109.11		A	0.1
8	☐	1.000		20655795.25		A	1.0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		33510796.72		A	0.5
2	☐	1.000		33648633.94		A	0.5
3	☐	1.000		33478783.39		A	0.6
4	☐	1.000		34355249.49		A	2.2
5	☐	1.000		34052345.60		A	1.3
6	☐	1.000		33658227.83		A	0.6
7	☐	1.000		32501771.74		A	2.4
8	☐	1.000		31952993.41		A	0.7

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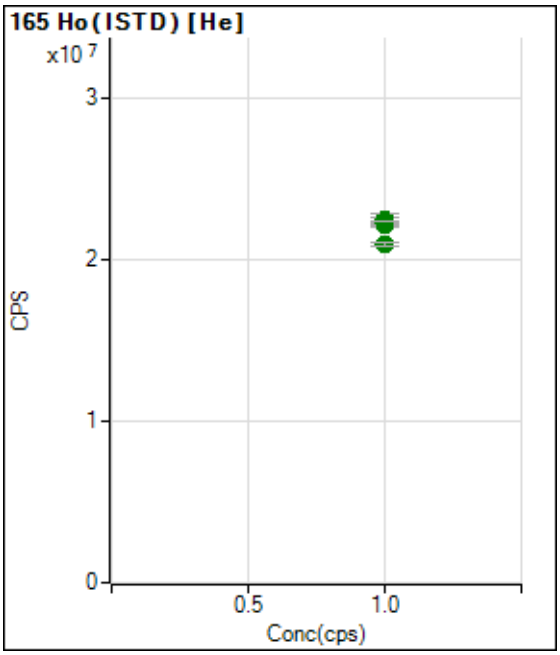

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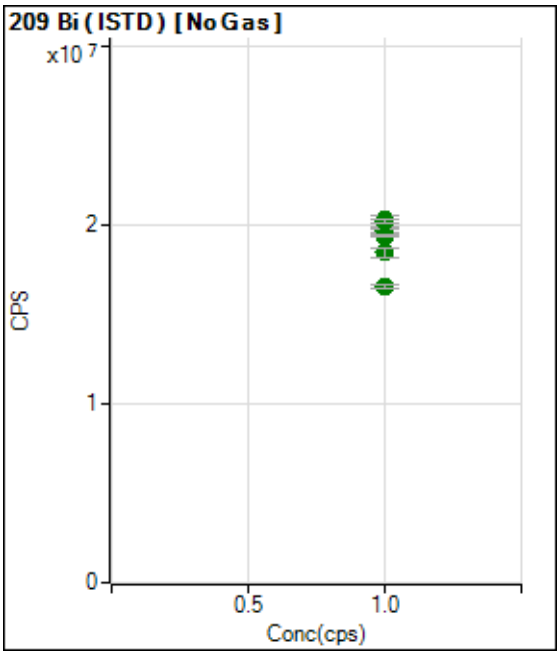
1	☐	1.000		22114960.50		A	0.5
2	☐	1.000		22427098.00		A	3.9
3	☐	1.000		22098007.17		A	0.7
4	☐	1.000		22050781.89		A	0.4
5	☐	1.000		22363923.55		A	1.5
6	☐	1.000		22257621.33		A	0.8
7	☐	1.000		22352269.11		A	0.4
8	☐	1.000		20929197.33		A	1.3



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1	☐	1.000		19717774.15		A	1.2
2	☐	1.000		19793841.93		A	0.3
3	☐	1.000		19834265.95		A	0.2
4	☐	1.000		20282549.42		A	2.1
5	☐	1.000		20174451.78		A	1.1
6	☐	1.000		19363678.74		A	0.5
7	☐	1.000		18463629.03		A	2.8
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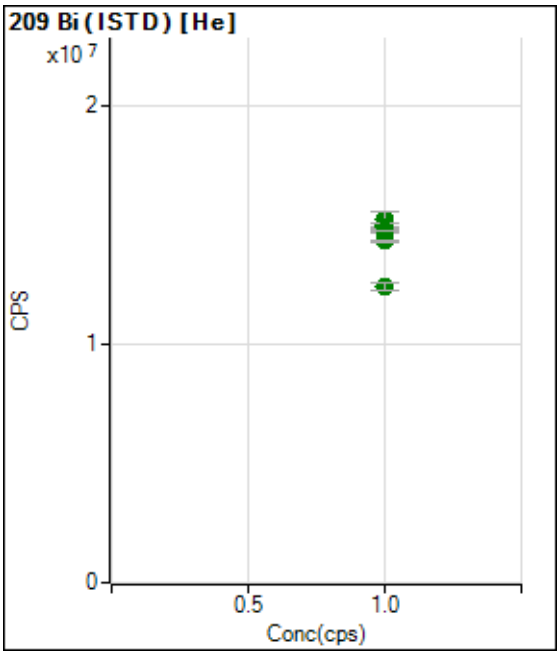

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1	☐	1.000		14990342.28		A	0.9
2	☐	1.000		15211025.88		A	4.2
3	☐	1.000		14928565.33		A	0.4
4	☐	1.000		14743359.22		A	1.0
5	☐	1.000		14931479.22		A	1.7
6	☐	1.000		14732120.75		A	0.0
7	☐	1.000		14326238.12		A	0.5
8	☐	1.000		12428600.23		A	2.3

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7
ClientSampleId :TUNE001

US EPA Tune Check Report

Operator Name	Jaswal
Acq/Data Batch	D:\Agilent\ICPMH\1\DATA\P7111724 MS.b
Acq. Date-Time	2024-11-18 03:52:08
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		33754	337540.00			2.565	5.000
24		202270	2022696.87			2.640	5.000
25		23624	236236.57			2.701	5.000
26		27000	270000.94			2.401	5.000
59		246529	2465289.82			2.873	5.000
113		30985	309854.45			2.834	5.000
115		391576	3915756.74			3.029	5.000
206		72441	724405.43			2.516	5.000
207		63207	632068.01			2.938	5.000
208		154062	1540619.95			2.240	5.000
220		0	4.20			33.249	

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

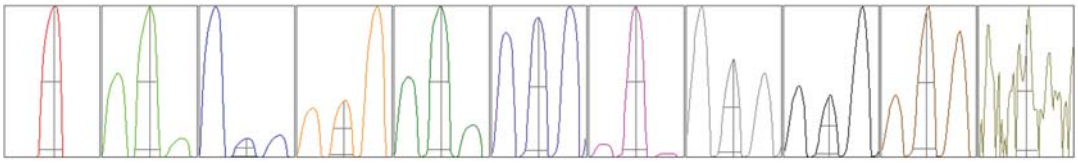
Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	34198	34161	32211	34186	34014
24	203861	204493	192846	206084	204064
25	23805	23876	22490	23970	23977
26	27238	27230	25845	27377	27310
59	251714	247254	234186	250095	249396
113	31666	31377	29449	31241	31193
115	402915	396543	371545	392607	394268
206	74051	73006	69295	72989	72862
207	64714	63843	59991	64060	63427
208	156678	156774	148439	155150	153268

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	1

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	59469.40	9.10	8.90 - 9.10	
24	349607.73	24.05	23.90 - 24.10	
25	42089.78	25.00	24.90 - 25.10	
26	48695.51	26.00	25.90 - 26.10	
59	427283.98	59.00	58.90 - 59.10	
113	59385.32	113.00	112.90 - 113.10	
115	748823.70	115.00	114.90 - 115.10	
206	150351.54	206.00	205.90 - 206.10	
207	128068.58	206.95	206.90 - 207.10	
208	308218.87	207.95	207.90 - 208.10	
220	0.70	220.05	-	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.59	0.737	0.900	
24	0.62	0.781	0.900	
25	0.59	0.748	0.900	
26	0.58	0.745	0.900	
59	0.60	0.739	0.900	
113	0.53	0.729	0.900	
115	0.53	0.769	0.900	
206	0.51	0.729	0.900	
207	0.50	0.731	0.900	
208	0.51	0.742	0.900	
220	0.48	0.690		

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

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.82 L/min	Dilution Gas	0.40 L/min

US EPA Tune Check Report

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

Lens Parameters

Extract 1	0.0 V	Omega Lens	7.4 V	Deflect	15.8 V
Extract 2	-140.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-65 V	Cell Exit	-50 V		

Cell Parameters

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

QP Parameters

Mass Gain	136	Axis Gain	0.9973	QP Bias	-3.0 V
Mass Offset	130	Axis Offset	0.17		

Hardware Settings

Torch

Torch H	0.0 mm	Torch V	0.5 mm		

EM

Discriminator	4.6 mV	Analog HV	2221 V	Pulse HV	973 V

[He]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
59		80695	806945.90			0.349	
89		120487	1204870.22			0.610	
205		73110	731102.49			0.975	

Mass	RSD% (Flag)
59	
89	
205	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
59	80686	81175	80453	80561	80599
89	120809	120741	121267	120292	119326
205	74021	73734	72476	72602	72718

Integration Time [sec] 0.1

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.82 L/min	Dilution Gas	0.40 L/min
RF Power	1600 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	9.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	8.5 V	Deflect	3.6 V

US EPA Tune Check Report

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7
ClientSampleId :TUNE001

Extract 2	-155.0 V	Cell Entrance	-40 V	Plate Bias	-60
Omega Bias	-80 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	136	Axis Gain	0.9973	QP Bias	-13.0 V
Mass Offset	130	Axis Offset	0.17		

Hardware Settings

Torch

Torch H	0.0 mm	Torch V	0.5 mm		

EM

Discriminator	4.6 mV	Analog HV	2221 V	Pulse HV	973 V

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 04:31:53	DataFile Name :	004CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.02	0.12	-0.14	0.00	N/A	ppb
Antimony	121-1	0.00	0.00	0.00	0.00	N/A	ppb
Arsenic	75-2	-0.01	0.00	0.00	0.00	N/A	ppb
Barium	135-1	0.00	0.00	0.00	0.00	N/A	ppb
Barium	137-1	0.00	0.00	0.00	0.00	N/A	ppb
Beryllium	9-1	0.00	0.00	0.00	0.00	N/A	ppb
Bismuth	209-1				100		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.02	0.01	-0.03	0.00	N/A	ppb
Cadmium	106-1	0.73	-0.60	-0.13	0.00	N/A	ppb
Cadmium	111-1	0.05	-0.04	-0.01	0.00	N/A	ppb
Calcium	43-1	-1.46	-0.61	2.07	0.00	N/A	ppb
Calcium	44-1	0.23	0.06	-0.28	0.00	N/A	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.00	0.00	0.00	0.00	N/A	ppb
Cobalt	59-2	0.00	0.00	0.00	0.00	N/A	ppb
Copper	63-2	0.00	0.00	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	0.03	0.00	-0.03	0.00	N/A	ppb
Iron	57-2	0.04	-0.26	0.22	0.00	N/A	ppb
Iron	54-2	0.12	0.17	-0.29	0.00	N/A	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 04:31:53	DataFile Name :	004CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.01	-0.01	0.00	0.00	N/A	ppb
Lead	207-1	0.00	0.00	0.01	0.00	N/A	ppb
Lead	208-1	0.00	0.00	0.00	0.00	N/A	ppb
Lithium	6-1				100		%
Magnesium	24-2	0.02	-0.02	-0.01	0.00	N/A	ppb
Manganese	55-2	-0.01	0.01	0.00	0.00	N/A	ppb
Molybdenum	94-1	-0.01	0.01	-0.01	0.00	N/A	ppb
Molybdenum	95-1	0.00	0.00	0.00	0.00	N/A	ppb
Molybdenum	96-1	0.00	0.00	0.00	0.00	N/A	ppb
Molybdenum	97-1	0.00	0.00	0.00	0.00	N/A	ppb
Molybdenum	98-1	0.00	0.00	0.00	0.00	N/A	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.00	0.01	-0.01	0.00	N/A	ppb
Phosphorus	31-2	-14.50	-14.83	-16.31	-15.22		ppb
Potassium	39-2	-0.32	0.29	0.02	0.00	N/A	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	82-1	0.08	-0.03	-0.05	0.00	N/A	ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	0.33	0.05	-0.38	0.00	N/A	ppb
Silicon	28-1	0.32	-0.24	-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	0.24	-0.24	0.00	0.00	N/A	ppb
Strontium	86-1	0.01	-0.07	0.06	0.00	N/A	ppb
Strontium	88-1	0.02	-0.01	-0.01	0.00	N/A	ppb
Sulfur	34-1	-38.39	-84.73	-75.78	-66.30		ppb
Terbium	159-1				100		%
Terbium	159-2				100		%
Thallium	203-1	0.00	0.00	0.00	0.00	N/A	ppb
Thallium	205-1	0.00	0.00	0.00	0.00	N/A	ppb
Tin	118-1	0.00	0.00	0.01	0.00	N/A	ppb
Titanium	47-1	0.00	0.02	-0.01	0.00	N/A	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 04:31:53	DataFile Name :	004CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	N/A	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	N/A	ppb
Yttrium	89-1				100		%
Yttrium	89-2				100		%
Zinc	66-2	0.01	-0.03	0.02	0.00	N/A	ppb
Zirconium	90-1	0.00	0.00	0.00	0.00	N/A	ppb
Zirconium	91-1	0.00	0.00	0.00	0.00	N/A	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P7
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 04:38:22	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	18.18	18.93	17.12	18.08	5.02	ppb
Antimony	121-1	1.97	2.01	1.97	1.98	1.21	ppb
Arsenic	75-2	0.98	1.14	1.09	1.07	7.79	ppb
Barium	135-1	9.68	9.82	9.58	9.69	1.21	ppb
Barium	137-1	9.67	9.94	9.45	9.69	2.52	ppb
Beryllium	9-1	0.92	1.00	1.11	1.01	9.33	ppb
Bismuth	209-1				100		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.96	1.12	0.88	0.99	12.09	ppb
Cadmium	106-1	2.39	1.95	1.41	1.92	25.53	ppb
Cadmium	111-1	1.19	1.18	1.07	1.14	6.05	ppb
Calcium	43-1	514.29	517.48	509.39	513.72	0.79	ppb
Calcium	44-1	520.18	521.05	515.14	518.79	0.61	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.05	2.10	1.91	2.02	4.87	ppb
Cobalt	59-2	1.07	1.07	1.02	1.05	2.49	ppb
Copper	63-2	1.98	2.04	1.85	1.96	4.99	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				100		%
Holmium	165-2				101		%
Indium	115-1				102		%
Indium	115-2				101		%
Iron	56-2	53.26	54.91	50.61	52.93	4.09	ppb
Iron	57-2	58.17	58.04	51.16	55.79	7.18	ppb
Iron	54-2	54.41	57.84	51.96	54.74	5.40	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P7
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 04:38:22	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.78	0.81	0.81	0.80	2.37	ppb
Lead	207-1	0.78	0.76	0.79	0.78	2.22	ppb
Lead	208-1	0.78	0.80	0.78	0.79	1.15	ppb
Lithium	6-1				103		%
Magnesium	24-2	483.75	494.75	456.72	478.40	4.09	ppb
Manganese	55-2	1.05	1.10	1.03	1.06	3.54	ppb
Molybdenum	94-1	5.46	5.50	5.44	5.47	0.51	ppb
Molybdenum	95-1	4.61	4.63	4.58	4.61	0.53	ppb
Molybdenum	96-1	4.64	4.72	4.65	4.67	0.90	ppb
Molybdenum	97-1	4.62	4.72	4.60	4.65	1.42	ppb
Molybdenum	98-1	4.60	4.69	4.65	4.65	0.98	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.00	0.95	0.85	0.93	8.45	ppb
Phosphorus	31-2	16.58	15.85	13.21	15.22	11.65	ppb
Potassium	39-2	506.68	523.78	477.14	502.53	4.70	ppb
Rhodium	103-1				100		%
Rhodium	103-2				101		%
Scandium	45-1				99		%
Scandium	45-2				101		%
Selenium	82-1	5.63	5.36	5.15	5.38	4.42	ppb
Selenium	77-2	4.36	6.28	5.19	5.28	18.19	ppb
Selenium	78-2	4.11	5.27	3.91	4.43	16.63	ppb
Silicon	28-1	2.18	0.89	1.25	1.44	46.12	ppb
Silver	107-1	0.99	1.04	1.02	1.02	2.03	ppb
Silver	109-1	1.03	1.05	1.00	1.03	2.45	ppb
Sodium	23-2	478.90	490.02	450.52	473.15	4.30	ppb
Strontium	86-1	24.72	24.34	23.98	24.35	1.52	ppb
Strontium	88-1	23.95	23.62	23.51	23.69	0.98	ppb
Sulfur	34-1	89.95	69.82	39.13	66.30	38.61	ppb
Terbium	159-1				100		%
Terbium	159-2				103		%
Thallium	203-1	0.92	0.91	0.91	0.92	0.39	ppb
Thallium	205-1	0.91	0.92	0.90	0.91	1.35	ppb
Tin	118-1	5.05	5.09	4.92	5.02	1.73	ppb
Titanium	47-1	4.86	4.87	4.68	4.80	2.26	ppb

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On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P7
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 04:38:22	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.85	0.86	0.84	0.85	0.75	ppb
Vanadium	51-2	4.98	5.04	4.66	4.89	4.20	ppb
Yttrium	89-1				100		%
Yttrium	89-2				101		%
Zinc	66-2	4.68	4.77	4.19	4.55	6.89	ppb
Zirconium	90-1	0.94	0.94	0.94	0.94	0.08	ppb
Zirconium	91-1	0.94	0.93	0.94	0.94	0.36	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P7
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 04:41:36	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	990.15	992.78	993.16	992.03	0.17	ppb
Antimony	121-1	49.71	50.41	50.79	50.30	1.09	ppb
Arsenic	75-2	52.74	52.84	53.55	53.04	0.83	ppb
Barium	135-1	256.78	254.44	263.17	258.13	1.75	ppb
Barium	137-1	253.20	251.47	256.99	253.88	1.11	ppb
Beryllium	9-1	47.55	48.11	47.61	47.76	0.65	ppb
Bismuth	209-1				101		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	53.46	54.81	55.69	54.65	2.06	ppb
Cadmium	106-1	54.57	54.62	55.20	54.79	0.64	ppb
Cadmium	111-1	52.57	52.78	53.97	53.11	1.42	ppb
Calcium	43-1	5259.10	5332.81	5331.71	5307.87	0.80	ppb
Calcium	44-1	5213.52	5311.46	5211.73	5245.57	1.09	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	51.14	50.86	51.33	51.11	0.46	ppb
Cobalt	59-2	52.00	51.66	51.74	51.80	0.34	ppb
Copper	63-2	544.00	537.81	543.83	541.88	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				100		%
Holmium	165-2				100		%
Indium	115-1				99		%
Indium	115-2				97		%
Iron	56-2	2672.70	2691.04	2714.63	2692.79	0.78	ppb
Iron	57-2	2717.93	2705.27	2709.42	2710.87	0.24	ppb
Iron	54-2	2710.37	2686.92	2707.54	2701.61	0.47	ppb
Krypton	83-1						cps

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On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P7
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 04:41:36	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	241.99	241.32	249.29	244.20	1.81	ppb
Lead	207-1	242.35	245.51	246.77	244.88	0.93	ppb
Lead	208-1	242.06	244.12	247.37	244.52	1.10	ppb
Lithium	6-1				104		%
Magnesium	24-2	5346.30	5351.49	5371.00	5356.27	0.24	ppb
Manganese	55-2	521.75	526.48	534.62	527.61	1.23	ppb
Molybdenum	94-1	488.52	497.03	499.48	495.01	1.16	ppb
Molybdenum	95-1	494.18	495.69	502.84	497.57	0.93	ppb
Molybdenum	96-1	495.36	492.76	497.62	495.25	0.49	ppb
Molybdenum	97-1	492.03	491.60	494.55	492.72	0.32	ppb
Molybdenum	98-1	491.10	502.59	491.76	495.15	1.30	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	53.08	52.39	52.33	52.60	0.80	ppb
Phosphorus	31-2	1078.15	1036.38	1055.96	1056.83	1.98	ppb
Potassium	39-2	2624.64	2651.93	2602.33	2626.30	0.95	ppb
Rhodium	103-1				98		%
Rhodium	103-2				97		%
Scandium	45-1				98		%
Scandium	45-2				98		%
Selenium	82-1	50.22	51.92	51.57	51.24	1.75	ppb
Selenium	77-2	48.59	52.93	52.79	51.44	4.80	ppb
Selenium	78-2	52.98	52.35	54.54	53.29	2.12	ppb
Silicon	28-1	51.30	52.10	52.07	51.82	0.88	ppb
Silver	107-1	54.98	53.20	54.54	54.24	1.71	ppb
Silver	109-1	54.57	55.47	54.84	54.96	0.84	ppb
Sodium	23-2	5438.17	5383.66	5414.62	5412.15	0.51	ppb
Strontium	86-1	1201.34	1228.21	1225.24	1218.26	1.21	ppb
Strontium	88-1	1250.46	1250.06	1262.13	1254.22	0.55	ppb
Sulfur	34-1	909.78	989.03	948.24	949.02	4.18	ppb
Terbium	159-1				100		%
Terbium	159-2				101		%
Thallium	203-1	47.43	47.44	47.30	47.39	0.16	ppb
Thallium	205-1	48.17	48.31	49.05	48.51	0.98	ppb
Tin	118-1	50.05	51.24	51.96	51.08	1.89	ppb
Titanium	47-1	496.43	504.91	495.17	498.83	1.06	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P7
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 04:41:36	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	46.72	47.00	47.02	46.91	0.36	ppb
Vanadium	51-2	50.61	50.33	50.54	50.49	0.29	ppb
Yttrium	89-1				99		%
Yttrium	89-2				97		%
Zinc	66-2	535.22	525.15	531.82	530.73	0.96	ppb
Zirconium	90-1	49.39	50.42	49.57	49.79	1.10	ppb
Zirconium	91-1	47.41	48.71	48.23	48.12	1.37	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P7
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 04:44:28	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2734.01	2607.49	2571.12	2637.54	3.24	ppb
Antimony	121-1	120.60	123.05	129.54	124.39	3.71	ppb
Arsenic	75-2	136.37	132.15	132.26	133.59	1.80	ppb
Barium	135-1	594.49	617.06	650.75	620.76	4.56	ppb
Barium	137-1	582.66	609.11	643.17	611.65	4.96	ppb
Beryllium	9-1	107.76	115.75	119.59	114.36	5.28	ppb
Bismuth	209-1				103		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	125.29	127.04	133.80	128.71	3.49	ppb
Cadmium	106-1	126.19	128.02	135.45	129.89	3.78	ppb
Cadmium	111-1	121.99	125.36	130.95	126.10	3.59	ppb
Calcium	43-1	12207.90	12662.53	13239.71	12703.38	4.07	ppb
Calcium	44-1	12256.19	12560.45	12990.28	12602.31	2.93	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	133.08	132.03	128.96	131.36	1.63	ppb
Cobalt	59-2	137.83	138.56	138.13	138.17	0.27	ppb
Copper	63-2	1357.41	1372.57	1371.80	1367.26	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				103		%
Holmium	165-2				100		%
Indium	115-1				100		%
Indium	115-2				95		%
Iron	56-2	6963.06	6756.91	6973.06	6897.68	1.77	ppb
Iron	57-2	6942.15	6794.03	6937.86	6891.35	1.22	ppb
Iron	54-2	7118.63	6899.03	6742.51	6920.06	2.73	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P7
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 04:44:28	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	565.54	605.38	620.94	597.29	4.78	ppb
Lead	207-1	573.63	599.09	624.75	599.16	4.27	ppb
Lead	208-1	566.64	599.65	618.37	594.88	4.40	ppb
Lithium	6-1				107		%
Magnesium	24-2	13651.71	13513.50	13107.64	13424.28	2.11	ppb
Manganese	55-2	1374.22	1324.42	1321.02	1339.88	2.22	ppb
Molybdenum	94-1	1163.10	1216.34	1269.19	1216.21	4.36	ppb
Molybdenum	95-1	1158.72	1223.77	1272.66	1218.38	4.69	ppb
Molybdenum	96-1	1151.92	1222.40	1272.40	1215.57	4.98	ppb
Molybdenum	97-1	1148.33	1216.81	1261.91	1209.02	4.73	ppb
Molybdenum	98-1	1151.71	1221.30	1275.61	1216.21	5.11	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	139.98	143.03	138.96	140.65	1.51	ppb
Phosphorus	31-2	2725.55	2708.34	2734.05	2722.64	0.48	ppb
Potassium	39-2	6595.68	6678.81	6571.58	6615.35	0.85	ppb
Rhodium	103-1				98		%
Rhodium	103-2				94		%
Scandium	45-1				97		%
Scandium	45-2				94		%
Selenium	82-1	120.08	125.53	130.78	125.46	4.27	ppb
Selenium	77-2	134.85	139.14	136.01	136.66	1.62	ppb
Selenium	78-2	136.14	137.66	132.20	135.33	2.08	ppb
Silicon	28-1	110.31	116.59	124.51	117.14	6.07	ppb
Silver	107-1	126.81	130.05	132.53	129.80	2.21	ppb
Silver	109-1	126.16	127.43	134.78	129.46	3.60	ppb
Sodium	23-2	13611.64	13635.21	13441.64	13562.83	0.78	ppb
Strontium	86-1	2821.00	2970.23	3098.79	2963.34	4.69	ppb
Strontium	88-1	2906.66	3040.64	3156.82	3034.71	4.13	ppb
Sulfur	34-1	2010.70	2107.82	2305.59	2141.37	7.02	ppb
Terbium	159-1				102		%
Terbium	159-2				100		%
Thallium	203-1	114.60	118.57	124.56	119.24	4.20	ppb
Thallium	205-1	113.20	119.26	124.82	119.09	4.88	ppb
Tin	118-1	119.89	123.95	128.93	124.26	3.64	ppb
Titanium	47-1	1169.16	1202.42	1264.87	1212.15	4.01	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P7
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 04:44:28	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	111.46	114.74	120.41	115.54	3.92	ppb
Vanadium	51-2	127.22	127.56	125.69	126.82	0.79	ppb
Yttrium	89-1				98		%
Yttrium	89-2				94		%
Zinc	66-2	1344.92	1344.97	1347.21	1345.70	0.10	ppb
Zirconium	90-1	115.63	121.10	125.43	120.72	4.07	ppb
Zirconium	91-1	112.64	118.00	123.52	118.06	4.61	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P7
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 04:47:12	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	5221.33	5320.29	5145.29	5228.97	1.68	ppb
Antimony	121-1	239.08	250.08	251.56	246.91	2.76	ppb
Arsenic	75-2	261.98	264.94	262.13	263.02	0.63	ppb
Barium	135-1	1200.49	1250.11	1256.33	1235.64	2.48	ppb
Barium	137-1	1183.52	1238.56	1272.06	1231.38	3.63	ppb
Beryllium	9-1	216.31	235.38	228.31	226.66	4.25	ppb
Bismuth	209-1				102		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	246.70	260.81	261.19	256.23	3.22	ppb
Cadmium	106-1	245.94	257.89	259.93	254.59	2.97	ppb
Cadmium	111-1	242.43	256.06	260.08	252.86	3.66	ppb
Calcium	43-1	24305.65	25688.90	25789.69	25261.41	3.28	ppb
Calcium	44-1	23973.16	25547.99	25546.99	25022.71	3.63	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	259.86	270.67	265.08	265.20	2.04	ppb
Cobalt	59-2	264.32	267.49	264.20	265.34	0.70	ppb
Copper	63-2	2695.96	2743.66	2660.25	2699.96	1.55	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				101		%
Indium	115-1				97		%
Indium	115-2				95		%
Iron	56-2	13491.67	13647.35	13516.30	13551.77	0.62	ppb
Iron	57-2	13453.41	13573.79	13679.82	13569.00	0.83	ppb
Iron	54-2	13602.23	13905.02	13629.44	13712.23	1.22	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P7
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 04:47:12	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1120.00	1200.50	1205.71	1175.40	4.09	ppb
Lead	207-1	1122.80	1208.86	1207.40	1179.68	4.18	ppb
Lead	208-1	1126.34	1210.11	1207.55	1181.33	4.03	ppb
Lithium	6-1				104		%
Magnesium	24-2	26615.30	27425.64	26809.34	26950.09	1.57	ppb
Manganese	55-2	2629.75	2657.18	2654.91	2647.28	0.58	ppb
Molybdenum	94-1	2292.37	2440.19	2504.47	2412.34	4.51	ppb
Molybdenum	95-1	2308.57	2428.16	2484.12	2406.95	3.73	ppb
Molybdenum	96-1	2313.81	2442.04	2461.93	2405.92	3.34	ppb
Molybdenum	97-1	2309.65	2432.06	2484.04	2408.59	3.72	ppb
Molybdenum	98-1	2321.11	2441.82	2504.26	2422.40	3.84	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	262.25	269.31	266.62	266.06	1.34	ppb
Phosphorus	31-2	5296.22	5343.30	5266.84	5302.12	0.73	ppb
Potassium	39-2	12826.16	12934.23	12953.50	12904.63	0.53	ppb
Rhodium	103-1				94		%
Rhodium	103-2				94		%
Scandium	45-1				94		%
Scandium	45-2				93		%
Selenium	82-1	236.41	250.10	252.79	246.44	3.57	ppb
Selenium	77-2	271.19	267.70	259.17	266.02	2.33	ppb
Selenium	78-2	259.51	263.02	263.93	262.15	0.89	ppb
Silicon	28-1	224.57	237.79	239.24	233.87	3.46	ppb
Silver	107-1	244.93	257.61	260.04	254.19	3.19	ppb
Silver	109-1	247.79	258.22	261.17	255.73	2.75	ppb
Sodium	23-2	27276.16	27740.44	26929.40	27315.33	1.49	ppb
Strontium	86-1	5802.89	6115.32	6265.45	6061.22	3.89	ppb
Strontium	88-1	5785.78	6141.14	6215.04	6047.32	3.79	ppb
Sulfur	34-1	4065.01	4376.93	4397.68	4279.88	4.35	ppb
Terbium	159-1				100		%
Terbium	159-2				102		%
Thallium	203-1	226.38	237.05	239.05	234.16	2.91	ppb
Thallium	205-1	223.33	239.95	241.82	235.03	4.33	ppb
Tin	118-1	236.02	246.79	256.62	246.48	4.18	ppb
Titanium	47-1	2315.74	2462.41	2459.49	2412.55	3.48	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P7
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 04:47:12	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	219.40	234.58	238.21	230.73	4.33	ppb
Vanadium	51-2	264.11	265.70	261.21	263.68	0.86	ppb
Yttrium	89-1				97		%
Yttrium	89-2				93		%
Zinc	66-2	2683.30	2744.49	2685.20	2704.33	1.29	ppb
Zirconium	90-1	231.18	250.67	250.35	244.07	4.57	ppb
Zirconium	91-1	231.70	245.75	248.61	242.02	3.74	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P7
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 04:49:58	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10061.85	9790.42	10195.01	10015.76	2.06	ppb
Antimony	121-1	490.37	494.42	497.75	494.18	0.75	ppb
Arsenic	75-2	505.24	511.15	505.95	507.45	0.64	ppb
Barium	135-1	2464.54	2474.50	2470.24	2469.76	0.20	ppb
Barium	137-1	2485.71	2480.66	2460.79	2475.72	0.53	ppb
Beryllium	9-1	505.62	500.67	491.80	499.36	1.40	ppb
Bismuth	209-1				98		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	496.13	502.79	503.82	500.92	0.83	ppb
Cadmium	106-1	500.18	502.26	501.61	501.35	0.21	ppb
Cadmium	111-1	499.26	506.18	503.81	503.08	0.70	ppb
Calcium	43-1	50616.23	50816.12	51558.35	50996.90	0.97	ppb
Calcium	44-1	50775.15	50920.19	50860.63	50851.99	0.14	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	519.90	511.58	521.98	517.82	1.06	ppb
Cobalt	59-2	515.76	502.29	519.67	512.58	1.78	ppb
Copper	63-2	5220.36	5083.62	5256.93	5186.97	1.76	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				101		%
Indium	115-1				94		%
Indium	115-2				93		%
Iron	56-2	26065.35	25892.60	26762.15	26240.03	1.75	ppb
Iron	57-2	26085.53	25751.16	26409.63	26082.11	1.26	ppb
Iron	54-2	26435.55	25826.14	26910.42	26390.70	2.06	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P7
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 04:49:58	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2434.66	2440.34	2450.73	2441.91	0.33	ppb
Lead	207-1	2440.49	2444.22	2438.89	2441.20	0.11	ppb
Lead	208-1	2427.05	2442.93	2435.55	2435.18	0.33	ppb
Lithium	6-1				101		%
Magnesium	24-2	52425.15	51642.49	53427.77	52498.47	1.70	ppb
Manganese	55-2	5115.27	5044.82	5256.58	5138.89	2.10	ppb
Molybdenum	94-1	4929.45	4891.92	4891.68	4904.35	0.44	ppb
Molybdenum	95-1	4964.07	4899.31	4904.95	4922.78	0.73	ppb
Molybdenum	96-1	4908.81	4882.15	4849.69	4880.22	0.61	ppb
Molybdenum	97-1	4873.87	4864.08	4903.35	4880.43	0.42	ppb
Molybdenum	98-1	4927.67	4906.65	4934.10	4922.81	0.29	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	532.38	506.11	529.94	522.81	2.78	ppb
Phosphorus	31-2	10170.61	10049.44	10490.32	10236.79	2.22	ppb
Potassium	39-2	25167.46	24863.77	25708.57	25246.60	1.69	ppb
Rhodium	103-1				91		%
Rhodium	103-2				92		%
Scandium	45-1				90		%
Scandium	45-2				93		%
Selenium	82-1	499.88	496.19	494.63	496.90	0.54	ppb
Selenium	77-2	508.73	517.32	509.16	511.74	0.95	ppb
Selenium	78-2	507.97	511.99	510.48	510.15	0.40	ppb
Silicon	28-1	515.38	511.59	517.55	514.84	0.59	ppb
Silver	107-1	498.16	501.43	496.86	498.82	0.47	ppb
Silver	109-1	502.96	503.81	502.66	503.14	0.12	ppb
Sodium	23-2	53438.41	53573.95	53614.05	53542.14	0.17	ppb
Strontium	86-1	12292.40	12434.92	12267.11	12331.48	0.73	ppb
Strontium	88-1	12367.18	12310.14	12195.01	12290.78	0.71	ppb
Sulfur	34-1	10411.37	10553.52	10281.68	10415.52	1.31	ppb
Terbium	159-1				99		%
Terbium	159-2				102		%
Thallium	203-1	487.34	486.55	489.72	487.87	0.34	ppb
Thallium	205-1	486.09	493.30	490.34	489.91	0.74	ppb
Tin	118-1	491.26	496.52	503.79	497.19	1.27	ppb
Titanium	47-1	4964.48	4905.27	4927.41	4932.39	0.61	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P7
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 04:49:58	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	482.03	485.96	483.40	483.79	0.41	ppb
Vanadium	51-2	509.10	512.87	516.97	512.98	0.77	ppb
Yttrium	89-1				94		%
Yttrium	89-2				93		%
Zinc	66-2	5140.27	5079.77	5281.62	5167.22	2.00	ppb
Zirconium	90-1	491.09	492.06	490.06	491.07	0.20	ppb
Zirconium	91-1	489.14	489.69	488.81	489.21	0.09	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P7
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 04:52:42	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19660.60	19391.63	19250.64	19434.29	1.07	ppb
Antimony	121-1	1026.06	1006.41	978.77	1003.75	2.37	ppb
Arsenic	75-2	991.81	991.54	992.04	991.80	0.03	ppb
Barium	135-1	5125.61	5032.45	4898.44	5018.83	2.28	ppb
Barium	137-1	5155.72	5016.56	4882.54	5018.27	2.72	ppb
Beryllium	9-1	1038.25	1002.51	982.02	1007.59	2.82	ppb
Bismuth	209-1				94		%
Bismuth	209-2				96		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1018.41	997.65	975.81	997.29	2.14	ppb
Cadmium	106-1	1022.46	998.75	970.77	997.33	2.59	ppb
Cadmium	111-1	1030.42	998.85	963.08	997.45	3.38	ppb
Calcium	43-1	107127.19	104288.90	101212.24	104209.44	2.84	ppb
Calcium	44-1	106376.39	104790.08	100449.88	103872.12	2.95	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	990.09	997.64	971.59	986.44	1.36	ppb
Cobalt	59-2	983.98	1001.81	978.64	988.14	1.23	ppb
Copper	63-2	9872.23	9955.26	9691.84	9839.77	1.37	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				97		%
Holmium	165-2				101		%
Indium	115-1				89		%
Indium	115-2				92		%
Iron	56-2	50755.54	50579.24	49211.72	50182.17	1.68	ppb
Iron	57-2	50673.95	50655.19	48899.34	50076.16	2.04	ppb
Iron	54-2	51057.54	50984.10	49351.12	50464.25	1.91	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P7
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 04:52:42	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	5186.13	5072.07	4896.14	5051.45	2.89	ppb
Lead	207-1	5196.64	5031.17	4923.59	5050.47	2.72	ppb
Lead	208-1	5173.64	5057.82	4929.39	5053.62	2.42	ppb
Lithium	6-1				92		%
Magnesium	24-2	101740.29	101523.73	99845.52	101036.52	1.03	ppb
Manganese	55-2	9959.02	10103.30	9581.04	9881.12	2.73	ppb
Molybdenum	94-1	10268.22	10142.64	9811.77	10074.21	2.34	ppb
Molybdenum	95-1	10310.75	10089.37	9797.73	10065.95	2.56	ppb
Molybdenum	96-1	10417.30	10032.41	9814.15	10087.95	3.03	ppb
Molybdenum	97-1	10353.36	10034.33	9876.69	10088.12	2.41	ppb
Molybdenum	98-1	10429.44	9977.36	9780.60	10062.46	3.31	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	985.83	990.96	970.68	982.49	1.07	ppb
Phosphorus	31-2	19888.53	19943.66	19494.01	19775.40	1.24	ppb
Potassium	39-2	49241.32	49614.04	48152.45	49002.60	1.55	ppb
Rhodium	103-1				86		%
Rhodium	103-2				90		%
Scandium	45-1				86		%
Scandium	45-2				94		%
Selenium	82-1	1028.82	1001.35	976.78	1002.32	2.60	ppb
Selenium	77-2	985.17	999.50	981.12	988.60	0.98	ppb
Selenium	78-2	983.68	999.47	988.15	990.44	0.82	ppb
Silicon	28-1	1039.71	1008.94	944.13	997.59	4.89	ppb
Silver	107-1	1038.34	989.81	968.06	998.73	3.60	ppb
Silver	109-1	1024.35	997.56	966.67	996.19	2.90	ppb
Sodium	23-2	103467.38	102886.33	101589.63	102647.78	0.94	ppb
Strontium	86-1	25937.39	25140.40	24381.96	25153.25	3.09	ppb
Strontium	88-1	25823.44	25309.86	24365.77	25166.36	2.94	ppb
Sulfur	34-1	20828.45	19895.37	19335.13	20019.65	3.77	ppb
Terbium	159-1				97		%
Terbium	159-2				102		%
Thallium	203-1	1037.10	1013.13	982.40	1010.88	2.71	ppb
Thallium	205-1	1039.68	1013.50	975.62	1009.60	3.19	ppb
Tin	118-1	1030.01	994.99	981.97	1002.33	2.48	ppb
Titanium	47-1	10292.91	10200.77	9687.70	10060.46	3.24	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P7
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 04:52:42	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1029.30	1020.06	993.41	1014.26	1.84	ppb
Vanadium	51-2	992.61	993.11	983.80	989.84	0.53	ppb
Yttrium	89-1				91		%
Yttrium	89-2				93		%
Zinc	66-2	10012.76	9878.47	9664.20	9851.81	1.78	ppb
Zirconium	90-1	1024.04	1011.80	983.65	1006.49	2.06	ppb
Zirconium	91-1	1031.58	1018.53	974.95	1008.35	2.94	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P7
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 04:55:28	DataFile Name :	012CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	101228.44	100287.32	98774.52	100096.76	1.24	ppb
Antimony	121-1	0.53	0.52	0.62	0.55	9.97	ppb
Arsenic	75-2	0.68	0.52	0.54	0.58	15.20	ppb
Barium	135-1	3.46	3.08	3.10	3.21	6.58	ppb
Barium	137-1	3.46	3.19	3.02	3.22	6.81	ppb
Beryllium	9-1	0.23	0.16	0.13	0.17	29.18	ppb
Bismuth	209-1				84		%
Bismuth	209-2				83		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.46	0.41	0.33	0.40	16.69	ppb
Cadmium	106-1	0.65	0.77	0.40	0.61	30.39	ppb
Cadmium	111-1	0.30	0.24	0.21	0.25	19.11	ppb
Calcium	43-1	506500.46	499774.89	490836.17	499037.17	1.57	ppb
Calcium	44-1	505263.17	497511.64	494627.82	499134.21	1.10	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.61	1.57	1.50	1.56	3.53	ppb
Cobalt	59-2	2.56	2.61	2.45	2.54	3.15	ppb
Copper	63-2	1.82	1.72	1.56	1.70	7.57	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				95		%
Holmium	165-2				95		%
Indium	115-1				87		%
Indium	115-2				88		%
Iron	56-2	254582.31	253871.24	240853.01	249768.85	3.09	ppb
Iron	57-2	252868.84	256148.68	240397.37	249804.96	3.33	ppb
Iron	54-2	254160.03	258344.10	236561.97	249688.70	4.63	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P7
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 04:55:28	DataFile Name :	012CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1.04	0.74	0.57	0.79	30.45	ppb
Lead	207-1	0.99	0.69	0.53	0.74	32.31	ppb
Lead	208-1	1.02	0.72	0.57	0.77	30.08	ppb
Lithium	6-1				89		%
Magnesium	24-2	513113.50	507081.23	478061.36	499418.70	3.75	ppb
Manganese	55-2	5.25	5.33	5.10	5.22	2.24	ppb
Molybdenum	94-1	3.35	2.64	2.47	2.82	16.55	ppb
Molybdenum	95-1	2.43	1.88	1.61	1.98	21.26	ppb
Molybdenum	96-1	3.74	3.20	2.92	3.28	12.77	ppb
Molybdenum	97-1	2.47	1.88	1.62	1.99	21.85	ppb
Molybdenum	98-1	2.38	1.79	1.55	1.91	22.37	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.73	2.66	2.52	2.64	4.19	ppb
Phosphorus	31-2	-8.38	-6.14	-10.79	-8.44		ppb
Potassium	39-2	252875.27	256406.64	241150.64	250144.19	3.19	ppb
Rhodium	103-1				80		%
Rhodium	103-2				82		%
Scandium	45-1				88		%
Scandium	45-2				91		%
Selenium	82-1	0.65	0.72	0.48	0.62	19.59	ppb
Selenium	77-2	0.36	0.26	0.09	0.24	57.66	ppb
Selenium	78-2	0.09	-0.14	-0.04	-0.03		ppb
Silicon	28-1	0.71	0.39	-0.02	0.36	101.47	ppb
Silver	107-1	0.19	0.14	0.12	0.15	26.53	ppb
Silver	109-1	0.20	0.13	0.11	0.15	30.59	ppb
Sodium	23-2	507605.34	507648.01	481656.05	498969.80	3.01	ppb
Strontium	86-1	83.60	81.32	81.52	82.15	1.54	ppb
Strontium	88-1	82.41	80.90	80.54	81.28	1.22	ppb
Sulfur	34-1	-372.07	-358.67	-340.62	-357.12		ppb
Terbium	159-1				94		%
Terbium	159-2				95		%
Thallium	203-1	0.17	0.10	0.08	0.12	43.98	ppb
Thallium	205-1	0.17	0.10	0.07	0.11	46.06	ppb
Tin	118-1	0.46	0.42	0.38	0.42	9.51	ppb
Titanium	47-1	1.88	1.27	1.01	1.39	32.05	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P7
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 04:55:28	DataFile Name :	012CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.17	0.11	0.08	0.12	39.96	ppb
Vanadium	51-2	0.29	0.27	0.25	0.27	8.33	ppb
Yttrium	89-1				90		%
Yttrium	89-2				91		%
Zinc	66-2	1.96	2.03	1.63	1.88	11.27	ppb
Zirconium	90-1	0.65	0.60	0.57	0.60	6.50	ppb
Zirconium	91-1	0.63	0.61	0.57	0.60	5.02	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	ICV001	Instrumnet Name :	P7
Client Sample ID :	ICV001	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 05:53:44	DataFile Name :	014ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	453.84	459.29	449.55	454.23	1.07	ppb
Antimony	121-1	191.99	192.63	193.04	192.55	0.28	ppb
Arsenic	75-2	202.32	204.60	203.17	203.36	0.57	ppb
Barium	135-1	93.71	93.68	93.92	93.77	0.14	ppb
Barium	137-1	94.93	93.03	94.05	94.00	1.01	ppb
Beryllium	9-1	91.56	93.09	93.87	92.84	1.27	ppb
Bismuth	209-1				101		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	89.77	89.85	89.50	89.71	0.20	ppb
Cadmium	106-1	88.91	89.26	88.78	88.98	0.28	ppb
Cadmium	111-1	100.26	99.03	99.61	99.63	0.62	ppb
Calcium	43-1	1876.92	1896.78	1902.95	1892.22	0.72	ppb
Calcium	44-1	1886.56	1841.45	1885.64	1871.22	1.38	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	97.00	98.69	97.21	97.63	0.94	ppb
Cobalt	59-2	100.93	101.98	100.83	101.25	0.63	ppb
Copper	63-2	94.65	96.34	94.56	95.18	1.05	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				101		%
Indium	115-1				100		%
Indium	115-2				99		%
Iron	56-2	1959.86	1995.49	1953.96	1969.77	1.14	ppb
Iron	57-2	1963.75	2011.69	1964.78	1980.08	1.38	ppb
Iron	54-2	2034.63	2079.81	2034.06	2049.50	1.28	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	ICV001	Instrumnet Name :	P7
Client Sample ID :	ICV001	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 05:53:44	DataFile Name :	014ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	193.37	198.40	199.37	197.05	1.63	ppb
Lead	207-1	186.32	188.83	187.61	187.59	0.67	ppb
Lead	208-1	189.48	192.89	191.28	191.22	0.89	ppb
Lithium	6-1				102		%
Magnesium	24-2	1036.69	1054.07	1038.75	1043.17	0.91	ppb
Manganese	55-2	95.34	97.17	95.92	96.14	0.97	ppb
Molybdenum	94-1	0.05	0.05	0.05	0.05	6.95	ppb
Molybdenum	95-1	0.04	0.05	0.05	0.05	4.84	ppb
Molybdenum	96-1	0.06	0.06	0.06	0.06	3.32	ppb
Molybdenum	97-1	0.04	0.04	0.04	0.04	10.30	ppb
Molybdenum	98-1	0.05	0.04	0.04	0.04	10.63	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	99.84	101.81	99.69	100.45	1.17	ppb
Phosphorus	31-2	-17.23	-14.81	-18.22	-16.75		ppb
Potassium	39-2	1897.09	1933.94	1862.02	1897.68	1.90	ppb
Rhodium	103-1				99		%
Rhodium	103-2				99		%
Scandium	45-1				99		%
Scandium	45-2				99		%
Selenium	82-1	200.56	201.99	204.33	202.29	0.94	ppb
Selenium	77-2	208.46	214.95	215.82	213.08	1.89	ppb
Selenium	78-2	208.79	208.70	213.98	210.49	1.44	ppb
Silicon	28-1	-1.91	-2.48	-1.97	-2.12		ppb
Silver	107-1	49.45	50.16	49.67	49.76	0.73	ppb
Silver	109-1	49.40	49.70	50.53	49.87	1.18	ppb
Sodium	23-2	1945.75	1988.32	1940.52	1958.19	1.34	ppb
Strontium	86-1	6.04	6.35	6.50	6.30	3.74	ppb
Strontium	88-1	6.25	6.11	6.23	6.20	1.18	ppb
Sulfur	34-1	-2.59	29.42	9.81	12.21	132.14	ppb
Terbium	159-1				101		%
Terbium	159-2				101		%
Thallium	203-1	193.50	197.81	199.79	197.03	1.63	ppb
Thallium	205-1	194.03	196.30	197.82	196.05	0.97	ppb
Tin	118-1	0.04	0.01	0.02	0.02	62.14	ppb
Titanium	47-1	-0.19	-0.20	-0.19	-0.19		ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	ICV001	Instrumnet Name :	P7
Client Sample ID :	ICV001	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 05:53:44	DataFile Name :	014ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	65.35	ppb
Vanadium	51-2	93.89	95.00	93.07	93.99	1.03	ppb
Yttrium	89-1				99		%
Yttrium	89-2				99		%
Zinc	66-2	193.64	196.26	192.31	194.07	1.04	ppb
Zirconium	90-1	0.00	0.00	0.00	0.00		ppb
Zirconium	91-1	0.04	0.05	0.05	0.05	14.09	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	ICB001	Instrumnet Name :	P7
Client Sample ID :	ICB001	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 05:57:00	DataFile Name :	015CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.11	-0.02	-0.07	0.01	1146.72	ppb
Antimony	121-1	0.06	0.06	0.07	0.06	9.81	ppb
Arsenic	75-2	0.03	0.02	0.00	0.02	97.47	ppb
Barium	135-1	0.03	0.02	0.02	0.02	17.28	ppb
Barium	137-1	0.02	0.02	0.01	0.02	26.41	ppb
Beryllium	9-1	0.01	0.02	0.02	0.02	33.60	ppb
Bismuth	209-1				99		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.04	0.04	0.03	0.01	557.90	ppb
Cadmium	106-1	0.74	0.96	0.41	0.70	39.63	ppb
Cadmium	111-1	0.08	0.09	0.04	0.07	34.79	ppb
Calcium	43-1	4.53	4.27	3.09	3.97	19.38	ppb
Calcium	44-1	5.58	4.02	4.20	4.60	18.61	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		ppb
Cobalt	59-2	0.01	0.01	0.01	0.01	27.10	ppb
Copper	63-2	0.01	0.01	0.00	0.01	133.25	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				99		%
Holmium	165-2				101		%
Indium	115-1				98		%
Indium	115-2				99		%
Iron	56-2	0.92	0.94	0.75	0.87	12.42	ppb
Iron	57-2	0.25	0.28	0.63	0.39	54.63	ppb
Iron	54-2	1.09	0.57	0.02	0.56	95.46	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	ICB001	Instrumnet Name :	P7
Client Sample ID :	ICB001	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 05:57:00	DataFile Name :	015CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	-0.09	-0.09	-0.11	-0.10		ppb
Lead	207-1	-0.10	-0.11	-0.12	-0.11		ppb
Lead	208-1	-0.09	-0.10	-0.11	-0.10		ppb
Lithium	6-1				102		%
Magnesium	24-2	0.50	0.43	0.35	0.43	16.63	ppb
Manganese	55-2	-0.07	-0.07	-0.07	-0.07		ppb
Molybdenum	94-1	0.02	0.02	0.02	0.02	22.49	ppb
Molybdenum	95-1	0.00	0.00	0.00	0.00	71.95	ppb
Molybdenum	96-1	0.00	0.00	0.00	0.00	86.47	ppb
Molybdenum	97-1	0.00	0.00	0.00	0.00		ppb
Molybdenum	98-1	0.00	0.00	0.00	0.00		ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.09	-0.11	-0.09	-0.10		ppb
Phosphorus	31-2	-14.37	-12.18	-15.48	-14.01		ppb
Potassium	39-2	4.47	2.69	0.95	2.70	65.06	ppb
Rhodium	103-1				98		%
Rhodium	103-2				99		%
Scandium	45-1				97		%
Scandium	45-2				100		%
Selenium	82-1	0.32	0.22	-0.04	0.17	113.67	ppb
Selenium	77-2	0.00	0.08	0.00	0.03	173.21	ppb
Selenium	78-2	0.11	-0.46	-0.39	-0.25		ppb
Silicon	28-1	-1.66	-1.18	-2.43	-1.76		ppb
Silver	107-1	0.02	0.01	0.01	0.01	33.62	ppb
Silver	109-1	0.02	0.02	0.01	0.02	21.28	ppb
Sodium	23-2	0.31	0.35	-0.51	0.05	955.38	ppb
Strontium	86-1	0.51	0.35	0.11	0.32	61.91	ppb
Strontium	88-1	0.05	-0.01	0.04	0.03	115.28	ppb
Sulfur	34-1	121.07	88.19	36.30	81.85	52.22	ppb
Terbium	159-1				99		%
Terbium	159-2				101		%
Thallium	203-1	0.04	0.03	0.03	0.03	28.13	ppb
Thallium	205-1	0.05	0.04	0.03	0.04	24.10	ppb
Tin	118-1	0.04	0.02	0.02	0.03	32.11	ppb
Titanium	47-1	0.16	0.12	0.10	0.13	22.97	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	ICB001	Instrumnet Name :	P7
Client Sample ID :	ICB001	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 05:57:00	DataFile Name :	015CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00		ppb
Vanadium	51-2	0.01	0.01	0.00	0.01	37.59	ppb
Yttrium	89-1				97		%
Yttrium	89-2				98		%
Zinc	66-2	-0.49	-0.58	-0.59	-0.55		ppb
Zirconium	90-1	0.02	0.01	0.01	0.01	38.92	ppb
Zirconium	91-1	0.02	0.01	0.01	0.01	29.67	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	ICSA001	Instrumnet Name :	P7
Client Sample ID :	ICSA001	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:00:15	DataFile Name :	016ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	87751.84	88685.57	87810.85	88082.75	0.59	ppb
Antimony	121-1	1.03	1.04	1.04	1.04	0.24	ppb
Arsenic	75-2	0.36	0.38	0.32	0.35	8.85	ppb
Barium	135-1	1.32	1.30	1.32	1.31	0.60	ppb
Barium	137-1	1.31	1.33	1.32	1.32	0.99	ppb
Beryllium	9-1	0.28	0.31	0.29	0.29	5.33	ppb
Bismuth	209-1				94		%
Bismuth	209-2				92		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	8.96	8.83	8.55	8.78	2.37	ppb
Cadmium	106-1	0.31	-0.41	-0.27	-0.12		ppb
Cadmium	111-1	0.37	0.32	0.30	0.33	11.14	ppb
Calcium	43-1	93819.33	96475.36	96855.90	95716.86	1.73	ppb
Calcium	44-1	93866.19	96301.81	96507.23	95558.41	1.54	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	19.10	19.28	19.09	19.16	0.55	ppb
Cobalt	59-2	1.20	1.21	1.17	1.20	1.50	ppb
Copper	63-2	6.99	7.04	6.96	7.00	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				99		%
Holmium	165-2				98		%
Indium	115-1				93		%
Indium	115-2				93		%
Iron	56-2	98330.94	99447.55	98343.07	98707.19	0.65	ppb
Iron	57-2	99067.51	100028.32	98233.48	99109.77	0.91	ppb
Iron	54-2	99441.23	98168.25	98000.15	98536.54	0.80	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	ICSA001	Instrumnet Name :	P7
Client Sample ID :	ICSA001	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:00:15	DataFile Name :	016ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	4.28	4.25	4.19	4.24	1.08	ppb
Lead	207-1	3.77	3.84	3.80	3.80	0.88	ppb
Lead	208-1	3.95	3.95	3.92	3.94	0.42	ppb
Lithium	6-1				90		%
Magnesium	24-2	92518.03	92396.36	91784.75	92233.04	0.43	ppb
Manganese	55-2	7.49	7.42	7.33	7.41	1.03	ppb
Molybdenum	94-1	1473.68	1499.31	1504.38	1492.45	1.10	ppb
Molybdenum	95-1	1785.50	1829.72	1831.13	1815.45	1.43	ppb
Molybdenum	96-1	1748.47	1807.35	1806.48	1787.43	1.89	ppb
Molybdenum	97-1	1778.73	1823.96	1832.31	1811.66	1.59	ppb
Molybdenum	98-1	1781.40	1827.24	1840.06	1816.23	1.70	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	5.01	5.11	4.95	5.02	1.60	ppb
Phosphorus	31-2	101705.74	102220.44	100555.69	101493.95	0.84	ppb
Potassium	39-2	95745.02	96744.77	95257.31	95915.70	0.79	ppb
Rhodium	103-1				88		%
Rhodium	103-2				90		%
Scandium	45-1				91		%
Scandium	45-2				94		%
Selenium	82-1	0.17	-0.06	-0.22	-0.04		ppb
Selenium	77-2	0.17	0.26	0.09	0.17	49.79	ppb
Selenium	78-2	-0.38	-0.56	-0.71	-0.55		ppb
Silicon	28-1	1.55	0.97	1.16	1.23	24.12	ppb
Silver	107-1	0.02	0.02	0.02	0.02	8.14	ppb
Silver	109-1	0.02	0.02	0.02	0.02	6.65	ppb
Sodium	23-2	98044.77	97689.99	97781.35	97838.70	0.19	ppb
Strontium	86-1	762.48	787.98	790.72	780.39	2.00	ppb
Strontium	88-1	793.40	821.13	796.58	803.70	1.89	ppb
Sulfur	34-1	88197.78	89817.70	88959.41	88991.63	0.91	ppb
Terbium	159-1				99		%
Terbium	159-2				99		%
Thallium	203-1	0.06	0.07	0.09	0.07	18.54	ppb
Thallium	205-1	0.07	0.07	0.08	0.07	7.51	ppb
Tin	118-1	0.08	0.09	0.06	0.07	22.92	ppb
Titanium	47-1	1840.83	1879.04	1901.84	1873.90	1.65	ppb

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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	ICSA001	Instrumnet Name :	P7
Client Sample ID :	ICSA001	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:00:15	DataFile Name :	016ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.01	0.01	0.01	6.18	ppb
Vanadium	51-2	0.18	0.17	0.18	0.18	3.94	ppb
Yttrium	89-1				94		%
Yttrium	89-2				94		%
Zinc	66-2	8.99	8.79	9.12	8.97	1.86	ppb
Zirconium	90-1	-0.01	-0.01	-0.01	-0.01		ppb
Zirconium	91-1	-0.01	-0.01	0.00	-0.01		ppb

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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	ICSAB001	Instrumnet Name :	P7
Client Sample ID :	ICSAB001	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:03:18	DataFile Name :	017ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	84583.43	85629.63	86806.95	85673.34	1.30	ppb
Antimony	121-1	19.29	19.53	19.34	19.39	0.64	ppb
Arsenic	75-2	19.57	19.94	19.79	19.76	0.94	ppb
Barium	135-1	19.54	19.78	19.23	19.52	1.42	ppb
Barium	137-1	19.54	19.97	19.37	19.63	1.56	ppb
Beryllium	9-1	18.35	19.02	18.59	18.65	1.82	ppb
Bismuth	209-1				97		%
Bismuth	209-2				95		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	24.67	24.48	24.09	24.41	1.21	ppb
Cadmium	106-1	15.71	14.97	15.67	15.45	2.70	ppb
Cadmium	111-1	18.39	18.65	18.46	18.50	0.71	ppb
Calcium	43-1	96138.01	95879.43	97650.22	96555.89	0.99	ppb
Calcium	44-1	95414.94	96782.54	97415.59	96537.69	1.06	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	36.96	37.71	37.68	37.45	1.14	ppb
Cobalt	59-2	19.74	20.25	20.24	20.08	1.45	ppb
Copper	63-2	24.63	24.75	24.82	24.73	0.38	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				102		%
Indium	115-1				97		%
Indium	115-2				96		%
Iron	56-2	96340.40	97884.67	97511.71	97245.59	0.83	ppb
Iron	57-2	96616.34	96500.86	98414.64	97177.28	1.10	ppb
Iron	54-2	97483.02	97448.81	98254.11	97728.65	0.47	ppb
Krypton	83-1						cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	ICSAB001	Instrumnet Name :	P7
Client Sample ID :	ICSAB001	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:03:18	DataFile Name :	017ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	23.87	24.06	24.58	24.17	1.52	ppb
Lead	207-1	22.77	22.76	23.33	22.95	1.42	ppb
Lead	208-1	23.05	23.24	23.57	23.29	1.13	ppb
Lithium	6-1				85		%
Magnesium	24-2	88094.16	89973.25	90169.56	89412.32	1.28	ppb
Manganese	55-2	25.47	26.10	26.07	25.88	1.39	ppb
Molybdenum	94-1	1480.77	1490.85	1508.63	1493.42	0.94	ppb
Molybdenum	95-1	1795.40	1817.16	1818.99	1810.52	0.72	ppb
Molybdenum	96-1	1751.50	1786.52	1795.28	1777.77	1.30	ppb
Molybdenum	97-1	1777.90	1822.74	1823.72	1808.12	1.45	ppb
Molybdenum	98-1	1768.85	1818.54	1830.53	1805.97	1.81	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	23.02	23.73	23.58	23.44	1.59	ppb
Phosphorus	31-2	96766.30	97839.58	100409.41	98338.43	1.90	ppb
Potassium	39-2	94107.96	95228.10	95930.74	95088.94	0.97	ppb
Rhodium	103-1				92		%
Rhodium	103-2				94		%
Scandium	45-1				92		%
Scandium	45-2				96		%
Selenium	82-1	18.35	19.03	18.58	18.65	1.84	ppb
Selenium	77-2	16.87	17.89	18.45	17.74	4.52	ppb
Selenium	78-2	18.84	18.77	18.01	18.54	2.47	ppb
Silicon	28-1	1.14	1.55	1.83	1.51	22.84	ppb
Silver	107-1	17.56	17.80	17.42	17.59	1.09	ppb
Silver	109-1	17.53	17.65	17.49	17.56	0.48	ppb
Sodium	23-2	93332.95	96079.71	96904.19	95438.95	1.96	ppb
Strontium	86-1	775.65	783.78	786.94	782.12	0.75	ppb
Strontium	88-1	800.81	802.68	815.45	806.31	0.99	ppb
Sulfur	34-1	86574.54	88880.61	87582.76	87679.30	1.32	ppb
Terbium	159-1				103		%
Terbium	159-2				102		%
Thallium	203-1	19.02	19.24	19.59	19.28	1.49	ppb
Thallium	205-1	18.94	19.14	19.27	19.12	0.86	ppb
Tin	118-1	0.07	0.07	0.06	0.07	8.80	ppb
Titanium	47-1	1861.83	1873.07	1915.75	1883.55	1.51	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	ICSAB001	Instrumnet Name :	P7
Client Sample ID :	ICSAB001	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:03:18	DataFile Name :	017ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.01	0.01	0.01	4.37	ppb
Vanadium	51-2	18.33	18.54	18.81	18.56	1.30	ppb
Yttrium	89-1				98		%
Yttrium	89-2				98		%
Zinc	66-2	28.15	28.84	28.83	28.61	1.38	ppb
Zirconium	90-1	-0.01	-0.01	-0.01	-0.01		ppb
Zirconium	91-1	-0.01	0.00	0.00	0.00	1456.14	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	CCV001	Instrumnet Name :	P7
Client Sample ID :	CCV001	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:06:18	DataFile Name :	018CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	47491.28	46965.02	46440.22	46965.51	1.12	ppb
Antimony	121-1	486.61	491.22	492.09	489.97	0.60	ppb
Arsenic	75-2	499.69	492.63	501.00	497.77	0.90	ppb
Barium	135-1	2313.94	2408.72	2340.07	2354.24	2.08	ppb
Barium	137-1	2325.99	2356.99	2324.33	2335.77	0.79	ppb
Beryllium	9-1	500.50	498.58	503.36	500.81	0.48	ppb
Bismuth	209-1				95		%
Bismuth	209-2				92		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	443.72	458.41	461.03	454.39	2.05	ppb
Cadmium	106-1	454.11	461.18	458.55	457.95	0.78	ppb
Cadmium	111-1	454.35	458.46	459.80	457.54	0.62	ppb
Calcium	43-1	235355.70	235601.18	238403.96	236453.61	0.72	ppb
Calcium	44-1	236338.80	237839.23	237196.13	237124.72	0.32	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	490.82	490.50	478.96	486.76	1.39	ppb
Cobalt	59-2	497.72	496.43	492.58	495.58	0.54	ppb
Copper	63-2	5027.90	5089.77	4902.50	5006.72	1.91	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				102		%
Indium	115-1				96		%
Indium	115-2				93		%
Iron	56-2	120511.76	122229.52	119607.77	120783.02	1.10	ppb
Iron	57-2	120839.55	122661.00	119582.58	121027.71	1.28	ppb
Iron	54-2	120806.29	121159.48	118790.12	120251.96	1.06	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	CCV001	Instrumnet Name :	P7
Client Sample ID :	CCV001	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:06:18	DataFile Name :	018CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2377.85	2377.04	2372.29	2375.73	0.13	ppb
Lead	207-1	2363.07	2364.99	2397.85	2375.30	0.82	ppb
Lead	208-1	2368.91	2357.74	2386.31	2370.99	0.61	ppb
Lithium	6-1				82		%
Magnesium	24-2	242097.56	239618.34	234863.72	238859.87	1.54	ppb
Manganese	55-2	4894.04	4877.95	4796.25	4856.08	1.08	ppb
Molybdenum	94-1	4655.71	4720.78	4690.22	4688.90	0.69	ppb
Molybdenum	95-1	4618.60	4725.45	4673.11	4672.39	1.14	ppb
Molybdenum	96-1	4703.41	4716.64	4683.73	4701.26	0.35	ppb
Molybdenum	97-1	4669.46	4688.41	4713.68	4690.52	0.47	ppb
Molybdenum	98-1	4656.01	4700.68	4720.59	4692.43	0.70	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	494.85	500.32	487.53	494.24	1.30	ppb
Phosphorus	31-2	9474.03	9455.57	9196.90	9375.50	1.65	ppb
Potassium	39-2	120157.30	120169.91	117329.76	119218.99	1.37	ppb
Rhodium	103-1				90		%
Rhodium	103-2				90		%
Scandium	45-1				94		%
Scandium	45-2				96		%
Selenium	82-1	470.28	474.82	471.92	472.34	0.49	ppb
Selenium	77-2	489.48	488.98	498.65	492.37	1.11	ppb
Selenium	78-2	490.86	491.63	485.77	489.42	0.65	ppb
Silicon	28-1	515.76	518.31	512.25	515.44	0.59	ppb
Silver	107-1	472.87	479.40	475.92	476.06	0.69	ppb
Silver	109-1	467.83	482.01	476.86	475.57	1.51	ppb
Sodium	23-2	240610.86	242660.44	231622.63	238297.98	2.46	ppb
Strontium	86-1	11797.48	12026.72	11660.06	11828.09	1.57	ppb
Strontium	88-1	11575.11	11830.05	11694.93	11700.03	1.09	ppb
Sulfur	34-1	8914.57	8812.08	8838.30	8854.99	0.60	ppb
Terbium	159-1				103		%
Terbium	159-2				102		%
Thallium	203-1	480.19	476.45	472.34	476.33	0.82	ppb
Thallium	205-1	471.74	476.72	469.76	472.74	0.76	ppb
Tin	118-1	462.20	469.38	469.77	467.12	0.91	ppb
Titanium	47-1	4599.78	4643.00	4653.87	4632.22	0.62	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	CCV001	Instrumnet Name :	P7
Client Sample ID :	CCV001	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:06:18	DataFile Name :	018CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	479.61	477.61	484.65	480.63	0.75	ppb
Vanadium	51-2	495.83	497.16	482.17	491.72	1.69	ppb
Yttrium	89-1				98		%
Yttrium	89-2				97		%
Zinc	66-2	5011.40	5065.60	4869.47	4982.15	2.03	ppb
Zirconium	90-1	467.39	467.74	475.19	470.11	0.94	ppb
Zirconium	91-1	460.88	474.89	470.14	468.64	1.52	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	CCB001	Instrumnet Name :	P7
Client Sample ID :	CCB001	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:09:00	DataFile Name :	019CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2.28	1.97	1.94	2.06	8.98	ppb
Antimony	121-1	0.18	0.22	0.26	0.22	16.83	ppb
Arsenic	75-2	0.02	0.02	0.02	0.02	16.86	ppb
Barium	135-1	0.32	0.23	0.16	0.24	34.04	ppb
Barium	137-1	0.31	0.24	0.16	0.24	32.37	ppb
Beryllium	9-1	0.07	0.09	0.06	0.08	21.98	ppb
Bismuth	209-1				106		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.09	0.02	0.01	0.04	99.30	ppb
Cadmium	106-1	-0.22	0.22	-0.51	-0.17		ppb
Cadmium	111-1	0.04	0.07	0.01	0.04	84.27	ppb
Calcium	43-1	36.27	28.59	17.57	27.47	34.21	ppb
Calcium	44-1	41.52	31.15	23.33	32.00	28.51	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.02	0.03	0.02	0.02	29.89	ppb
Cobalt	59-2	0.02	0.02	0.02	0.02	13.72	ppb
Copper	63-2	0.28	0.25	0.24	0.26	7.38	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				105		%
Indium	115-1				104		%
Indium	115-2				102		%
Iron	56-2	6.73	6.82	6.31	6.62	4.09	ppb
Iron	57-2	5.59	6.16	4.98	5.58	10.57	ppb
Iron	54-2	6.15	6.16	5.68	5.99	4.52	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	CCB001	Instrumnet Name :	P7
Client Sample ID :	CCB001	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:09:00	DataFile Name :	019CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.23	0.12	0.06	0.13	62.64	ppb
Lead	207-1	0.19	0.12	0.04	0.12	63.46	ppb
Lead	208-1	0.21	0.12	0.05	0.13	62.61	ppb
Lithium	6-1				92		%
Magnesium	24-2	10.38	9.74	8.91	9.68	7.64	ppb
Manganese	55-2	0.15	0.13	0.10	0.13	19.00	ppb
Molybdenum	94-1	0.69	0.56	0.46	0.57	20.12	ppb
Molybdenum	95-1	0.69	0.52	0.43	0.55	24.20	ppb
Molybdenum	96-1	0.69	0.55	0.42	0.55	24.35	ppb
Molybdenum	97-1	0.69	0.56	0.43	0.56	22.68	ppb
Molybdenum	98-1	0.69	0.55	0.43	0.56	23.35	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.10	-0.10	-0.09	-0.10		ppb
Phosphorus	31-2	-15.22	-17.22	-18.20	-16.88		ppb
Potassium	39-2	16.49	18.14	15.12	16.58	9.11	ppb
Rhodium	103-1				101		%
Rhodium	103-2				103		%
Scandium	45-1				97		%
Scandium	45-2				100		%
Selenium	82-1	0.28	0.31	-0.01	0.19	90.16	ppb
Selenium	77-2	0.08	0.24	0.32	0.21	57.16	ppb
Selenium	78-2	-0.26	-0.21	-0.39	-0.29		ppb
Silicon	28-1	-2.81	-3.68	-3.93	-3.47		ppb
Silver	107-1	0.08	0.06	0.05	0.07	27.45	ppb
Silver	109-1	0.09	0.07	0.05	0.07	29.29	ppb
Sodium	23-2	24.92	24.61	21.20	23.58	8.75	ppb
Strontium	86-1	1.21	1.65	1.00	1.29	25.59	ppb
Strontium	88-1	1.62	1.24	0.80	1.22	33.46	ppb
Sulfur	34-1	-559.99	-580.69	-530.34	-557.01		ppb
Terbium	159-1				104		%
Terbium	159-2				106		%
Thallium	203-1	0.13	0.10	0.08	0.10	21.74	ppb
Thallium	205-1	0.12	0.10	0.08	0.10	19.23	ppb
Tin	118-1	0.10	0.09	0.09	0.09	4.54	ppb
Titanium	47-1	0.76	0.63	0.44	0.61	26.94	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	CCB001	Instrumnet Name :	P7
Client Sample ID :	CCB001	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:09:00	DataFile Name :	019CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.06	0.04	0.03	0.04	36.98	ppb
Vanadium	51-2	0.02	0.02	0.02	0.02	2.10	ppb
Yttrium	89-1				102		%
Yttrium	89-2				102		%
Zinc	66-2	-0.21	-0.17	-0.20	-0.19		ppb
Zirconium	90-1	0.08	0.07	0.07	0.07	8.59	ppb
Zirconium	91-1	0.10	0.08	0.07	0.08	14.34	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	PB164950BL	Instrumnet Name :	P7
Client Sample ID :	PBS950	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:25:27	DataFile Name :	024CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.41	-0.21	-0.41	-0.34		ppb
Antimony	121-1	0.01	0.02	0.03	0.02	51.24	ppb
Arsenic	75-2	-0.01	0.01	0.00	0.00		ppb
Barium	135-1	-0.01	-0.01	-0.01	-0.01		ppb
Barium	137-1	-0.02	-0.02	-0.02	-0.02		ppb
Beryllium	9-1	0.00	0.00	0.00	0.00	86.79	ppb
Bismuth	209-1				104		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.01	0.00	-0.04	-0.02		ppb
Cadmium	106-1	0.53	0.59	0.91	0.68	29.81	ppb
Cadmium	111-1	0.04	0.04	0.06	0.05	28.40	ppb
Calcium	43-1	-10.40	-11.56	-11.74	-11.23		ppb
Calcium	44-1	-10.67	-10.66	-10.69	-10.67		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.03	-0.03	-0.02	-0.03		ppb
Cobalt	59-2	0.00	0.00	0.00	0.00	127.17	ppb
Copper	63-2	-0.01	0.00	-0.03	-0.01		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				103		%
Indium	115-1				104		%
Indium	115-2				101		%
Iron	56-2	-2.29	-2.23	-2.26	-2.26		ppb
Iron	57-2	-3.08	-2.43	-2.32	-2.61		ppb
Iron	54-2	-2.68	-2.65	-2.79	-2.71		ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	PB164950BL	Instrumnet Name :	P7
Client Sample ID :	PBS950	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:25:27	DataFile Name :	024CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	-0.17	-0.17	-0.17	-0.17		ppb
Lead	207-1	-0.17	-0.17	-0.18	-0.17		ppb
Lead	208-1	-0.17	-0.17	-0.17	-0.17		ppb
Lithium	6-1				99		%
Magnesium	24-2	-0.26	-0.29	-0.12	-0.23		ppb
Manganese	55-2	-0.13	-0.14	-0.14	-0.13		ppb
Molybdenum	94-1	-0.03	-0.02	-0.02	-0.02		ppb
Molybdenum	95-1	0.01	0.01	0.01	0.01	20.81	ppb
Molybdenum	96-1	0.00	0.00	0.01	0.00	106.60	ppb
Molybdenum	97-1	0.02	0.01	0.01	0.01	29.90	ppb
Molybdenum	98-1	0.01	0.01	0.01	0.01	2.90	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.18	-0.19	-0.19	-0.18		ppb
Phosphorus	31-2	-18.28	-17.28	-16.37	-17.31		ppb
Potassium	39-2	2.94	5.78	5.17	4.63	32.30	ppb
Rhodium	103-1				102		%
Rhodium	103-2				102		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	82-1	-0.26	-0.35	-0.41	-0.34		ppb
Selenium	77-2	0.08	0.08	0.00	0.05	86.60	ppb
Selenium	78-2	-0.76	-0.07	-0.37	-0.40		ppb
Silicon	28-1	-3.90	-3.72	-3.22	-3.61		ppb
Silver	107-1	0.00	0.00	0.00	0.00	44.07	ppb
Silver	109-1	0.00	0.00	0.00	0.00	48.73	ppb
Sodium	23-2	7.66	8.00	8.69	8.12	6.52	ppb
Strontium	86-1	-0.09	-0.14	-0.24	-0.16		ppb
Strontium	88-1	-0.19	-0.17	-0.18	-0.18		ppb
Sulfur	34-1	-224.72	-142.42	-113.94	-160.36		ppb
Terbium	159-1				104		%
Terbium	159-2				104		%
Thallium	203-1	0.02	0.02	0.02	0.02	2.40	ppb
Thallium	205-1	0.02	0.02	0.02	0.02	11.45	ppb
Tin	118-1	-0.07	-0.06	-0.05	-0.06		ppb
Titanium	47-1	-0.25	-0.28	-0.29	-0.27		ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	PB164950BL	Instrumnet Name :	P7
Client Sample ID :	PBS950	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:25:27	DataFile Name :	024CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00		ppb
Vanadium	51-2	0.00	0.00	0.00	0.00		ppb
Yttrium	89-1				103		%
Yttrium	89-2				101		%
Zinc	66-2	-1.96	-1.95	-1.97	-1.96		ppb
Zirconium	90-1	-0.02	-0.02	-0.02	-0.02		ppb
Zirconium	91-1	-0.02	-0.02	-0.01	-0.02		ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	PB164950BS	Instrumnet Name :	P7
Client Sample ID :	LCS950	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:28:43	DataFile Name :	025LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	37.03	38.75	37.45	37.74	2.38	ppb
Antimony	121-1	4.10	3.98	4.01	4.03	1.50	ppb
Arsenic	75-2	2.19	2.30	2.25	2.25	2.32	ppb
Barium	135-1	19.76	19.00	19.22	19.33	2.04	ppb
Barium	137-1	19.87	19.28	19.39	19.52	1.61	ppb
Beryllium	9-1	1.90	1.94	1.95	1.93	1.49	ppb
Bismuth	209-1				101		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.94	1.82	1.89	1.88	3.21	ppb
Cadmium	106-1	2.80	2.25	1.53	2.19	29.06	ppb
Cadmium	111-1	2.16	1.99	1.96	2.04	5.44	ppb
Calcium	43-1	1016.26	988.42	988.95	997.88	1.60	ppb
Calcium	44-1	1013.12	1003.40	990.90	1002.47	1.11	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4.09	4.17	4.16	4.14	1.09	ppb
Cobalt	59-2	2.07	2.11	2.12	2.10	1.21	ppb
Copper	63-2	4.30	4.47	4.33	4.37	2.03	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				103		%
Indium	115-1				101		%
Indium	115-2				101		%
Iron	56-2	419.66	432.30	424.96	425.64	1.49	ppb
Iron	57-2	416.67	433.38	428.59	426.21	2.02	ppb
Iron	54-2	426.86	430.29	429.21	428.79	0.41	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	PB164950BS	Instrumnet Name :	P7
Client Sample ID :	LCS950	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:28:43	DataFile Name :	025LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1.78	1.74	1.73	1.75	1.42	ppb
Lead	207-1	1.79	1.77	1.79	1.78	0.63	ppb
Lead	208-1	1.78	1.74	1.76	1.76	1.10	ppb
Lithium	6-1				99		%
Magnesium	24-2	949.89	980.16	957.77	962.61	1.63	ppb
Manganese	55-2	1.88	1.99	2.03	1.97	4.19	ppb
Molybdenum	94-1	11.53	11.43	11.39	11.45	0.60	ppb
Molybdenum	95-1	9.61	9.60	9.60	9.60	0.08	ppb
Molybdenum	96-1	9.74	9.77	9.65	9.72	0.65	ppb
Molybdenum	97-1	9.87	9.62	9.61	9.70	1.50	ppb
Molybdenum	98-1	9.89	9.67	9.63	9.73	1.41	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.85	2.06	1.94	1.95	5.50	ppb
Phosphorus	31-2	-16.08	-14.49	-16.58	-15.72		ppb
Potassium	39-2	1022.42	1050.89	1046.38	1039.90	1.47	ppb
Rhodium	103-1				100		%
Rhodium	103-2				101		%
Scandium	45-1				97		%
Scandium	45-2				100		%
Selenium	82-1	10.66	11.14	10.79	10.87	2.29	ppb
Selenium	77-2	11.25	11.93	10.49	11.22	6.39	ppb
Selenium	78-2	10.82	11.06	11.57	11.15	3.40	ppb
Silicon	28-1	4.29	3.47	2.76	3.51	21.83	ppb
Silver	107-1	2.05	2.00	2.05	2.03	1.42	ppb
Silver	109-1	2.07	2.03	2.03	2.04	1.06	ppb
Sodium	23-2	1041.29	1066.95	1053.20	1053.82	1.22	ppb
Strontium	86-1	49.42	50.54	48.85	49.60	1.73	ppb
Strontium	88-1	48.96	48.71	48.44	48.70	0.53	ppb
Sulfur	34-1	117.47	29.83	-12.53	44.92	147.59	ppb
Terbium	159-1				103		%
Terbium	159-2				104		%
Thallium	203-1	1.97	1.91	1.90	1.93	1.85	ppb
Thallium	205-1	1.94	1.89	1.94	1.92	1.49	ppb
Tin	118-1	-0.02	-0.05	-0.04	-0.04		ppb
Titanium	47-1	9.84	9.29	9.28	9.47	3.38	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	PB164950BS	Instrumnet Name :	P7
Client Sample ID :	LCS950	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:28:43	DataFile Name :	025LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.83	1.79	1.81	1.81	1.13	ppb
Vanadium	51-2	9.92	10.03	9.94	9.96	0.62	ppb
Yttrium	89-1				99		%
Yttrium	89-2				99		%
Zinc	66-2	8.66	9.27	8.90	8.94	3.45	ppb
Zirconium	90-1	1.98	1.95	1.94	1.96	1.10	ppb
Zirconium	91-1	1.98	1.96	1.94	1.96	1.13	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	PB164951BL	Instrumnet Name :	P7
Client Sample ID :	PBS951	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:31:54	DataFile Name :	026CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.22	-0.26	-0.27	-0.25		ppb
Antimony	121-1	0.00	0.01	0.01	0.01	47.59	ppb
Arsenic	75-2	-0.01	-0.01	0.00	-0.01		ppb
Barium	135-1	-0.01	-0.01	-0.01	-0.01		ppb
Barium	137-1	-0.02	-0.02	-0.02	-0.02		ppb
Beryllium	9-1	-0.01	0.00	0.01	0.00	4118.98	ppb
Bismuth	209-1				102		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.03	-0.05	-0.04	-0.04		ppb
Cadmium	106-1	0.94	-0.01	0.31	0.41	117.32	ppb
Cadmium	111-1	0.07	0.00	0.02	0.03	112.77	ppb
Calcium	43-1	-9.82	-11.21	-11.59	-10.87		ppb
Calcium	44-1	-9.45	-10.18	-9.38	-9.67		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.02	-0.04	-0.01	-0.02		ppb
Cobalt	59-2	0.00	0.00	0.00	0.00	262.41	ppb
Copper	63-2	-0.01	-0.02	-0.02	-0.01		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				101		%
Indium	115-1				101		%
Indium	115-2				98		%
Iron	56-2	-2.22	-2.28	-2.20	-2.23		ppb
Iron	57-2	-2.75	-2.62	-2.15	-2.51		ppb
Iron	54-2	-2.82	-3.02	-2.63	-2.82		ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	PB164951BL	Instrumnet Name :	P7
Client Sample ID :	PBS951	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:31:54	DataFile Name :	026CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	-0.17	-0.18	-0.18	-0.18		ppb
Lead	207-1	-0.18	-0.18	-0.17	-0.18		ppb
Lead	208-1	-0.17	-0.17	-0.18	-0.18		ppb
Lithium	6-1				99		%
Magnesium	24-2	-0.26	-0.17	-0.30	-0.24		ppb
Manganese	55-2	-0.14	-0.14	-0.14	-0.14		ppb
Molybdenum	94-1	-0.02	-0.03	-0.02	-0.02		ppb
Molybdenum	95-1	0.00	0.00	0.00	0.00	16.97	ppb
Molybdenum	96-1	0.00	0.00	0.00	0.00		ppb
Molybdenum	97-1	0.00	0.00	0.01	0.01	21.74	ppb
Molybdenum	98-1	0.00	0.00	0.00	0.00	111.76	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.20	-0.19	-0.18	-0.19		ppb
Phosphorus	31-2	-16.41	-17.84	-13.77	-16.00		ppb
Potassium	39-2	5.43	4.23	6.64	5.43	22.23	ppb
Rhodium	103-1				100		%
Rhodium	103-2				99		%
Scandium	45-1				97		%
Scandium	45-2				98		%
Selenium	82-1	-0.14	-0.32	-0.45	-0.30		ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-0.68	-0.38	-0.12	-0.39		ppb
Silicon	28-1	-2.84	-3.39	-2.69	-2.97		ppb
Silver	107-1	0.00	0.00	0.00	0.00	53.36	ppb
Silver	109-1	0.00	0.00	0.00	0.00	27.68	ppb
Sodium	23-2	8.24	7.10	8.85	8.06	11.02	ppb
Strontium	86-1	-0.30	-0.09	-0.19	-0.19		ppb
Strontium	88-1	-0.17	-0.18	-0.18	-0.17		ppb
Sulfur	34-1	-67.72	-35.60	-39.14	-47.48		ppb
Terbium	159-1				103		%
Terbium	159-2				101		%
Thallium	203-1	0.02	0.02	0.02	0.02	5.00	ppb
Thallium	205-1	0.01	0.02	0.01	0.01	1.55	ppb
Tin	118-1	-0.07	-0.07	-0.07	-0.07		ppb
Titanium	47-1	-0.29	-0.28	-0.27	-0.28		ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	PB164951BL	Instrumnet Name :	P7
Client Sample ID :	PBS951	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:31:54	DataFile Name :	026CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00		ppb
Vanadium	51-2	0.00	0.00	0.00	0.00		ppb
Yttrium	89-1				100		%
Yttrium	89-2				98		%
Zinc	66-2	-1.98	-1.95	-1.92	-1.95		ppb
Zirconium	90-1	-0.02	-0.02	-0.02	-0.02		ppb
Zirconium	91-1	-0.02	-0.02	-0.01	-0.02		ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	PB164951BS	Instrumnet Name :	P7
Client Sample ID :	LCS951	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:35:11	DataFile Name :	027LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	38.14	39.20	37.91	38.42	1.80	ppb
Antimony	121-1	4.15	4.13	4.17	4.15	0.46	ppb
Arsenic	75-2	2.22	2.28	2.24	2.25	1.50	ppb
Barium	135-1	20.13	20.07	20.06	20.09	0.18	ppb
Barium	137-1	19.93	20.08	20.35	20.12	1.06	ppb
Beryllium	9-1	1.93	1.86	2.02	1.94	4.00	ppb
Bismuth	209-1				102		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.20	2.04	2.06	2.10	4.29	ppb
Cadmium	106-1	3.33	2.63	2.64	2.87	14.07	ppb
Cadmium	111-1	2.17	2.10	2.08	2.12	2.17	ppb
Calcium	43-1	1041.28	1007.85	1016.39	1021.84	1.70	ppb
Calcium	44-1	1015.11	1007.39	1012.22	1011.58	0.39	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4.28	4.18	4.30	4.26	1.51	ppb
Cobalt	59-2	2.15	2.15	2.18	2.16	0.84	ppb
Copper	63-2	4.52	4.44	4.41	4.45	1.25	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				100		%
Indium	115-1				100		%
Indium	115-2				98		%
Iron	56-2	434.29	440.00	438.79	437.70	0.69	ppb
Iron	57-2	433.11	441.50	437.65	437.42	0.96	ppb
Iron	54-2	439.97	442.67	438.26	440.30	0.50	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	PB164951BS	Instrumnet Name :	P7
Client Sample ID :	LCS951	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:35:11	DataFile Name :	027LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1.84	1.82	1.78	1.81	1.70	ppb
Lead	207-1	1.83	1.83	1.81	1.82	0.70	ppb
Lead	208-1	1.82	1.81	1.82	1.82	0.41	ppb
Lithium	6-1				97		%
Magnesium	24-2	991.93	995.65	989.26	992.28	0.32	ppb
Manganese	55-2	1.97	1.96	1.96	1.96	0.34	ppb
Molybdenum	94-1	11.51	11.68	11.81	11.67	1.29	ppb
Molybdenum	95-1	9.68	9.81	9.87	9.79	0.99	ppb
Molybdenum	96-1	9.84	10.10	9.99	9.97	1.31	ppb
Molybdenum	97-1	9.75	9.72	9.85	9.77	0.69	ppb
Molybdenum	98-1	9.75	9.94	9.98	9.89	1.26	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.02	1.95	1.91	1.96	2.64	ppb
Phosphorus	31-2	-13.80	-15.58	-13.15	-14.18		ppb
Potassium	39-2	1070.27	1068.72	1084.20	1074.39	0.79	ppb
Rhodium	103-1				99		%
Rhodium	103-2				98		%
Scandium	45-1				96		%
Scandium	45-2				98		%
Selenium	82-1	10.55	10.53	10.61	10.56	0.39	ppb
Selenium	77-2	11.53	10.04	12.60	11.39	11.28	ppb
Selenium	78-2	11.71	11.06	11.04	11.27	3.40	ppb
Silicon	28-1	4.09	3.91	3.88	3.96	2.89	ppb
Silver	107-1	2.09	2.12	2.09	2.10	0.92	ppb
Silver	109-1	2.10	2.16	2.12	2.12	1.33	ppb
Sodium	23-2	1078.66	1074.90	1084.64	1079.40	0.46	ppb
Strontium	86-1	50.36	50.01	51.13	50.50	1.14	ppb
Strontium	88-1	49.56	50.01	49.82	49.80	0.45	ppb
Sulfur	34-1	10.26	13.79	-12.84	3.73	387.42	ppb
Terbium	159-1				101		%
Terbium	159-2				101		%
Thallium	203-1	1.97	1.96	1.96	1.96	0.10	ppb
Thallium	205-1	1.96	1.94	1.97	1.96	0.61	ppb
Tin	118-1	-0.05	-0.05	-0.05	-0.05		ppb
Titanium	47-1	9.49	9.60	9.76	9.62	1.39	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	PB164951BS	Instrumnet Name :	P7
Client Sample ID :	LCS951	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:35:11	DataFile Name :	027LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.85	1.82	1.85	1.84	1.06	ppb
Vanadium	51-2	10.35	10.33	10.23	10.30	0.66	ppb
Yttrium	89-1				99		%
Yttrium	89-2				98		%
Zinc	66-2	8.98	9.39	9.32	9.23	2.37	ppb
Zirconium	90-1	2.00	2.00	2.00	2.00	0.02	ppb
Zirconium	91-1	1.99	2.05	2.04	2.02	1.62	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-01	Instrumnet Name :	P7
Client Sample ID :	MH2GN9	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:38:23	DataFile Name :	028SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	14046.94	14345.79	13929.64	14107.46	1.52	ppb
Antimony	121-1	0.84	0.84	0.88	0.85	2.75	ppb
Arsenic	75-2	16.44	16.78	16.57	16.60	1.03	ppb
Barium	135-1	759.34	731.61	739.90	743.62	1.91	ppb
Barium	137-1	747.11	722.39	737.59	735.69	1.69	ppb
Beryllium	9-1	1.82	1.97	1.92	1.91	4.15	ppb
Bismuth	209-1				103		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	6.95	6.97	7.00	6.97	0.43	ppb
Cadmium	106-1	8.24	8.62	8.70	8.52	2.87	ppb
Cadmium	111-1	7.36	7.38	7.37	7.37	0.15	ppb
Calcium	43-1	148164.08	146294.78	149343.85	147934.24	1.04	ppb
Calcium	44-1	149635.94	146590.34	149537.37	148587.89	1.16	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	20.89	21.29	20.82	21.00	1.22	ppb
Cobalt	59-2	12.64	12.73	12.58	12.65	0.58	ppb
Copper	63-2	107.09	108.33	107.00	107.47	0.69	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				103		%
Indium	115-1				100		%
Indium	115-2				98		%
Iron	56-2	14127.21	14258.86	13958.66	14114.91	1.07	ppb
Iron	57-2	14541.24	15278.63	14719.02	14846.30	2.59	ppb
Iron	54-2	14073.54	14301.23	13950.44	14108.40	1.26	ppb
Krypton	83-1						cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-01	Instrumnet Name :	P7
Client Sample ID :	MH2GN9	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:38:23	DataFile Name :	028SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	606.83	612.52	613.71	611.02	0.60	ppb
Lead	207-1	589.43	593.56	597.80	593.60	0.71	ppb
Lead	208-1	593.95	599.37	598.89	597.41	0.50	ppb
Lithium	6-1				99		%
Magnesium	24-2	8177.58	8358.66	8186.74	8240.99	1.24	ppb
Manganese	55-2	1075.49	1068.69	1051.73	1065.30	1.15	ppb
Molybdenum	94-1	6.13	6.09	6.20	6.14	0.86	ppb
Molybdenum	95-1	0.80	0.82	0.77	0.80	3.16	ppb
Molybdenum	96-1	1.45	1.37	1.39	1.40	2.90	ppb
Molybdenum	97-1	0.79	0.74	0.78	0.77	3.39	ppb
Molybdenum	98-1	0.78	0.79	0.78	0.78	0.27	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	60.25	60.59	59.75	60.20	0.70	ppb
Phosphorus	31-2	4191.59	4239.35	4111.10	4180.68	1.55	ppb
Potassium	39-2	6497.27	6606.45	6548.37	6550.70	0.83	ppb
Rhodium	103-1				95		%
Rhodium	103-2				96		%
Scandium	45-1				99		%
Scandium	45-2				97		%
Selenium	82-1	1.35	1.30	1.27	1.31	3.04	ppb
Selenium	77-2	16.01	18.20	18.58	17.60	7.89	ppb
Selenium	78-2	3.78	4.10	3.95	3.94	4.09	ppb
Silicon	28-1	2180.87	2184.56	2205.33	2190.26	0.60	ppb
Silver	107-1	1.35	1.34	1.38	1.36	1.33	ppb
Silver	109-1	1.39	1.36	1.39	1.38	1.08	ppb
Sodium	23-2	741.77	752.11	737.01	743.63	1.04	ppb
Strontium	86-1	12422.88	12240.21	12363.57	12342.22	0.76	ppb
Strontium	88-1	12300.66	12274.78	12276.67	12284.04	0.12	ppb
Sulfur	34-1	597.22	594.74	578.23	590.06	1.75	ppb
Terbium	159-1				103		%
Terbium	159-2				103		%
Thallium	203-1	0.38	0.39	0.40	0.39	2.73	ppb
Thallium	205-1	0.40	0.40	0.40	0.40	0.79	ppb
Tin	118-1	1.47	1.44	1.44	1.45	1.12	ppb
Titanium	47-1	167.90	166.18	166.53	166.87	0.54	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-01	Instrumnet Name :	P7
Client Sample ID :	MH2GN9	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:38:23	DataFile Name :	028SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	3.38	3.40	3.39	3.39	0.22	ppb
Vanadium	51-2	48.53	49.32	48.55	48.80	0.92	ppb
Yttrium	89-1				109		%
Yttrium	89-2				106		%
Zinc	66-2	695.85	708.32	700.67	701.62	0.90	ppb
Zirconium	90-1	3.12	3.13	3.14	3.13	0.36	ppb
Zirconium	91-1	3.16	3.08	3.15	3.13	1.29	ppb

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On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-02	Instrumnet Name :	P7
Client Sample ID :	MH2GN9D	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:41:25	DataFile Name :	029SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	14068.61	14037.02	13787.95	13964.53	1.10	ppb
Antimony	121-1	0.83	0.90	0.85	0.86	4.17	ppb
Arsenic	75-2	17.21	16.81	16.68	16.90	1.61	ppb
Barium	135-1	718.23	743.07	737.42	732.91	1.78	ppb
Barium	137-1	707.30	742.97	732.12	727.46	2.51	ppb
Beryllium	9-1	1.81	1.86	1.90	1.86	2.36	ppb
Bismuth	209-1				104		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	6.25	6.91	6.89	6.68	5.65	ppb
Cadmium	106-1	8.01	8.51	8.76	8.43	4.53	ppb
Cadmium	111-1	7.18	7.49	7.51	7.39	2.48	ppb
Calcium	43-1	145612.91	152729.18	152728.24	150356.78	2.73	ppb
Calcium	44-1	147085.22	152293.50	153202.26	150860.32	2.19	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	21.24	21.11	20.59	20.98	1.63	ppb
Cobalt	59-2	12.75	12.66	12.56	12.66	0.74	ppb
Copper	63-2	108.02	107.98	106.36	107.45	0.88	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				104		%
Indium	115-1				101		%
Indium	115-2				99		%
Iron	56-2	14166.77	14097.24	13953.29	14072.43	0.77	ppb
Iron	57-2	15110.07	14857.97	14485.49	14817.84	2.12	ppb
Iron	54-2	14292.36	13966.85	13919.32	14059.51	1.44	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-02	Instrumnet Name :	P7
Client Sample ID :	MH2GN9D	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:41:25	DataFile Name :	029SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	603.60	621.87	610.01	611.83	1.51	ppb
Lead	207-1	581.01	604.93	595.99	593.98	2.04	ppb
Lead	208-1	590.67	610.50	597.19	599.46	1.69	ppb
Lithium	6-1				101		%
Magnesium	24-2	8102.27	8263.24	8099.54	8155.02	1.15	ppb
Manganese	55-2	1096.72	1085.88	1068.78	1083.80	1.30	ppb
Molybdenum	94-1	5.98	6.13	6.17	6.10	1.62	ppb
Molybdenum	95-1	0.79	0.82	0.81	0.81	1.70	ppb
Molybdenum	96-1	1.37	1.40	1.40	1.39	1.35	ppb
Molybdenum	97-1	0.78	0.80	0.81	0.80	2.15	ppb
Molybdenum	98-1	0.79	0.80	0.81	0.80	1.21	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	61.65	60.77	60.58	61.00	0.94	ppb
Phosphorus	31-2	4197.12	4222.57	4123.12	4180.94	1.24	ppb
Potassium	39-2	6691.30	6535.92	6453.98	6560.40	1.84	ppb
Rhodium	103-1				96		%
Rhodium	103-2				97		%
Scandium	45-1				98		%
Scandium	45-2				99		%
Selenium	82-1	1.85	1.39	1.55	1.60	14.59	ppb
Selenium	77-2	17.37	14.43	17.51	16.44	10.56	ppb
Selenium	78-2	4.17	4.54	4.00	4.24	6.48	ppb
Silicon	28-1	2118.32	2222.63	2205.95	2182.30	2.57	ppb
Silver	107-1	1.34	1.39	1.39	1.37	1.90	ppb
Silver	109-1	1.32	1.42	1.38	1.38	3.70	ppb
Sodium	23-2	753.31	744.89	720.97	739.72	2.27	ppb
Strontium	86-1	12222.78	12597.80	12438.10	12419.56	1.52	ppb
Strontium	88-1	12063.42	12479.83	12285.73	12276.33	1.70	ppb
Sulfur	34-1	504.69	610.00	620.30	578.33	11.06	ppb
Terbium	159-1				104		%
Terbium	159-2				105		%
Thallium	203-1	0.38	0.42	0.38	0.39	5.87	ppb
Thallium	205-1	0.38	0.40	0.39	0.39	1.66	ppb
Tin	118-1	1.38	1.51	1.45	1.45	4.43	ppb
Titanium	47-1	163.15	168.40	167.76	166.44	1.72	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-02	Instrumnet Name :	P7
Client Sample ID :	MH2GN9D	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:41:25	DataFile Name :	029SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	3.29	3.46	3.43	3.39	2.73	ppb
Vanadium	51-2	49.50	49.04	48.12	48.89	1.44	ppb
Yttrium	89-1				109		%
Yttrium	89-2				108		%
Zinc	66-2	705.26	696.65	697.21	699.71	0.69	ppb
Zirconium	90-1	3.03	3.14	3.15	3.11	2.20	ppb
Zirconium	91-1	3.05	3.15	3.18	3.13	2.28	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-01LX5	Instrumnet Name :	P7
Client Sample ID :	MH2GN9L	Dilution Factor :	5
Date & Time Acquired :	2024-11-18 06:44:24	DataFile Name :	030SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	3066.89	3138.69	3099.34	3101.64	1.16	ppb
Antimony	121-1	0.21	0.19	0.19	0.20	7.20	ppb
Arsenic	75-2	3.74	3.83	3.96	3.84	2.94	ppb
Barium	135-1	169.83	156.25	155.52	160.54	5.02	ppb
Barium	137-1	173.79	157.68	159.44	163.64	5.40	ppb
Beryllium	9-1	0.46	0.42	0.48	0.45	7.00	ppb
Bismuth	209-1				102		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.55	1.45	1.45	1.48	3.75	ppb
Cadmium	106-1	2.23	2.33	1.42	1.99	25.09	ppb
Cadmium	111-1	1.73	1.65	1.57	1.65	5.07	ppb
Calcium	43-1	36240.36	32150.25	32848.39	33746.33	6.48	ppb
Calcium	44-1	36277.61	32515.61	32844.50	33879.24	6.15	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4.67	4.63	4.70	4.67	0.83	ppb
Cobalt	59-2	2.85	2.81	2.81	2.82	0.79	ppb
Copper	63-2	24.40	24.16	24.46	24.34	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				101		%
Holmium	165-2				103		%
Indium	115-1				99		%
Indium	115-2				100		%
Iron	56-2	3143.16	3096.78	3117.30	3119.08	0.75	ppb
Iron	57-2	3255.32	3246.47	3236.33	3246.04	0.29	ppb
Iron	54-2	3130.70	3122.97	3162.16	3138.61	0.66	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-01LX5	Instrumnet Name :	P7
Client Sample ID :	MH2GN9L	Dilution Factor :	5
Date & Time Acquired :	2024-11-18 06:44:24	DataFile Name :	030SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	146.91	131.06	131.22	136.40	6.68	ppb
Lead	207-1	143.92	128.77	128.10	133.59	6.70	ppb
Lead	208-1	143.81	128.96	129.20	133.99	6.35	ppb
Lithium	6-1				97		%
Magnesium	24-2	1806.91	1830.56	1812.91	1816.79	0.68	ppb
Manganese	55-2	240.13	236.57	241.99	239.57	1.15	ppb
Molybdenum	94-1	1.51	1.41	1.39	1.44	4.27	ppb
Molybdenum	95-1	0.21	0.18	0.19	0.19	7.16	ppb
Molybdenum	96-1	0.36	0.32	0.34	0.34	6.16	ppb
Molybdenum	97-1	0.21	0.19	0.18	0.20	6.41	ppb
Molybdenum	98-1	0.20	0.19	0.20	0.20	2.87	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	13.48	13.37	13.29	13.38	0.70	ppb
Phosphorus	31-2	908.17	889.32	920.79	906.09	1.75	ppb
Potassium	39-2	1419.60	1448.21	1425.57	1431.13	1.05	ppb
Rhodium	103-1				96		%
Rhodium	103-2				100		%
Scandium	45-1				94		%
Scandium	45-2				98		%
Selenium	82-1	0.33	0.13	0.16	0.21	54.72	ppb
Selenium	77-2	4.14	3.50	4.43	4.03	11.83	ppb
Selenium	78-2	0.49	0.63	1.25	0.79	51.70	ppb
Silicon	28-1	526.02	484.40	490.13	500.18	4.51	ppb
Silver	107-1	0.32	0.30	0.30	0.31	3.44	ppb
Silver	109-1	0.33	0.30	0.31	0.32	4.72	ppb
Sodium	23-2	156.26	156.19	156.27	156.24	0.03	ppb
Strontium	86-1	2996.48	2773.75	2799.05	2856.43	4.27	ppb
Strontium	88-1	3120.26	2833.52	2851.18	2934.99	5.48	ppb
Sulfur	34-1	198.21	-78.96	-65.42	17.95	870.73	ppb
Terbium	159-1				101		%
Terbium	159-2				104		%
Thallium	203-1	0.10	0.09	0.09	0.09	5.88	ppb
Thallium	205-1	0.10	0.09	0.09	0.09	7.63	ppb
Tin	118-1	0.36	0.33	0.32	0.34	6.91	ppb
Titanium	47-1	40.12	36.92	36.77	37.94	4.99	ppb

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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-01LX5	Instrumnet Name :	P7
Client Sample ID :	MH2GN9L	Dilution Factor :	5
Date & Time Acquired :	2024-11-18 06:44:24	DataFile Name :	030SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.79	0.72	0.73	0.75	5.16	ppb
Vanadium	51-2	10.71	10.62	10.78	10.70	0.72	ppb
Yttrium	89-1				99		%
Yttrium	89-2				101		%
Zinc	66-2	159.38	157.76	157.96	158.36	0.56	ppb
Zirconium	90-1	0.75	0.70	0.73	0.72	3.52	ppb
Zirconium	91-1	0.76	0.72	0.71	0.73	3.96	ppb

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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-03	Instrumnet Name :	P7
Client Sample ID :	MH2GN9S	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:47:29	DataFile Name :	031SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	13208.14	13517.53	13934.93	13553.54	2.69	ppb
Antimony	121-1	18.97	19.60	19.88	19.48	2.40	ppb
Arsenic	75-2	23.39	23.50	24.19	23.69	1.82	ppb
Barium	135-1	1067.59	1093.00	1100.26	1086.95	1.58	ppb
Barium	137-1	1053.74	1098.19	1104.71	1085.55	2.55	ppb
Beryllium	9-1	10.44	11.09	10.71	10.75	3.06	ppb
Bismuth	209-1				106		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	15.29	15.44	15.46	15.40	0.60	ppb
Cadmium	106-1	16.24	16.25	16.61	16.37	1.32	ppb
Cadmium	111-1	16.17	16.71	17.27	16.71	3.28	ppb
Calcium	43-1	143395.29	148367.08	150334.55	147365.64	2.43	ppb
Calcium	44-1	143149.58	149866.86	151540.25	148185.56	3.00	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	55.63	57.97	59.12	57.57	3.09	ppb
Cobalt	59-2	105.19	111.04	113.49	109.91	3.88	ppb
Copper	63-2	150.81	154.35	159.83	155.00	2.93	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				106		%
Indium	115-1				103		%
Indium	115-2				100		%
Iron	56-2	12812.82	13402.84	13860.29	13358.65	3.93	ppb
Iron	57-2	13217.46	13952.65	14451.08	13873.73	4.47	ppb
Iron	54-2	12992.12	13329.17	13521.43	13280.90	2.02	ppb
Krypton	83-1						cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-03	Instrumnet Name :	P7
Client Sample ID :	MH2GN9S	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:47:29	DataFile Name :	031SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	585.30	599.57	614.63	599.83	2.45	ppb
Lead	207-1	567.68	584.30	592.28	581.42	2.16	ppb
Lead	208-1	573.02	588.57	598.06	586.55	2.15	ppb
Lithium	6-1				100		%
Magnesium	24-2	7504.17	7620.77	7899.47	7674.80	2.65	ppb
Manganese	55-2	1090.80	1120.90	1158.79	1123.50	3.03	ppb
Molybdenum	94-1	6.01	6.07	6.19	6.09	1.54	ppb
Molybdenum	95-1	0.78	0.81	0.81	0.80	2.22	ppb
Molybdenum	96-1	1.38	1.40	1.43	1.40	2.06	ppb
Molybdenum	97-1	0.80	0.78	0.78	0.79	1.25	ppb
Molybdenum	98-1	0.77	0.80	0.82	0.80	3.33	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	150.81	156.91	156.17	154.63	2.15	ppb
Phosphorus	31-2	3804.82	4079.38	4100.37	3994.85	4.13	ppb
Potassium	39-2	6209.37	6404.12	6370.62	6328.04	1.65	ppb
Rhodium	103-1				99		%
Rhodium	103-2				98		%
Scandium	45-1				100		%
Scandium	45-2				102		%
Selenium	82-1	19.20	19.51	19.85	19.52	1.67	ppb
Selenium	77-2	35.67	33.55	36.00	35.07	3.79	ppb
Selenium	78-2	22.95	21.72	22.89	22.52	3.08	ppb
Silicon	28-1	1994.74	2092.13	2101.18	2062.69	2.86	ppb
Silver	107-1	10.34	10.78	11.04	10.72	3.32	ppb
Silver	109-1	10.40	10.75	10.98	10.71	2.70	ppb
Sodium	23-2	672.04	707.61	733.04	704.23	4.35	ppb
Strontium	86-1	11946.67	12168.91	12394.77	12170.12	1.84	ppb
Strontium	88-1	11953.35	12119.46	12265.16	12112.66	1.29	ppb
Sulfur	34-1	453.61	561.18	592.04	535.61	13.57	ppb
Terbium	159-1				107		%
Terbium	159-2				105		%
Thallium	203-1	9.03	9.52	9.58	9.38	3.25	ppb
Thallium	205-1	9.08	9.55	9.60	9.41	3.04	ppb
Tin	118-1	1.39	1.45	1.49	1.44	3.53	ppb
Titanium	47-1	155.52	161.88	164.99	160.80	3.00	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-03	Instrumnet Name :	P7
Client Sample ID :	MH2GN9S	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:47:29	DataFile Name :	031SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	3.21	3.38	3.40	3.33	3.10	ppb
Vanadium	51-2	144.56	145.78	147.86	146.07	1.14	ppb
Yttrium	89-1				111		%
Yttrium	89-2				110		%
Zinc	66-2	769.20	798.41	825.58	797.73	3.53	ppb
Zirconium	90-1	2.99	3.08	3.18	3.08	2.97	ppb
Zirconium	91-1	3.06	3.14	3.20	3.13	2.32	ppb

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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-04	Instrumnet Name :	P7
Client Sample ID :	MH2GP0	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:50:23	DataFile Name :	032SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	14110.06	13720.69	14090.93	13973.89	1.57	ppb
Antimony	121-1	0.80	0.81	0.80	0.80	0.78	ppb
Arsenic	75-2	13.75	13.73	13.84	13.77	0.42	ppb
Barium	135-1	759.15	757.79	757.44	758.13	0.12	ppb
Barium	137-1	756.08	744.93	758.38	753.13	0.96	ppb
Beryllium	9-1	1.92	1.78	1.89	1.86	4.00	ppb
Bismuth	209-1				105		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	7.04	7.21	7.05	7.10	1.32	ppb
Cadmium	106-1	8.46	8.81	8.71	8.66	2.09	ppb
Cadmium	111-1	7.47	7.60	7.63	7.57	1.16	ppb
Calcium	43-1	151595.84	148590.47	149442.79	149876.36	1.03	ppb
Calcium	44-1	149396.57	148929.83	149829.27	149385.22	0.30	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	27.45	26.75	27.29	27.16	1.35	ppb
Cobalt	59-2	12.34	12.00	12.34	12.23	1.62	ppb
Copper	63-2	109.62	107.09	109.33	108.68	1.28	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				106		%
Holmium	165-2				104		%
Indium	115-1				102		%
Indium	115-2				99		%
Iron	56-2	14117.57	14012.47	14297.60	14142.55	1.02	ppb
Iron	57-2	14869.84	14692.43	14728.39	14763.55	0.64	ppb
Iron	54-2	14429.36	13595.75	14282.03	14102.38	3.15	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-04	Instrumnet Name :	P7
Client Sample ID :	MH2GP0	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:50:23	DataFile Name :	032SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	667.59	686.41	673.86	675.95	1.42	ppb
Lead	207-1	656.89	666.89	654.34	659.37	1.01	ppb
Lead	208-1	663.35	677.34	662.12	667.60	1.27	ppb
Lithium	6-1				100		%
Magnesium	24-2	8564.17	8418.05	8643.67	8541.97	1.34	ppb
Manganese	55-2	1225.73	1187.17	1232.27	1215.05	2.01	ppb
Molybdenum	94-1	6.78	6.82	7.02	6.87	1.92	ppb
Molybdenum	95-1	1.13	1.16	1.11	1.13	2.46	ppb
Molybdenum	96-1	1.77	1.84	1.85	1.82	2.49	ppb
Molybdenum	97-1	1.12	1.14	1.14	1.13	0.72	ppb
Molybdenum	98-1	1.12	1.15	1.12	1.13	1.16	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	199.64	194.70	200.90	198.41	1.65	ppb
Phosphorus	31-2	5069.04	4977.07	5145.89	5064.00	1.67	ppb
Potassium	39-2	7723.94	7536.67	7692.99	7651.20	1.31	ppb
Rhodium	103-1				97		%
Rhodium	103-2				98		%
Scandium	45-1				98		%
Scandium	45-2				99		%
Selenium	82-1	1.53	1.61	1.36	1.50	8.31	ppb
Selenium	77-2	19.75	20.31	21.58	20.55	4.55	ppb
Selenium	78-2	4.47	4.80	4.43	4.57	4.42	ppb
Silicon	28-1	2686.55	2704.67	2696.08	2695.77	0.34	ppb
Silver	107-1	1.37	1.38	1.41	1.38	1.35	ppb
Silver	109-1	1.38	1.39	1.41	1.39	1.04	ppb
Sodium	23-2	831.88	806.99	851.79	830.22	2.70	ppb
Strontium	86-1	12705.89	12924.60	12873.59	12834.69	0.89	ppb
Strontium	88-1	12724.89	12656.64	12978.48	12786.67	1.33	ppb
Sulfur	34-1	688.84	692.55	769.97	717.12	6.39	ppb
Terbium	159-1				106		%
Terbium	159-2				105		%
Thallium	203-1	0.38	0.39	0.39	0.39	1.48	ppb
Thallium	205-1	0.39	0.39	0.39	0.39	0.92	ppb
Tin	118-1	1.74	1.87	1.75	1.79	3.89	ppb
Titanium	47-1	184.83	183.41	185.49	184.58	0.58	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-04	Instrumnet Name :	P7
Client Sample ID :	MH2GP0	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:50:23	DataFile Name :	032SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	3.54	3.61	3.54	3.56	1.14	ppb
Vanadium	51-2	44.29	43.35	44.40	44.02	1.31	ppb
Yttrium	89-1				111		%
Yttrium	89-2				109		%
Zinc	66-2	855.89	845.58	854.94	852.14	0.67	ppb
Zirconium	90-1	3.32	3.35	3.39	3.35	0.92	ppb
Zirconium	91-1	3.35	3.45	3.39	3.40	1.50	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-05	Instrumnet Name :	P7
Client Sample ID :	MH2GP1	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:53:23	DataFile Name :	033SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	12284.59	12804.96	12586.83	12558.79	2.08	ppb
Antimony	121-1	0.86	0.87	0.88	0.87	1.42	ppb
Arsenic	75-2	16.38	16.62	16.61	16.54	0.82	ppb
Barium	135-1	751.48	745.31	742.72	746.50	0.60	ppb
Barium	137-1	741.69	743.09	736.79	740.52	0.45	ppb
Beryllium	9-1	1.88	1.87	1.94	1.90	1.82	ppb
Bismuth	209-1				105		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	7.52	6.72	7.44	7.23	6.10	ppb
Cadmium	106-1	9.23	8.58	8.98	8.93	3.69	ppb
Cadmium	111-1	7.71	7.74	7.57	7.67	1.22	ppb
Calcium	43-1	155165.74	158239.96	156588.12	156664.60	0.98	ppb
Calcium	44-1	153812.76	160586.71	159151.51	157850.32	2.26	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	17.97	18.51	18.14	18.21	1.51	ppb
Cobalt	59-2	11.62	11.83	11.64	11.70	1.00	ppb
Copper	63-2	100.85	102.73	101.03	101.54	1.02	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				105		%
Indium	115-1				102		%
Indium	115-2				99		%
Iron	56-2	11266.92	11376.04	11105.98	11249.65	1.21	ppb
Iron	57-2	11824.27	12112.35	11843.94	11926.85	1.35	ppb
Iron	54-2	11104.63	11235.86	10978.79	11106.42	1.16	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-05	Instrumnet Name :	P7
Client Sample ID :	MH2GP1	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:53:23	DataFile Name :	033SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	608.70	603.55	605.02	605.76	0.44	ppb
Lead	207-1	590.92	588.58	587.89	589.13	0.27	ppb
Lead	208-1	599.70	598.18	599.33	599.07	0.13	ppb
Lithium	6-1				100		%
Magnesium	24-2	7070.47	7341.96	7347.73	7253.39	2.18	ppb
Manganese	55-2	1059.39	1063.31	1026.41	1049.70	1.93	ppb
Molybdenum	94-1	5.50	5.44	5.49	5.48	0.56	ppb
Molybdenum	95-1	0.71	0.73	0.74	0.73	2.16	ppb
Molybdenum	96-1	1.28	1.27	1.28	1.28	0.50	ppb
Molybdenum	97-1	0.72	0.72	0.69	0.71	2.74	ppb
Molybdenum	98-1	0.70	0.69	0.70	0.70	0.67	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	60.00	61.14	60.07	60.40	1.06	ppb
Phosphorus	31-2	4294.99	4375.82	4377.21	4349.34	1.08	ppb
Potassium	39-2	6074.61	6261.29	6174.79	6170.23	1.51	ppb
Rhodium	103-1				98		%
Rhodium	103-2				97		%
Scandium	45-1				100		%
Scandium	45-2				101		%
Selenium	82-1	1.56	1.39	1.33	1.43	8.30	ppb
Selenium	77-2	19.82	19.33	20.12	19.76	2.02	ppb
Selenium	78-2	4.41	3.90	3.92	4.07	7.16	ppb
Silicon	28-1	2537.56	2583.34	2539.79	2553.56	1.01	ppb
Silver	107-1	1.32	1.33	1.33	1.33	0.33	ppb
Silver	109-1	1.35	1.34	1.34	1.34	0.36	ppb
Sodium	23-2	689.42	727.42	739.70	718.85	3.65	ppb
Strontium	86-1	12932.76	12872.75	12746.50	12850.67	0.74	ppb
Strontium	88-1	12725.31	12648.20	12842.89	12738.80	0.77	ppb
Sulfur	34-1	433.17	487.79	492.63	471.20	7.01	ppb
Terbium	159-1				106		%
Terbium	159-2				106		%
Thallium	203-1	0.32	0.33	0.31	0.32	2.48	ppb
Thallium	205-1	0.32	0.33	0.32	0.32	1.68	ppb
Tin	118-1	1.33	1.34	1.36	1.35	1.20	ppb
Titanium	47-1	128.33	130.91	130.77	130.01	1.12	ppb

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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-05	Instrumnet Name :	P7
Client Sample ID :	MH2GP1	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:53:23	DataFile Name :	033SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	3.31	3.34	3.33	3.33	0.40	ppb
Vanadium	51-2	44.68	45.29	44.90	44.96	0.68	ppb
Yttrium	89-1				112		%
Yttrium	89-2				110		%
Zinc	66-2	683.65	693.68	692.09	689.80	0.78	ppb
Zirconium	90-1	2.77	2.77	2.81	2.78	0.87	ppb
Zirconium	91-1	2.85	2.83	2.90	2.86	1.21	ppb

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On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-06	Instrumnet Name :	P7
Client Sample ID :	MH2GP2	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:56:21	DataFile Name :	034SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	18263.79	15947.13	15801.11	16670.68	8.29	ppb
Antimony	121-1	0.89	0.90	0.91	0.90	1.28	ppb
Arsenic	75-2	21.46	18.48	18.72	19.55	8.48	ppb
Barium	135-1	801.48	812.27	819.29	811.01	1.11	ppb
Barium	137-1	805.09	797.55	797.44	800.03	0.55	ppb
Beryllium	9-1	2.22	2.21	1.93	2.12	7.73	ppb
Bismuth	209-1				105		%
Bismuth	209-2				96		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	7.53	7.06	7.76	7.45	4.82	ppb
Cadmium	106-1	9.67	9.02	9.01	9.23	4.06	ppb
Cadmium	111-1	7.85	7.97	7.91	7.91	0.73	ppb
Calcium	43-1	179882.61	175921.48	176770.43	177524.84	1.17	ppb
Calcium	44-1	177456.47	176319.54	175812.17	176529.39	0.48	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	24.66	21.21	21.02	22.30	9.17	ppb
Cobalt	59-2	16.54	14.53	14.28	15.12	8.18	ppb
Copper	63-2	125.01	106.90	106.14	112.68	9.48	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				101		%
Indium	115-1				104		%
Indium	115-2				96		%
Iron	56-2	18036.55	15594.72	15298.87	16310.05	9.21	ppb
Iron	57-2	18983.94	16175.68	16153.24	17104.29	9.52	ppb
Iron	54-2	18123.57	15632.03	15528.45	16428.02	8.94	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-06	Instrumnet Name :	P7
Client Sample ID :	MH2GP2	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:56:21	DataFile Name :	034SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	705.70	717.80	709.14	710.88	0.88	ppb
Lead	207-1	690.69	699.19	697.75	695.88	0.65	ppb
Lead	208-1	697.01	706.12	704.31	702.48	0.69	ppb
Lithium	6-1				100		%
Magnesium	24-2	10092.18	8663.41	8652.70	9136.10	9.06	ppb
Manganese	55-2	1400.56	1214.42	1192.14	1269.04	9.02	ppb
Molybdenum	94-1	6.28	6.43	6.38	6.36	1.20	ppb
Molybdenum	95-1	1.16	1.17	1.13	1.15	1.91	ppb
Molybdenum	96-1	1.75	1.74	1.72	1.74	0.65	ppb
Molybdenum	97-1	1.14	1.12	1.12	1.13	0.96	ppb
Molybdenum	98-1	1.13	1.14	1.13	1.13	0.83	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	96.20	81.75	81.90	86.62	9.58	ppb
Phosphorus	31-2	5258.17	4483.93	4497.17	4746.42	9.34	ppb
Potassium	39-2	6954.59	5888.86	5922.63	6255.36	9.68	ppb
Rhodium	103-1				98		%
Rhodium	103-2				94		%
Scandium	45-1				101		%
Scandium	45-2				95		%
Selenium	82-1	1.48	1.32	1.24	1.35	9.17	ppb
Selenium	77-2	21.69	19.24	23.97	21.63	10.94	ppb
Selenium	78-2	6.10	4.69	4.32	5.04	18.65	ppb
Silicon	28-1	2687.60	2638.79	2632.14	2652.84	1.14	ppb
Silver	107-1	1.27	1.30	1.31	1.29	1.45	ppb
Silver	109-1	1.26	1.33	1.32	1.30	2.70	ppb
Sodium	23-2	1100.07	932.70	941.91	991.56	9.49	ppb
Strontium	86-1	14603.87	14678.80	14400.71	14561.13	0.99	ppb
Strontium	88-1	14200.59	14516.36	14500.41	14405.79	1.23	ppb
Sulfur	34-1	2517.09	2345.71	2370.67	2411.16	3.84	ppb
Terbium	159-1				108		%
Terbium	159-2				102		%
Thallium	203-1	0.40	0.41	0.40	0.40	1.25	ppb
Thallium	205-1	0.40	0.41	0.40	0.40	1.13	ppb
Tin	118-1	1.44	1.46	1.48	1.46	1.43	ppb
Titanium	47-1	155.12	154.98	154.54	154.88	0.20	ppb

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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-06	Instrumnet Name :	P7
Client Sample ID :	MH2GP2	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:56:21	DataFile Name :	034SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	4.54	4.53	4.51	4.52	0.37	ppb
Vanadium	51-2	66.17	57.07	56.14	59.79	9.26	ppb
Yttrium	89-1				113		%
Yttrium	89-2				106		%
Zinc	66-2	875.36	720.96	717.06	771.13	11.71	ppb
Zirconium	90-1	3.02	3.12	3.08	3.07	1.64	ppb
Zirconium	91-1	3.02	3.15	3.13	3.10	2.19	ppb

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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-07	Instrumnet Name :	P7
Client Sample ID :	MH2GP3	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:59:23	DataFile Name :	035SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	15021.17	15097.32	15098.38	15072.29	0.29	ppb
Antimony	121-1	1.01	1.03	1.00	1.01	1.65	ppb
Arsenic	75-2	16.91	17.39	17.52	17.27	1.86	ppb
Barium	135-1	705.68	718.08	719.42	714.39	1.06	ppb
Barium	137-1	691.98	722.42	711.46	708.62	2.18	ppb
Beryllium	9-1	1.96	2.02	2.05	2.01	2.38	ppb
Bismuth	209-1				106		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	6.28	6.27	6.88	6.48	5.43	ppb
Cadmium	106-1	8.40	8.39	8.41	8.40	0.13	ppb
Cadmium	111-1	6.71	7.01	6.98	6.90	2.43	ppb
Calcium	43-1	140843.03	146627.33	148218.16	145229.50	2.67	ppb
Calcium	44-1	142625.99	146726.71	150035.09	146462.60	2.53	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	21.90	22.59	22.09	22.19	1.62	ppb
Cobalt	59-2	12.08	12.57	12.41	12.35	2.01	ppb
Copper	63-2	138.92	136.08	138.72	137.91	1.15	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				109		%
Holmium	165-2				105		%
Indium	115-1				105		%
Indium	115-2				100		%
Iron	56-2	15632.91	15727.01	15668.65	15676.19	0.30	ppb
Iron	57-2	15993.72	16629.25	16613.75	16412.24	2.21	ppb
Iron	54-2	15451.19	15627.83	15722.70	15600.57	0.88	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-07	Instrumnet Name :	P7
Client Sample ID :	MH2GP3	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:59:23	DataFile Name :	035SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	819.06	852.95	843.87	838.63	2.09	ppb
Lead	207-1	796.12	822.45	807.96	808.84	1.63	ppb
Lead	208-1	806.71	838.75	827.75	824.40	1.98	ppb
Lithium	6-1				99		%
Magnesium	24-2	7120.42	7068.35	7196.80	7128.52	0.91	ppb
Manganese	55-2	1056.32	1036.83	1037.15	1043.43	1.07	ppb
Molybdenum	94-1	6.55	6.89	6.79	6.74	2.63	ppb
Molybdenum	95-1	1.44	1.55	1.46	1.49	3.88	ppb
Molybdenum	96-1	2.07	2.13	2.19	2.13	2.83	ppb
Molybdenum	97-1	1.46	1.50	1.51	1.49	1.77	ppb
Molybdenum	98-1	1.45	1.54	1.49	1.49	2.87	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	128.63	129.98	130.49	129.70	0.74	ppb
Phosphorus	31-2	3830.80	3837.74	3821.84	3830.13	0.21	ppb
Potassium	39-2	4490.46	4445.02	4433.88	4456.46	0.67	ppb
Rhodium	103-1				100		%
Rhodium	103-2				99		%
Scandium	45-1				102		%
Scandium	45-2				100		%
Selenium	82-1	1.59	1.34	1.03	1.32	21.39	ppb
Selenium	77-2	18.83	16.95	19.99	18.59	8.26	ppb
Selenium	78-2	4.62	3.85	4.24	4.24	9.13	ppb
Silicon	28-1	2467.91	2483.41	2539.40	2496.91	1.51	ppb
Silver	107-1	1.30	1.35	1.36	1.33	2.51	ppb
Silver	109-1	1.29	1.35	1.38	1.34	3.40	ppb
Sodium	23-2	1053.73	1046.69	1077.05	1059.16	1.50	ppb
Strontium	86-1	13135.93	13495.46	13443.41	13358.26	1.45	ppb
Strontium	88-1	12752.23	13386.89	13214.71	13117.94	2.50	ppb
Sulfur	34-1	7179.15	5783.37	5997.19	6319.91	11.90	ppb
Terbium	159-1				108		%
Terbium	159-2				105		%
Thallium	203-1	0.39	0.41	0.41	0.40	1.79	ppb
Thallium	205-1	0.39	0.41	0.40	0.40	3.17	ppb
Tin	118-1	1.65	1.70	1.71	1.69	1.88	ppb
Titanium	47-1	181.23	188.14	189.75	186.37	2.43	ppb

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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-07	Instrumnet Name :	P7
Client Sample ID :	MH2GP3	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:59:23	DataFile Name :	035SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	3.80	4.03	3.97	3.94	3.06	ppb
Vanadium	51-2	50.44	51.27	51.69	51.13	1.24	ppb
Yttrium	89-1				113		%
Yttrium	89-2				109		%
Zinc	66-2	843.79	828.29	848.65	840.24	1.27	ppb
Zirconium	90-1	3.03	3.20	3.14	3.12	2.79	ppb
Zirconium	91-1	3.06	3.25	3.20	3.17	3.13	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-08	Instrumnet Name :	P7
Client Sample ID :	MH2GP4	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:02:21	DataFile Name :	036SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	12968.29	13682.95	13420.60	13357.28	2.71	ppb
Antimony	121-1	0.89	0.91	0.90	0.90	0.88	ppb
Arsenic	75-2	13.20	13.27	13.13	13.20	0.52	ppb
Barium	135-1	777.49	780.53	763.06	773.69	1.21	ppb
Barium	137-1	767.07	778.56	759.47	768.37	1.25	ppb
Beryllium	9-1	1.99	1.92	1.91	1.94	2.27	ppb
Bismuth	209-1				104		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	7.40	7.45	7.49	7.45	0.62	ppb
Cadmium	106-1	9.75	9.21	8.80	9.25	5.17	ppb
Cadmium	111-1	7.70	7.89	7.72	7.77	1.36	ppb
Calcium	43-1	153397.05	150083.62	149350.68	150943.78	1.43	ppb
Calcium	44-1	153464.57	150025.91	149527.00	151005.83	1.42	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	20.06	20.81	20.17	20.35	2.00	ppb
Cobalt	59-2	12.01	12.25	12.15	12.14	0.98	ppb
Copper	63-2	93.87	95.08	93.60	94.18	0.84	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				105		%
Indium	115-1				103		%
Indium	115-2				100		%
Iron	56-2	12851.10	13004.81	13112.28	12989.40	1.01	ppb
Iron	57-2	13583.39	14018.90	13788.72	13797.00	1.58	ppb
Iron	54-2	12887.32	13056.83	13047.02	12997.05	0.73	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-08	Instrumnet Name :	P7
Client Sample ID :	MH2GP4	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:02:21	DataFile Name :	036SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	789.69	791.70	781.96	787.79	0.65	ppb
Lead	207-1	778.30	775.82	767.90	774.01	0.70	ppb
Lead	208-1	785.08	782.53	772.89	780.16	0.82	ppb
Lithium	6-1				98		%
Magnesium	24-2	8023.64	8307.35	8300.28	8210.42	1.97	ppb
Manganese	55-2	1216.22	1221.65	1225.59	1221.15	0.39	ppb
Molybdenum	94-1	6.94	6.96	7.03	6.98	0.70	ppb
Molybdenum	95-1	0.84	0.83	0.83	0.83	0.69	ppb
Molybdenum	96-1	1.53	1.55	1.52	1.53	1.02	ppb
Molybdenum	97-1	0.82	0.85	0.82	0.83	2.57	ppb
Molybdenum	98-1	0.85	0.82	0.83	0.83	1.75	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	34.95	35.66	35.19	35.27	1.02	ppb
Phosphorus	31-2	5513.03	5625.62	5561.94	5566.87	1.01	ppb
Potassium	39-2	7379.14	7572.38	7509.22	7486.91	1.32	ppb
Rhodium	103-1				98		%
Rhodium	103-2				98		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	82-1	1.29	1.48	1.32	1.37	7.60	ppb
Selenium	77-2	20.40	16.82	18.30	18.51	9.72	ppb
Selenium	78-2	4.55	4.19	4.03	4.26	6.27	ppb
Silicon	28-1	2640.05	2601.02	2566.64	2602.57	1.41	ppb
Silver	107-1	1.36	1.40	1.38	1.38	1.14	ppb
Silver	109-1	1.37	1.40	1.37	1.38	1.09	ppb
Sodium	23-2	757.13	798.95	794.72	783.60	2.94	ppb
Strontium	86-1	13056.00	12936.34	12847.14	12946.50	0.81	ppb
Strontium	88-1	12939.51	12880.55	12853.88	12891.31	0.34	ppb
Sulfur	34-1	696.17	671.98	668.63	678.93	2.21	ppb
Terbium	159-1				106		%
Terbium	159-2				105		%
Thallium	203-1	0.35	0.34	0.33	0.34	2.45	ppb
Thallium	205-1	0.35	0.35	0.34	0.34	0.55	ppb
Tin	118-1	1.99	2.05	2.01	2.02	1.55	ppb
Titanium	47-1	159.17	161.02	158.99	159.73	0.71	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-08	Instrumnet Name :	P7
Client Sample ID :	MH2GP4	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:02:21	DataFile Name :	036SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	3.26	3.32	3.27	3.28	0.90	ppb
Vanadium	51-2	42.39	43.44	42.68	42.84	1.27	ppb
Yttrium	89-1				111		%
Yttrium	89-2				109		%
Zinc	66-2	821.19	832.51	837.16	830.29	0.99	ppb
Zirconium	90-1	3.54	3.56	3.64	3.58	1.42	ppb
Zirconium	91-1	3.60	3.63	3.60	3.61	0.52	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-09	Instrumnet Name :	P7
Client Sample ID :	MH2GP5	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:05:20	DataFile Name :	037SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	13644.12	14263.41	13974.78	13960.77	2.22	ppb
Antimony	121-1	0.96	0.99	1.03	1.00	3.52	ppb
Arsenic	75-2	17.98	18.23	17.45	17.89	2.24	ppb
Barium	135-1	852.07	883.04	882.17	872.43	2.02	ppb
Barium	137-1	847.10	880.04	866.29	864.48	1.91	ppb
Beryllium	9-1	2.09	2.15	2.17	2.13	2.06	ppb
Bismuth	209-1				104		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	7.99	8.73	8.65	8.45	4.83	ppb
Cadmium	106-1	10.01	9.89	10.22	10.04	1.70	ppb
Cadmium	111-1	8.56	8.89	8.86	8.77	2.07	ppb
Calcium	43-1	171891.78	180917.24	174384.84	175731.29	2.65	ppb
Calcium	44-1	171774.68	179891.59	175478.39	175714.89	2.31	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	18.60	18.28	18.41	18.43	0.89	ppb
Cobalt	59-2	13.57	13.37	13.52	13.49	0.78	ppb
Copper	63-2	131.68	132.36	129.13	131.06	1.30	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				103		%
Indium	115-1				103		%
Indium	115-2				99		%
Iron	56-2	12391.02	12190.57	12468.29	12349.96	1.16	ppb
Iron	57-2	13223.94	13071.02	13377.94	13224.30	1.16	ppb
Iron	54-2	12340.03	12361.75	12373.37	12358.39	0.14	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-09	Instrumnet Name :	P7
Client Sample ID :	MH2GP5	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:05:20	DataFile Name :	037SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	809.90	819.22	814.88	814.67	0.57	ppb
Lead	207-1	781.24	796.60	790.29	789.37	0.98	ppb
Lead	208-1	786.48	804.84	800.13	797.15	1.20	ppb
Lithium	6-1				99		%
Magnesium	24-2	8317.05	8336.37	8173.74	8275.72	1.07	ppb
Manganese	55-2	1242.34	1208.58	1243.00	1231.31	1.60	ppb
Molybdenum	94-1	7.37	7.68	7.82	7.62	3.02	ppb
Molybdenum	95-1	0.78	0.83	0.81	0.81	2.79	ppb
Molybdenum	96-1	1.51	1.60	1.61	1.58	3.34	ppb
Molybdenum	97-1	0.81	0.82	0.85	0.83	2.51	ppb
Molybdenum	98-1	0.76	0.80	0.82	0.80	3.56	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	75.83	75.46	76.13	75.81	0.45	ppb
Phosphorus	31-2	5262.23	5281.85	5311.06	5285.05	0.46	ppb
Potassium	39-2	7179.46	7188.43	7118.26	7162.05	0.53	ppb
Rhodium	103-1				98		%
Rhodium	103-2				96		%
Scandium	45-1				101		%
Scandium	45-2				99		%
Selenium	82-1	1.26	1.68	1.25	1.40	17.76	ppb
Selenium	77-2	19.28	21.95	18.54	19.92	9.00	ppb
Selenium	78-2	4.42	5.10	4.23	4.58	9.98	ppb
Silicon	28-1	2499.09	2600.06	2623.20	2574.11	2.56	ppb
Silver	107-1	1.41	1.50	1.50	1.47	3.25	ppb
Silver	109-1	1.41	1.46	1.48	1.45	2.46	ppb
Sodium	23-2	874.99	873.63	890.70	879.77	1.08	ppb
Strontium	86-1	14272.92	14868.17	14949.89	14696.99	2.51	ppb
Strontium	88-1	14393.38	14821.94	14758.01	14657.78	1.58	ppb
Sulfur	34-1	488.15	659.19	607.51	584.95	15.00	ppb
Terbium	159-1				106		%
Terbium	159-2				104		%
Thallium	203-1	0.37	0.38	0.37	0.37	1.01	ppb
Thallium	205-1	0.36	0.37	0.37	0.37	1.08	ppb
Tin	118-1	2.00	2.13	2.12	2.08	3.30	ppb
Titanium	47-1	141.92	147.80	146.06	145.26	2.08	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-09	Instrumnet Name :	P7
Client Sample ID :	MH2GP5	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:05:20	DataFile Name :	037SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	3.80	3.91	3.90	3.87	1.46	ppb
Vanadium	51-2	49.43	48.68	49.38	49.16	0.85	ppb
Yttrium	89-1				113		%
Yttrium	89-2				109		%
Zinc	66-2	865.91	866.07	862.73	864.91	0.22	ppb
Zirconium	90-1	3.79	4.03	4.04	3.96	3.52	ppb
Zirconium	91-1	3.82	4.04	4.04	3.97	3.21	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-10	Instrumnet Name :	P7
Client Sample ID :	MH2GP6	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:08:17	DataFile Name :	038SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	13517.40	13503.31	13211.75	13410.82	1.29	ppb
Antimony	121-1	0.94	0.95	0.92	0.94	1.73	ppb
Arsenic	75-2	15.68	16.35	16.20	16.08	2.18	ppb
Barium	135-1	820.27	801.49	805.02	808.93	1.23	ppb
Barium	137-1	811.31	801.87	786.04	799.74	1.60	ppb
Beryllium	9-1	2.18	2.15	2.01	2.11	4.41	ppb
Bismuth	209-1				103		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	7.21	6.74	6.67	6.88	4.29	ppb
Cadmium	106-1	9.05	8.16	8.60	8.60	5.14	ppb
Cadmium	111-1	7.53	7.29	7.33	7.38	1.71	ppb
Calcium	43-1	187195.22	184610.88	182408.17	184738.09	1.30	ppb
Calcium	44-1	186365.75	184505.75	185470.59	185447.36	0.50	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	17.59	17.38	17.31	17.43	0.85	ppb
Cobalt	59-2	12.88	12.80	12.74	12.81	0.52	ppb
Copper	63-2	109.50	110.46	108.57	109.51	0.86	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				102		%
Indium	115-1				102		%
Indium	115-2				97		%
Iron	56-2	12411.96	12259.65	12067.09	12246.24	1.41	ppb
Iron	57-2	13264.49	13050.87	13092.02	13135.79	0.86	ppb
Iron	54-2	12311.74	12302.40	12290.93	12301.69	0.08	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-10	Instrumnet Name :	P7
Client Sample ID :	MH2GP6	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:08:17	DataFile Name :	038SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	600.95	597.92	596.00	598.29	0.42	ppb
Lead	207-1	581.82	578.10	583.04	580.98	0.44	ppb
Lead	208-1	589.76	585.91	588.35	588.00	0.33	ppb
Lithium	6-1				97		%
Magnesium	24-2	7656.63	7706.00	7682.29	7681.64	0.32	ppb
Manganese	55-2	1054.61	1046.15	1048.33	1049.70	0.42	ppb
Molybdenum	94-1	6.59	6.64	6.74	6.66	1.15	ppb
Molybdenum	95-1	1.36	1.32	1.30	1.33	2.21	ppb
Molybdenum	96-1	1.98	1.89	1.96	1.94	2.26	ppb
Molybdenum	97-1	1.30	1.30	1.32	1.31	0.81	ppb
Molybdenum	98-1	1.34	1.31	1.35	1.33	1.52	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	106.89	106.48	105.22	106.19	0.82	ppb
Phosphorus	31-2	4263.30	4282.80	4293.37	4279.82	0.36	ppb
Potassium	39-2	5578.04	5542.92	5541.76	5554.24	0.37	ppb
Rhodium	103-1				95		%
Rhodium	103-2				95		%
Scandium	45-1				98		%
Scandium	45-2				98		%
Selenium	82-1	1.76	1.37	1.14	1.42	21.78	ppb
Selenium	77-2	18.90	19.47	18.78	19.05	1.92	ppb
Selenium	78-2	4.57	5.06	4.19	4.61	9.38	ppb
Silicon	28-1	2504.79	2467.07	2473.45	2481.77	0.81	ppb
Silver	107-1	1.19	1.19	1.21	1.20	0.93	ppb
Silver	109-1	1.20	1.22	1.22	1.21	0.92	ppb
Sodium	23-2	918.62	927.09	916.92	920.88	0.59	ppb
Strontium	86-1	14484.79	14167.84	14462.02	14371.55	1.23	ppb
Strontium	88-1	14252.20	14360.20	14194.35	14268.92	0.59	ppb
Sulfur	34-1	2547.88	2469.02	2536.08	2517.66	1.69	ppb
Terbium	159-1				104		%
Terbium	159-2				103		%
Thallium	203-1	0.35	0.35	0.36	0.35	1.72	ppb
Thallium	205-1	0.36	0.35	0.35	0.35	1.07	ppb
Tin	118-1	1.30	1.38	1.38	1.35	3.25	ppb
Titanium	47-1	140.49	139.48	140.03	140.00	0.36	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-10	Instrumnet Name :	P7
Client Sample ID :	MH2GP6	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:08:17	DataFile Name :	038SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	4.28	4.22	4.24	4.24	0.70	ppb
Vanadium	51-2	50.22	49.98	49.85	50.02	0.37	ppb
Yttrium	89-1				111		%
Yttrium	89-2				108		%
Zinc	66-2	612.74	624.19	612.17	616.37	1.10	ppb
Zirconium	90-1	3.11	3.13	3.12	3.12	0.41	ppb
Zirconium	91-1	3.12	3.16	3.17	3.15	0.84	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-11	Instrumnet Name :	P7
Client Sample ID :	MH2GP7	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:11:18	DataFile Name :	039SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	15792.61	15723.86	15906.23	15807.57	0.58	ppb
Antimony	121-1	1.24	1.33	1.27	1.28	3.51	ppb
Arsenic	75-2	20.22	20.60	20.52	20.45	0.99	ppb
Barium	135-1	936.28	995.88	963.11	965.09	3.09	ppb
Barium	137-1	925.34	993.31	950.44	956.37	3.59	ppb
Beryllium	9-1	2.22	2.54	2.46	2.41	6.90	ppb
Bismuth	209-1				99		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	10.79	11.78	10.98	11.19	4.67	ppb
Cadmium	106-1	12.93	13.40	12.35	12.89	4.08	ppb
Cadmium	111-1	11.38	12.00	11.66	11.68	2.68	ppb
Calcium	43-1	213237.37	225607.80	221270.64	220038.60	2.85	ppb
Calcium	44-1	214230.64	226964.60	220087.96	220427.73	2.89	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	30.66	30.29	31.01	30.65	1.18	ppb
Cobalt	59-2	13.74	13.56	13.59	13.63	0.73	ppb
Copper	63-2	154.10	153.13	155.80	154.34	0.87	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				104		%
Indium	115-1				98		%
Indium	115-2				100		%
Iron	56-2	15860.52	15675.28	15678.65	15738.15	0.67	ppb
Iron	57-2	16949.64	16785.78	16946.16	16893.86	0.55	ppb
Iron	54-2	15803.54	15754.32	15798.11	15785.32	0.17	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-11	Instrumnet Name :	P7
Client Sample ID :	MH2GP7	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:11:18	DataFile Name :	039SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	881.40	949.88	920.88	917.39	3.75	ppb
Lead	207-1	857.46	915.81	886.42	886.56	3.29	ppb
Lead	208-1	873.60	931.86	898.57	901.34	3.24	ppb
Lithium	6-1				94		%
Magnesium	24-2	7899.85	7651.07	7847.00	7799.31	1.68	ppb
Manganese	55-2	1185.20	1186.41	1177.98	1183.20	0.39	ppb
Molybdenum	94-1	11.23	11.79	11.44	11.49	2.46	ppb
Molybdenum	95-1	2.36	2.51	2.44	2.44	3.11	ppb
Molybdenum	96-1	3.38	3.53	3.47	3.46	2.14	ppb
Molybdenum	97-1	2.44	2.50	2.45	2.46	1.32	ppb
Molybdenum	98-1	2.41	2.54	2.49	2.48	2.54	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	184.34	181.93	182.97	183.08	0.66	ppb
Phosphorus	31-2	4282.45	4305.28	4293.94	4293.89	0.27	ppb
Potassium	39-2	5067.23	4980.48	5078.93	5042.22	1.07	ppb
Rhodium	103-1				93		%
Rhodium	103-2				96		%
Scandium	45-1				96		%
Scandium	45-2				100		%
Selenium	82-1	2.84	2.63	2.46	2.64	7.08	ppb
Selenium	77-2	20.61	21.95	21.68	21.41	3.31	ppb
Selenium	78-2	5.67	5.60	5.80	5.69	1.78	ppb
Silicon	28-1	2530.54	2667.72	2584.85	2594.37	2.66	ppb
Silver	107-1	1.76	1.89	1.80	1.82	3.60	ppb
Silver	109-1	1.75	1.87	1.80	1.81	3.36	ppb
Sodium	23-2	1483.39	1482.12	1513.33	1492.95	1.18	ppb
Strontium	86-1	16586.40	17498.17	16970.15	17018.24	2.69	ppb
Strontium	88-1	16459.06	17523.50	16971.34	16984.63	3.13	ppb
Sulfur	34-1	8718.92	9579.16	9070.19	9122.76	4.74	ppb
Terbium	159-1				102		%
Terbium	159-2				105		%
Thallium	203-1	0.47	0.49	0.48	0.48	2.44	ppb
Thallium	205-1	0.48	0.51	0.49	0.49	3.39	ppb
Tin	118-1	3.77	4.08	3.85	3.90	4.13	ppb
Titanium	47-1	207.67	222.07	216.44	215.39	3.37	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-11	Instrumnet Name :	P7
Client Sample ID :	MH2GP7	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:11:18	DataFile Name :	039SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	5.32	5.65	5.47	5.48	3.02	ppb
Vanadium	51-2	55.96	55.31	56.42	55.90	1.00	ppb
Yttrium	89-1				108		%
Yttrium	89-2				109		%
Zinc	66-2	1743.82	1747.03	1747.87	1746.24	0.12	ppb
Zirconium	90-1	5.18	5.51	5.40	5.36	3.14	ppb
Zirconium	91-1	5.24	5.55	5.43	5.41	2.96	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-12	Instrumnet Name :	P7
Client Sample ID :	MH2GP8	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:14:13	DataFile Name :	040SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	12782.23	12955.56	13040.57	12926.12	1.02	ppb
Antimony	121-1	0.72	0.75	0.76	0.75	2.95	ppb
Arsenic	75-2	13.38	13.37	13.73	13.49	1.52	ppb
Barium	135-1	732.36	728.19	744.16	734.90	1.13	ppb
Barium	137-1	716.41	741.20	730.64	729.42	1.71	ppb
Beryllium	9-1	1.87	1.87	1.88	1.88	0.31	ppb
Bismuth	209-1				106		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	7.74	7.64	7.63	7.67	0.77	ppb
Cadmium	106-1	9.63	9.00	8.66	9.10	5.43	ppb
Cadmium	111-1	7.91	7.98	8.07	7.99	0.95	ppb
Calcium	43-1	147333.07	147393.72	148900.85	147875.88	0.60	ppb
Calcium	44-1	146596.56	148739.18	146780.01	147371.92	0.81	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	19.06	19.22	19.59	19.29	1.41	ppb
Cobalt	59-2	11.61	11.58	11.91	11.70	1.55	ppb
Copper	63-2	97.40	97.56	99.68	98.21	1.30	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				106		%
Indium	115-1				103		%
Indium	115-2				101		%
Iron	56-2	12187.88	12160.58	12368.84	12239.10	0.92	ppb
Iron	57-2	12947.22	12753.31	13170.02	12956.85	1.61	ppb
Iron	54-2	12194.67	12144.65	12398.55	12245.96	1.10	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-12	Instrumnet Name :	P7
Client Sample ID :	MH2GP8	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:14:13	DataFile Name :	040SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	648.47	664.15	666.77	659.80	1.50	ppb
Lead	207-1	633.04	647.71	659.32	646.69	2.04	ppb
Lead	208-1	642.70	655.55	662.91	653.72	1.56	ppb
Lithium	6-1				99		%
Magnesium	24-2	8124.81	8049.66	8123.20	8099.22	0.53	ppb
Manganese	55-2	1180.12	1179.65	1207.07	1188.95	1.32	ppb
Molybdenum	94-1	5.48	5.63	5.68	5.60	1.81	ppb
Molybdenum	95-1	0.67	0.68	0.68	0.68	1.28	ppb
Molybdenum	96-1	1.24	1.24	1.23	1.24	0.40	ppb
Molybdenum	97-1	0.64	0.67	0.69	0.67	3.26	ppb
Molybdenum	98-1	0.68	0.67	0.67	0.67	1.26	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	32.62	32.77	33.61	33.00	1.63	ppb
Phosphorus	31-2	5143.68	5073.59	5134.06	5117.11	0.74	ppb
Potassium	39-2	7183.92	7146.18	7266.97	7199.03	0.86	ppb
Rhodium	103-1				97		%
Rhodium	103-2				98		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	82-1	1.56	1.53	1.56	1.55	1.02	ppb
Selenium	77-2	18.49	18.65	18.50	18.54	0.47	ppb
Selenium	78-2	3.76	4.64	4.56	4.32	11.28	ppb
Silicon	28-1	2413.55	2439.88	2465.04	2439.49	1.06	ppb
Silver	107-1	1.29	1.31	1.34	1.31	1.96	ppb
Silver	109-1	1.27	1.32	1.36	1.32	3.36	ppb
Sodium	23-2	792.69	788.75	811.02	797.48	1.49	ppb
Strontium	86-1	12436.22	12671.80	12635.20	12581.07	1.01	ppb
Strontium	88-1	12424.53	12584.99	12560.11	12523.21	0.69	ppb
Sulfur	34-1	575.74	604.70	658.39	612.95	6.84	ppb
Terbium	159-1				106		%
Terbium	159-2				107		%
Thallium	203-1	0.32	0.34	0.34	0.33	3.57	ppb
Thallium	205-1	0.32	0.32	0.33	0.32	2.83	ppb
Tin	118-1	4.08	4.17	4.12	4.12	1.01	ppb
Titanium	47-1	144.33	145.43	144.54	144.77	0.40	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-12	Instrumnet Name :	P7
Client Sample ID :	MH2GP8	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:14:13	DataFile Name :	040SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	2.89	2.92	2.96	2.92	1.22	ppb
Vanadium	51-2	42.08	42.04	43.19	42.44	1.54	ppb
Yttrium	89-1				111		%
Yttrium	89-2				109		%
Zinc	66-2	842.43	848.40	847.44	846.09	0.38	ppb
Zirconium	90-1	2.87	2.88	2.88	2.88	0.26	ppb
Zirconium	91-1	2.89	2.97	2.91	2.92	1.44	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-13	Instrumnet Name :	P7
Client Sample ID :	MH2GP9	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:17:13	DataFile Name :	041SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	13452.76	13669.81	13652.87	13591.81	0.89	ppb
Antimony	121-1	1.12	1.14	1.14	1.13	0.92	ppb
Arsenic	75-2	18.11	17.87	17.59	17.86	1.45	ppb
Barium	135-1	797.61	807.05	822.37	809.01	1.54	ppb
Barium	137-1	780.74	800.87	817.84	799.82	2.32	ppb
Beryllium	9-1	1.92	2.08	2.05	2.02	4.01	ppb
Bismuth	209-1				105		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	7.19	7.95	8.12	7.75	6.39	ppb
Cadmium	106-1	9.64	9.98	10.23	9.95	2.97	ppb
Cadmium	111-1	8.22	8.43	8.38	8.34	1.34	ppb
Calcium	43-1	169042.70	173867.58	168734.55	170548.28	1.69	ppb
Calcium	44-1	166717.97	173126.48	168331.43	169391.96	1.97	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	21.46	21.70	21.53	21.56	0.57	ppb
Cobalt	59-2	12.68	12.73	12.85	12.75	0.69	ppb
Copper	63-2	110.29	110.68	111.88	110.95	0.74	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				108		%
Holmium	165-2				105		%
Indium	115-1				103		%
Indium	115-2				100		%
Iron	56-2	11983.56	12001.34	11892.80	11959.23	0.49	ppb
Iron	57-2	12787.18	12826.07	12921.98	12845.08	0.54	ppb
Iron	54-2	11919.80	11840.03	11906.33	11888.72	0.36	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-13	Instrumnet Name :	P7
Client Sample ID :	MH2GP9	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:17:13	DataFile Name :	041SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	712.80	730.63	725.90	723.11	1.28	ppb
Lead	207-1	689.60	716.34	712.97	706.30	2.06	ppb
Lead	208-1	698.98	723.20	717.18	713.12	1.77	ppb
Lithium	6-1				102		%
Magnesium	24-2	7568.63	7663.97	7626.27	7619.62	0.63	ppb
Manganese	55-2	1157.77	1163.94	1145.02	1155.58	0.84	ppb
Molybdenum	94-1	5.44	5.59	5.49	5.51	1.40	ppb
Molybdenum	95-1	0.77	0.80	0.76	0.78	2.87	ppb
Molybdenum	96-1	1.29	1.36	1.32	1.32	2.43	ppb
Molybdenum	97-1	0.74	0.77	0.81	0.77	4.47	ppb
Molybdenum	98-1	0.76	0.77	0.78	0.77	1.52	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	76.20	76.54	76.09	76.28	0.31	ppb
Phosphorus	31-2	4488.70	4537.70	4557.33	4527.91	0.78	ppb
Potassium	39-2	6002.95	6178.90	6074.11	6085.32	1.45	ppb
Rhodium	103-1				98		%
Rhodium	103-2				98		%
Scandium	45-1				100		%
Scandium	45-2				101		%
Selenium	82-1	1.73	1.43	1.31	1.49	14.54	ppb
Selenium	77-2	19.01	21.04	20.03	20.03	5.08	ppb
Selenium	78-2	4.31	4.26	3.73	4.10	7.88	ppb
Silicon	28-1	2510.25	2632.25	2601.68	2581.39	2.46	ppb
Silver	107-1	1.32	1.35	1.34	1.34	1.20	ppb
Silver	109-1	1.28	1.35	1.36	1.33	3.04	ppb
Sodium	23-2	817.22	822.44	823.25	820.97	0.40	ppb
Strontium	86-1	13627.27	14305.66	14137.71	14023.55	2.52	ppb
Strontium	88-1	13508.17	14174.08	13803.21	13828.49	2.41	ppb
Sulfur	34-1	811.13	891.36	858.17	853.56	4.72	ppb
Terbium	159-1				107		%
Terbium	159-2				106		%
Thallium	203-1	0.33	0.34	0.33	0.33	1.97	ppb
Thallium	205-1	0.33	0.33	0.33	0.33	0.39	ppb
Tin	118-1	1.10	1.18	1.16	1.15	3.58	ppb
Titanium	47-1	126.85	133.67	128.68	129.73	2.72	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-13	Instrumnet Name :	P7
Client Sample ID :	MH2GP9	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:17:13	DataFile Name :	041SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	3.76	3.91	3.90	3.86	2.24	ppb
Vanadium	51-2	47.82	48.17	48.30	48.10	0.51	ppb
Yttrium	89-1				112		%
Yttrium	89-2				110		%
Zinc	66-2	778.98	793.65	789.66	787.43	0.96	ppb
Zirconium	90-1	2.67	2.76	2.79	2.74	2.19	ppb
Zirconium	91-1	2.67	2.76	2.79	2.74	2.26	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-14	Instrumnet Name :	P7
Client Sample ID :	MH2GQ0	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:20:11	DataFile Name :	042SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	16844.01	16898.87	16625.18	16789.35	0.86	ppb
Antimony	121-1	0.94	0.96	0.94	0.95	1.12	ppb
Arsenic	75-2	16.74	17.06	16.69	16.83	1.21	ppb
Barium	135-1	772.03	767.81	770.88	770.24	0.28	ppb
Barium	137-1	761.30	764.11	765.09	763.50	0.26	ppb
Beryllium	9-1	2.21	2.11	2.29	2.20	4.18	ppb
Bismuth	209-1				106		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	6.79	6.92	6.83	6.85	0.95	ppb
Cadmium	106-1	9.00	8.29	8.38	8.56	4.47	ppb
Cadmium	111-1	7.20	7.20	7.08	7.16	0.99	ppb
Calcium	43-1	166476.26	165836.29	167864.88	166725.81	0.62	ppb
Calcium	44-1	167048.33	167489.73	169933.59	168157.22	0.92	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	21.32	21.27	21.04	21.21	0.71	ppb
Cobalt	59-2	13.39	13.27	13.48	13.38	0.77	ppb
Copper	63-2	91.18	89.90	90.52	90.53	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				108		%
Holmium	165-2				106		%
Indium	115-1				103		%
Indium	115-2				100		%
Iron	56-2	15148.10	14891.67	14865.94	14968.57	1.04	ppb
Iron	57-2	15796.59	15296.43	15516.40	15536.47	1.61	ppb
Iron	54-2	15215.96	14961.36	14877.50	15018.27	1.17	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-14	Instrumnet Name :	P7
Client Sample ID :	MH2GQ0	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:20:11	DataFile Name :	042SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	589.16	577.20	597.29	587.88	1.72	ppb
Lead	207-1	569.50	559.71	578.62	569.28	1.66	ppb
Lead	208-1	577.98	571.65	582.51	577.38	0.94	ppb
Lithium	6-1				102		%
Magnesium	24-2	8219.60	8209.22	8199.58	8209.46	0.12	ppb
Manganese	55-2	1093.66	1081.65	1068.06	1081.12	1.18	ppb
Molybdenum	94-1	6.77	6.87	6.93	6.86	1.24	ppb
Molybdenum	95-1	1.07	1.10	1.14	1.11	3.12	ppb
Molybdenum	96-1	1.74	1.76	1.77	1.75	1.01	ppb
Molybdenum	97-1	1.08	1.11	1.11	1.10	1.37	ppb
Molybdenum	98-1	1.08	1.08	1.11	1.09	1.64	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	98.50	97.18	96.66	97.45	0.97	ppb
Phosphorus	31-2	3751.59	3714.87	3720.25	3728.90	0.53	ppb
Potassium	39-2	5469.13	5461.36	5466.52	5465.67	0.07	ppb
Rhodium	103-1				97		%
Rhodium	103-2				97		%
Scandium	45-1				100		%
Scandium	45-2				101		%
Selenium	82-1	1.67	1.38	1.37	1.47	11.55	ppb
Selenium	77-2	17.93	20.33	18.02	18.76	7.24	ppb
Selenium	78-2	3.81	4.85	4.27	4.31	12.07	ppb
Silicon	28-1	2855.56	2903.51	2924.52	2894.53	1.22	ppb
Silver	107-1	1.23	1.21	1.23	1.22	0.76	ppb
Silver	109-1	1.20	1.19	1.21	1.20	0.53	ppb
Sodium	23-2	1082.11	1061.13	1053.15	1065.46	1.40	ppb
Strontium	86-1	13867.78	14050.27	14221.18	14046.41	1.26	ppb
Strontium	88-1	13865.80	14039.54	14005.01	13970.12	0.66	ppb
Sulfur	34-1	2193.30	2190.63	2262.61	2215.51	1.84	ppb
Terbium	159-1				107		%
Terbium	159-2				107		%
Thallium	203-1	0.43	0.41	0.44	0.43	3.23	ppb
Thallium	205-1	0.43	0.42	0.43	0.43	1.39	ppb
Tin	118-1	1.08	1.10	1.04	1.07	2.74	ppb
Titanium	47-1	177.26	177.02	180.61	178.30	1.13	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-14	Instrumnet Name :	P7
Client Sample ID :	MH2GQ0	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:20:11	DataFile Name :	042SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	4.26	4.24	4.27	4.25	0.32	ppb
Vanadium	51-2	51.70	50.91	51.08	51.23	0.81	ppb
Yttrium	89-1				111		%
Yttrium	89-2				109		%
Zinc	66-2	595.12	585.30	590.13	590.19	0.83	ppb
Zirconium	90-1	3.28	3.40	3.38	3.35	1.90	ppb
Zirconium	91-1	3.30	3.36	3.40	3.36	1.57	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-15	Instrumnet Name :	P7
Client Sample ID :	MH2GQ1	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:23:14	DataFile Name :	043SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	18028.68	18226.67	18187.76	18147.70	0.58	ppb
Antimony	121-1	0.96	1.00	1.01	0.99	2.54	ppb
Arsenic	75-2	19.49	19.86	19.85	19.73	1.08	ppb
Barium	135-1	741.93	779.39	796.66	772.66	3.62	ppb
Barium	137-1	744.77	786.58	792.34	774.56	3.35	ppb
Beryllium	9-1	2.13	2.39	2.25	2.26	5.88	ppb
Bismuth	209-1				106		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	7.50	7.98	7.83	7.77	3.15	ppb
Cadmium	106-1	8.73	10.17	10.00	9.64	8.17	ppb
Cadmium	111-1	7.68	8.20	8.18	8.02	3.68	ppb
Calcium	43-1	165597.80	176661.81	173909.71	172056.44	3.35	ppb
Calcium	44-1	164666.65	175838.88	174111.45	171538.99	3.51	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	20.16	20.33	20.08	20.19	0.62	ppb
Cobalt	59-2	13.54	13.46	13.36	13.45	0.66	ppb
Copper	63-2	108.86	110.08	108.54	109.16	0.75	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				105		%
Indium	115-1				104		%
Indium	115-2				101		%
Iron	56-2	16256.13	16582.46	16354.43	16397.67	1.02	ppb
Iron	57-2	17107.87	17354.03	17282.60	17248.17	0.73	ppb
Iron	54-2	16563.54	16373.18	16496.00	16477.57	0.59	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-15	Instrumnet Name :	P7
Client Sample ID :	MH2GQ1	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:23:14	DataFile Name :	043SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	644.20	683.90	681.91	670.01	3.34	ppb
Lead	207-1	630.42	664.10	659.06	651.19	2.79	ppb
Lead	208-1	635.61	671.03	669.89	658.84	3.05	ppb
Lithium	6-1				103		%
Magnesium	24-2	7899.83	8032.90	8038.13	7990.28	0.98	ppb
Manganese	55-2	1105.34	1111.27	1095.33	1103.98	0.73	ppb
Molybdenum	94-1	7.67	8.00	8.11	7.93	2.85	ppb
Molybdenum	95-1	1.33	1.42	1.41	1.39	3.80	ppb
Molybdenum	96-1	2.05	2.12	2.24	2.14	4.58	ppb
Molybdenum	97-1	1.41	1.40	1.42	1.41	0.62	ppb
Molybdenum	98-1	1.39	1.42	1.43	1.41	1.28	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	99.39	99.45	98.71	99.19	0.41	ppb
Phosphorus	31-2	3848.84	3891.45	3829.27	3856.52	0.82	ppb
Potassium	39-2	4707.12	4832.80	4749.11	4763.01	1.34	ppb
Rhodium	103-1				99		%
Rhodium	103-2				97		%
Scandium	45-1				101		%
Scandium	45-2				100		%
Selenium	82-1	1.54	2.06	1.67	1.76	15.54	ppb
Selenium	77-2	20.39	16.90	19.99	19.09	10.01	ppb
Selenium	78-2	4.44	4.49	4.31	4.41	2.10	ppb
Silicon	28-1	2526.59	2673.65	2733.73	2644.66	4.03	ppb
Silver	107-1	1.66	1.79	1.78	1.74	4.11	ppb
Silver	109-1	1.66	1.79	1.81	1.75	4.69	ppb
Sodium	23-2	1509.73	1548.56	1506.78	1521.69	1.53	ppb
Strontium	86-1	14001.13	14439.67	14345.16	14261.99	1.62	ppb
Strontium	88-1	13906.18	14347.32	14519.69	14257.73	2.22	ppb
Sulfur	34-1	5270.38	5723.14	5812.19	5601.90	5.19	ppb
Terbium	159-1				108		%
Terbium	159-2				106		%
Thallium	203-1	0.46	0.49	0.48	0.48	3.49	ppb
Thallium	205-1	0.45	0.48	0.48	0.47	3.15	ppb
Tin	118-1	1.67	1.78	1.77	1.74	3.29	ppb
Titanium	47-1	206.85	219.06	219.66	215.19	3.36	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-15	Instrumnet Name :	P7
Client Sample ID :	MH2GQ1	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:23:14	DataFile Name :	043SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	4.42	4.67	4.67	4.59	3.08	ppb
Vanadium	51-2	57.62	58.09	57.58	57.76	0.49	ppb
Yttrium	89-1				113		%
Yttrium	89-2				109		%
Zinc	66-2	652.52	657.12	654.75	654.80	0.35	ppb
Zirconium	90-1	3.71	3.91	3.90	3.84	2.89	ppb
Zirconium	91-1	3.79	3.97	4.05	3.94	3.38	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-01	Instrumnet Name :	P7
Client Sample ID :	MH2GT6	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:26:15	DataFile Name :	044SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	7341.41	7328.76	7315.83	7328.67	0.17	ppb
Antimony	121-1	5.86	5.76	5.88	5.83	1.12	ppb
Arsenic	75-2	16.58	16.37	16.52	16.49	0.67	ppb
Barium	135-1	1216.23	1220.04	1231.65	1222.64	0.66	ppb
Barium	137-1	1213.20	1219.08	1228.24	1220.17	0.62	ppb
Beryllium	9-1	1.56	1.59	1.69	1.61	4.28	ppb
Bismuth	209-1				107		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	7.88	7.64	7.32	7.61	3.67	ppb
Cadmium	106-1	8.38	8.52	8.12	8.34	2.43	ppb
Cadmium	111-1	7.39	7.44	7.48	7.44	0.59	ppb
Calcium	43-1	95576.40	94512.61	95219.48	95102.83	0.57	ppb
Calcium	44-1	94740.27	94448.31	95257.83	94815.47	0.43	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	40.20	40.63	39.81	40.21	1.02	ppb
Cobalt	59-2	13.43	13.77	13.47	13.56	1.39	ppb
Copper	63-2	155.29	152.16	153.74	153.73	1.02	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				108		%
Indium	115-1				104		%
Indium	115-2				102		%
Iron	56-2	10586.23	10804.48	10492.75	10627.82	1.51	ppb
Iron	57-2	10840.18	11246.38	10935.73	11007.43	1.93	ppb
Iron	54-2	10575.47	10789.24	10613.50	10659.40	1.07	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-01	Instrumnet Name :	P7
Client Sample ID :	MH2GT6	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:26:15	DataFile Name :	044SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	5811.65	5924.75	5953.30	5896.57	1.27	ppb
Lead	207-1	5374.96	5540.62	5557.73	5491.10	1.84	ppb
Lead	208-1	5549.92	5635.28	5712.98	5632.73	1.45	ppb
Lithium	6-1				102		%
Magnesium	24-2	6638.31	6647.47	6551.90	6612.56	0.80	ppb
Manganese	55-2	674.14	701.04	682.53	685.91	2.01	ppb
Molybdenum	94-1	5.25	5.23	5.27	5.25	0.45	ppb
Molybdenum	95-1	2.11	2.15	2.15	2.13	1.06	ppb
Molybdenum	96-1	2.49	2.49	2.46	2.48	0.76	ppb
Molybdenum	97-1	2.18	2.14	2.15	2.16	0.79	ppb
Molybdenum	98-1	2.12	2.15	2.16	2.14	0.94	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	16.88	17.07	16.80	16.92	0.83	ppb
Phosphorus	31-2	2820.82	2941.17	2819.75	2860.58	2.44	ppb
Potassium	39-2	7175.94	7397.33	7178.39	7250.56	1.75	ppb
Rhodium	103-1				100		%
Rhodium	103-2				101		%
Scandium	45-1				100		%
Scandium	45-2				102		%
Selenium	82-1	1.49	1.54	1.77	1.60	9.43	ppb
Selenium	77-2	12.66	11.94	13.45	12.68	5.97	ppb
Selenium	78-2	3.58	2.69	3.88	3.38	18.37	ppb
Silicon	28-1	1837.60	1817.31	1832.90	1829.27	0.58	ppb
Silver	107-1	1.22	1.26	1.26	1.25	1.79	ppb
Silver	109-1	1.19	1.24	1.27	1.23	3.17	ppb
Sodium	23-2	27129.71	27432.88	27011.12	27191.23	0.80	ppb
Strontium	86-1	10229.75	10076.85	10224.17	10176.92	0.85	ppb
Strontium	88-1	10122.56	10064.32	10111.44	10099.44	0.31	ppb
Sulfur	34-1	10983.23	10575.32	10766.23	10774.93	1.89	ppb
Terbium	159-1				108		%
Terbium	159-2				109		%
Thallium	203-1	0.26	0.27	0.25	0.26	2.99	ppb
Thallium	205-1	0.26	0.26	0.25	0.26	1.81	ppb
Tin	118-1	16.08	16.12	16.31	16.17	0.77	ppb
Titanium	47-1	60.01	59.95	59.77	59.91	0.21	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-01	Instrumnet Name :	P7
Client Sample ID :	MH2GT6	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:26:15	DataFile Name :	044SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	4.07	4.10	4.21	4.12	1.82	ppb
Vanadium	51-2	12.20	12.40	12.29	12.30	0.82	ppb
Yttrium	89-1				108		%
Yttrium	89-2				106		%
Zinc	66-2	1708.74	1706.68	1724.87	1713.43	0.58	ppb
Zirconium	90-1	1.98	1.97	2.00	1.98	0.93	ppb
Zirconium	91-1	1.95	1.96	2.04	1.98	2.47	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	CCV002	Instrumnet Name :	P7
Client Sample ID :	CCV002	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:29:12	DataFile Name :	045CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	48511.02	47000.68	47445.19	47652.30	1.63	ppb
Antimony	121-1	442.52	476.19	481.72	466.81	4.54	ppb
Arsenic	75-2	509.66	511.79	514.99	512.15	0.52	ppb
Barium	135-1	2182.95	2336.91	2385.87	2301.91	4.60	ppb
Barium	137-1	2192.47	2322.43	2352.48	2289.13	3.72	ppb
Beryllium	9-1	439.82	469.08	475.99	461.63	4.16	ppb
Bismuth	209-1				96		%
Bismuth	209-2				92		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	451.16	487.01	495.22	477.80	4.90	ppb
Cadmium	106-1	454.73	486.28	494.39	478.46	4.38	ppb
Cadmium	111-1	456.35	486.51	501.64	481.50	4.79	ppb
Calcium	43-1	217805.98	237679.41	239656.22	231713.87	5.22	ppb
Calcium	44-1	218252.58	239613.06	241324.75	233063.46	5.52	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	482.78	478.34	488.22	483.12	1.02	ppb
Cobalt	59-2	494.61	480.81	492.05	489.16	1.50	ppb
Copper	63-2	5062.03	4952.90	4995.77	5003.56	1.10	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				101		%
Indium	115-1				96		%
Indium	115-2				94		%
Iron	56-2	122056.62	118504.78	120855.10	120472.17	1.50	ppb
Iron	57-2	123943.27	119487.30	121153.70	121528.09	1.85	ppb
Iron	54-2	120797.59	119604.98	122195.32	120865.96	1.07	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	CCV002	Instrumnet Name :	P7
Client Sample ID :	CCV002	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:29:12	DataFile Name :	045CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2220.42	2392.03	2407.76	2340.07	4.44	ppb
Lead	207-1	2191.10	2387.84	2389.54	2322.83	4.91	ppb
Lead	208-1	2183.12	2377.37	2388.85	2316.44	4.99	ppb
Lithium	6-1				96		%
Magnesium	24-2	245516.53	239503.31	239134.31	241384.72	1.48	ppb
Manganese	55-2	4870.46	4773.26	4871.13	4838.28	1.16	ppb
Molybdenum	94-1	4334.09	4660.24	4833.41	4609.25	5.50	ppb
Molybdenum	95-1	4338.49	4688.58	4835.18	4620.75	5.52	ppb
Molybdenum	96-1	4346.43	4691.88	4811.80	4616.70	5.23	ppb
Molybdenum	97-1	4333.84	4682.44	4796.85	4604.38	5.24	ppb
Molybdenum	98-1	4372.80	4669.30	4781.71	4607.94	4.58	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	491.94	478.25	484.65	484.95	1.41	ppb
Phosphorus	31-2	9623.60	9494.51	9458.76	9525.62	0.91	ppb
Potassium	39-2	121871.36	120407.77	118718.97	120332.70	1.31	ppb
Rhodium	103-1				91		%
Rhodium	103-2				90		%
Scandium	45-1				95		%
Scandium	45-2				97		%
Selenium	82-1	445.93	479.73	493.18	472.95	5.15	ppb
Selenium	77-2	502.48	499.22	510.22	503.97	1.12	ppb
Selenium	78-2	496.27	504.97	496.64	499.29	0.98	ppb
Silicon	28-1	496.51	537.97	549.25	527.91	5.26	ppb
Silver	107-1	451.47	483.23	484.79	473.16	3.97	ppb
Silver	109-1	454.08	484.51	496.42	478.34	4.56	ppb
Sodium	23-2	248879.07	241124.96	243512.26	244505.43	1.62	ppb
Strontium	86-1	10861.98	11744.63	12111.51	11572.71	5.55	ppb
Strontium	88-1	10769.11	11667.12	11900.10	11445.44	5.22	ppb
Sulfur	34-1	9014.73	9740.80	9840.57	9532.03	4.73	ppb
Terbium	159-1				103		%
Terbium	159-2				102		%
Thallium	203-1	438.27	481.65	486.71	468.88	5.68	ppb
Thallium	205-1	441.69	478.72	484.06	468.16	4.93	ppb
Tin	118-1	431.43	459.59	470.59	453.87	4.45	ppb
Titanium	47-1	4264.76	4699.94	4661.45	4542.05	5.30	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	CCV002	Instrumnet Name :	P7
Client Sample ID :	CCV002	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:29:12	DataFile Name :	045CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	440.69	473.67	484.37	466.24	4.88	ppb
Vanadium	51-2	501.48	487.84	494.35	494.56	1.38	ppb
Yttrium	89-1				99		%
Yttrium	89-2				97		%
Zinc	66-2	5062.43	4949.61	4945.76	4985.93	1.33	ppb
Zirconium	90-1	435.93	475.61	480.64	464.06	5.28	ppb
Zirconium	91-1	439.50	474.53	488.92	467.65	5.44	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	CCB002	Instrumnet Name :	P7
Client Sample ID :	CCB002	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:31:52	DataFile Name :	046CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.31	0.15	-0.08	0.13	150.78	ppb
Antimony	121-1	0.16	0.18	0.24	0.20	20.14	ppb
Arsenic	75-2	0.01	0.01	-0.01	0.00	284.77	ppb
Barium	135-1	0.19	0.11	0.05	0.12	57.54	ppb
Barium	137-1	0.20	0.10	0.06	0.12	58.35	ppb
Beryllium	9-1	0.05	0.07	0.02	0.04	46.65	ppb
Bismuth	209-1				103		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.02	-0.02	0.00	0.00	1755.55	ppb
Cadmium	106-1	1.20	0.63	0.16	0.66	78.79	ppb
Cadmium	111-1	0.14	0.08	0.03	0.09	66.17	ppb
Calcium	43-1	9.31	0.58	-4.08	1.94	350.97	ppb
Calcium	44-1	15.07	5.43	0.42	6.97	106.81	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.01	-0.02	-0.03	-0.02		ppb
Cobalt	59-2	0.01	0.01	0.01	0.01	29.05	ppb
Copper	63-2	0.08	0.08	0.05	0.07	20.65	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				102		%
Holmium	165-2				102		%
Indium	115-1				100		%
Indium	115-2				99		%
Iron	56-2	0.20	-0.24	-0.70	-0.25		ppb
Iron	57-2	-0.26	-1.72	-1.58	-1.19		ppb
Iron	54-2	0.03	-0.81	-1.29	-0.69		ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	CCB002	Instrumnet Name :	P7
Client Sample ID :	CCB002	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:31:52	DataFile Name :	046CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.07	0.00	-0.05	0.01	1203.48	ppb
Lead	207-1	0.07	-0.01	-0.05	0.00	2280.52	ppb
Lead	208-1	0.08	-0.01	-0.06	0.00	1403.21	ppb
Lithium	6-1				102		%
Magnesium	24-2	3.81	2.86	2.35	3.01	24.67	ppb
Manganese	55-2	-0.04	-0.07	-0.08	-0.06		ppb
Molybdenum	94-1	0.46	0.33	0.29	0.36	24.52	ppb
Molybdenum	95-1	0.48	0.32	0.27	0.35	30.36	ppb
Molybdenum	96-1	0.47	0.30	0.27	0.35	31.03	ppb
Molybdenum	97-1	0.48	0.34	0.29	0.37	27.47	ppb
Molybdenum	98-1	0.48	0.32	0.26	0.35	31.25	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.19	-0.18	-0.19	-0.19		ppb
Phosphorus	31-2	-15.25	-12.96	-14.55	-14.25		ppb
Potassium	39-2	9.61	10.09	7.41	9.04	15.84	ppb
Rhodium	103-1				97		%
Rhodium	103-2				99		%
Scandium	45-1				94		%
Scandium	45-2				97		%
Selenium	82-1	-0.08	-0.15	-0.14	-0.12		ppb
Selenium	77-2	0.08	0.00	0.00	0.03	173.21	ppb
Selenium	78-2	-0.38	-0.46	-0.75	-0.53		ppb
Silicon	28-1	-2.96	-3.75	-4.13	-3.61		ppb
Silver	107-1	0.06	0.04	0.03	0.04	38.91	ppb
Silver	109-1	0.06	0.04	0.03	0.04	38.89	ppb
Sodium	23-2	15.63	15.56	12.87	14.69	10.71	ppb
Strontium	86-1	0.86	0.68	0.14	0.56	66.25	ppb
Strontium	88-1	0.81	0.42	0.17	0.47	68.54	ppb
Sulfur	34-1	-154.16	-188.05	-186.16	-176.12		ppb
Terbium	159-1				101		%
Terbium	159-2				103		%
Thallium	203-1	0.06	0.04	0.03	0.04	35.63	ppb
Thallium	205-1	0.06	0.04	0.03	0.04	37.89	ppb
Tin	118-1	-0.02	-0.02	-0.03	-0.02		ppb
Titanium	47-1	0.13	-0.02	-0.12	0.00		ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	CCB002	Instrumnet Name :	P7
Client Sample ID :	CCB002	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:31:52	DataFile Name :	046CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.04	0.02	0.02	0.03	45.10	ppb
Vanadium	51-2	0.01	0.00	0.00	0.00	37.50	ppb
Yttrium	89-1				97		%
Yttrium	89-2				97		%
Zinc	66-2	-1.90	-1.85	-1.90	-1.88		ppb
Zirconium	90-1	0.04	0.03	0.03	0.03	21.74	ppb
Zirconium	91-1	0.04	0.03	0.03	0.03	23.22	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-02	Instrumnet Name :	P7
Client Sample ID :	MH2GT7	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:35:07	DataFile Name :	047SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	5733.15	5771.57	5690.61	5731.78	0.71	ppb
Antimony	121-1	3.25	3.22	3.24	3.24	0.55	ppb
Arsenic	75-2	22.54	22.63	22.59	22.58	0.20	ppb
Barium	135-1	857.41	861.62	848.92	855.98	0.76	ppb
Barium	137-1	857.50	854.20	852.73	854.81	0.29	ppb
Beryllium	9-1	0.55	0.58	0.59	0.57	4.07	ppb
Bismuth	209-1				106		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	10.27	9.89	9.69	9.95	2.98	ppb
Cadmium	106-1	12.70	11.28	11.36	11.78	6.76	ppb
Cadmium	111-1	9.90	9.78	9.86	9.85	0.67	ppb
Calcium	43-1	99274.58	99430.40	99312.22	99339.06	0.08	ppb
Calcium	44-1	99249.54	98765.14	98724.73	98913.13	0.30	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	69.21	70.12	68.68	69.34	1.05	ppb
Cobalt	59-2	9.59	9.84	9.57	9.66	1.56	ppb
Copper	63-2	252.62	260.58	257.03	256.74	1.55	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				107		%
Indium	115-1				102		%
Indium	115-2				101		%
Iron	56-2	10395.19	10626.72	10406.82	10476.24	1.25	ppb
Iron	57-2	10926.43	11223.68	10933.41	11027.84	1.54	ppb
Iron	54-2	10428.74	10534.47	10527.57	10496.93	0.56	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-02	Instrumnet Name :	P7
Client Sample ID :	MH2GT7	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:35:07	DataFile Name :	047SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	3204.61	3163.59	3225.32	3197.84	0.98	ppb
Lead	207-1	2905.46	2894.14	2932.77	2910.79	0.68	ppb
Lead	208-1	3029.38	3016.85	3047.66	3031.30	0.51	ppb
Lithium	6-1				106		%
Magnesium	24-2	5289.34	5358.98	5279.09	5309.13	0.82	ppb
Manganese	55-2	866.28	880.52	866.18	871.00	0.95	ppb
Molybdenum	94-1	19.54	19.85	19.47	19.62	1.05	ppb
Molybdenum	95-1	1.48	1.45	1.47	1.46	1.10	ppb
Molybdenum	96-1	3.48	3.41	3.47	3.45	1.13	ppb
Molybdenum	97-1	1.46	1.44	1.46	1.45	0.70	ppb
Molybdenum	98-1	1.43	1.45	1.48	1.45	1.74	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	24.45	24.75	24.28	24.49	0.98	ppb
Phosphorus	31-2	2334.25	2394.28	2330.77	2353.10	1.52	ppb
Potassium	39-2	5815.96	5998.11	5974.45	5929.51	1.67	ppb
Rhodium	103-1				98		%
Rhodium	103-2				100		%
Scandium	45-1				97		%
Scandium	45-2				100		%
Selenium	82-1	1.55	1.28	1.31	1.38	10.55	ppb
Selenium	77-2	6.27	5.23	6.22	5.90	9.91	ppb
Selenium	78-2	1.57	2.82	1.86	2.08	31.48	ppb
Silicon	28-1	1605.73	1626.32	1626.09	1619.38	0.73	ppb
Silver	107-1	2.20	2.23	2.24	2.22	0.93	ppb
Silver	109-1	2.19	2.20	2.21	2.20	0.54	ppb
Sodium	23-2	16399.54	16390.67	16091.94	16294.05	1.07	ppb
Strontium	86-1	9901.66	9683.33	9872.76	9819.25	1.21	ppb
Strontium	88-1	9676.68	9669.57	9728.50	9691.58	0.33	ppb
Sulfur	34-1	20559.90	20726.75	21216.74	20834.46	1.64	ppb
Terbium	159-1				106		%
Terbium	159-2				108		%
Thallium	203-1	0.24	0.24	0.25	0.25	1.46	ppb
Thallium	205-1	0.25	0.24	0.24	0.24	1.65	ppb
Tin	118-1	13.82	13.78	13.57	13.72	0.97	ppb
Titanium	47-1	110.22	109.99	110.49	110.23	0.23	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-02	Instrumnet Name :	P7
Client Sample ID :	MH2GT7	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:35:07	DataFile Name :	047SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.44	1.45	1.47	1.46	1.11	ppb
Vanadium	51-2	13.98	14.24	14.11	14.11	0.94	ppb
Yttrium	89-1				103		%
Yttrium	89-2				103		%
Zinc	66-2	2130.95	2190.58	2127.32	2149.62	1.65	ppb
Zirconium	90-1	10.27	10.24	10.63	10.38	2.08	ppb
Zirconium	91-1	10.40	10.39	10.82	10.53	2.32	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-03	Instrumnet Name :	P7
Client Sample ID :	MH2GT8	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:38:02	DataFile Name :	048SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10490.74	10892.04	10697.37	10693.38	1.88	ppb
Antimony	121-1	6.16	6.36	6.34	6.29	1.74	ppb
Arsenic	75-2	11.96	11.77	12.31	12.01	2.27	ppb
Barium	135-1	769.19	785.01	797.76	783.99	1.83	ppb
Barium	137-1	762.59	782.02	793.91	779.51	2.03	ppb
Beryllium	9-1	0.87	0.93	0.93	0.91	4.09	ppb
Bismuth	209-1				105		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	49.35	51.21	52.10	50.89	2.75	ppb
Cadmium	106-1	50.23	51.47	52.19	51.30	1.93	ppb
Cadmium	111-1	53.03	54.51	54.83	54.12	1.78	ppb
Calcium	43-1	67969.64	71496.58	70365.11	69943.78	2.57	ppb
Calcium	44-1	68791.51	70836.83	69951.37	69859.90	1.47	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	58.45	60.42	58.11	58.99	2.12	ppb
Cobalt	59-2	10.07	10.50	10.10	10.22	2.37	ppb
Copper	63-2	235.91	237.36	233.55	235.61	0.82	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				104		%
Indium	115-1				101		%
Indium	115-2				98		%
Iron	56-2	18951.71	19421.36	18790.75	19054.60	1.72	ppb
Iron	57-2	18837.36	19480.01	18885.37	19067.58	1.88	ppb
Iron	54-2	18682.00	19275.78	18847.17	18934.98	1.62	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-03	Instrumnet Name :	P7
Client Sample ID :	MH2GT8	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:38:02	DataFile Name :	048SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	443.19	457.48	452.00	450.89	1.60	ppb
Lead	207-1	423.87	432.44	430.84	429.05	1.06	ppb
Lead	208-1	428.97	439.83	436.83	435.21	1.29	ppb
Lithium	6-1				102		%
Magnesium	24-2	8847.92	9248.79	9013.55	9036.75	2.23	ppb
Manganese	55-2	917.32	951.76	919.42	929.50	2.08	ppb
Molybdenum	94-1	20.43	20.95	21.04	20.80	1.58	ppb
Molybdenum	95-1	2.20	2.21	2.18	2.20	0.65	ppb
Molybdenum	96-1	4.18	4.31	4.22	4.24	1.55	ppb
Molybdenum	97-1	2.21	2.28	2.19	2.23	2.01	ppb
Molybdenum	98-1	2.20	2.22	2.25	2.22	1.13	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	43.79	44.82	43.97	44.19	1.25	ppb
Phosphorus	31-2	3572.33	3651.13	3538.92	3587.46	1.61	ppb
Potassium	39-2	15831.45	15914.64	15774.34	15840.15	0.45	ppb
Rhodium	103-1				97		%
Rhodium	103-2				98		%
Scandium	45-1				96		%
Scandium	45-2				99		%
Selenium	82-1	1.01	1.46	1.53	1.33	21.13	ppb
Selenium	77-2	9.43	9.72	10.94	10.03	7.97	ppb
Selenium	78-2	3.99	4.19	4.35	4.18	4.40	ppb
Silicon	28-1	2839.47	3034.48	2960.24	2944.73	3.34	ppb
Silver	107-1	2.06	2.11	2.12	2.10	1.64	ppb
Silver	109-1	2.02	2.05	2.13	2.07	2.92	ppb
Sodium	23-2	25625.57	26673.88	26105.08	26134.85	2.01	ppb
Strontium	86-1	8291.95	8648.63	8407.68	8449.42	2.15	ppb
Strontium	88-1	8280.27	8510.37	8475.65	8422.10	1.47	ppb
Sulfur	34-1	8052.08	8538.21	8390.01	8326.77	2.99	ppb
Terbium	159-1				106		%
Terbium	159-2				105		%
Thallium	203-1	0.25	0.25	0.25	0.25	0.46	ppb
Thallium	205-1	0.26	0.26	0.26	0.26	1.16	ppb
Tin	118-1	31.16	31.83	32.47	31.82	2.06	ppb
Titanium	47-1	206.71	213.51	214.14	211.45	1.95	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-03	Instrumnet Name :	P7
Client Sample ID :	MH2GT8	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:38:02	DataFile Name :	048SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	2.17	2.21	2.22	2.20	1.03	ppb
Vanadium	51-2	25.39	26.01	25.67	25.69	1.21	ppb
Yttrium	89-1				104		%
Yttrium	89-2				103		%
Zinc	66-2	3094.89	3120.70	3093.44	3103.01	0.49	ppb
Zirconium	90-1	10.57	10.84	10.83	10.75	1.46	ppb
Zirconium	91-1	10.66	10.99	10.86	10.84	1.53	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-04	Instrumnet Name :	P7
Client Sample ID :	MH2GT9	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:41:00	DataFile Name :	049SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	5407.99	5302.39	5360.75	5357.04	0.99	ppb
Antimony	121-1	5.21	5.23	5.23	5.22	0.24	ppb
Arsenic	75-2	9.96	9.91	10.13	10.00	1.16	ppb
Barium	135-1	258.49	259.23	266.76	261.49	1.75	ppb
Barium	137-1	262.45	258.85	261.25	260.85	0.70	ppb
Beryllium	9-1	0.28	0.35	0.36	0.33	14.03	ppb
Bismuth	209-1				103		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	13.47	13.48	13.46	13.47	0.09	ppb
Cadmium	106-1	13.91	13.56	12.75	13.41	4.42	ppb
Cadmium	111-1	12.82	12.86	12.90	12.86	0.31	ppb
Calcium	43-1	82166.26	83412.27	84507.68	83362.07	1.41	ppb
Calcium	44-1	82520.55	83631.89	83150.40	83100.95	0.67	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	21.86	21.44	21.35	21.55	1.28	ppb
Cobalt	59-2	4.31	4.18	4.23	4.24	1.57	ppb
Copper	63-2	5112.30	4903.95	4984.59	5000.28	2.10	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				103		%
Indium	115-1				100		%
Indium	115-2				99		%
Iron	56-2	8985.84	8717.56	8789.90	8831.10	1.57	ppb
Iron	57-2	9271.33	9109.44	9068.86	9149.88	1.17	ppb
Iron	54-2	9009.64	8746.05	8795.68	8850.46	1.58	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-04	Instrumnet Name :	P7
Client Sample ID :	MH2GT9	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:41:00	DataFile Name :	049SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1151.31	1184.20	1162.05	1165.86	1.44	ppb
Lead	207-1	1112.87	1152.99	1145.01	1136.96	1.87	ppb
Lead	208-1	1123.20	1163.05	1155.16	1147.13	1.84	ppb
Lithium	6-1				97		%
Magnesium	24-2	6345.62	6019.36	6106.87	6157.28	2.74	ppb
Manganese	55-2	295.98	288.26	290.69	291.64	1.35	ppb
Molybdenum	94-1	12.88	13.28	12.90	13.02	1.74	ppb
Molybdenum	95-1	6.52	6.78	6.68	6.66	1.95	ppb
Molybdenum	96-1	7.26	7.43	7.31	7.33	1.20	ppb
Molybdenum	97-1	6.65	6.88	6.73	6.75	1.74	ppb
Molybdenum	98-1	6.63	6.81	6.81	6.75	1.55	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	31.47	30.29	30.38	30.71	2.14	ppb
Phosphorus	31-2	1796.42	1753.19	1777.48	1775.70	1.22	ppb
Potassium	39-2	3596.39	3465.04	3543.48	3534.97	1.87	ppb
Rhodium	103-1				96		%
Rhodium	103-2				97		%
Scandium	45-1				95		%
Scandium	45-2				96		%
Selenium	82-1	5.14	4.80	4.83	4.92	3.86	ppb
Selenium	77-2	9.69	10.18	11.26	10.38	7.73	ppb
Selenium	78-2	5.03	7.23	6.86	6.37	18.44	ppb
Silicon	28-1	1467.40	1458.24	1468.54	1464.73	0.39	ppb
Silver	107-1	2.15	2.16	2.17	2.16	0.53	ppb
Silver	109-1	2.15	2.18	2.17	2.17	0.75	ppb
Sodium	23-2	24289.77	23692.79	23418.76	23800.44	1.87	ppb
Strontium	86-1	12703.58	12930.06	12944.97	12859.54	1.05	ppb
Strontium	88-1	12707.06	12845.66	12831.85	12794.85	0.60	ppb
Sulfur	34-1	32109.51	32548.36	32149.65	32269.17	0.75	ppb
Terbium	159-1				104		%
Terbium	159-2				104		%
Thallium	203-1	0.15	0.15	0.14	0.15	2.95	ppb
Thallium	205-1	0.14	0.15	0.14	0.15	2.40	ppb
Tin	118-1	42.35	43.35	42.28	42.66	1.41	ppb
Titanium	47-1	131.14	134.52	134.15	133.27	1.39	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-04	Instrumnet Name :	P7
Client Sample ID :	MH2GT9	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:41:00	DataFile Name :	049SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	2.20	2.28	2.28	2.25	2.15	ppb
Vanadium	51-2	30.95	30.47	30.58	30.67	0.81	ppb
Yttrium	89-1				101		%
Yttrium	89-2				101		%
Zinc	66-2	4271.98	4167.10	4185.26	4208.11	1.33	ppb
Zirconium	90-1	4.18	4.29	4.26	4.25	1.31	ppb
Zirconium	91-1	4.17	4.33	4.23	4.24	1.87	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-05	Instrumnet Name :	P7
Client Sample ID :	MH2GT9D	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:43:55	DataFile Name :	050SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	5388.05	5365.72	5506.61	5420.13	1.40	ppb
Antimony	121-1	5.29	5.39	5.36	5.34	0.99	ppb
Arsenic	75-2	10.05	10.15	10.17	10.12	0.59	ppb
Barium	135-1	271.55	273.19	269.54	271.43	0.67	ppb
Barium	137-1	270.23	274.15	270.45	271.61	0.81	ppb
Beryllium	9-1	0.35	0.33	0.35	0.34	3.98	ppb
Bismuth	209-1				105		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	14.95	16.18	15.55	15.56	3.95	ppb
Cadmium	106-1	15.59	16.62	15.89	16.03	3.31	ppb
Cadmium	111-1	15.03	15.27	15.08	15.13	0.84	ppb
Calcium	43-1	85393.48	85018.18	85287.81	85233.15	0.23	ppb
Calcium	44-1	83929.28	84954.09	85622.33	84835.23	1.01	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	21.52	21.92	21.52	21.66	1.07	ppb
Cobalt	59-2	4.35	4.38	4.36	4.36	0.36	ppb
Copper	63-2	4307.15	4367.26	4335.49	4336.63	0.69	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				104		%
Indium	115-1				101		%
Indium	115-2				99		%
Iron	56-2	8922.09	9106.43	8961.43	8996.65	1.08	ppb
Iron	57-2	9465.19	9526.59	9514.34	9502.04	0.34	ppb
Iron	54-2	8990.81	9164.25	8968.16	9041.08	1.19	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-05	Instrumnet Name :	P7
Client Sample ID :	MH2GT9D	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:43:55	DataFile Name :	050SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1388.61	1381.58	1417.79	1395.99	1.38	ppb
Lead	207-1	1346.00	1337.66	1362.22	1348.63	0.93	ppb
Lead	208-1	1354.45	1351.17	1382.71	1362.78	1.27	ppb
Lithium	6-1				96		%
Magnesium	24-2	6208.14	6261.82	6295.19	6255.05	0.70	ppb
Manganese	55-2	294.38	302.82	294.63	297.28	1.61	ppb
Molybdenum	94-1	13.32	13.68	13.71	13.57	1.59	ppb
Molybdenum	95-1	6.76	6.84	6.88	6.83	0.94	ppb
Molybdenum	96-1	7.51	7.65	7.56	7.57	0.95	ppb
Molybdenum	97-1	6.83	6.94	6.96	6.91	1.00	ppb
Molybdenum	98-1	6.79	6.87	6.98	6.88	1.38	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	30.01	30.30	30.10	30.14	0.48	ppb
Phosphorus	31-2	1773.39	1791.75	1828.09	1797.74	1.55	ppb
Potassium	39-2	3522.41	3707.89	3701.61	3643.97	2.89	ppb
Rhodium	103-1				97		%
Rhodium	103-2				97		%
Scandium	45-1				95		%
Scandium	45-2				97		%
Selenium	82-1	4.76	5.08	5.18	5.01	4.38	ppb
Selenium	77-2	12.33	13.13	12.59	12.68	3.23	ppb
Selenium	78-2	5.48	6.40	5.89	5.92	7.79	ppb
Silicon	28-1	1441.97	1443.54	1461.80	1449.10	0.76	ppb
Silver	107-1	2.12	2.16	2.16	2.15	1.21	ppb
Silver	109-1	2.13	2.13	2.15	2.14	0.68	ppb
Sodium	23-2	23934.73	23988.08	23945.47	23956.09	0.12	ppb
Strontium	86-1	12983.78	13078.04	13002.35	13021.39	0.38	ppb
Strontium	88-1	12746.36	13038.69	13059.75	12948.27	1.35	ppb
Sulfur	34-1	32253.37	32468.76	33352.91	32691.68	1.78	ppb
Terbium	159-1				104		%
Terbium	159-2				105		%
Thallium	203-1	0.15	0.14	0.15	0.15	4.31	ppb
Thallium	205-1	0.14	0.14	0.15	0.14	1.09	ppb
Tin	118-1	101.18	104.33	102.07	102.53	1.58	ppb
Titanium	47-1	134.52	134.85	134.27	134.55	0.22	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-05	Instrumnet Name :	P7
Client Sample ID :	MH2GT9D	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:43:55	DataFile Name :	050SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	2.25	2.24	2.26	2.25	0.34	ppb
Vanadium	51-2	30.07	30.71	30.58	30.45	1.10	ppb
Yttrium	89-1				102		%
Yttrium	89-2				101		%
Zinc	66-2	4187.27	4217.69	4246.17	4217.05	0.70	ppb
Zirconium	90-1	4.42	4.49	4.45	4.45	0.83	ppb
Zirconium	91-1	4.40	4.57	4.48	4.49	1.87	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-04LX5	Instrumnet Name :	P7
Client Sample ID :	MH2GT9L	Dilution Factor :	5
Date & Time Acquired :	2024-11-18 07:46:51	DataFile Name :	051SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1058.92	1056.72	1027.94	1047.86	1.65	ppb
Antimony	121-1	1.09	1.07	1.09	1.08	1.39	ppb
Arsenic	75-2	2.06	2.11	2.11	2.09	1.45	ppb
Barium	135-1	52.67	52.41	52.32	52.47	0.35	ppb
Barium	137-1	52.75	52.62	52.23	52.54	0.51	ppb
Beryllium	9-1	0.07	0.05	0.11	0.08	40.23	ppb
Bismuth	209-1				104		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.89	2.63	2.72	2.74	4.78	ppb
Cadmium	106-1	3.15	2.94	3.02	3.04	3.46	ppb
Cadmium	111-1	2.75	2.74	2.74	2.75	0.20	ppb
Calcium	43-1	17360.63	17076.53	17166.77	17201.31	0.84	ppb
Calcium	44-1	17076.98	17104.75	17192.79	17124.84	0.35	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4.50	4.31	4.28	4.36	2.73	ppb
Cobalt	59-2	0.89	0.87	0.86	0.88	1.74	ppb
Copper	63-2	1038.49	1011.16	994.16	1014.60	2.20	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				103		%
Holmium	165-2				102		%
Indium	115-1				100		%
Indium	115-2				98		%
Iron	56-2	1834.82	1793.93	1733.70	1787.49	2.85	ppb
Iron	57-2	1900.55	1868.27	1852.22	1873.68	1.31	ppb
Iron	54-2	1821.65	1825.18	1787.78	1811.53	1.14	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-04LX5	Instrumnet Name :	P7
Client Sample ID :	MH2GT9L	Dilution Factor :	5
Date & Time Acquired :	2024-11-18 07:46:51	DataFile Name :	051SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	241.36	245.98	245.94	244.43	1.09	ppb
Lead	207-1	237.48	243.28	238.08	239.61	1.33	ppb
Lead	208-1	239.25	241.80	239.65	240.23	0.57	ppb
Lithium	6-1				96		%
Magnesium	24-2	1294.54	1308.41	1255.92	1286.29	2.11	ppb
Manganese	55-2	59.16	56.92	55.35	57.15	3.35	ppb
Molybdenum	94-1	2.58	2.61	2.57	2.59	0.71	ppb
Molybdenum	95-1	1.38	1.38	1.41	1.39	1.34	ppb
Molybdenum	96-1	1.52	1.51	1.50	1.51	0.73	ppb
Molybdenum	97-1	1.43	1.43	1.42	1.42	0.39	ppb
Molybdenum	98-1	1.42	1.41	1.38	1.41	1.43	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	6.33	6.14	5.99	6.15	2.80	ppb
Phosphorus	31-2	362.86	350.61	328.36	347.28	5.04	ppb
Potassium	39-2	735.49	743.35	726.80	735.21	1.13	ppb
Rhodium	103-1				97		%
Rhodium	103-2				97		%
Scandium	45-1				94		%
Scandium	45-2				96		%
Selenium	82-1	1.27	1.42	1.03	1.24	15.64	ppb
Selenium	77-2	2.26	2.54	1.43	2.08	27.73	ppb
Selenium	78-2	1.05	0.45	1.19	0.90	44.02	ppb
Silicon	28-1	301.63	294.69	289.01	295.11	2.14	ppb
Silver	107-1	0.44	0.46	0.45	0.45	2.33	ppb
Silver	109-1	0.45	0.45	0.46	0.45	1.64	ppb
Sodium	23-2	4864.54	4988.22	4905.92	4919.56	1.28	ppb
Strontium	86-1	2587.12	2595.33	2587.24	2589.90	0.18	ppb
Strontium	88-1	2669.51	2671.63	2682.26	2674.46	0.26	ppb
Sulfur	34-1	5880.95	5784.58	5846.13	5837.22	0.84	ppb
Terbium	159-1				102		%
Terbium	159-2				104		%
Thallium	203-1	0.04	0.03	0.04	0.04	6.09	ppb
Thallium	205-1	0.04	0.03	0.04	0.04	4.94	ppb
Tin	118-1	9.42	9.44	9.37	9.41	0.38	ppb
Titanium	47-1	27.56	26.91	27.28	27.25	1.21	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-04LX5	Instrumnet Name :	P7
Client Sample ID :	MH2GT9L	Dilution Factor :	5
Date & Time Acquired :	2024-11-18 07:46:51	DataFile Name :	051SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.44	0.45	0.45	0.45	1.32	ppb
Vanadium	51-2	6.40	6.11	5.96	6.16	3.60	ppb
Yttrium	89-1				98		%
Yttrium	89-2				96		%
Zinc	66-2	886.29	862.04	855.37	867.90	1.87	ppb
Zirconium	90-1	0.81	0.81	0.81	0.81	0.27	ppb
Zirconium	91-1	0.79	0.80	0.81	0.80	1.27	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-06	Instrumnet Name :	P7
Client Sample ID :	MH2GT9S	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:49:54	DataFile Name :	052SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	5640.42	5387.59	5745.71	5591.24	3.29	ppb
Antimony	121-1	24.15	24.72	24.68	24.51	1.30	ppb
Arsenic	75-2	17.86	18.32	18.02	18.06	1.28	ppb
Barium	135-1	636.86	638.03	654.42	643.10	1.53	ppb
Barium	137-1	633.34	638.70	652.78	641.61	1.57	ppb
Beryllium	9-1	9.42	9.74	9.20	9.45	2.86	ppb
Bismuth	209-1				106		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	22.37	23.12	21.94	22.47	2.67	ppb
Cadmium	106-1	22.61	22.45	22.79	22.62	0.76	ppb
Cadmium	111-1	22.56	22.93	23.03	22.84	1.08	ppb
Calcium	43-1	81628.76	82681.77	83161.55	82490.69	0.95	ppb
Calcium	44-1	80876.02	82572.98	82387.17	81945.39	1.14	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	60.51	59.33	60.96	60.27	1.39	ppb
Cobalt	59-2	107.52	105.37	107.25	106.72	1.10	ppb
Copper	63-2	4813.37	4719.05	4798.85	4777.09	1.06	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				103		%
Indium	115-1				101		%
Indium	115-2				99		%
Iron	56-2	8852.23	8723.80	8839.15	8805.06	0.80	ppb
Iron	57-2	9407.15	8980.50	9331.87	9239.84	2.46	ppb
Iron	54-2	8888.03	8606.41	8922.23	8805.56	1.97	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-06	Instrumnet Name :	P7
Client Sample ID :	MH2GT9S	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:49:54	DataFile Name :	052SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1192.98	1212.68	1172.21	1192.62	1.70	ppb
Lead	207-1	1152.84	1177.33	1124.23	1151.47	2.31	ppb
Lead	208-1	1160.28	1185.64	1150.74	1165.55	1.55	ppb
Lithium	6-1				97		%
Magnesium	24-2	6075.17	5884.82	6014.02	5991.34	1.62	ppb
Manganese	55-2	382.46	379.01	381.19	380.89	0.46	ppb
Molybdenum	94-1	12.51	12.68	12.66	12.61	0.74	ppb
Molybdenum	95-1	6.39	6.61	6.68	6.56	2.29	ppb
Molybdenum	96-1	7.15	7.36	7.21	7.24	1.46	ppb
Molybdenum	97-1	6.43	6.65	6.47	6.52	1.83	ppb
Molybdenum	98-1	6.55	6.68	6.61	6.62	0.97	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	130.55	127.24	129.58	129.12	1.32	ppb
Phosphorus	31-2	1765.88	1693.90	1761.59	1740.46	2.32	ppb
Potassium	39-2	3469.66	3416.71	3501.03	3462.47	1.23	ppb
Rhodium	103-1				97		%
Rhodium	103-2				97		%
Scandium	45-1				95		%
Scandium	45-2				98		%
Selenium	82-1	24.48	24.82	24.69	24.66	0.69	ppb
Selenium	77-2	30.77	28.96	33.97	31.23	8.11	ppb
Selenium	78-2	27.57	25.77	25.27	26.21	4.61	ppb
Silicon	28-1	1426.78	1428.31	1447.76	1434.28	0.82	ppb
Silver	107-1	11.59	11.71	11.87	11.72	1.20	ppb
Silver	109-1	11.53	11.78	11.76	11.69	1.17	ppb
Sodium	23-2	23347.82	22205.68	23494.04	23015.85	3.06	ppb
Strontium	86-1	12343.71	12703.55	12610.67	12552.64	1.49	ppb
Strontium	88-1	12320.25	12565.98	12468.72	12451.65	0.99	ppb
Sulfur	34-1	31325.51	32242.18	32384.63	31984.11	1.80	ppb
Terbium	159-1				105		%
Terbium	159-2				105		%
Thallium	203-1	9.13	9.52	9.21	9.28	2.23	ppb
Thallium	205-1	9.14	9.53	9.13	9.27	2.46	ppb
Tin	118-1	50.82	51.97	52.15	51.64	1.40	ppb
Titanium	47-1	129.04	132.55	133.84	131.81	1.88	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-06	Instrumnet Name :	P7
Client Sample ID :	MH2GT9S	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:49:54	DataFile Name :	052SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	2.19	2.24	2.19	2.21	1.33	ppb
Vanadium	51-2	127.76	123.35	127.10	126.07	1.89	ppb
Yttrium	89-1				103		%
Yttrium	89-2				101		%
Zinc	66-2	4180.97	4049.43	4229.43	4153.28	2.24	ppb
Zirconium	90-1	4.03	4.18	4.16	4.12	1.89	ppb
Zirconium	91-1	4.07	4.19	4.17	4.14	1.60	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-07	Instrumnet Name :	P7
Client Sample ID :	MH2GW0	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:52:49	DataFile Name :	053SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4046.23	4066.74	4185.05	4099.34	1.83	ppb
Antimony	121-1	2.04	2.10	2.10	2.08	1.55	ppb
Arsenic	75-2	3.83	3.86	3.87	3.86	0.47	ppb
Barium	135-1	259.32	263.01	260.49	260.94	0.72	ppb
Barium	137-1	260.23	263.45	256.74	260.14	1.29	ppb
Beryllium	9-1	0.30	0.29	0.26	0.29	6.62	ppb
Bismuth	209-1				103		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.04	2.21	1.99	2.08	5.31	ppb
Cadmium	106-1	2.80	2.44	2.70	2.65	7.05	ppb
Cadmium	111-1	1.70	1.69	1.74	1.71	1.34	ppb
Calcium	43-1	216703.87	212609.48	216476.10	215263.15	1.07	ppb
Calcium	44-1	215726.32	213344.63	214083.05	214384.67	0.57	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	52.65	52.89	55.00	53.51	2.42	ppb
Cobalt	59-2	4.91	4.96	5.11	4.99	2.05	ppb
Copper	63-2	250.27	248.95	254.56	251.26	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				106		%
Holmium	165-2				104		%
Indium	115-1				101		%
Indium	115-2				99		%
Iron	56-2	6026.68	6015.99	6354.37	6132.34	3.14	ppb
Iron	57-2	7158.18	7136.18	7631.66	7308.68	3.83	ppb
Iron	54-2	6125.28	6081.75	6341.91	6182.98	2.25	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-07	Instrumnet Name :	P7
Client Sample ID :	MH2GW0	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:52:49	DataFile Name :	053SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	322.11	323.11	328.31	324.51	1.03	ppb
Lead	207-1	312.75	314.76	314.49	314.00	0.35	ppb
Lead	208-1	315.30	319.79	319.18	318.09	0.77	ppb
Lithium	6-1				98		%
Magnesium	24-2	41121.76	41572.98	42507.58	41734.10	1.69	ppb
Manganese	55-2	329.44	323.01	338.64	330.36	2.38	ppb
Molybdenum	94-1	7.16	7.04	6.94	7.05	1.59	ppb
Molybdenum	95-1	1.32	1.31	1.34	1.32	1.20	ppb
Molybdenum	96-1	1.92	1.95	1.94	1.94	0.80	ppb
Molybdenum	97-1	1.31	1.34	1.33	1.33	1.22	ppb
Molybdenum	98-1	1.33	1.32	1.33	1.33	0.38	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	76.56	76.65	78.96	77.39	1.76	ppb
Phosphorus	31-2	852.16	841.95	858.92	851.01	1.00	ppb
Potassium	39-2	2366.99	2365.30	2424.02	2385.44	1.40	ppb
Rhodium	103-1				95		%
Rhodium	103-2				97		%
Scandium	45-1				96		%
Scandium	45-2				98		%
Selenium	82-1	1.09	1.25	1.06	1.13	8.71	ppb
Selenium	77-2	3.10	3.24	3.91	3.42	12.68	ppb
Selenium	78-2	0.89	0.74	0.82	0.81	9.22	ppb
Silicon	28-1	1538.84	1529.56	1547.47	1538.62	0.58	ppb
Silver	107-1	0.46	0.47	0.45	0.46	1.97	ppb
Silver	109-1	0.45	0.46	0.45	0.46	0.71	ppb
Sodium	23-2	4077.22	4139.51	4253.09	4156.61	2.15	ppb
Strontium	86-1	6231.83	6221.70	6199.81	6217.78	0.26	ppb
Strontium	88-1	6156.77	6204.74	6135.99	6165.83	0.57	ppb
Sulfur	34-1	4096.16	4123.99	4129.61	4116.59	0.44	ppb
Terbium	159-1				105		%
Terbium	159-2				105		%
Thallium	203-1	0.11	0.10	0.10	0.10	7.99	ppb
Thallium	205-1	0.11	0.10	0.10	0.10	4.09	ppb
Tin	118-1	5.14	5.21	5.12	5.16	0.94	ppb
Titanium	47-1	121.25	120.35	121.30	120.97	0.44	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-07	Instrumnet Name :	P7
Client Sample ID :	MH2GW0	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:52:49	DataFile Name :	053SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.77	0.79	0.77	0.78	1.17	ppb
Vanadium	51-2	12.19	12.21	12.58	12.33	1.78	ppb
Yttrium	89-1				101		%
Yttrium	89-2				100		%
Zinc	66-2	1193.01	1200.87	1247.14	1213.67	2.41	ppb
Zirconium	90-1	3.28	3.28	3.23	3.26	0.97	ppb
Zirconium	91-1	3.36	3.34	3.33	3.34	0.59	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-08	Instrumnet Name :	P7
Client Sample ID :	MH2GW1	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:55:46	DataFile Name :	054SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	7181.83	7429.14	7629.22	7413.40	3.02	ppb
Antimony	121-1	1.94	1.92	1.99	1.95	1.90	ppb
Arsenic	75-2	7.36	7.41	7.33	7.37	0.52	ppb
Barium	135-1	381.50	392.45	389.46	387.80	1.46	ppb
Barium	137-1	378.96	384.75	385.11	382.94	0.90	ppb
Beryllium	9-1	0.38	0.34	0.32	0.35	9.38	ppb
Bismuth	209-1				106		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.93	3.09	3.14	3.05	3.46	ppb
Cadmium	106-1	4.13	3.61	4.09	3.94	7.26	ppb
Cadmium	111-1	2.45	2.38	2.44	2.42	1.46	ppb
Calcium	43-1	156898.21	154464.51	160815.65	157392.79	2.04	ppb
Calcium	44-1	157555.73	156015.35	160681.03	158084.04	1.50	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	36.88	37.37	37.40	37.22	0.78	ppb
Cobalt	59-2	5.60	5.65	5.65	5.63	0.51	ppb
Copper	63-2	121.86	124.28	121.81	122.65	1.15	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				105		%
Indium	115-1				101		%
Indium	115-2				99		%
Iron	56-2	8932.15	8969.86	9069.20	8990.40	0.79	ppb
Iron	57-2	9779.06	9784.06	9970.99	9844.70	1.11	ppb
Iron	54-2	8919.30	9000.49	8995.81	8971.87	0.51	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-08	Instrumnet Name :	P7
Client Sample ID :	MH2GW1	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:55:46	DataFile Name :	054SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	786.91	791.96	789.67	789.51	0.32	ppb
Lead	207-1	759.99	765.26	759.86	761.70	0.40	ppb
Lead	208-1	771.52	779.73	776.63	775.96	0.53	ppb
Lithium	6-1				101		%
Magnesium	24-2	16790.41	16933.97	17240.32	16988.23	1.35	ppb
Manganese	55-2	382.87	386.69	392.50	387.35	1.25	ppb
Molybdenum	94-1	8.38	8.37	8.57	8.44	1.28	ppb
Molybdenum	95-1	1.99	1.97	2.04	2.00	1.72	ppb
Molybdenum	96-1	2.66	2.69	2.70	2.69	0.82	ppb
Molybdenum	97-1	1.98	1.96	1.95	1.96	0.86	ppb
Molybdenum	98-1	2.00	1.99	2.05	2.01	1.74	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	96.01	97.88	98.46	97.45	1.32	ppb
Phosphorus	31-2	1280.42	1332.27	1344.43	1319.04	2.58	ppb
Potassium	39-2	3557.96	3601.99	3546.07	3568.67	0.83	ppb
Rhodium	103-1				96		%
Rhodium	103-2				97		%
Scandium	45-1				96		%
Scandium	45-2				96		%
Selenium	82-1	1.37	1.34	0.88	1.20	22.80	ppb
Selenium	77-2	3.54	5.26	4.17	4.32	20.11	ppb
Selenium	78-2	1.17	1.46	1.37	1.33	11.37	ppb
Silicon	28-1	2408.69	2451.43	2473.97	2444.70	1.36	ppb
Silver	107-1	0.85	0.88	0.91	0.88	3.32	ppb
Silver	109-1	0.85	0.90	0.90	0.88	2.88	ppb
Sodium	23-2	3734.10	3794.33	3875.62	3801.35	1.87	ppb
Strontium	86-1	7566.80	7556.92	7703.77	7609.16	1.08	ppb
Strontium	88-1	7478.36	7502.05	7584.00	7521.47	0.74	ppb
Sulfur	34-1	9930.25	9943.52	10267.38	10047.05	1.90	ppb
Terbium	159-1				105		%
Terbium	159-2				104		%
Thallium	203-1	0.10	0.10	0.11	0.10	6.81	ppb
Thallium	205-1	0.10	0.10	0.10	0.10	1.28	ppb
Tin	118-1	26.73	26.88	27.10	26.90	0.69	ppb
Titanium	47-1	188.32	185.82	191.89	188.67	1.62	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-08	Instrumnet Name :	P7
Client Sample ID :	MH2GW1	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:55:46	DataFile Name :	054SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.92	0.93	0.92	0.92	0.55	ppb
Vanadium	51-2	20.19	20.41	20.54	20.38	0.86	ppb
Yttrium	89-1				101		%
Yttrium	89-2				100		%
Zinc	66-2	2423.73	2456.94	2451.20	2443.96	0.73	ppb
Zirconium	90-1	3.81	3.81	3.88	3.83	1.04	ppb
Zirconium	91-1	3.76	3.78	3.93	3.82	2.39	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-09	Instrumnet Name :	P7
Client Sample ID :	MH2GW2	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:58:44	DataFile Name :	055SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	918.68	910.79	923.80	917.75	0.71	ppb
Antimony	121-1	0.72	0.78	0.76	0.75	4.45	ppb
Arsenic	75-2	0.96	0.91	0.93	0.93	2.89	ppb
Barium	135-1	40.87	42.33	42.80	42.00	2.39	ppb
Barium	137-1	40.88	43.14	43.37	42.46	3.24	ppb
Beryllium	9-1	0.22	0.25	0.23	0.23	6.69	ppb
Bismuth	209-1				98		%
Bismuth	209-2				94		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.38	0.40	0.37	0.38	4.06	ppb
Cadmium	106-1	1.78	1.41	2.01	1.73	17.53	ppb
Cadmium	111-1	0.39	0.38	0.43	0.40	7.47	ppb
Calcium	43-1	449052.39	465779.01	460704.03	458511.81	1.87	ppb
Calcium	44-1	450900.09	461878.37	461220.64	457999.70	1.34	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	5.15	5.05	5.23	5.14	1.75	ppb
Cobalt	59-2	3.38	3.45	3.48	3.43	1.51	ppb
Copper	63-2	11.31	11.45	11.45	11.41	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				104		%
Holmium	165-2				102		%
Indium	115-1				100		%
Indium	115-2				99		%
Iron	56-2	1688.63	1677.24	1702.38	1689.42	0.75	ppb
Iron	57-2	3835.39	3870.38	3952.39	3886.05	1.55	ppb
Iron	54-2	1690.16	1678.68	1707.36	1692.07	0.85	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-09	Instrumnet Name :	P7
Client Sample ID :	MH2GW2	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:58:44	DataFile Name :	055SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	25.02	25.37	25.54	25.31	1.05	ppb
Lead	207-1	23.52	23.62	24.40	23.84	2.01	ppb
Lead	208-1	24.04	24.34	24.66	24.34	1.28	ppb
Lithium	6-1				101		%
Magnesium	24-2	169276.52	169914.01	171533.01	170241.18	0.68	ppb
Manganese	55-2	367.74	366.26	371.03	368.34	0.66	ppb
Molybdenum	94-1	2.06	2.13	2.12	2.11	1.78	ppb
Molybdenum	95-1	0.40	0.38	0.37	0.39	4.11	ppb
Molybdenum	96-1	0.55	0.59	0.58	0.57	3.64	ppb
Molybdenum	97-1	0.37	0.37	0.38	0.38	0.76	ppb
Molybdenum	98-1	0.37	0.39	0.40	0.39	3.48	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	7.54	7.56	7.60	7.57	0.43	ppb
Phosphorus	31-2	222.50	227.58	223.46	224.51	1.20	ppb
Potassium	39-2	564.13	559.90	566.62	563.55	0.60	ppb
Rhodium	103-1				94		%
Rhodium	103-2				95		%
Scandium	45-1				98		%
Scandium	45-2				103		%
Selenium	82-1	0.95	0.92	0.71	0.86	15.07	ppb
Selenium	77-2	1.42	1.35	1.67	1.48	11.33	ppb
Selenium	78-2	-0.09	0.64	0.31	0.28	129.03	ppb
Silicon	28-1	329.62	339.80	342.55	337.32	2.02	ppb
Silver	107-1	0.05	0.05	0.05	0.05	10.06	ppb
Silver	109-1	0.05	0.05	0.06	0.05	7.68	ppb
Sodium	23-2	1115.84	1134.81	1131.83	1127.50	0.90	ppb
Strontium	86-1	5907.82	6033.17	6130.03	6023.67	1.85	ppb
Strontium	88-1	5804.23	6038.73	5993.92	5945.63	2.09	ppb
Sulfur	34-1	893.78	1078.61	1128.85	1033.75	11.97	ppb
Terbium	159-1				104		%
Terbium	159-2				103		%
Thallium	203-1	0.03	0.02	0.03	0.03	5.28	ppb
Thallium	205-1	0.03	0.03	0.03	0.03	5.82	ppb
Tin	118-1	1.13	1.22	1.25	1.20	5.39	ppb
Titanium	47-1	24.99	26.18	25.64	25.61	2.33	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-09	Instrumnet Name :	P7
Client Sample ID :	MH2GW2	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:58:44	DataFile Name :	055SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.56	0.57	0.56	0.57	0.37	ppb
Vanadium	51-2	6.89	6.82	6.96	6.89	0.98	ppb
Yttrium	89-1				101		%
Yttrium	89-2				102		%
Zinc	66-2	94.54	94.12	95.61	94.76	0.81	ppb
Zirconium	90-1	0.98	1.02	1.05	1.02	3.26	ppb
Zirconium	91-1	1.02	1.04	1.00	1.02	1.67	ppb

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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-10	Instrumnet Name :	P7
Client Sample ID :	MH2GW3	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 08:01:53	DataFile Name :	056SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1804.87	1762.94	1730.83	1766.21	2.10	ppb
Antimony	121-1	2.25	2.33	2.34	2.30	2.26	ppb
Arsenic	75-2	2.23	2.41	2.56	2.40	6.93	ppb
Barium	135-1	102.27	104.84	106.25	104.46	1.93	ppb
Barium	137-1	102.69	104.65	106.25	104.53	1.70	ppb
Beryllium	9-1	0.13	0.15	0.15	0.14	7.50	ppb
Bismuth	209-1				100		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.41	0.54	0.51	0.49	13.75	ppb
Cadmium	106-1	2.89	2.14	2.26	2.43	16.71	ppb
Cadmium	111-1	0.50	0.44	0.48	0.47	6.50	ppb
Calcium	43-1	279903.36	285679.57	285068.19	283550.37	1.12	ppb
Calcium	44-1	281157.35	287197.23	288311.32	285555.30	1.35	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	8.79	8.51	8.32	8.54	2.81	ppb
Cobalt	59-2	1.95	1.99	1.95	1.96	1.01	ppb
Copper	63-2	42.57	41.50	40.79	41.62	2.16	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				105		%
Indium	115-1				101		%
Indium	115-2				101		%
Iron	56-2	2422.29	2365.19	2340.59	2376.02	1.76	ppb
Iron	57-2	3782.74	3694.02	3665.87	3714.21	1.64	ppb
Iron	54-2	2420.59	2341.34	2360.16	2374.03	1.74	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-10	Instrumnet Name :	P7
Client Sample ID :	MH2GW3	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 08:01:53	DataFile Name :	056SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	90.88	92.22	93.05	92.05	1.19	ppb
Lead	207-1	86.69	87.49	87.79	87.32	0.65	ppb
Lead	208-1	89.82	91.50	90.77	90.70	0.93	ppb
Lithium	6-1				102		%
Magnesium	24-2	47764.49	46870.83	45907.25	46847.53	1.98	ppb
Manganese	55-2	98.73	97.56	96.28	97.52	1.26	ppb
Molybdenum	94-1	3.90	4.09	4.04	4.01	2.45	ppb
Molybdenum	95-1	0.43	0.45	0.44	0.44	2.15	ppb
Molybdenum	96-1	0.81	0.84	0.82	0.82	1.36	ppb
Molybdenum	97-1	0.41	0.42	0.44	0.43	2.87	ppb
Molybdenum	98-1	0.42	0.45	0.43	0.43	3.75	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	13.00	12.60	12.52	12.71	2.05	ppb
Phosphorus	31-2	263.68	256.60	259.15	259.81	1.38	ppb
Potassium	39-2	994.61	955.10	949.70	966.47	2.54	ppb
Rhodium	103-1				97		%
Rhodium	103-2				98		%
Scandium	45-1				102		%
Scandium	45-2				104		%
Selenium	82-1	0.67	0.42	0.49	0.53	24.53	ppb
Selenium	77-2	0.47	1.36	1.25	1.03	47.16	ppb
Selenium	78-2	-0.06	-0.01	0.25	0.06	272.78	ppb
Silicon	28-1	686.18	696.17	703.99	695.44	1.28	ppb
Silver	107-1	0.08	0.09	0.09	0.09	3.87	ppb
Silver	109-1	0.09	0.09	0.09	0.09	3.66	ppb
Sodium	23-2	1711.10	1649.86	1681.20	1680.72	1.82	ppb
Strontium	86-1	6256.68	6479.85	6359.44	6365.32	1.75	ppb
Strontium	88-1	6277.68	6448.75	6318.12	6348.18	1.41	ppb
Sulfur	34-1	1960.83	2017.56	2018.58	1998.99	1.65	ppb
Terbium	159-1				104		%
Terbium	159-2				105		%
Thallium	203-1	0.04	0.04	0.03	0.04	11.79	ppb
Thallium	205-1	0.04	0.04	0.04	0.04	1.30	ppb
Tin	118-1	3.07	3.18	3.18	3.14	1.97	ppb
Titanium	47-1	49.69	50.41	50.03	50.04	0.71	ppb

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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-10	Instrumnet Name :	P7
Client Sample ID :	MH2GW3	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 08:01:53	DataFile Name :	056SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.55	0.55	0.57	0.56	1.65	ppb
Vanadium	51-2	5.84	5.71	5.64	5.73	1.80	ppb
Yttrium	89-1				102		%
Yttrium	89-2				103		%
Zinc	66-2	261.74	254.73	254.81	257.09	1.57	ppb
Zirconium	90-1	2.01	2.08	2.07	2.05	1.71	ppb
Zirconium	91-1	2.06	2.14	2.11	2.11	1.92	ppb

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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-11	Instrumnet Name :	P7
Client Sample ID :	MH2GW4	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 08:05:02	DataFile Name :	057SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1035.28	1018.29	1042.87	1032.15	1.22	ppb
Antimony	121-1	0.94	0.94	0.94	0.94	0.49	ppb
Arsenic	75-2	1.49	1.63	1.48	1.53	5.48	ppb
Barium	135-1	46.93	47.01	47.74	47.23	0.94	ppb
Barium	137-1	47.31	47.34	47.72	47.46	0.49	ppb
Beryllium	9-1	0.19	0.21	0.22	0.21	8.88	ppb
Bismuth	209-1				95		%
Bismuth	209-2				95		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.71	0.54	0.55	0.60	15.82	ppb
Cadmium	106-1	3.55	2.63	2.13	2.77	25.94	ppb
Cadmium	111-1	0.68	0.62	0.59	0.63	7.01	ppb
Calcium	43-1	439223.01	445604.37	441891.08	442239.49	0.72	ppb
Calcium	44-1	439304.89	441585.04	444613.21	441834.38	0.60	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	6.93	6.81	6.99	6.91	1.31	ppb
Cobalt	59-2	3.33	3.27	3.37	3.32	1.55	ppb
Copper	63-2	12.91	12.71	12.75	12.79	0.85	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				103		%
Indium	115-1				101		%
Indium	115-2				101		%
Iron	56-2	1729.23	1684.74	1725.41	1713.13	1.44	ppb
Iron	57-2	3848.56	3832.45	3934.74	3871.92	1.42	ppb
Iron	54-2	1724.93	1706.18	1730.65	1720.58	0.74	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-11	Instrumnet Name :	P7
Client Sample ID :	MH2GW4	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 08:05:02	DataFile Name :	057SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	32.74	32.90	32.90	32.84	0.28	ppb
Lead	207-1	30.69	30.82	31.06	30.86	0.61	ppb
Lead	208-1	31.41	31.56	31.66	31.55	0.40	ppb
Lithium	6-1				100		%
Magnesium	24-2	170614.40	168788.24	170491.06	169964.57	0.60	ppb
Manganese	55-2	303.95	299.73	306.77	303.49	1.17	ppb
Molybdenum	94-1	1.98	1.95	1.95	1.96	0.98	ppb
Molybdenum	95-1	0.38	0.35	0.36	0.36	2.99	ppb
Molybdenum	96-1	0.53	0.53	0.55	0.54	1.69	ppb
Molybdenum	97-1	0.35	0.38	0.34	0.36	4.84	ppb
Molybdenum	98-1	0.36	0.37	0.37	0.37	1.16	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	15.92	15.68	16.01	15.87	1.07	ppb
Phosphorus	31-2	317.14	322.48	317.80	319.14	0.91	ppb
Potassium	39-2	839.50	828.14	848.17	838.60	1.20	ppb
Rhodium	103-1				96		%
Rhodium	103-2				97		%
Scandium	45-1				103		%
Scandium	45-2				104		%
Selenium	82-1	0.76	0.85	0.73	0.78	7.83	ppb
Selenium	77-2	1.64	2.11	1.77	1.84	13.14	ppb
Selenium	78-2	0.17	1.01	0.23	0.47	100.40	ppb
Silicon	28-1	322.82	323.13	326.74	324.23	0.67	ppb
Silver	107-1	0.07	0.06	0.07	0.06	5.79	ppb
Silver	109-1	0.07	0.06	0.07	0.06	3.72	ppb
Sodium	23-2	1212.48	1189.43	1196.21	1199.38	0.99	ppb
Strontium	86-1	5531.10	5500.20	5497.71	5509.67	0.34	ppb
Strontium	88-1	5427.59	5510.81	5500.07	5479.49	0.83	ppb
Sulfur	34-1	1284.83	1351.40	1326.49	1320.91	2.55	ppb
Terbium	159-1				103		%
Terbium	159-2				104		%
Thallium	203-1	0.03	0.03	0.03	0.03	4.91	ppb
Thallium	205-1	0.03	0.03	0.03	0.03	2.35	ppb
Tin	118-1	1.65	1.64	1.66	1.65	0.46	ppb
Titanium	47-1	29.81	30.27	29.93	30.00	0.78	ppb

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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-11	Instrumnet Name :	P7
Client Sample ID :	MH2GW4	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 08:05:02	DataFile Name :	057SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.56	0.56	0.56	0.56	0.28	ppb
Vanadium	51-2	7.47	7.48	7.52	7.49	0.39	ppb
Yttrium	89-1				103		%
Yttrium	89-2				104		%
Zinc	66-2	264.01	259.46	263.87	262.45	0.99	ppb
Zirconium	90-1	0.91	0.90	0.91	0.90	0.84	ppb
Zirconium	91-1	0.90	0.92	0.92	0.91	1.05	ppb

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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-01DLX2	Instrumnet Name :	P7
Client Sample ID :	MH2GT6	Dilution Factor :	2
Date & Time Acquired :	2024-11-18 08:37:49	DataFile Name :	058SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	3712.87	3701.93	3716.94	3710.58	0.21	ppb
Antimony	121-1	2.90	2.83	2.90	2.88	1.31	ppb
Arsenic	75-2	8.32	8.18	8.26	8.25	0.80	ppb
Barium	135-1	598.98	597.21	595.99	597.39	0.25	ppb
Barium	137-1	596.28	593.47	598.97	596.24	0.46	ppb
Beryllium	9-1	0.75	0.79	0.82	0.79	4.78	ppb
Bismuth	209-1				98		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	3.66	3.87	3.52	3.68	4.87	ppb
Cadmium	106-1	2.92	2.29	3.16	2.79	16.19	ppb
Cadmium	111-1	3.51	3.60	3.60	3.57	1.51	ppb
Calcium	43-1	46475.29	46081.37	46658.99	46405.21	0.64	ppb
Calcium	44-1	46407.19	46215.74	45805.86	46142.93	0.67	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	19.73	19.47	19.47	19.56	0.76	ppb
Cobalt	59-2	6.66	6.53	6.49	6.56	1.37	ppb
Copper	63-2	72.46	72.86	72.72	72.68	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				97		%
Holmium	165-2				100		%
Indium	115-1				95		%
Indium	115-2				95		%
Iron	56-2	5159.44	5107.55	5060.43	5109.14	0.97	ppb
Iron	57-2	5304.02	5236.04	5245.17	5261.74	0.70	ppb
Iron	54-2	5157.88	5176.99	5156.64	5163.83	0.22	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-01DLX2	Instrumnet Name :	P7
Client Sample ID :	MH2GT6	Dilution Factor :	2
Date & Time Acquired :	2024-11-18 08:37:49	DataFile Name :	058SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2846.37	2867.23	2861.92	2858.51	0.38	ppb
Lead	207-1	2639.35	2690.49	2639.38	2656.41	1.11	ppb
Lead	208-1	2701.91	2761.57	2721.37	2728.28	1.12	ppb
Lithium	6-1				97		%
Magnesium	24-2	3363.82	3339.95	3302.80	3335.52	0.92	ppb
Manganese	55-2	331.43	331.84	329.97	331.08	0.30	ppb
Molybdenum	94-1	2.59	2.61	2.63	2.61	0.71	ppb
Molybdenum	95-1	1.05	1.03	1.04	1.04	0.75	ppb
Molybdenum	96-1	1.25	1.24	1.26	1.25	0.81	ppb
Molybdenum	97-1	1.05	1.03	1.08	1.05	2.46	ppb
Molybdenum	98-1	1.04	1.07	1.09	1.07	2.26	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	8.18	8.13	8.23	8.18	0.58	ppb
Phosphorus	31-2	1449.08	1400.14	1433.58	1427.60	1.75	ppb
Potassium	39-2	3591.74	3569.94	3604.08	3588.59	0.48	ppb
Rhodium	103-1				93		%
Rhodium	103-2				95		%
Scandium	45-1				95		%
Scandium	45-2				97		%
Selenium	82-1	1.06	0.73	0.94	0.91	18.41	ppb
Selenium	77-2	5.63	5.82	6.62	6.02	8.67	ppb
Selenium	78-2	1.95	2.07	1.21	1.74	26.80	ppb
Silicon	28-1	888.70	898.61	904.75	897.35	0.90	ppb
Silver	107-1	0.60	0.61	0.60	0.60	1.33	ppb
Silver	109-1	0.60	0.60	0.60	0.60	0.42	ppb
Sodium	23-2	13635.92	13614.68	13494.19	13581.60	0.56	ppb
Strontium	86-1	5113.31	5010.69	5098.65	5074.22	1.09	ppb
Strontium	88-1	5039.64	4985.57	5027.03	5017.41	0.56	ppb
Sulfur	34-1	4624.61	4623.94	4525.86	4591.47	1.24	ppb
Terbium	159-1				98		%
Terbium	159-2				100		%
Thallium	203-1	0.14	0.13	0.12	0.13	7.31	ppb
Thallium	205-1	0.13	0.13	0.13	0.13	2.38	ppb
Tin	118-1	7.67	7.72	7.79	7.73	0.73	ppb
Titanium	47-1	28.69	29.21	28.96	28.95	0.89	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-01DLX2	Instrumnet Name :	P7
Client Sample ID :	MH2GT6	Dilution Factor :	2
Date & Time Acquired :	2024-11-18 08:37:49	DataFile Name :	058SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	2.00	2.02	2.02	2.01	0.37	ppb
Vanadium	51-2	6.05	5.90	5.98	5.98	1.25	ppb
Yttrium	89-1				97		%
Yttrium	89-2				97		%
Zinc	66-2	829.50	827.46	828.14	828.37	0.13	ppb
Zirconium	90-1	0.97	0.98	0.99	0.98	0.77	ppb
Zirconium	91-1	1.00	1.04	0.99	1.01	2.73	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	CCV003	Instrumnet Name :	P7
Client Sample ID :	CCV003	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 08:40:47	DataFile Name :	059CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	48361.73	47870.03	49481.00	48570.92	1.70	ppb
Antimony	121-1	450.85	486.36	486.29	474.50	4.32	ppb
Arsenic	75-2	520.43	510.71	515.79	515.65	0.94	ppb
Barium	135-1	2230.12	2391.63	2389.10	2336.95	3.96	ppb
Barium	137-1	2221.58	2396.38	2380.27	2332.74	4.14	ppb
Beryllium	9-1	447.32	487.04	495.23	476.53	5.38	ppb
Bismuth	209-1				93		%
Bismuth	209-2				90		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	459.95	495.67	495.95	483.85	4.28	ppb
Cadmium	106-1	463.64	499.48	494.77	485.97	4.01	ppb
Cadmium	111-1	465.60	493.65	488.12	482.46	3.08	ppb
Calcium	43-1	222524.06	239055.60	240839.61	234139.76	4.31	ppb
Calcium	44-1	222083.72	238876.14	240478.00	233812.62	4.36	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	485.62	490.08	491.98	489.23	0.67	ppb
Cobalt	59-2	486.24	490.54	497.12	491.30	1.12	ppb
Copper	63-2	4991.79	5054.43	5087.85	5044.69	0.97	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				99		%
Holmium	165-2				98		%
Indium	115-1				92		%
Indium	115-2				91		%
Iron	56-2	119176.26	122225.79	122319.26	121240.44	1.47	ppb
Iron	57-2	121136.14	120585.77	122978.99	121566.97	1.03	ppb
Iron	54-2	120114.64	121546.24	121847.04	121169.31	0.76	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	CCV003	Instrumnet Name :	P7
Client Sample ID :	CCV003	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 08:40:47	DataFile Name :	059CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2254.14	2335.18	2376.86	2322.06	2.69	ppb
Lead	207-1	2244.01	2340.67	2389.12	2324.60	3.18	ppb
Lead	208-1	2232.28	2335.94	2384.11	2317.44	3.35	ppb
Lithium	6-1				92		%
Magnesium	24-2	243389.71	246893.50	252197.39	247493.54	1.79	ppb
Manganese	55-2	4839.50	4953.71	4946.55	4913.25	1.30	ppb
Molybdenum	94-1	4395.22	4671.01	4819.58	4628.60	4.65	ppb
Molybdenum	95-1	4430.27	4671.10	4795.45	4632.27	4.01	ppb
Molybdenum	96-1	4423.81	4668.16	4749.99	4613.99	3.68	ppb
Molybdenum	97-1	4409.23	4663.31	4757.48	4610.01	3.91	ppb
Molybdenum	98-1	4425.56	4681.27	4763.42	4623.41	3.81	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	480.94	484.40	495.23	486.85	1.53	ppb
Phosphorus	31-2	9634.21	9798.40	9738.27	9723.63	0.85	ppb
Potassium	39-2	119878.12	122434.80	122504.13	121605.68	1.23	ppb
Rhodium	103-1				87		%
Rhodium	103-2				87		%
Scandium	45-1				93		%
Scandium	45-2				94		%
Selenium	82-1	452.16	476.13	485.56	471.29	3.65	ppb
Selenium	77-2	497.18	489.55	503.23	496.65	1.38	ppb
Selenium	78-2	498.25	491.89	500.83	496.99	0.93	ppb
Silicon	28-1	497.76	532.93	537.32	522.67	4.15	ppb
Silver	107-1	458.87	494.07	489.06	480.67	3.96	ppb
Silver	109-1	462.82	492.32	489.15	481.43	3.36	ppb
Sodium	23-2	247791.05	249159.72	253064.98	250005.25	1.09	ppb
Strontium	86-1	10962.34	11750.47	11860.84	11524.55	4.25	ppb
Strontium	88-1	10954.86	11591.49	11789.38	11445.24	3.81	ppb
Sulfur	34-1	9149.69	9838.49	10254.75	9747.64	5.73	ppb
Terbium	159-1				98		%
Terbium	159-2				99		%
Thallium	203-1	450.37	469.16	481.98	467.17	3.40	ppb
Thallium	205-1	451.40	475.12	475.47	467.33	2.95	ppb
Tin	118-1	445.99	465.56	470.00	460.52	2.77	ppb
Titanium	47-1	4327.19	4606.43	4736.93	4556.85	4.59	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	CCV003	Instrumnet Name :	P7
Client Sample ID :	CCV003	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 08:40:47	DataFile Name :	059CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	451.38	474.47	487.96	471.27	3.93	ppb
Vanadium	51-2	491.83	498.34	504.26	498.14	1.25	ppb
Yttrium	89-1				95		%
Yttrium	89-2				95		%
Zinc	66-2	4954.52	5029.62	5069.20	5017.78	1.16	ppb
Zirconium	90-1	444.47	469.44	477.86	463.92	3.74	ppb
Zirconium	91-1	440.20	464.87	478.50	461.19	4.21	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	CCB003	Instrumnet Name :	P7
Client Sample ID :	CCB003	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 08:43:28	DataFile Name :	060CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.32	2.35	0.11	0.93	133.46	ppb
Antimony	121-1	0.16	0.19	0.24	0.19	22.02	ppb
Arsenic	75-2	0.00	0.02	0.01	0.01	56.63	ppb
Barium	135-1	0.16	0.09	0.05	0.10	51.10	ppb
Barium	137-1	0.15	0.08	0.05	0.09	52.03	ppb
Beryllium	9-1	0.07	0.04	0.02	0.04	60.44	ppb
Bismuth	209-1				102		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.03	-0.01	-0.01	0.00	970.68	ppb
Cadmium	106-1	0.63	0.46	-0.02	0.36	94.93	ppb
Cadmium	111-1	0.10	0.06	0.02	0.06	63.12	ppb
Calcium	43-1	5.55	-0.67	-4.44	0.15	3447.13	ppb
Calcium	44-1	8.01	1.47	-2.69	2.27	238.11	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.00	0.00	-0.03	-0.01		ppb
Cobalt	59-2	0.00	0.01	0.00	0.01	85.74	ppb
Copper	63-2	0.07	0.11	0.06	0.08	36.04	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				99		%
Holmium	165-2				101		%
Indium	115-1				98		%
Indium	115-2				98		%
Iron	56-2	-0.08	1.97	-0.76	0.38	374.92	ppb
Iron	57-2	-0.71	0.78	-1.91	-0.61		ppb
Iron	54-2	-0.33	1.53	-1.07	0.04	2982.95	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	CCB003	Instrumnet Name :	P7
Client Sample ID :	CCB003	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 08:43:28	DataFile Name :	060CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.03	-0.04	-0.07	-0.03		ppb
Lead	207-1	0.02	-0.03	-0.09	-0.03		ppb
Lead	208-1	0.03	-0.04	-0.07	-0.03		ppb
Lithium	6-1				98		%
Magnesium	24-2	3.55	16.75	1.93	7.41	109.70	ppb
Manganese	55-2	-0.06	0.04	-0.09	-0.04		ppb
Molybdenum	94-1	0.38	0.27	0.25	0.30	24.00	ppb
Molybdenum	95-1	0.39	0.29	0.27	0.32	20.68	ppb
Molybdenum	96-1	0.38	0.28	0.25	0.30	22.89	ppb
Molybdenum	97-1	0.40	0.28	0.25	0.31	25.97	ppb
Molybdenum	98-1	0.42	0.27	0.26	0.32	28.10	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.19	-0.19	-0.20	-0.19		ppb
Phosphorus	31-2	-16.16	-17.19	-16.88	-16.74		ppb
Potassium	39-2	6.07	9.89	5.16	7.04	35.68	ppb
Rhodium	103-1				96		%
Rhodium	103-2				98		%
Scandium	45-1				93		%
Scandium	45-2				96		%
Selenium	82-1	0.26	0.02	0.38	0.22	83.85	ppb
Selenium	77-2	0.00	0.00	0.08	0.03	173.21	ppb
Selenium	78-2	0.25	-0.26	-0.05	-0.02		ppb
Silicon	28-1	-2.40	-2.64	-3.16	-2.74		ppb
Silver	107-1	0.05	0.03	0.02	0.03	41.18	ppb
Silver	109-1	0.05	0.03	0.02	0.03	43.55	ppb
Sodium	23-2	12.04	29.76	10.08	17.29	62.68	ppb
Strontium	86-1	0.70	0.45	0.28	0.48	44.99	ppb
Strontium	88-1	0.64	0.32	0.14	0.37	68.60	ppb
Sulfur	34-1	-27.67	8.86	-3.27	-7.36		ppb
Terbium	159-1				99		%
Terbium	159-2				102		%
Thallium	203-1	0.05	0.03	0.03	0.04	33.81	ppb
Thallium	205-1	0.05	0.03	0.03	0.04	25.26	ppb
Tin	118-1	0.01	-0.03	-0.03	-0.02		ppb
Titanium	47-1	0.07	-0.06	-0.14	-0.04		ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	CCB003	Instrumnet Name :	P7
Client Sample ID :	CCB003	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 08:43:28	DataFile Name :	060CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.03	0.02	0.01	0.02	42.95	ppb
Vanadium	51-2	0.01	0.01	0.00	0.01	80.64	ppb
Yttrium	89-1				95		%
Yttrium	89-2				97		%
Zinc	66-2	-1.81	-1.73	-1.90	-1.81		ppb
Zirconium	90-1	0.03	0.02	0.02	0.02	10.62	ppb
Zirconium	91-1	0.02	0.02	0.04	0.03	31.43	ppb

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 04:31:53	DataFile Name :	004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	493	553	407	484	15.22	cps
Antimony	121-1	47	60	60	56	13.85	cps
Arsenic	75-2	10	27	27	21	45.58	cps
Barium	135-1	163	170	140	158	9.98	cps
Barium	137-1	347	347	290	328	9.98	cps
Beryllium	9-1	50	44	56	50	11.11	cps
Bismuth	209-1	19980602	19552228	19620492	19717774	1.17	cps
Bismuth	209-2	15071467	14840059	15059501	14990342	0.87	cps
Bromine	81-1	16456	16269	16396	16374	0.58	cps
Bromine	81-2	113	103	87	101	13.32	cps
Cadmium	108-1	47	43	23	38	33.41	cps
Cadmium	106-1	10174	9323	9573	9690	4.51	cps
Cadmium	111-1	7122	6539	6725	6795	4.38	cps
Calcium	43-1	1290	1363	1547	1400	9.44	cps
Calcium	44-1	39425	39578	38860	39288	0.96	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4711	4671	4804	4729	1.45	cps
Cobalt	59-2	240	203	237	227	8.94	cps
Copper	63-2	1800	1853	1847	1833	1.59	cps
Dysprosium	156-1	20	27	20	22	17.33	cps
Dysprosium	156-2	13	17	10	13	25.01	cps
Erbium	164-1	127	167	123	139	17.36	cps
Erbium	164-2	120	100	100	107	10.83	cps
Gadolinium	160-1	167	110	137	138	20.58	cps
Gadolinium	160-2	1147	1233	1237	1206	4.23	cps
Holmium	165-1	33672365	33325978	33534047	33510797	0.52	cps
Holmium	165-2	22107017	22002724	22235141	22114961	0.53	cps
Indium	115-1	29713708	29364725	29250392	29442942	0.82	cps
Indium	115-2	10234994	10130921	10248700	10204872	0.63	cps
Iron	56-2	44238	44111	44272	44207	0.19	cps
Iron	57-2	2247	2184	2324	2251	3.11	cps
Iron	54-2	5208	5258	5051	5172	2.09	cps
Krypton	83-1	387	317	337	347	10.40	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 04:31:53	DataFile Name :	004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4314	4001	4101	4138	3.87	cps
Lead	207-1	3701	3581	3744	3675	2.30	cps
Lead	208-1	16671	16187	16641	16500	1.64	cps
Lithium	6-1	3311005	3394271	3237554	3314277	2.37	cps
Magnesium	24-2	1123	1087	1107	1106	1.66	cps
Manganese	55-2	1347	1533	1507	1462	6.90	cps
Molybdenum	94-1	980	1150	960	1030	10.14	cps
Molybdenum	95-1	133	123	70	109	31.27	cps
Molybdenum	96-1	360	377	287	341	14.04	cps
Molybdenum	97-1	90	93	60	81	22.63	cps
Molybdenum	98-1	237	210	180	209	13.57	cps
Neodymium	150-1	27	33	30	30	11.10	cps
Neodymium	150-2	3	17	17	12	63.01	cps
Nickel	60-2	1047	1100	1047	1064	2.89	cps
Phosphorus	31-2	527	520	483	510	4.57	cps
Potassium	39-2	79413	80518	80913	80281	0.97	cps
Rhodium	103-1	28899720	28573665	28474762	28649383	0.78	cps
Rhodium	103-2	16900397	16487106	16571884	16653129	1.31	cps
Scandium	45-1	16893554	17043925	16905662	16947714	0.49	cps
Scandium	45-2	1409068	1416079	1428596	1417914	0.70	cps
Selenium	82-1	638	591	568	599	5.94	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	620	573	517	570	9.08	cps
Silicon	28-1	1554361	1545538	1539059	1546320	0.50	cps
Silver	107-1	290	313	250	284	11.26	cps
Silver	109-1	143	177	150	157	11.26	cps
Sodium	23-2	37686	37128	37836	37550	0.99	cps
Strontium	86-1	583	553	587	574	3.20	cps
Strontium	88-1	963	893	863	907	5.66	cps
Sulfur	34-1	333648	331567	329844	331686	0.57	cps
Terbium	159-1	34448884	34701304	34427947	34526045	0.44	cps
Terbium	159-2	21885569	21727655	21950913	21854712	0.53	cps
Thallium	203-1	127	167	200	164	22.33	cps
Thallium	205-1	347	277	367	330	14.32	cps
Tin	118-1	4998	4978	5151	5042	1.88	cps
Titanium	47-1	1267	1350	1240	1286	4.46	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 04:31:53	DataFile Name :	004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	87	73	37	66	39.49	cps
Vanadium	51-2	23	27	47	32	39.17	cps
Yttrium	89-1	40282931	40279649	39482401	40014994	1.15	cps
Yttrium	89-2	10214866	10063893	10111968	10130242	0.76	cps
Zinc	66-2	4687	4627	4761	4692	1.42	cps
Zirconium	90-1	2877	2877	2710	2821	3.41	cps
Zirconium	91-1	557	523	593	558	6.28	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P7
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 04:38:22	DataFile Name :	006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	11124	11284	11101	11170	0.89	cps
Antimony	121-1	51850	52298	52917	52355	1.02	cps
Arsenic	75-2	1397	1520	1597	1505	6.71	cps
Barium	135-1	61904	62008	62503	62138	0.52	cps
Barium	137-1	106908	108480	106522	107303	0.97	cps
Beryllium	9-1	2673	2873	3223	2923	9.53	cps
Bismuth	209-1	19866032	19736831	19778663	19793842	0.33	cps
Bismuth	209-2	15172447	14589357	15871273	15211026	4.22	cps
Bromine	81-1	17507	17194	16496	17066	3.03	cps
Bromine	81-2	117	93	80	97	19.20	cps
Cadmium	108-1	517	587	487	530	9.68	cps
Cadmium	106-1	11348	10904	10878	11043	2.39	cps
Cadmium	111-1	15000	14684	14392	14692	2.07	cps
Calcium	43-1	38054	38653	38509	38405	0.81	cps
Calcium	44-1	634063	641207	641699	638989	0.67	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	27141	27058	27091	27097	0.16	cps
Cobalt	59-2	18819	18351	19042	18737	1.88	cps
Copper	63-2	27208	27368	27031	27203	0.62	cps
Dysprosium	156-1	33	23	20	26	27.15	cps
Dysprosium	156-2	33	7	30	23	62.26	cps
Erbium	164-1	140	147	167	151	9.18	cps
Erbium	164-2	113	90	113	106	12.77	cps
Gadolinium	160-1	150	190	197	179	14.11	cps
Gadolinium	160-2	1247	1170	1440	1286	10.82	cps
Holmium	165-1	33475961	33704583	33765358	33648634	0.45	cps
Holmium	165-2	22493635	21518486	23269174	22427098	3.91	cps
Indium	115-1	29799953	29833385	30118621	29917320	0.59	cps
Indium	115-2	10312446	9857856	10697008	10289103	4.08	cps
Iron	56-2	571422	573430	575982	573611	0.40	cps
Iron	57-2	16576	16142	15688	16135	2.75	cps
Iron	54-2	34560	35525	35108	35064	1.38	cps
Krypton	83-1	357	370	373	367	2.41	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P7
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 04:38:22	DataFile Name :	006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	19187	19758	19634	19526	1.54	cps
Lead	207-1	16864	16407	17017	16763	1.90	cps
Lead	208-1	76886	77641	76654	77060	0.67	cps
Lithium	6-1	3405429	3382064	3423372	3403621	0.61	cps
Magnesium	24-2	479766	478700	478583	479017	0.14	cps
Manganese	55-2	10150	10370	10610	10377	2.22	cps
Molybdenum	94-1	55103	55625	55528	55419	0.50	cps
Molybdenum	95-1	66494	66915	66758	66722	0.32	cps
Molybdenum	96-1	73611	75058	74612	74427	1.00	cps
Molybdenum	97-1	41445	42448	41663	41852	1.26	cps
Molybdenum	98-1	106028	108432	108254	107571	1.25	cps
Neodymium	150-1	27	47	40	38	26.95	cps
Neodymium	150-2	17	7	13	12	41.65	cps
Nickel	60-2	5548	5184	5128	5287	4.31	cps
Phosphorus	31-2	1387	1333	1367	1362	1.98	cps
Potassium	39-2	668244	671347	669725	669772	0.23	cps
Rhodium	103-1	28582015	28668460	28847735	28699403	0.47	cps
Rhodium	103-2	16902853	15994583	17386638	16761358	4.22	cps
Scandium	45-1	16638135	16799436	16993166	16810246	1.06	cps
Scandium	45-2	1413006	1378598	1492747	1428117	4.10	cps
Selenium	82-1	2972	2867	2802	2881	2.97	cps
Selenium	77-2	183	247	223	218	14.71	cps
Selenium	78-2	1153	1230	1153	1179	3.76	cps
Silicon	28-1	1604626	1568630	1601093	1591450	1.25	cps
Silver	107-1	34150	35092	35650	34964	2.17	cps
Silver	109-1	33515	33876	33308	33567	0.86	cps
Sodium	23-2	768419	766257	766018	766898	0.17	cps
Strontium	86-1	9330	9220	9166	9239	0.90	cps
Strontium	88-1	75372	74534	74792	74899	0.57	cps
Sulfur	34-1	342256	343412	344037	343235	0.26	cps
Terbium	159-1	34540744	34098734	35206498	34615325	1.61	cps
Terbium	159-2	22615094	21556616	23322310	22498007	3.95	cps
Thallium	203-1	22606	22359	22335	22433	0.67	cps
Thallium	205-1	53163	53689	52387	53080	1.23	cps
Tin	118-1	115868	115397	115374	115546	0.24	cps
Titanium	47-1	18248	18481	17997	18242	1.33	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P7
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 04:38:22	DataFile Name :	006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	62245	62486	61716	62149	0.63	cps
Vanadium	51-2	47388	46802	46832	47007	0.70	cps
Yttrium	89-1	39938004	40050459	40375819	40121427	0.57	cps
Yttrium	89-2	10333495	9666907	10595745	10198716	4.70	cps
Zinc	66-2	14334	14167	14070	14190	0.94	cps
Zirconium	90-1	47834	47918	48383	48045	0.61	cps
Zirconium	91-1	10491	10494	10651	10545	0.87	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P7
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 04:41:36	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	568124	571894	568803	569607	0.35	cps
Antimony	121-1	1322344	1327953	1323510	1324602	0.22	cps
Arsenic	75-2	71029	70453	70784	70755	0.41	cps
Barium	135-1	1654678	1623714	1661348	1646580	1.22	cps
Barium	137-1	2818417	2771949	2802350	2797572	0.84	cps
Beryllium	9-1	137390	138792	138355	138179	0.52	cps
Bismuth	209-1	19815521	19884076	19803201	19834266	0.22	cps
Bismuth	209-2	14977605	14872713	14935378	14928565	0.35	cps
Bromine	81-1	16910	16346	16586	16614	1.70	cps
Bromine	81-2	103	80	97	93	12.88	cps
Cadmium	108-1	26878	27286	27429	27198	1.05	cps
Cadmium	106-1	47915	47487	47370	47591	0.60	cps
Cadmium	111-1	371577	369402	373516	371498	0.55	cps
Calcium	43-1	379760	379195	379746	379567	0.08	cps
Calcium	44-1	6059608	6078640	5975129	6037792	0.91	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	553121	552354	554149	553208	0.16	cps
Cobalt	59-2	888610	886365	882500	885825	0.35	cps
Copper	63-2	6834355	6783477	6819614	6812482	0.38	cps
Dysprosium	156-1	70	63	77	70	9.53	cps
Dysprosium	156-2	73	90	90	84	11.40	cps
Erbium	164-1	160	147	187	164	12.39	cps
Erbium	164-2	93	90	147	110	28.91	cps
Gadolinium	160-1	93	167	140	133	27.84	cps
Gadolinium	160-2	1337	1277	1103	1239	9.78	cps
Holmium	165-1	33543311	33265315	33627724	33478783	0.57	cps
Holmium	165-2	22209576	22163501	21920944	22098007	0.70	cps
Indium	115-1	29555337	28895334	28908425	29119699	1.30	cps
Indium	115-2	9916542	10008427	9844655	9923208	0.83	cps
Iron	56-2	25961704	26243330	26319706	26174913	0.72	cps
Iron	57-2	658065	657611	654804	656827	0.27	cps
Iron	54-2	1439465	1432718	1435316	1435833	0.24	cps
Krypton	83-1	340	270	330	313	12.08	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P7
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 04:41:36	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4662863	4666101	4800417	4709794	1.67	cps
Lead	207-1	4095955	4163641	4167986	4142527	0.98	cps
Lead	208-1	18647796	18871983	19045027	18854935	1.06	cps
Lithium	6-1	3458414	3452635	3478262	3463104	0.39	cps
Magnesium	24-2	5181894	5207516	5196234	5195215	0.25	cps
Manganese	55-2	4244799	4300284	4341453	4295512	1.13	cps
Molybdenum	94-1	4878280	4887030	4895094	4886802	0.17	cps
Molybdenum	95-1	7168904	7080414	7159250	7136190	0.68	cps
Molybdenum	96-1	7890217	7728378	7779173	7799256	1.06	cps
Molybdenum	97-1	4437772	4365838	4377737	4393782	0.88	cps
Molybdenum	98-1	11385212	11472691	11188809	11348904	1.28	cps
Neodymium	150-1	57	67	107	77	34.51	cps
Neodymium	150-2	33	53	33	40	28.87	cps
Nickel	60-2	234039	231907	230306	232084	0.81	cps
Phosphorus	31-2	30080	29064	29425	29523	1.74	cps
Potassium	39-2	3062537	3105849	3031575	3066653	1.22	cps
Rhodium	103-1	28054245	28011822	28052350	28039472	0.09	cps
Rhodium	103-2	16164015	15997302	16088396	16083238	0.52	cps
Scandium	45-1	16784204	16528406	16555859	16622823	0.84	cps
Scandium	45-2	1383815	1389309	1381264	1384796	0.30	cps
Selenium	82-1	21964	22340	22122	22142	0.85	cps
Selenium	77-2	1957	2110	2087	2051	4.03	cps
Selenium	78-2	7622	7462	7685	7590	1.52	cps
Silicon	28-1	3582442	3559457	3563977	3568625	0.34	cps
Silver	107-1	1890265	1811501	1837226	1846331	2.18	cps
Silver	109-1	1785239	1797196	1757624	1780020	1.14	cps
Sodium	23-2	8165962	8116573	8115767	8132768	0.35	cps
Strontium	86-1	429533	432387	429937	430619	0.36	cps
Strontium	88-1	3919915	3858535	3883094	3887181	0.79	cps
Sulfur	34-1	433243	435015	431420	433226	0.41	cps
Terbium	159-1	34873848	34535222	34163645	34524238	1.03	cps
Terbium	159-2	22204704	22083967	22123887	22137519	0.28	cps
Thallium	203-1	1155219	1159413	1151387	1155340	0.35	cps
Thallium	205-1	2794370	2812371	2843740	2816827	0.89	cps
Tin	118-1	1114803	1130161	1133501	1126155	0.89	cps
Titanium	47-1	1752588	1755352	1724374	1744105	0.98	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P7
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 04:41:36	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	3416762	3449492	3436601	3434285	0.48	cps
Vanadium	51-2	471459	470693	469967	470706	0.16	cps
Yttrium	89-1	40261521	39643497	39514416	39806478	1.00	cps
Yttrium	89-2	9908600	9808408	9724779	9813929	0.94	cps
Zinc	66-2	1085373	1069272	1076512	1077052	0.75	cps
Zirconium	90-1	2394965	2406922	2358901	2386929	1.05	cps
Zirconium	91-1	507667	513660	506872	509400	0.73	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P7
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 04:44:28	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1510613	1436410	1432763	1459929	3.01	cps
Antimony	121-1	3259680	3347500	3393914	3333698	2.04	cps
Arsenic	75-2	176189	170459	170075	172241	1.99	cps
Barium	135-1	3892521	4066619	4130185	4029775	3.05	cps
Barium	137-1	6589996	6934009	7051174	6858393	3.50	cps
Beryllium	9-1	324154	342999	344501	337218	3.36	cps
Bismuth	209-1	20606918	20433742	19806988	20282549	2.07	cps
Bismuth	209-2	14627318	14904493	14698267	14743359	0.98	cps
Bromine	81-1	15975	15802	16486	16088	2.21	cps
Bromine	81-2	127	97	110	111	13.53	cps
Cadmium	108-1	63957	65269	66204	65143	1.73	cps
Cadmium	106-1	99538	101498	102860	101299	1.65	cps
Cadmium	111-1	866924	896453	901484	888287	2.10	cps
Calcium	43-1	878163	907903	908054	898040	1.92	cps
Calcium	44-1	14167852	14472187	14316994	14319011	1.06	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1379735	1364769	1348610	1364371	1.14	cps
Cobalt	59-2	2268937	2274190	2293259	2278795	0.56	cps
Copper	63-2	16427957	16561494	16743732	16577728	0.96	cps
Dysprosium	156-1	73	80	103	86	18.41	cps
Dysprosium	156-2	167	237	177	193	19.58	cps
Erbium	164-1	200	183	183	189	5.09	cps
Erbium	164-2	97	150	97	114	26.90	cps
Gadolinium	160-1	200	190	130	173	21.84	cps
Gadolinium	160-2	1280	1193	1247	1240	3.53	cps
Holmium	165-1	35005254	34541335	33519159	34355249	2.21	cps
Holmium	165-2	22100270	22110887	21941189	22050782	0.43	cps
Indium	115-1	30164265	29714402	28450787	29443151	3.02	cps
Indium	115-2	9673142	9870622	9538011	9693925	1.73	cps
Iron	56-2	65099842	62984232	65749739	64611271	2.24	cps
Iron	57-2	1616154	1576975	1628942	1607357	1.68	cps
Iron	54-2	3634675	3512134	3472276	3539695	2.39	cps
Krypton	83-1	367	293	307	322	12.12	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P7
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 04:44:28	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	11326767	12022664	11953354	11767595	3.26	cps
Lead	207-1	10076758	10435402	10548400	10353520	2.38	cps
Lead	208-1	45373653	47612306	47592201	46859387	2.75	cps
Lithium	6-1	3601181	3547405	3448555	3532381	2.19	cps
Magnesium	24-2	12747001	12580122	12343494	12556873	1.61	cps
Manganese	55-2	10769670	10348324	10441156	10519717	2.10	cps
Molybdenum	94-1	11616256	11969638	12011280	11865725	1.83	cps
Molybdenum	95-1	16813681	17496997	17499013	17269897	2.29	cps
Molybdenum	96-1	18352801	19189665	19209540	18917335	2.58	cps
Molybdenum	97-1	10359993	10816624	10787969	10654862	2.40	cps
Molybdenum	98-1	26707075	27905195	28029698	27547323	2.65	cps
Neodymium	150-1	247	197	180	208	16.70	cps
Neodymium	150-2	37	63	40	47	31.13	cps
Nickel	60-2	592956	604056	593678	596897	1.04	cps
Phosphorus	31-2	71924	71261	72762	71983	1.04	cps
Potassium	39-2	7300797	7369699	7336483	7335660	0.47	cps
Rhodium	103-1	28403512	28135792	27339181	27959495	1.98	cps
Rhodium	103-2	15634682	15754041	15619840	15669521	0.47	cps
Scandium	45-1	16754858	16701296	15976913	16477689	2.64	cps
Scandium	45-2	1333273	1329275	1344653	1335733	0.60	cps
Selenium	82-1	51693	53218	53298	52736	1.71	cps
Selenium	77-2	5211	5368	5231	5270	1.62	cps
Selenium	78-2	17954	18118	17367	17813	2.22	cps
Silicon	28-1	5931447	6162317	6196474	6096746	2.36	cps
Silver	107-1	4429978	4572974	4487943	4496965	1.60	cps
Silver	109-1	4193759	4263761	4343077	4266866	1.75	cps
Sodium	23-2	19639674	19614620	19560358	19604884	0.21	cps
Strontium	86-1	1008132	1045850	1049304	1034429	2.21	cps
Strontium	88-1	9113086	9393161	9378517	9294921	1.70	cps
Sulfur	34-1	550427	559037	554994	554819	0.78	cps
Terbium	159-1	35436838	35667624	34349536	35151333	2.00	cps
Terbium	159-2	22026266	21936775	21831417	21931486	0.44	cps
Thallium	203-1	2902476	2977855	3032162	2970831	2.19	cps
Thallium	205-1	6828606	7133920	7237522	7066682	3.01	cps
Tin	118-1	2706289	2816057	2820695	2781014	2.33	cps
Titanium	47-1	4118666	4222262	4248870	4196599	1.64	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P7
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 04:44:28	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8477360	8653118	8802644	8644374	1.88	cps
Vanadium	51-2	1141837	1141390	1137649	1140292	0.20	cps
Yttrium	89-1	40272704	39681496	38161677	39371959	2.77	cps
Yttrium	89-2	9507065	9491106	9462235	9486802	0.24	cps
Zinc	66-2	2621064	2613305	2647936	2627435	0.69	cps
Zirconium	90-1	5604070	5782972	5760393	5715812	1.70	cps
Zirconium	91-1	1205880	1244678	1252975	1234511	2.04	cps

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On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P7
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 04:47:12	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2883489	2866221	2802394	2850701	1.50	cps
Antimony	121-1	6376529	6600039	6574555	6517041	1.88	cps
Arsenic	75-2	338696	337718	333860	336758	0.76	cps
Barium	135-1	7756151	7992009	7953925	7900695	1.60	cps
Barium	137-1	13208145	13677393	13911096	13598878	2.63	cps
Beryllium	9-1	634913	667592	658640	653715	2.58	cps
Bismuth	209-1	20428185	20067138	20028032	20174452	1.09	cps
Bismuth	209-2	15183977	14935045	14675416	14931479	1.70	cps
Bromine	81-1	15892	15635	15785	15771	0.82	cps
Bromine	81-2	140	107	103	117	17.38	cps
Cadmium	108-1	124223	129949	128876	127683	2.38	cps
Cadmium	106-1	182117	188494	188061	186224	1.91	cps
Cadmium	111-1	1693177	1769203	1779408	1747263	2.70	cps
Calcium	43-1	1686618	1748712	1743736	1726356	2.00	cps
Calcium	44-1	26718228	27930803	27741460	27463497	2.38	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2689016	2732184	2705166	2708789	0.81	cps
Cobalt	59-2	4349502	4294029	4287710	4310413	0.79	cps
Copper	63-2	32614329	32378986	31739402	32244239	1.40	cps
Dysprosium	156-1	103	160	157	140	22.71	cps
Dysprosium	156-2	373	413	380	389	5.51	cps
Erbium	164-1	257	170	280	236	24.61	cps
Erbium	164-2	150	140	117	136	12.62	cps
Gadolinium	160-1	230	223	147	200	23.15	cps
Gadolinium	160-2	1290	1257	1180	1242	4.54	cps
Holmium	165-1	34564576	33862351	33730110	34052346	1.32	cps
Holmium	165-2	22729787	22286991	22074992	22363924	1.49	cps
Indium	115-1	28995006	28312357	28278178	28528514	1.42	cps
Indium	115-2	9819373	9621768	9571911	9671017	1.35	cps
Iron	56-2	126054255	124387635	124546165	124996018	0.74	cps
Iron	57-2	3128903	3079619	3137735	3115419	1.01	cps
Iron	54-2	6938223	6918979	6856408	6904536	0.62	cps
Krypton	83-1	280	350	270	300	14.53	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P7
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 04:47:12	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	22233144	23409508	23465281	23035978	3.02	cps
Lead	207-1	19549020	20675090	20609901	20278004	3.12	cps
Lead	208-1	89392645	94342822	93959517	92564994	2.98	cps
Lithium	6-1	3514095	3395580	3453815	3454497	1.72	cps
Magnesium	24-2	24841703	24971529	24678413	24830548	0.59	cps
Manganese	55-2	20600661	20306071	20511513	20472748	0.74	cps
Molybdenum	94-1	22470181	23484979	23640809	23198656	2.74	cps
Molybdenum	95-1	32879030	33954587	34070039	33634552	1.95	cps
Molybdenum	96-1	36182074	37494232	37073720	36916675	1.81	cps
Molybdenum	97-1	20451748	21144826	21182048	20926208	1.97	cps
Molybdenum	98-1	52828704	54567553	54888281	54094846	2.05	cps
Neodymium	150-1	333	363	380	359	6.59	cps
Neodymium	150-2	100	80	97	92	11.62	cps
Nickel	60-2	1109643	1111640	1112617	1111300	0.14	cps
Phosphorus	31-2	138886	136684	136220	137263	1.04	cps
Potassium	39-2	14121047	13890896	14064225	14025389	0.85	cps
Rhodium	103-1	27519350	26847200	26810234	27058928	1.48	cps
Rhodium	103-2	15753726	15584328	15532272	15623442	0.74	cps
Scandium	45-1	16175477	15868612	15761658	15935249	1.35	cps
Scandium	45-2	1332801	1300182	1314457	1315813	1.24	cps
Selenium	82-1	99315	103128	102228	101557	1.96	cps
Selenium	77-2	10487	10207	9873	10189	3.02	cps
Selenium	78-2	33762	33732	33819	33771	0.13	cps
Silicon	28-1	10128560	10436276	10420278	10328372	1.68	cps
Silver	107-1	8443146	8786882	8783769	8671265	2.28	cps
Silver	109-1	8128058	8381290	8394743	8301364	1.81	cps
Sodium	23-2	39306271	38996381	38272904	38858519	1.36	cps
Strontium	86-1	2034804	2105413	2115663	2085293	2.11	cps
Strontium	88-1	17803408	18553888	18416584	18257960	2.19	cps
Sulfur	34-1	743860	761396	758356	754537	1.24	cps
Terbium	159-1	34967430	34600582	34265039	34611017	1.02	cps
Terbium	159-2	22532325	21893175	22137068	22187522	1.45	cps
Thallium	203-1	5683575	5846203	5883997	5804592	1.83	cps
Thallium	205-1	13355438	14095569	14177880	13876296	3.26	cps
Tin	118-1	5252105	5434066	5595448	5427207	3.17	cps
Titanium	47-1	7874504	8214337	8149292	8079378	2.23	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P7
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 04:47:12	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	16541833	17374246	17608557	17174879	3.26	cps
Vanadium	51-2	2369536	2325448	2311265	2335416	1.30	cps
Yttrium	89-1	39527769	38810416	38065154	38801113	1.88	cps
Yttrium	89-2	9513603	9380122	9372444	9422056	0.84	cps
Zinc	66-2	5223152	5211401	5154903	5196485	0.70	cps
Zirconium	90-1	10994637	11704782	11465405	11388274	3.17	cps
Zirconium	91-1	2433953	2534589	2514838	2494460	2.14	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P7
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 04:49:58	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5472121	5416900	5451136	5446719	0.51	cps
Antimony	121-1	12710870	12892720	12953980	12852523	0.98	cps
Arsenic	75-2	649303	650953	650010	650089	0.13	cps
Barium	135-1	15475065	15630904	15573252	15559740	0.51	cps
Barium	137-1	26960160	27066970	26797338	26941489	0.50	cps
Beryllium	9-1	1396383	1399155	1379677	1391738	0.76	cps
Bismuth	209-1	19257468	19396305	19437263	19363679	0.49	cps
Bismuth	209-2	14725280	14734688	14736394	14732121	0.04	cps
Bromine	81-1	15595	15275	15795	15555	1.69	cps
Bromine	81-2	137	110	87	111	22.52	cps
Cadmium	108-1	242762	247499	247517	245926	1.11	cps
Cadmium	106-1	350105	353632	352492	352076	0.51	cps
Cadmium	111-1	3381730	3449088	3426189	3419002	1.00	cps
Calcium	43-1	3293102	3347661	3390751	3343838	1.46	cps
Calcium	44-1	53039133	53859164	53704539	53534279	0.81	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	5294088	5299780	5225689	5273186	0.78	cps
Cobalt	59-2	8358496	8281383	8279935	8306605	0.54	cps
Copper	63-2	62195352	61617151	61575964	61796156	0.56	cps
Dysprosium	156-1	253	290	307	283	9.63	cps
Dysprosium	156-2	663	723	630	672	7.04	cps
Erbium	164-1	280	283	260	274	4.60	cps
Erbium	164-2	177	223	167	189	16.01	cps
Gadolinium	160-1	243	280	223	249	11.55	cps
Gadolinium	160-2	1333	1280	1127	1247	8.61	cps
Holmium	165-1	33416638	33818524	33739522	33658228	0.63	cps
Holmium	165-2	22437932	22260931	22074001	22257621	0.82	cps
Indium	115-1	27245700	27486280	27907271	27546417	1.22	cps
Indium	115-2	9442094	9401813	9552945	9465617	0.83	cps
Iron	56-2	239805983	242350250	242068050	241408094	0.58	cps
Iron	57-2	5972976	5998753	5945298	5972342	0.45	cps
Iron	54-2	13275548	13194661	13286289	13252166	0.38	cps
Krypton	83-1	293	323	350	322	8.80	cps

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On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P7
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 04:49:58	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	45555859	45991206	46284678	45943914	0.80	cps
Lead	207-1	40051928	40402362	40399380	40284557	0.50	cps
Lead	208-1	181566562	184072266	183903403	183180744	0.76	cps
Lithium	6-1	3306514	3345820	3358785	3337040	0.82	cps
Magnesium	24-2	48189731	48293989	48284049	48255923	0.12	cps
Manganese	55-2	39463457	39595244	39870455	39643052	0.52	cps
Molybdenum	94-1	45374401	45572068	45902024	45616164	0.58	cps
Molybdenum	95-1	66391569	66315959	66876154	66527894	0.46	cps
Molybdenum	96-1	72084311	72557616	72600477	72414134	0.40	cps
Molybdenum	97-1	40528122	40934647	41565917	41009562	1.28	cps
Molybdenum	98-1	105321115	106136902	107508548	106322188	1.04	cps
Neodymium	150-1	760	757	690	736	5.37	cps
Neodymium	150-2	180	183	187	183	1.82	cps
Nickel	60-2	2217537	2144765	2170206	2177503	1.70	cps
Phosphorus	31-2	261878	263258	265533	263557	0.70	cps
Potassium	39-2	27217226	27356273	27332502	27302000	0.27	cps
Rhodium	103-1	25658948	26075852	26077590	25937463	0.93	cps
Rhodium	103-2	15364296	15124474	15474672	15321148	1.17	cps
Scandium	45-1	15171963	15362679	15336501	15290381	0.68	cps
Scandium	45-2	1312620	1335396	1290509	1312842	1.71	cps
Selenium	82-1	196586	197492	198308	197462	0.44	cps
Selenium	77-2	19556	19707	19566	19610	0.43	cps
Selenium	78-2	65186	65102	65484	65257	0.31	cps
Silicon	28-1	20010052	20123013	20306329	20146465	0.74	cps
Silver	107-1	16689162	16899373	16712359	16766965	0.69	cps
Silver	109-1	16033876	16157508	16088595	16093326	0.38	cps
Sodium	23-2	75807971	77318871	74775846	75967562	1.68	cps
Strontium	86-1	4047170	4143475	4117357	4102667	1.21	cps
Strontium	88-1	35735564	35999854	35923111	35886176	0.38	cps
Sulfur	34-1	1313363	1343835	1314888	1324029	1.30	cps
Terbium	159-1	33984059	34188169	34120772	34097666	0.31	cps
Terbium	159-2	22263926	22199239	22109805	22190990	0.35	cps
Thallium	203-1	11533860	11598223	11698570	11610218	0.71	cps
Thallium	205-1	27402455	28009395	27900094	27770648	1.16	cps
Tin	118-1	10619231	10797449	10933814	10783498	1.46	cps
Titanium	47-1	15832754	15840589	15884977	15852773	0.18	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P7
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 04:49:58	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	34260175	34789054	34678304	34575844	0.81	cps
Vanadium	51-2	4498310	4610193	4490853	4533119	1.47	cps
Yttrium	89-1	37119558	37567336	37841149	37509347	0.97	cps
Yttrium	89-2	9457279	9371677	9454247	9427735	0.52	cps
Zinc	66-2	9850253	9903276	9950501	9901343	0.51	cps
Zirconium	90-1	21929361	22237716	22308893	22158657	0.91	cps
Zirconium	91-1	4824595	4888332	4915058	4875995	0.95	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P7
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 04:52:42	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	10822687	10671473	10800504	10764888	0.76	cps
Antimony	121-1	25270291	25706109	25640623	25539008	0.92	cps
Arsenic	75-2	1279796	1268406	1270015	1272739	0.48	cps
Barium	135-1	30579290	31137700	31084723	30933904	1.00	cps
Barium	137-1	53130884	53615256	53519338	53421826	0.48	cps
Beryllium	9-1	2621670	2527809	2555348	2568276	1.88	cps
Bismuth	209-1	17972514	18427735	18990638	18463629	2.76	cps
Bismuth	209-2	14376971	14238550	14363194	14326238	0.53	cps
Bromine	81-1	15932	15632	15895	15820	1.04	cps
Bromine	81-2	107	113	187	136	32.74	cps
Cadmium	108-1	473435	480995	482518	478983	1.02	cps
Cadmium	106-1	670532	679502	677653	675896	0.70	cps
Cadmium	111-1	6624757	6660322	6586515	6623865	0.56	cps
Calcium	43-1	6515813	6528903	6582948	6542555	0.54	cps
Calcium	44-1	103867738	105314642	104883428	104688603	0.71	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	10201149	10275860	10202845	10226618	0.42	cps
Cobalt	59-2	16141147	16428798	16361806	16310584	0.92	cps
Copper	63-2	119054245	120020032	119123208	119399162	0.45	cps
Dysprosium	156-1	490	617	483	530	14.18	cps
Dysprosium	156-2	1313	1317	1320	1317	0.25	cps
Erbium	164-1	490	403	447	447	9.70	cps
Erbium	164-2	320	280	293	298	6.84	cps
Gadolinium	160-1	380	360	333	358	6.54	cps
Gadolinium	160-2	1390	1377	1343	1370	1.75	cps
Holmium	165-1	31666448	32588614	33250254	32501772	2.45	cps
Holmium	165-2	22293644	22307903	22455261	22352269	0.40	cps
Indium	115-1	25832442	26244367	26759857	26278889	1.77	cps
Indium	115-2	9360576	9319181	9358047	9345935	0.25	cps
Iron	56-2	472630566	470849686	467055233	470178495	0.61	cps
Iron	57-2	11743038	11735217	11549461	11675905	0.94	cps
Iron	54-2	25949347	25904363	25563864	25805858	0.82	cps
Krypton	83-1	387	310	310	336	13.19	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P7
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 04:52:42	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	90560239	90812082	90340019	90570780	0.26	cps
Lead	207-1	79589915	79007495	79680040	79425817	0.46	cps
Lead	208-1	361196011	362054255	363639463	362296576	0.34	cps
Lithium	6-1	3023242	3018935	3115491	3052556	1.79	cps
Magnesium	24-2	94663249	94433795	94684139	94593727	0.15	cps
Manganese	55-2	77770272	78873637	76255327	77633079	1.69	cps
Molybdenum	94-1	89339749	91582682	90834359	90585596	1.26	cps
Molybdenum	95-1	130348845	132371315	131794108	131504756	0.79	cps
Molybdenum	96-1	144597455	144518518	144947685	144687886	0.16	cps
Molybdenum	97-1	81377767	81851280	82601779	81943609	0.75	cps
Molybdenum	98-1	210705724	209191397	210249064	210048728	0.37	cps
Neodymium	150-1	1357	1350	1380	1362	1.16	cps
Neodymium	150-2	343	350	313	336	5.82	cps
Nickel	60-2	4155666	4176073	4170414	4167384	0.25	cps
Phosphorus	31-2	517527	518806	517019	517784	0.18	cps
Potassium	39-2	53830961	54221794	53653086	53901947	0.54	cps
Rhodium	103-1	24017754	24704693	25499025	24740491	3.00	cps
Rhodium	103-2	15073453	15073506	14997009	15047990	0.29	cps
Scandium	45-1	14186736	14602041	15170379	14653052	3.37	cps
Scandium	45-2	1328670	1328277	1354183	1337043	1.11	cps
Selenium	82-1	381885	385753	385814	384484	0.59	cps
Selenium	77-2	38025	38246	37571	37947	0.91	cps
Selenium	78-2	126246	127158	125819	126408	0.54	cps
Silicon	28-1	36429424	36425678	35501612	36118905	1.48	cps
Silver	107-1	33051060	32675464	32775939	32834154	0.59	cps
Silver	109-1	31026830	31336571	31144067	31169156	0.50	cps
Sodium	23-2	148541081	147663378	148646454	148283638	0.36	cps
Strontium	86-1	8071476	8119184	8073287	8087982	0.33	cps
Strontium	88-1	70531156	71741331	70810974	71027820	0.89	cps
Sulfur	34-1	2173001	2149497	2178817	2167105	0.72	cps
Terbium	159-1	32289645	33487896	34345539	33374360	3.09	cps
Terbium	159-2	22238296	22201079	22238953	22226109	0.10	cps
Thallium	203-1	22907111	22944530	22928288	22926643	0.08	cps
Thallium	205-1	54698711	54671848	54236086	54535548	0.48	cps
Tin	118-1	21149936	21189214	21447429	21262193	0.76	cps
Titanium	47-1	30693411	31309155	30891750	30964772	1.02	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P7
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 04:52:42	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	68276211	69377632	69628724	69094189	1.04	cps
Vanadium	51-2	8877705	8879493	8967874	8908357	0.58	cps
Yttrium	89-1	35086891	36413094	37333454	36277813	3.11	cps
Yttrium	89-2	9495801	9413916	9421073	9443596	0.48	cps
Zinc	66-2	19417793	19151751	19101859	19223801	0.88	cps
Zirconium	90-1	43221213	44318676	44174901	43904930	1.36	cps
Zirconium	91-1	9617176	9854448	9671270	9714298	1.28	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P7
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 04:55:28	DataFile Name :	012CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	53258746	52849954	54712738	53607146	1.83	cps
Antimony	121-1	13096	13109	15208	13805	8.81	cps
Arsenic	75-2	870	683	693	749	14.02	cps
Barium	135-1	20915	18976	18612	19501	6.35	cps
Barium	137-1	36199	34027	31378	33868	7.13	cps
Beryllium	9-1	606	433	361	467	26.91	cps
Bismuth	209-1	16712660	16521835	16401292	16545262	0.95	cps
Bismuth	209-2	12272940	12252669	12760191	12428600	2.31	cps
Bromine	81-1	16870	17404	17347	17207	1.70	cps
Bromine	81-2	197	217	233	216	8.52	cps
Cadmium	108-1	250	230	187	222	14.57	cps
Cadmium	106-1	9553	9797	9303	9551	2.58	cps
Cadmium	111-1	8362	8127	7672	8054	4.36	cps
Calcium	43-1	31704029	31955920	31642461	31767470	0.52	cps
Calcium	44-1	507658659	510622459	511837246	510039455	0.42	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	20037	19770	19987	19931	0.71	cps
Cobalt	59-2	40381	41126	40672	40726	0.92	cps
Copper	63-2	22621	21512	20714	21616	4.43	cps
Dysprosium	156-1	870	923	930	908	3.62	cps
Dysprosium	156-2	763	707	783	751	5.29	cps
Erbium	164-1	1193	1033	1017	1081	9.02	cps
Erbium	164-2	713	727	660	700	5.04	cps
Gadolinium	160-1	1000	1043	1037	1027	2.27	cps
Gadolinium	160-2	1687	1653	1650	1663	1.22	cps
Holmium	165-1	32178495	31913445	31767041	31952993	0.65	cps
Holmium	165-2	20796455	20753240	21237897	20929197	1.28	cps
Indium	115-1	25387970	25663143	25698856	25583323	0.66	cps
Indium	115-2	8771090	8931671	9211857	8971539	2.49	cps
Iron	56-2	2265691913	2263061353	2256732980	2261828749	0.20	cps
Iron	57-2	56000691	56819861	56051034	56290529	0.82	cps
Iron	54-2	123445055	125682525	120967198	123364926	1.91	cps
Krypton	83-1	420	440	367	409	9.27	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P7
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 04:55:28	DataFile Name :	012CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	20439	15399	12526	16121	24.85	cps
Lead	207-1	17274	12759	10411	13482	25.88	cps
Lead	208-1	80330	59959	49873	63388	24.48	cps
Lithium	6-1	2969704	2938417	2946707	2951610	0.55	cps
Magnesium	24-2	456312927	451686433	447597927	451865762	0.96	cps
Manganese	55-2	40471	41136	41427	41011	1.19	cps
Molybdenum	94-1	30532	24501	22878	25970	15.53	cps
Molybdenum	95-1	31400	24537	20922	25620	20.78	cps
Molybdenum	96-1	53133	45845	41733	46904	12.31	cps
Molybdenum	97-1	19814	15205	13123	16047	21.34	cps
Molybdenum	98-1	49120	37304	32282	39569	21.85	cps
Neodymium	150-1	507	537	527	523	2.92	cps
Neodymium	150-2	257	273	280	270	4.45	cps
Nickel	60-2	11962	11678	11671	11770	1.41	cps
Phosphorus	31-2	627	683	597	636	6.93	cps
Potassium	39-2	263927416	268050089	264988689	265655398	0.81	cps
Rhodium	103-1	22831606	22949158	22712212	22830992	0.52	cps
Rhodium	103-2	13415995	13429031	13882499	13575841	1.96	cps
Scandium	45-1	14601915	14915983	15038634	14852177	1.52	cps
Scandium	45-2	1269936	1272014	1337017	1292989	2.95	cps
Selenium	82-1	780	813	721	771	6.05	cps
Selenium	77-2	13	10	3	9	57.30	cps
Selenium	78-2	527	507	513	516	1.98	cps
Silicon	28-1	1357152	1374790	1371506	1367816	0.69	cps
Silver	107-1	6492	4714	4021	5075	25.11	cps
Silver	109-1	6285	4261	3610	4719	29.56	cps
Sodium	23-2	696389323	697587643	695695350	696557439	0.14	cps
Strontium	86-1	26975	26497	26471	26648	1.06	cps
Strontium	88-1	229761	227672	225875	227769	0.85	cps
Sulfur	34-1	257234	264044	267951	263077	2.06	cps
Terbium	159-1	32518703	33093205	32213147	32608352	1.37	cps
Terbium	159-2	20884925	20566898	20515562	20655795	0.97	cps
Thallium	203-1	3724	2154	1677	2518	42.54	cps
Thallium	205-1	8650	5274	3524	5816	44.80	cps
Tin	118-1	14270	13570	12509	13450	6.59	cps
Titanium	47-1	6885	5124	4347	5452	23.85	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P7
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 04:55:28	DataFile Name :	012CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	10651	6688	4781	7373	40.61	cps
Vanadium	51-2	2540	2327	2270	2379	5.99	cps
Yttrium	89-1	35689707	36023179	35899809	35870899	0.47	cps
Yttrium	89-2	9155610	9321467	9215683	9230920	0.91	cps
Zinc	66-2	7842	7972	7612	7809	2.34	cps
Zirconium	90-1	30231	28528	27035	28598	5.59	cps
Zirconium	91-1	6512	6301	5971	6261	4.35	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	ICV001	Instrumnet Name :	P7
Client Sample ID :	ICV001	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 05:53:44	DataFile Name :	014ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	266599	264352	264417	265123	0.48	cps
Antimony	121-1	5071170	5143488	5108531	5107730	0.71	cps
Arsenic	75-2	277734	275876	274733	276114	0.55	cps
Barium	135-1	599764	606101	602212	602692	0.53	cps
Barium	137-1	1049575	1039688	1041700	1043654	0.50	cps
Beryllium	9-1	259025	262651	261737	261138	0.72	cps
Bismuth	209-1	20113986	20103476	19772648	19996703	0.97	cps
Bismuth	209-2	15112613	15143623	15018709	15091648	0.43	cps
Bromine	81-1	16946	17143	16656	16915	1.45	cps
Bromine	81-2	90	90	140	107	27.06	cps
Cadmium	108-1	44792	45317	44739	44949	0.71	cps
Cadmium	106-1	71411	72429	71448	71763	0.80	cps
Cadmium	111-1	697451	696449	694304	696068	0.23	cps
Calcium	43-1	137311	138206	138347	137955	0.41	cps
Calcium	44-1	2231954	2171006	2217298	2206752	1.44	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1068850	1065440	1072511	1068934	0.33	cps
Cobalt	59-2	1763945	1746337	1764335	1758206	0.58	cps
Copper	63-2	1217772	1214374	1218086	1216744	0.17	cps
Dysprosium	156-1	20	30	30	27	21.65	cps
Dysprosium	156-2	30	53	33	39	32.45	cps
Erbium	164-1	107	117	120	114	6.06	cps
Erbium	164-2	80	100	80	87	13.32	cps
Gadolinium	160-1	133	160	137	143	10.13	cps
Gadolinium	160-2	1193	1273	1273	1247	3.71	cps
Holmium	165-1	33483838	33529432	33510424	33507898	0.07	cps
Holmium	165-2	22484999	22455622	21999083	22313235	1.22	cps
Indium	115-1	29551820	29481632	29076555	29370002	0.87	cps
Indium	115-2	10125376	10148396	10157241	10143671	0.16	cps
Iron	56-2	19483073	19436197	19448879	19456050	0.12	cps
Iron	57-2	486923	488691	487789	487801	0.18	cps
Iron	54-2	1106493	1108128	1107573	1107398	0.08	cps
Krypton	83-1	260	327	297	294	11.34	cps

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On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	ICV001	Instrumnet Name :	P7
Client Sample ID :	ICV001	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 05:53:44	DataFile Name :	014ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3783123	3879380	3834155	3832219	1.26	cps
Lead	207-1	3197249	3238490	3164738	3200159	1.16	cps
Lead	208-1	14820661	15079274	14707728	14869221	1.28	cps
Lithium	6-1	3386566	3377659	3337638	3367288	0.77	cps
Magnesium	24-2	1028596	1024720	1031935	1028417	0.35	cps
Manganese	55-2	794528	793378	800320	796075	0.47	cps
Molybdenum	94-1	1470	1490	1523	1495	1.80	cps
Molybdenum	95-1	720	787	750	752	4.44	cps
Molybdenum	96-1	1233	1273	1200	1236	2.97	cps
Molybdenum	97-1	467	400	453	440	8.02	cps
Molybdenum	98-1	1303	1100	1227	1210	8.49	cps
Neodymium	150-1	37	37	23	32	23.90	cps
Neodymium	150-2	10	3	10	8	49.52	cps
Nickel	60-2	449297	448857	449156	449103	0.05	cps
Phosphorus	31-2	453	510	427	463	9.19	cps
Potassium	39-2	2286257	2282113	2248290	2272220	0.92	cps
Rhodium	103-1	28503590	28469027	28185570	28386062	0.61	cps
Rhodium	103-2	16522214	16314551	16402733	16413166	0.64	cps
Scandium	45-1	16893204	16827184	16790299	16836896	0.31	cps
Scandium	45-2	1415350	1386792	1417127	1406423	1.21	cps
Selenium	82-1	84614	85684	85701	85333	0.73	cps
Selenium	77-2	8559	8669	8729	8653	1.00	cps
Selenium	78-2	28952	28427	29216	28865	1.39	cps
Silicon	28-1	1464399	1435950	1453281	1451210	0.99	cps
Silver	107-1	1688376	1731240	1699049	1706222	1.31	cps
Silver	109-1	1604770	1632163	1644593	1627175	1.25	cps
Sodium	23-2	3012390	3015382	3008165	3011979	0.12	cps
Strontium	86-1	2694	2817	2840	2784	2.83	cps
Strontium	88-1	20194	19880	20004	20026	0.79	cps
Sulfur	34-1	337507	339632	336783	337974	0.44	cps
Terbium	159-1	34630533	35006241	34694503	34777092	0.58	cps
Terbium	159-2	22500178	21924626	21992542	22139115	1.42	cps
Thallium	203-1	4783355	4887429	4855070	4841951	1.10	cps
Thallium	205-1	11424750	11552533	11450147	11475810	0.59	cps
Tin	118-1	5845	5321	5491	5552	4.81	cps
Titanium	47-1	620	577	613	603	3.87	cps

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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	ICV001	Instrumnet Name :	P7
Client Sample ID :	ICV001	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 05:53:44	DataFile Name :	014ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	100	73	87	87	15.39	cps
Vanadium	51-2	894556	886888	887853	889765	0.47	cps
Yttrium	89-1	39654289	39874055	39428685	39652343	0.56	cps
Yttrium	89-2	10101290	9922179	9950659	9991376	0.96	cps
Zinc	66-2	404626	401754	402374	402918	0.38	cps
Zirconium	90-1	2647	2857	2697	2734	4.01	cps
Zirconium	91-1	960	1100	1027	1029	6.81	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	ICB001	Instrumnet Name :	P7
Client Sample ID :	ICB001	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 05:57:00	DataFile Name :	015CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	543	470	457	490	9.52	cps
Antimony	121-1	1517	1537	1803	1619	9.89	cps
Arsenic	75-2	63	47	20	43	50.44	cps
Barium	135-1	320	283	280	294	7.54	cps
Barium	137-1	583	570	480	544	10.32	cps
Beryllium	9-1	83	122	106	104	18.81	cps
Bismuth	209-1	19203232	19586548	19628359	19472713	1.20	cps
Bismuth	209-2	15111614	15083060	15169304	15121326	0.29	cps
Bromine	81-1	16740	16586	16426	16584	0.95	cps
Bromine	81-2	83	103	93	93	10.71	cps
Cadmium	108-1	17	57	50	41	52.12	cps
Cadmium	106-1	9990	10234	9873	10032	1.83	cps
Cadmium	111-1	7171	7334	7023	7176	2.17	cps
Calcium	43-1	1663	1667	1597	1642	2.40	cps
Calcium	44-1	44044	42844	43422	43437	1.38	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4811	4594	4741	4715	2.35	cps
Cobalt	59-2	387	470	390	416	11.35	cps
Copper	63-2	1913	1960	1847	1907	2.99	cps
Dysprosium	156-1	47	43	33	41	16.89	cps
Dysprosium	156-2	17	30	23	23	28.56	cps
Erbium	164-1	153	150	133	146	7.36	cps
Erbium	164-2	57	53	87	66	28.01	cps
Gadolinium	160-1	113	170	170	151	21.65	cps
Gadolinium	160-2	1277	1243	1203	1241	2.96	cps
Holmium	165-1	32541550	33490811	33093234	33041865	1.44	cps
Holmium	165-2	22334497	22233348	22426324	22331390	0.43	cps
Indium	115-1	28420021	29327664	29041208	28929631	1.60	cps
Indium	115-2	10163346	10153174	10110631	10142383	0.28	cps
Iron	56-2	52702	53154	53026	52961	0.44	cps
Iron	57-2	2284	2304	2474	2354	4.44	cps
Iron	54-2	5688	5444	5324	5485	3.38	cps
Krypton	83-1	297	287	303	296	2.84	cps

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	ICB001	Instrumnet Name :	P7
Client Sample ID :	ICB001	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 05:57:00	DataFile Name :	015CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2417	2350	2090	2286	7.55	cps
Lead	207-1	1980	1893	1710	1861	7.41	cps
Lead	208-1	9151	8805	8214	8723	5.43	cps
Lithium	6-1	3312812	3437809	3366718	3372446	1.86	cps
Magnesium	24-2	1577	1520	1497	1531	2.69	cps
Manganese	55-2	867	843	917	876	4.28	cps
Molybdenum	94-1	1193	1167	1160	1173	1.50	cps
Molybdenum	95-1	107	117	110	111	4.58	cps
Molybdenum	96-1	387	333	400	373	9.45	cps
Molybdenum	97-1	93	87	47	76	33.40	cps
Molybdenum	98-1	197	137	197	177	19.61	cps
Neodymium	150-1	20	13	20	18	21.66	cps
Neodymium	150-2	20	10	30	20	50.00	cps
Nickel	60-2	660	577	657	631	7.48	cps
Phosphorus	31-2	527	590	517	544	7.30	cps
Potassium	39-2	84382	82804	83618	83601	0.94	cps
Rhodium	103-1	27602406	28139915	28201570	27981297	1.18	cps
Rhodium	103-2	16636450	16515652	16412470	16521524	0.68	cps
Scandium	45-1	16299473	16513312	16655541	16489442	1.09	cps
Scandium	45-2	1399502	1407578	1456688	1421256	2.18	cps
Selenium	82-1	700	676	571	649	10.58	cps
Selenium	77-2	0	3	0	1	173.21	cps
Selenium	78-2	573	500	510	528	7.54	cps
Silicon	28-1	1422629	1460347	1423152	1435376	1.51	cps
Silver	107-1	917	743	607	756	20.56	cps
Silver	109-1	737	657	537	643	15.65	cps
Sodium	23-2	37539	37813	37770	37707	0.39	cps
Strontium	86-1	717	683	603	668	8.72	cps
Strontium	88-1	1003	863	1000	956	8.36	cps
Sulfur	34-1	338533	339503	336900	338312	0.39	cps
Terbium	159-1	33800759	34115631	34180203	34032198	0.60	cps
Terbium	159-2	22466492	22074504	22006136	22182377	1.12	cps
Thallium	203-1	1167	873	770	937	21.97	cps
Thallium	205-1	2904	2390	1953	2416	19.69	cps
Tin	118-1	5711	5484	5428	5541	2.71	cps
Titanium	47-1	1790	1683	1623	1699	4.97	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	ICB001	Instrumnet Name :	P7
Client Sample ID :	ICB001	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 05:57:00	DataFile Name :	015CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	43	50	30	41	24.77	cps
Vanadium	51-2	107	127	77	103	24.35	cps
Yttrium	89-1	38035469	39133146	39344095	38837570	1.81	cps
Yttrium	89-2	9933118	9987828	9987485	9969477	0.32	cps
Zinc	66-2	3634	3467	3567	3556	2.36	cps
Zirconium	90-1	3407	3187	3150	3248	4.27	cps
Zirconium	91-1	693	640	667	667	4.00	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	ICSA001	Instrumnet Name :	P7
Client Sample ID :	ICSA001	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:00:15	DataFile Name :	016ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	48411701	48523629	48592288	48509206	0.19	cps
Antimony	121-1	26525	26979	27379	26961	1.59	cps
Arsenic	75-2	483	513	430	476	8.88	cps
Barium	135-1	8323	8359	8549	8410	1.45	cps
Barium	137-1	14341	14834	14898	14691	2.08	cps
Beryllium	9-1	767	811	739	772	4.72	cps
Bismuth	209-1	18340929	18583867	18754546	18559781	1.12	cps
Bismuth	209-2	13838981	13880750	13746805	13822179	0.50	cps
Bromine	81-1	17931	17781	18605	18106	2.43	cps
Bromine	81-2	363	327	307	332	8.65	cps
Cadmium	108-1	4367	4367	4284	4340	1.11	cps
Cadmium	106-1	9637	9283	9493	9471	1.88	cps
Cadmium	111-1	9110	8902	8861	8957	1.49	cps
Calcium	43-1	6233834	6314314	6388041	6312063	1.22	cps
Calcium	44-1	100125762	101185098	102181858	101164240	1.02	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	201566	201745	202118	201810	0.14	cps
Cobalt	59-2	20000	19893	19580	19824	1.10	cps
Copper	63-2	86193	86086	86112	86130	0.06	cps
Dysprosium	156-1	117	103	120	113	7.78	cps
Dysprosium	156-2	80	77	103	87	16.77	cps
Erbium	164-1	183	217	230	210	11.44	cps
Erbium	164-2	190	147	117	151	24.40	cps
Gadolinium	160-1	267	263	210	247	12.89	cps
Gadolinium	160-2	1183	1223	1100	1169	5.38	cps
Holmium	165-1	32887660	33070800	33499197	33152552	0.95	cps
Holmium	165-2	22122211	21734584	21479826	21778874	1.49	cps
Indium	115-1	27521258	27420872	27605919	27516017	0.34	cps
Indium	115-2	9353413	9583834	9450369	9462539	1.22	cps
Iron	56-2	917656333	920428306	920573986	919552875	0.18	cps
Iron	57-2	23006935	23038614	22882973	22976174	0.36	cps
Iron	54-2	50648136	49587793	50066748	50100892	1.06	cps
Krypton	83-1	300	317	383	333	13.23	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	ICSA001	Instrumnet Name :	P7
Client Sample ID :	ICSA001	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:00:15	DataFile Name :	016ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	80181	80661	80345	80396	0.30	cps
Lead	207-1	62319	64204	64204	63576	1.71	cps
Lead	208-1	296516	300472	301108	299365	0.83	cps
Lithium	6-1	3105026	2979455	2899793	2994758	3.45	cps
Magnesium	24-2	86275035	85451535	85852789	85859786	0.48	cps
Manganese	55-2	59966	58955	58955	59292	0.98	cps
Molybdenum	94-1	13705157	13883481	14077686	13888775	1.34	cps
Molybdenum	95-1	24125981	24616977	24896378	24546445	1.59	cps
Molybdenum	96-1	25940315	26698300	26967540	26535385	2.01	cps
Molybdenum	97-1	14943159	15257153	15489005	15229772	1.80	cps
Molybdenum	98-1	38466753	39286531	39980437	39244574	1.93	cps
Neodymium	150-1	160	103	90	118	31.56	cps
Neodymium	150-2	63	67	57	62	8.18	cps
Nickel	60-2	22163	22400	21980	22181	0.95	cps
Phosphorus	31-2	2648841	2640302	2626901	2638681	0.42	cps
Potassium	39-2	104831945	105052868	104617038	104833951	0.21	cps
Rhodium	103-1	25283081	25010555	25507166	25266934	0.98	cps
Rhodium	103-2	14925321	15178320	14947691	15017110	0.93	cps
Scandium	45-1	15497634	15265632	15383210	15382159	0.75	cps
Scandium	45-2	1331640	1320667	1335710	1329339	0.59	cps
Selenium	82-1	630	534	477	547	14.09	cps
Selenium	77-2	7	10	3	7	50.03	cps
Selenium	78-2	490	467	443	467	5.00	cps
Silicon	28-1	1471402	1428254	1446119	1448592	1.50	cps
Silver	107-1	1057	960	997	1004	4.86	cps
Silver	109-1	910	933	853	899	4.58	cps
Sodium	23-2	141072745	139404048	141123748	140533513	0.70	cps
Strontium	86-1	254131	261479	265160	260257	2.16	cps
Strontium	88-1	2316959	2387603	2340716	2348426	1.53	cps
Sulfur	34-1	9049485	9072130	9057584	9059733	0.13	cps
Terbium	159-1	33577500	34071130	34492505	34047045	1.35	cps
Terbium	159-2	21982459	21569947	21647308	21733238	1.01	cps
Thallium	203-1	1477	1850	2130	1819	18.02	cps
Thallium	205-1	3927	4294	4617	4280	8.07	cps
Tin	118-1	6558	6912	6261	6577	4.95	cps
Titanium	47-1	5997555	6030354	6150541	6059484	1.33	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	ICSA001	Instrumnet Name :	P7
Client Sample ID :	ICSA001	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:00:15	DataFile Name :	016ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	1053	957	990	1000	4.91	cps
Vanadium	51-2	1600	1550	1690	1613	4.40	cps
Yttrium	89-1	37501742	37340219	37734940	37525634	0.53	cps
Yttrium	89-2	9588282	9576577	9503984	9556281	0.48	cps
Zinc	66-2	21883	21305	22190	21793	2.06	cps
Zirconium	90-1	2220	2347	2407	2325	4.10	cps
Zirconium	91-1	390	440	567	466	19.56	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	ICSAB001	Instrumnet Name :	P7
Client Sample ID :	ICSAB001	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:03:18	DataFile Name :	017ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	48525928	48167086	48576076	48423030	0.46	cps
Antimony	121-1	518390	525050	527708	523716	0.92	cps
Arsenic	75-2	26517	26838	26921	26759	0.80	cps
Barium	135-1	127343	128995	127239	127859	0.77	cps
Barium	137-1	220020	224945	221510	222158	1.14	cps
Beryllium	9-1	43862	44169	43188	43740	1.15	cps
Bismuth	209-1	19230953	19267416	19076820	19191730	0.53	cps
Bismuth	209-2	14168518	14249956	14090348	14169607	0.56	cps
Bromine	81-1	19570	20458	20862	20296	3.26	cps
Bromine	81-2	613	627	713	651	8.34	cps
Cadmium	108-1	12549	12459	12442	12483	0.46	cps
Cadmium	106-1	20979	20464	21269	20904	1.95	cps
Cadmium	111-1	135807	137676	138392	137292	0.97	cps
Calcium	43-1	6457391	6465563	6522689	6481881	0.55	cps
Calcium	44-1	102884918	104772895	104460832	104039548	0.97	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	401344	401402	399035	400594	0.34	cps
Cobalt	59-2	337749	339687	337752	338396	0.33	cps
Copper	63-2	311381	306696	305982	308020	0.95	cps
Dysprosium	156-1	107	113	97	106	7.94	cps
Dysprosium	156-2	60	87	73	73	18.18	cps
Erbium	164-1	293	267	230	263	12.08	cps
Erbium	164-2	137	143	143	141	2.73	cps
Gadolinium	160-1	200	230	290	240	19.10	cps
Gadolinium	160-2	1183	1153	1103	1147	3.52	cps
Holmium	165-1	34605997	34327124	34606797	34513306	0.47	cps
Holmium	165-2	22599091	22499659	22485418	22528056	0.27	cps
Indium	115-1	28560471	28593997	28607844	28587437	0.09	cps
Indium	115-2	9784457	9774114	9755335	9771302	0.15	cps
Iron	56-2	934959906	931400999	923040173	929800359	0.66	cps
Iron	57-2	23333150	22850297	23182554	23122000	1.07	cps
Iron	54-2	51632253	50606516	50760046	50999605	1.08	cps
Krypton	83-1	303	313	327	314	3.72	cps

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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	ICSAB001	Instrumnet Name :	P7
Client Sample ID :	ICSAB001	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:03:18	DataFile Name :	017ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	450086	454437	459615	454713	1.05	cps
Lead	207-1	376693	377268	382802	378921	0.89	cps
Lead	208-1	1738286	1755218	1762751	1752085	0.72	cps
Lithium	6-1	2859134	2777707	2778368	2805070	1.67	cps
Magnesium	24-2	85428035	85546925	85288929	85421297	0.15	cps
Manganese	55-2	208696	209699	208363	208919	0.33	cps
Molybdenum	94-1	14441663	14463146	14634401	14513070	0.73	cps
Molybdenum	95-1	25440919	25613310	25637025	25563751	0.42	cps
Molybdenum	96-1	27250367	27648574	27781792	27560244	1.00	cps
Molybdenum	97-1	15663416	15973734	15980988	15872712	1.14	cps
Molybdenum	98-1	40055310	40963256	41229800	40749456	1.51	cps
Neodymium	150-1	130	120	133	128	5.43	cps
Neodymium	150-2	57	77	57	63	18.23	cps
Nickel	60-2	102152	103209	102041	102467	0.63	cps
Phosphorus	31-2	2620814	2598141	2652531	2623828	1.04	cps
Potassium	39-2	107152795	106310545	106538955	106667432	0.41	cps
Rhodium	103-1	25934562	26411488	26307464	26217838	0.96	cps
Rhodium	103-2	15714196	15543238	15818309	15691914	0.89	cps
Scandium	45-1	15666306	15728431	15579714	15658150	0.48	cps
Scandium	45-2	1384781	1357748	1350706	1364412	1.32	cps
Selenium	82-1	8213	8449	8265	8309	1.49	cps
Selenium	77-2	683	720	750	718	4.65	cps
Selenium	78-2	3087	3057	2987	3044	1.69	cps
Silicon	28-1	1472106	1493305	1489371	1484927	0.76	cps
Silver	107-1	610005	618814	614673	614497	0.72	cps
Silver	109-1	579329	583792	587020	583380	0.66	cps
Sodium	23-2	139654018	140956365	141428305	140679562	0.65	cps
Strontium	86-1	271095	272487	273560	272381	0.45	cps
Strontium	88-1	2452455	2445208	2483891	2460518	0.84	cps
Sulfur	34-1	8985379	9252924	9036148	9091484	1.56	cps
Terbium	159-1	35227494	35247002	35768683	35414393	0.87	cps
Terbium	159-2	22179731	22169384	22250012	22199709	0.20	cps
Thallium	203-1	449692	455778	459483	454984	1.09	cps
Thallium	205-1	1066679	1079865	1076299	1074281	0.63	cps
Tin	118-1	6708	6678	6568	6652	1.11	cps
Titanium	47-1	6131967	6193442	6274639	6200016	1.15	cps

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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	ICSAB001	Instrumnet Name :	P7
Client Sample ID :	ICSAB001	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:03:18	DataFile Name :	017ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	1007	1087	1070	1054	4.00	cps
Vanadium	51-2	170922	169457	171081	170487	0.53	cps
Yttrium	89-1	39327629	39120040	39116778	39188149	0.31	cps
Yttrium	89-2	9965575	9899552	10001815	9955647	0.52	cps
Zinc	66-2	61476	61636	61302	61471	0.27	cps
Zirconium	90-1	2250	2330	2477	2352	4.89	cps
Zirconium	91-1	493	590	567	550	9.17	cps

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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	CCV001	Instrumnet Name :	P7
Client Sample ID :	CCV001	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:06:18	DataFile Name :	018CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	26568295	26129237	26505160	26400897	0.90	cps
Antimony	121-1	13206782	13272360	13212210	13230451	0.28	cps
Arsenic	75-2	665148	661481	663038	663222	0.28	cps
Barium	135-1	15212969	15765387	15219602	15399320	2.06	cps
Barium	137-1	26414688	26647266	26112573	26391509	1.02	cps
Beryllium	9-1	1131963	1134239	1150858	1139020	0.91	cps
Bismuth	209-1	18653005	18930782	18880792	18821526	0.79	cps
Bismuth	209-2	13737377	13814402	13801061	13784280	0.30	cps
Bromine	81-1	17904	18111	17791	17935	0.91	cps
Bromine	81-2	130	143	137	137	4.88	cps
Cadmium	108-1	227334	233812	233670	231606	1.60	cps
Cadmium	106-1	333731	337258	333277	334755	0.65	cps
Cadmium	111-1	3222936	3237519	3226535	3228997	0.24	cps
Calcium	43-1	16111099	16162862	16179761	16151241	0.22	cps
Calcium	44-1	259698196	261913216	258404409	260005274	0.68	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	5141760	5110080	5119010	5123617	0.32	cps
Cobalt	59-2	8297773	8230666	8378029	8302156	0.89	cps
Copper	63-2	61623229	62038094	61300192	61653839	0.60	cps
Dysprosium	156-1	657	730	603	663	9.59	cps
Dysprosium	156-2	1053	993	990	1012	3.52	cps
Erbium	164-1	613	727	657	666	8.59	cps
Erbium	164-2	427	423	440	430	2.05	cps
Gadolinium	160-1	600	573	663	612	7.55	cps
Gadolinium	160-2	1357	1433	1527	1439	5.92	cps
Holmium	165-1	34669306	34791805	34687989	34716367	0.19	cps
Holmium	165-2	22676220	22444815	22546611	22555882	0.51	cps
Indium	115-1	28171504	28306122	28216275	28231300	0.24	cps
Indium	115-2	9568223	9488320	9514275	9523606	0.43	cps
Iron	56-2	1140428170	1150314650	1154739876	1148494232	0.64	cps
Iron	57-2	28456515	28726377	28729430	28637440	0.55	cps
Iron	54-2	62392362	62230234	62590572	62404390	0.29	cps
Krypton	83-1	323	357	360	347	5.85	cps

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On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	CCV001	Instrumnet Name :	P7
Client Sample ID :	CCV001	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:06:18	DataFile Name :	018CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	43096263	43723144	43520664	43446690	0.74	cps
Lead	207-1	37564174	38154589	38582534	38100433	1.34	cps
Lead	208-1	171654996	173390036	175027494	173357509	0.97	cps
Lithium	6-1	2707828	2723705	2737362	2722965	0.54	cps
Magnesium	24-2	228927637	225335777	226573950	226945788	0.80	cps
Manganese	55-2	38841403	38500584	38834274	38725420	0.50	cps
Molybdenum	94-1	45304126	46036341	45834246	45724904	0.83	cps
Molybdenum	95-1	65301837	66956587	66353747	66204057	1.26	cps
Molybdenum	96-1	73015724	73379002	73019697	73138141	0.29	cps
Molybdenum	97-1	41047690	41303193	41612839	41321241	0.68	cps
Molybdenum	98-1	105202768	106441075	107115928	106253257	0.91	cps
Neodymium	150-1	790	833	800	808	2.81	cps
Neodymium	150-2	303	243	297	281	11.70	cps
Nickel	60-2	2120512	2132145	2131363	2128007	0.31	cps
Phosphorus	31-2	251011	249144	248617	249591	0.50	cps
Potassium	39-2	133387888	132667391	132882125	132979135	0.28	cps
Rhodium	103-1	25888208	25659351	25757147	25768235	0.45	cps
Rhodium	103-2	14994045	15022485	14820121	14945550	0.73	cps
Scandium	45-1	15968224	16002838	15831251	15934104	0.57	cps
Scandium	45-2	1350328	1342893	1377607	1356943	1.35	cps
Selenium	82-1	195549	197856	197067	196824	0.60	cps
Selenium	77-2	19490	19640	19740	19623	0.64	cps
Selenium	78-2	65263	65936	64218	65139	1.33	cps
Silicon	28-1	21074664	21217597	20761523	21017928	1.11	cps
Silver	107-1	16586959	16741157	16514917	16614344	0.70	cps
Silver	109-1	15615452	16017115	15746235	15792934	1.30	cps
Sodium	23-2	351011915	352052541	344727155	349263870	1.13	cps
Strontium	86-1	4106252	4195058	4075704	4125671	1.50	cps
Strontium	88-1	35358598	36215279	35876692	35816856	1.20	cps
Sulfur	34-1	1229468	1221647	1211202	1220772	0.75	cps
Terbium	159-1	35582770	35424031	35200904	35402568	0.54	cps
Terbium	159-2	22553167	22020051	22032931	22202050	1.37	cps
Thallium	203-1	11008099	11084957	10960269	11017775	0.57	cps
Thallium	205-1	25758556	26418304	25963769	26046876	1.30	cps
Tin	118-1	10461409	10576539	10518527	10518825	0.55	cps
Titanium	47-1	15439634	15618491	15487182	15515103	0.60	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	CCV001	Instrumnet Name :	P7
Client Sample ID :	CCV001	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:06:18	DataFile Name :	018CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	33018679	33370771	33773133	33387528	1.13	cps
Vanadium	51-2	4506853	4494105	4471263	4490740	0.40	cps
Yttrium	89-1	39241176	39325809	39408227	39325071	0.21	cps
Yttrium	89-2	9795660	9881278	9739059	9805332	0.73	cps
Zinc	66-2	9879276	9931095	9793549	9867973	0.70	cps
Zirconium	90-1	22064165	22128465	22527604	22240078	1.13	cps
Zirconium	91-1	4805711	4962484	4923110	4897101	1.67	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	CCB001	Instrumnet Name :	P7
Client Sample ID :	CCB001	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:09:00	DataFile Name :	019CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1857	1623	1623	1701	7.92	cps
Antimony	121-1	5064	5948	7159	6057	17.36	cps
Arsenic	75-2	50	47	57	51	9.96	cps
Barium	135-1	2270	1707	1220	1732	30.34	cps
Barium	137-1	3927	3130	2187	3081	28.27	cps
Beryllium	9-1	222	289	206	239	18.46	cps
Bismuth	209-1	20736265	20967695	20950171	20884710	0.62	cps
Bismuth	209-2	15641695	15920764	15950233	15837564	1.08	cps
Bromine	81-1	17521	17544	17107	17390	1.41	cps
Bromine	81-2	123	77	103	101	23.16	cps
Cadmium	108-1	83	50	47	60	33.79	cps
Cadmium	106-1	9923	10214	9837	9991	1.98	cps
Cadmium	111-1	7375	7571	7196	7381	2.54	cps
Calcium	43-1	3851	3427	2597	3292	19.37	cps
Calcium	44-1	83693	74525	64520	74246	12.92	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	5094	5031	4911	5012	1.86	cps
Cobalt	59-2	530	590	607	576	7.01	cps
Copper	63-2	5541	5048	4948	5179	6.14	cps
Dysprosium	156-1	33	40	20	31	32.73	cps
Dysprosium	156-2	13	10	13	12	15.73	cps
Erbium	164-1	177	157	143	159	10.56	cps
Erbium	164-2	70	107	110	96	23.23	cps
Gadolinium	160-1	150	117	107	124	18.23	cps
Gadolinium	160-2	1170	1220	1190	1193	2.11	cps
Holmium	165-1	34800212	34942424	35403477	35048704	0.90	cps
Holmium	165-2	23187165	23169495	23115107	23157255	0.16	cps
Indium	115-1	30060180	30720907	30817231	30532773	1.35	cps
Indium	115-2	10449372	10497301	10376574	10441082	0.58	cps
Iron	56-2	113293	110865	106759	110305	2.99	cps
Iron	57-2	3704	3737	3477	3639	3.89	cps
Iron	54-2	8673	8426	8239	8446	2.58	cps
Krypton	83-1	337	283	350	323	10.91	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	CCB001	Instrumnet Name :	P7
Client Sample ID :	CCB001	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:09:00	DataFile Name :	019CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	8910	6802	5618	7110	23.45	cps
Lead	207-1	7195	6118	4618	5977	21.66	cps
Lead	208-1	34057	27545	21533	27712	22.60	cps
Lithium	6-1	3093175	3083489	3015883	3064182	1.37	cps
Magnesium	24-2	11634	10670	9930	10745	7.95	cps
Manganese	55-2	2790	2557	2324	2557	9.13	cps
Molybdenum	94-1	7879	6742	5788	6803	15.39	cps
Molybdenum	95-1	10074	7725	6535	8111	22.20	cps
Molybdenum	96-1	11184	9183	7175	9181	21.83	cps
Molybdenum	97-1	6241	5211	4094	5182	20.73	cps
Molybdenum	98-1	16106	13199	10444	13250	21.37	cps
Neodymium	150-1	50	50	13	38	56.04	cps
Neodymium	150-2	7	13	27	16	65.47	cps
Nickel	60-2	607	617	663	629	4.81	cps
Phosphorus	31-2	520	450	427	466	10.43	cps
Potassium	39-2	101438	100398	97718	99851	1.92	cps
Rhodium	103-1	28860051	29068225	29126999	29018425	0.48	cps
Rhodium	103-2	17154168	17224470	17100497	17159712	0.36	cps
Scandium	45-1	16173235	16704674	16444139	16440683	1.62	cps
Scandium	45-2	1445655	1403781	1415361	1421599	1.52	cps
Selenium	82-1	718	740	614	691	9.72	cps
Selenium	77-2	3	10	13	9	57.30	cps
Selenium	78-2	543	550	527	540	2.23	cps
Silicon	28-1	1367468	1377906	1346372	1363915	1.18	cps
Silver	107-1	3267	2530	2030	2609	23.85	cps
Silver	109-1	3157	2510	1817	2495	26.87	cps
Sodium	23-2	77199	74502	69901	73867	5.00	cps
Strontium	86-1	1003	1180	960	1048	11.12	cps
Strontium	88-1	5931	4844	3510	4762	25.46	cps
Sulfur	34-1	265482	271994	273046	270174	1.52	cps
Terbium	159-1	35925038	35821315	36365249	36037201	0.80	cps
Terbium	159-2	23231805	23234171	22843422	23103133	0.97	cps
Thallium	203-1	3404	2857	2274	2845	19.87	cps
Thallium	205-1	7682	6515	5378	6525	17.66	cps
Tin	118-1	7509	7389	7402	7433	0.89	cps
Titanium	47-1	3817	3470	2754	3347	16.21	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	CCB001	Instrumnet Name :	P7
Client Sample ID :	CCB001	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:09:00	DataFile Name :	019CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	4511	3210	2167	3296	35.63	cps
Vanadium	51-2	227	223	230	227	1.47	cps
Yttrium	89-1	39933034	40683404	41261451	40625963	1.64	cps
Yttrium	89-2	10298446	10302065	10339380	10313297	0.22	cps
Zinc	66-2	4337	4304	4277	4306	0.70	cps
Zirconium	90-1	6612	6298	6241	6384	3.12	cps
Zirconium	91-1	1567	1423	1367	1452	7.10	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	PB164950BL	Instrumnet Name :	P7
Client Sample ID :	PBS950	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:25:27	DataFile Name :	024CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	250	357	243	283	22.45	cps
Antimony	121-1	377	473	860	570	44.87	cps
Arsenic	75-2	10	30	17	19	53.91	cps
Barium	135-1	70	93	73	79	16.00	cps
Barium	137-1	103	130	107	113	12.82	cps
Beryllium	9-1	61	56	50	56	10.00	cps
Bismuth	209-1	20837307	20377674	20377799	20530927	1.29	cps
Bismuth	209-2	15348683	15477926	15339484	15388698	0.50	cps
Bromine	81-1	17988	17357	18041	17795	2.14	cps
Bromine	81-2	100	140	137	126	17.68	cps
Cadmium	108-1	33	37	17	29	37.08	cps
Cadmium	106-1	10717	10297	10574	10529	2.03	cps
Cadmium	111-1	7522	7236	7420	7393	1.96	cps
Calcium	43-1	653	560	543	586	10.12	cps
Calcium	44-1	27215	26834	26640	26896	1.09	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4487	4351	4521	4453	2.02	cps
Cobalt	59-2	320	210	277	269	20.61	cps
Copper	63-2	1697	1853	1503	1685	10.41	cps
Dysprosium	156-1	17	27	30	24	28.38	cps
Dysprosium	156-2	3	7	10	7	50.03	cps
Erbium	164-1	130	90	163	128	28.74	cps
Erbium	164-2	73	97	120	97	24.14	cps
Gadolinium	160-1	120	137	150	136	11.09	cps
Gadolinium	160-2	1100	1343	1190	1211	10.16	cps
Holmium	165-1	35459354	34842760	34544805	34948973	1.33	cps
Holmium	165-2	22772774	22872035	22677116	22773975	0.43	cps
Indium	115-1	30951891	30741330	30133664	30608962	1.39	cps
Indium	115-2	10448607	10381195	10185097	10338300	1.32	cps
Iron	56-2	21819	21953	21676	21816	0.64	cps
Iron	57-2	1517	1640	1673	1610	5.13	cps
Iron	54-2	3791	3711	3650	3717	1.89	cps
Krypton	83-1	357	370	320	349	7.42	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	PB164950BL	Instrumnet Name :	P7
Client Sample ID :	PBS950	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:25:27	DataFile Name :	024CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	963	937	917	939	2.49	cps
Lead	207-1	860	920	680	820	15.23	cps
Lead	208-1	3690	3667	3367	3575	5.04	cps
Lithium	6-1	3334467	3284285	3264166	3294306	1.10	cps
Magnesium	24-2	860	813	980	884	9.72	cps
Manganese	55-2	390	293	333	339	14.33	cps
Molybdenum	94-1	773	890	873	846	7.46	cps
Molybdenum	95-1	270	243	310	274	12.23	cps
Molybdenum	96-1	393	367	513	424	18.41	cps
Molybdenum	97-1	230	160	197	196	17.90	cps
Molybdenum	98-1	463	450	443	452	2.25	cps
Neodymium	150-1	7	17	7	10	57.72	cps
Neodymium	150-2	10	0	3	4	114.60	cps
Nickel	60-2	280	227	217	241	14.12	cps
Phosphorus	31-2	433	450	477	453	4.82	cps
Potassium	39-2	85290	86477	86035	85934	0.70	cps
Rhodium	103-1	29538623	29475002	28845347	29286324	1.31	cps
Rhodium	103-2	17023650	17098953	16709718	16944107	1.22	cps
Scandium	45-1	17179216	16934111	16832244	16981857	1.05	cps
Scandium	45-2	1444791	1409197	1413485	1422491	1.37	cps
Selenium	82-1	506	461	436	468	7.67	cps
Selenium	77-2	3	3	0	2	86.60	cps
Selenium	78-2	473	567	517	519	9.00	cps
Silicon	28-1	1407820	1395141	1406874	1403278	0.50	cps
Silver	107-1	370	333	317	340	8.03	cps
Silver	109-1	193	237	230	220	10.60	cps
Sodium	23-2	50212	49499	50710	50140	1.21	cps
Strontium	86-1	563	537	500	533	5.96	cps
Strontium	88-1	323	373	360	352	7.35	cps
Sulfur	34-1	318822	323185	324305	322104	0.90	cps
Terbium	159-1	36785848	35194765	35376844	35785819	2.43	cps
Terbium	159-2	22874460	22561636	22546632	22660909	0.82	cps
Thallium	203-1	707	717	703	709	0.98	cps
Thallium	205-1	1763	1767	1487	1672	9.61	cps
Tin	118-1	3814	3771	3941	3842	2.30	cps
Titanium	47-1	390	273	260	308	23.24	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	PB164950BL	Instrumnet Name :	P7
Client Sample ID :	PBS950	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:25:27	DataFile Name :	024CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	60	30	30	40	43.30	cps
Vanadium	51-2	17	10	33	20	60.08	cps
Yttrium	89-1	41493839	40888938	40931516	41104764	0.82	cps
Yttrium	89-2	10274026	10240574	10077228	10197276	1.03	cps
Zinc	66-2	647	643	620	637	2.28	cps
Zirconium	90-1	1953	2053	2007	2005	2.50	cps
Zirconium	91-1	400	383	443	409	7.57	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	PB164950BS	Instrumnet Name :	P7
Client Sample ID :	LCS950	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:28:43	DataFile Name :	025LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	22557	22941	22537	22678	1.00	cps
Antimony	121-1	106924	110121	110205	109083	1.71	cps
Arsenic	75-2	3040	3174	3037	3084	2.53	cps
Barium	135-1	125077	127427	128134	126879	1.26	cps
Barium	137-1	217309	223488	223329	221375	1.59	cps
Beryllium	9-1	5118	5434	5496	5349	3.79	cps
Bismuth	209-1	19527004	20363314	20095172	19995163	2.14	cps
Bismuth	209-2	15296008	15331284	15469039	15365444	0.60	cps
Bromine	81-1	17537	17777	17774	17696	0.78	cps
Bromine	81-2	97	77	117	97	20.69	cps
Cadmium	108-1	993	990	1020	1001	1.64	cps
Cadmium	106-1	11521	11815	11218	11518	2.59	cps
Cadmium	111-1	21450	21481	21119	21350	0.94	cps
Calcium	43-1	70690	71364	71846	71300	0.81	cps
Calcium	44-1	1147026	1178887	1171932	1165948	1.44	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	50354	49872	50558	50261	0.70	cps
Cobalt	59-2	37026	36608	37453	37029	1.14	cps
Copper	63-2	58049	58561	57691	58100	0.75	cps
Dysprosium	156-1	27	30	57	38	43.52	cps
Dysprosium	156-2	20	13	13	16	24.76	cps
Erbium	164-1	93	133	150	126	23.20	cps
Erbium	164-2	97	120	107	108	10.86	cps
Gadolinium	160-1	140	130	140	137	4.22	cps
Gadolinium	160-2	1173	1147	1237	1186	3.90	cps
Holmium	165-1	33320902	34925074	34533349	34259775	2.44	cps
Holmium	165-2	22498171	22906082	22730092	22711449	0.90	cps
Indium	115-1	29047713	29980113	29827512	29618446	1.69	cps
Indium	115-2	10276697	10237097	10288824	10267539	0.26	cps
Iron	56-2	4275257	4282709	4276975	4278314	0.09	cps
Iron	57-2	106803	107971	108481	107752	0.80	cps
Iron	54-2	240080	235372	238486	237979	1.01	cps
Krypton	83-1	370	260	270	300	20.28	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	PB164950BS	Instrumnet Name :	P7
Client Sample ID :	LCS950	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:28:43	DataFile Name :	025LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	37843	38725	38020	38196	1.22	cps
Lead	207-1	33364	34450	34320	34045	1.74	cps
Lead	208-1	151141	154571	154345	153352	1.25	cps
Lithium	6-1	3198226	3331340	3335625	3288397	2.38	cps
Magnesium	24-2	957966	961530	954363	957953	0.37	cps
Manganese	55-2	17337	17834	18455	17875	3.13	cps
Molybdenum	94-1	112417	114439	114852	113903	1.14	cps
Molybdenum	95-1	135091	138427	139491	137670	1.67	cps
Molybdenum	96-1	150472	154975	154123	153190	1.56	cps
Molybdenum	97-1	86226	86286	86802	86438	0.37	cps
Molybdenum	98-1	222084	222987	223645	222905	0.35	cps
Neodymium	150-1	13	10	27	17	52.93	cps
Neodymium	150-2	7	3	7	6	34.70	cps
Nickel	60-2	9516	10204	9800	9840	3.51	cps
Phosphorus	31-2	493	523	473	497	5.07	cps
Potassium	39-2	1289837	1287436	1302409	1293227	0.62	cps
Rhodium	103-1	27994293	29017641	28995621	28669185	2.04	cps
Rhodium	103-2	16885343	16753229	16619115	16752562	0.79	cps
Scandium	45-1	15925341	16521049	16624037	16356809	2.31	cps
Scandium	45-2	1438473	1399288	1421288	1419683	1.38	cps
Selenium	82-1	4974	5308	5194	5159	3.29	cps
Selenium	77-2	463	490	420	458	7.72	cps
Selenium	78-2	2047	2074	2087	2069	0.98	cps
Silicon	28-1	1615772	1643905	1626107	1628595	0.87	cps
Silver	107-1	69358	71780	73156	71431	2.69	cps
Silver	109-1	66431	69174	68665	68090	2.14	cps
Sodium	23-2	1656164	1649840	1654667	1653557	0.20	cps
Strontium	86-1	17641	18502	18031	18058	2.39	cps
Strontium	88-1	149410	152572	152794	151592	1.25	cps
Sulfur	34-1	330396	333497	331073	331655	0.49	cps
Terbium	159-1	34209703	36259324	36033063	35500696	3.17	cps
Terbium	159-2	22717654	22416471	22772258	22635461	0.85	cps
Thallium	203-1	47352	47897	47151	47467	0.81	cps
Thallium	205-1	111432	113038	114207	112892	1.23	cps
Tin	118-1	4547	4164	4314	4342	4.45	cps
Titanium	47-1	34142	33510	33691	33781	0.96	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	PB164950BS	Instrumnet Name :	P7
Client Sample ID :	LCS950	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:28:43	DataFile Name :	025LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	131771	134354	134069	133398	1.06	cps
Vanadium	51-2	96056	94530	95087	95224	0.81	cps
Yttrium	89-1	38974444	40000463	40283105	39752671	1.73	cps
Yttrium	89-2	10136045	10107370	9847386	10030267	1.59	cps
Zinc	66-2	22928	23555	23165	23216	1.37	cps
Zirconium	90-1	95699	96625	96950	96425	0.67	cps
Zirconium	91-1	21062	21416	21296	21258	0.85	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	PB164951BL	Instrumnet Name :	P7
Client Sample ID :	PBS951	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:31:54	DataFile Name :	026CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	350	337	313	333	5.57	cps
Antimony	121-1	187	300	417	301	38.19	cps
Arsenic	75-2	10	13	17	13	25.01	cps
Barium	135-1	110	67	93	90	24.28	cps
Barium	137-1	147	110	137	131	14.46	cps
Beryllium	9-1	33	50	67	50	33.34	cps
Bismuth	209-1	20071946	20131801	19900809	20034852	0.60	cps
Bismuth	209-2	15073861	15335676	14600700	15003412	2.48	cps
Bromine	81-1	17420	17581	17364	17455	0.64	cps
Bromine	81-2	93	103	57	84	29.10	cps
Cadmium	108-1	23	13	20	19	26.96	cps
Cadmium	106-1	10664	9947	10130	10247	3.64	cps
Cadmium	111-1	7492	6990	7104	7195	3.66	cps
Calcium	43-1	667	570	540	592	11.18	cps
Calcium	44-1	27428	26674	27415	27172	1.59	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4431	4331	4387	4383	1.14	cps
Cobalt	59-2	270	253	190	238	17.75	cps
Copper	63-2	1733	1563	1557	1618	6.19	cps
Dysprosium	156-1	13	20	13	16	24.76	cps
Dysprosium	156-2	7	3	13	8	65.47	cps
Erbium	164-1	100	157	123	127	22.48	cps
Erbium	164-2	107	90	73	90	18.52	cps
Gadolinium	160-1	100	147	147	131	20.55	cps
Gadolinium	160-2	1103	1207	1170	1160	4.52	cps
Holmium	165-1	34520024	34385054	33457795	34120958	1.69	cps
Holmium	165-2	22308437	22771096	21692875	22257469	2.43	cps
Indium	115-1	29809299	29663124	29526543	29666322	0.48	cps
Indium	115-2	10121223	10334491	9692718	10049477	3.25	cps
Iron	56-2	21853	21712	21419	21661	1.02	cps
Iron	57-2	1547	1613	1647	1602	3.18	cps
Iron	54-2	3590	3557	3587	3578	0.51	cps
Krypton	83-1	303	330	327	320	4.54	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	PB164951BL	Instrumnet Name :	P7
Client Sample ID :	PBS951	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:31:54	DataFile Name :	026CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	813	747	693	751	8.00	cps
Lead	207-1	733	717	780	743	4.42	cps
Lead	208-1	3237	3170	2977	3128	4.32	cps
Lithium	6-1	3270313	3329056	3248485	3282618	1.27	cps
Magnesium	24-2	830	947	770	849	10.58	cps
Manganese	55-2	283	300	283	289	3.33	cps
Molybdenum	94-1	793	750	837	793	5.46	cps
Molybdenum	95-1	150	160	167	159	5.28	cps
Molybdenum	96-1	313	370	327	337	8.80	cps
Molybdenum	97-1	123	123	140	129	7.46	cps
Molybdenum	98-1	197	273	280	250	18.52	cps
Neodymium	150-1	13	7	30	17	72.11	cps
Neodymium	150-2	0	10	10	7	86.60	cps
Nickel	60-2	183	200	253	212	17.23	cps
Phosphorus	31-2	470	440	527	479	9.19	cps
Potassium	39-2	85310	85723	84251	85095	0.89	cps
Rhodium	103-1	28678125	28729042	28170796	28525988	1.08	cps
Rhodium	103-2	16671592	16827830	15920841	16473421	2.94	cps
Scandium	45-1	16447068	16489909	16391391	16442789	0.30	cps
Scandium	45-2	1396692	1426501	1357170	1393454	2.50	cps
Selenium	82-1	537	470	408	472	13.73	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	470	520	523	504	5.92	cps
Silicon	28-1	1389340	1371548	1390709	1383865	0.77	cps
Silver	107-1	453	377	347	392	14.02	cps
Silver	109-1	300	307	243	283	12.28	cps
Sodium	23-2	49426	48717	48914	49019	0.75	cps
Strontium	86-1	467	550	503	507	8.24	cps
Strontium	88-1	383	357	353	364	4.51	cps
Sulfur	34-1	321745	325969	323651	323789	0.65	cps
Terbium	159-1	35610184	35469378	35309229	35462930	0.42	cps
Terbium	159-2	22345381	22439453	21253724	22012852	2.99	cps
Thallium	203-1	573	540	567	560	3.15	cps
Thallium	205-1	1207	1230	1190	1209	1.66	cps
Tin	118-1	3530	3561	3591	3560	0.84	cps
Titanium	47-1	260	277	327	288	12.05	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	PB164951BL	Instrumnet Name :	P7
Client Sample ID :	PBS951	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:31:54	DataFile Name :	026CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	43	43	33	40	14.43	cps
Vanadium	51-2	43	30	7	27	69.58	cps
Yttrium	89-1	39885992	40543828	39839888	40089902	0.98	cps
Yttrium	89-2	9974672	10168226	9587418	9910105	2.98	cps
Zinc	66-2	583	663	683	643	8.23	cps
Zirconium	90-1	1813	1923	1930	1889	3.47	cps
Zirconium	91-1	363	360	400	374	5.93	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	PB164951BS	Instrumnet Name :	P7
Client Sample ID :	LCS951	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:35:11	DataFile Name :	027LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	22507	22887	22323	22572	1.27	cps
Antimony	121-1	110521	109926	111085	110511	0.52	cps
Arsenic	75-2	3020	3087	3014	3040	1.33	cps
Barium	135-1	129832	129483	129610	129642	0.14	cps
Barium	137-1	222084	223811	227170	224355	1.15	cps
Beryllium	9-1	5284	5079	5440	5268	3.44	cps
Bismuth	209-1	19832005	20262105	19972839	20022316	1.10	cps
Bismuth	209-2	15135735	14889779	15131719	15052411	0.94	cps
Bromine	81-1	16576	16997	16039	16537	2.90	cps
Bromine	81-2	97	93	103	98	5.21	cps
Cadmium	108-1	1143	1060	1073	1092	4.10	cps
Cadmium	106-1	12115	11628	11648	11797	2.34	cps
Cadmium	111-1	21894	21428	21322	21548	1.41	cps
Calcium	43-1	74317	71973	72418	72903	1.71	cps
Calcium	44-1	1179671	1170949	1173901	1174840	0.38	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	50949	49337	51013	50433	1.88	cps
Cobalt	59-2	37209	36855	37681	37248	1.11	cps
Copper	63-2	58936	57366	57456	57919	1.52	cps
Dysprosium	156-1	27	33	40	33	20.00	cps
Dysprosium	156-2	10	27	20	19	44.42	cps
Erbium	164-1	220	137	113	157	35.79	cps
Erbium	164-2	63	67	83	71	15.07	cps
Gadolinium	160-1	130	133	177	147	17.75	cps
Gadolinium	160-2	980	1113	1090	1061	6.71	cps
Holmium	165-1	33693129	34162229	34035080	33963479	0.71	cps
Holmium	165-2	22326585	22059780	22092091	22159485	0.66	cps
Indium	115-1	29481843	29032864	29659406	29391371	1.10	cps
Indium	115-2	10017837	9892956	10040596	9983797	0.80	cps
Iron	56-2	4286359	4298503	4321167	4302010	0.41	cps
Iron	57-2	107504	108444	108380	108109	0.49	cps
Iron	54-2	239661	238681	238250	238864	0.30	cps
Krypton	83-1	317	323	297	312	4.45	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	PB164951BS	Instrumnet Name :	P7
Client Sample ID :	LCS951	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:35:11	DataFile Name :	027LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	39588	40173	38722	39494	1.85	cps
Lead	207-1	34571	35353	34457	34793	1.40	cps
Lead	208-1	157052	159288	157603	157981	0.74	cps
Lithium	6-1	3250455	3230585	3198075	3226371	0.82	cps
Magnesium	24-2	969457	963318	964817	965864	0.33	cps
Manganese	55-2	17567	17283	17477	17442	0.83	cps
Molybdenum	94-1	114805	115554	116489	115616	0.73	cps
Molybdenum	95-1	139207	139991	140375	139858	0.43	cps
Molybdenum	96-1	155483	158360	156086	156643	0.97	cps
Molybdenum	97-1	87148	86212	87067	86809	0.60	cps
Molybdenum	98-1	223941	226500	226856	225766	0.70	cps
Neodymium	150-1	20	27	13	20	33.35	cps
Neodymium	150-2	3	7	3	4	43.40	cps
Nickel	60-2	9960	9553	9493	9669	2.63	cps
Phosphorus	31-2	540	487	557	528	6.93	cps
Potassium	39-2	1304866	1290001	1318032	1304300	1.08	cps
Rhodium	103-1	28493380	28408057	28210007	28370481	0.51	cps
Rhodium	103-2	16373327	16303937	16414031	16363765	0.34	cps
Scandium	45-1	16347471	16346924	16312492	16335629	0.12	cps
Scandium	45-2	1394105	1380103	1391166	1388458	0.53	cps
Selenium	82-1	5039	4991	5008	5013	0.48	cps
Selenium	77-2	467	403	503	458	11.05	cps
Selenium	78-2	2130	2027	2013	2057	3.11	cps
Silicon	28-1	1650808	1643805	1638995	1644536	0.36	cps
Silver	107-1	72202	73337	72259	72599	0.88	cps
Silver	109-1	68823	70661	69566	69683	1.33	cps
Sodium	23-2	1661354	1639070	1666848	1655757	0.89	cps
Strontium	86-1	18375	18111	18445	18310	0.96	cps
Strontium	88-1	154694	154889	153782	154455	0.38	cps
Sulfur	34-1	327947	328305	324836	327029	0.58	cps
Terbium	159-1	34868309	34876004	34927379	34890564	0.09	cps
Terbium	159-2	22211388	21951158	21918392	22026979	0.73	cps
Thallium	203-1	48101	49048	48369	48506	1.01	cps
Thallium	205-1	114158	115673	115381	115070	0.70	cps
Tin	118-1	3931	4087	4021	4013	1.96	cps
Titanium	47-1	33861	34239	34700	34267	1.23	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	PB164951BS	Instrumnet Name :	P7
Client Sample ID :	LCS951	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:35:11	DataFile Name :	027LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	135559	135830	136214	135867	0.24	cps
Vanadium	51-2	97173	96026	95791	96330	0.77	cps
Yttrium	89-1	39861488	39557111	39426993	39615197	0.56	cps
Yttrium	89-2	9959625	9883984	9830008	9891206	0.66	cps
Zinc	66-2	22891	23485	23529	23302	1.53	cps
Zirconium	90-1	98836	98088	97729	98218	0.58	cps
Zirconium	91-1	21589	22057	21910	21852	1.09	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-01	Instrumnet Name :	P7
Client Sample ID :	MH2GN9	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:38:23	DataFile Name :	028SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8079437	8105556	8007057	8064017	0.63	cps
Antimony	121-1	22761	22972	23753	23162	2.26	cps
Arsenic	75-2	24290	24574	24173	24346	0.85	cps
Barium	135-1	4983999	4853550	4837944	4891831	1.64	cps
Barium	137-1	8470359	8278058	8330679	8359699	1.19	cps
Beryllium	9-1	5140	5384	5318	5281	2.39	cps
Bismuth	209-1	20224623	20251387	20180834	20218948	0.18	cps
Bismuth	209-2	14987886	15022268	14996752	15002302	0.12	cps
Bromine	81-1	29703	30064	30428	30065	1.21	cps
Bromine	81-2	3187	3237	3207	3210	0.78	cps
Cadmium	108-1	3590	3644	3607	3614	0.76	cps
Cadmium	106-1	15835	16279	16099	16071	1.39	cps
Cadmium	111-1	58979	59764	58854	59199	0.83	cps
Calcium	43-1	10684882	10568808	10691190	10648293	0.65	cps
Calcium	44-1	173225224	170001291	171845177	171690564	0.94	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	229396	229598	228486	229160	0.26	cps
Cobalt	59-2	216884	214478	215688	215683	0.56	cps
Copper	63-2	1351091	1342643	1349193	1347642	0.33	cps
Dysprosium	156-1	241391	240930	241740	241354	0.17	cps
Dysprosium	156-2	189636	190369	190106	190037	0.20	cps
Erbium	164-1	220946	224560	223168	222891	0.82	cps
Erbium	164-2	147624	147025	144428	146359	1.16	cps
Gadolinium	160-1	237077	236084	239839	237667	0.82	cps
Gadolinium	160-2	163145	164666	163745	163852	0.47	cps
Holmium	165-1	34876236	34823980	34849166	34849794	0.07	cps
Holmium	165-2	23022785	22812215	22720826	22851942	0.68	cps
Indium	115-1	29497493	29712093	29382918	29530834	0.57	cps
Indium	115-2	10056945	9918265	10024711	9999973	0.73	cps
Iron	56-2	137482425	136311918	135759268	136517870	0.64	cps
Iron	57-2	3522450	3635584	3563300	3573778	1.60	cps
Iron	54-2	7477159	7463832	7407255	7449415	0.50	cps
Krypton	83-1	640	637	593	623	4.18	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-01	Instrumnet Name :	P7
Client Sample ID :	MH2GN9	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:38:23	DataFile Name :	028SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	11928058	12055710	12037077	12006948	0.57	cps
Lead	207-1	10162033	10246845	10284078	10230985	0.61	cps
Lead	208-1	46677821	47165770	46963678	46935756	0.52	cps
Lithium	6-1	3349435	3234979	3281417	3288610	1.75	cps
Magnesium	24-2	7950995	7983462	7955016	7963158	0.22	cps
Manganese	55-2	8776465	8566968	8577322	8640252	1.37	cps
Molybdenum	94-1	67411	67019	67883	67438	0.64	cps
Molybdenum	95-1	12669	13036	12199	12634	3.32	cps
Molybdenum	96-1	25315	23940	24330	24528	2.89	cps
Molybdenum	97-1	7772	7302	7675	7583	3.27	cps
Molybdenum	98-1	19874	19984	19857	19905	0.35	cps
Neodymium	150-1	395672	397182	398215	397023	0.32	cps
Neodymium	150-2	222025	224353	224055	223478	0.57	cps
Nickel	60-2	266367	263094	263978	264479	0.64	cps
Phosphorus	31-2	114683	113931	112429	113681	1.01	cps
Potassium	39-2	7489647	7479686	7543311	7504215	0.46	cps
Rhodium	103-1	27047616	27368796	27505015	27307142	0.86	cps
Rhodium	103-2	16114503	16022164	15992618	16043095	0.40	cps
Scandium	45-1	16821396	16851232	16698381	16790337	0.48	cps
Scandium	45-2	1388260	1363736	1387408	1379801	1.01	cps
Selenium	82-1	1272	1254	1231	1253	1.64	cps
Selenium	77-2	707	797	810	771	7.29	cps
Selenium	78-2	1163	1200	1173	1179	1.61	cps
Silicon	28-1	88920259	89226252	89242945	89129819	0.20	cps
Silver	107-1	47400	47872	48293	47855	0.93	cps
Silver	109-1	46438	46050	46233	46240	0.42	cps
Sodium	23-2	1149172	1144110	1141335	1144872	0.35	cps
Strontium	86-1	4803638	4733838	4763395	4766957	0.73	cps
Strontium	88-1	41743853	41663296	41511595	41639581	0.28	cps
Sulfur	34-1	400585	401029	395628	399080	0.75	cps
Terbium	159-1	35522964	35904367	35388147	35605159	0.75	cps
Terbium	159-2	22775450	22515914	22289425	22526929	1.08	cps
Thallium	203-1	9640	9974	10147	9920	2.60	cps
Thallium	205-1	23734	24085	24011	23943	0.77	cps
Tin	118-1	38277	38050	37495	37941	1.06	cps
Titanium	47-1	594916	589879	585768	590188	0.78	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-01	Instrumnet Name :	P7
Client Sample ID :	MH2GN9	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:38:23	DataFile Name :	028SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	252640	254105	252541	253095	0.35	cps
Vanadium	51-2	453577	452792	453450	453273	0.09	cps
Yttrium	89-1	43595019	43602613	43437148	43544927	0.21	cps
Yttrium	89-2	10861192	10767275	10727939	10785468	0.63	cps
Zinc	66-2	1414272	1414105	1423154	1417177	0.37	cps
Zirconium	90-1	166451	167368	166971	166930	0.28	cps
Zirconium	91-1	37214	36338	36903	36818	1.21	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-02	Instrumnet Name :	P7
Client Sample ID :	MH2GN9D	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:41:25	DataFile Name :	029SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8108225	8104576	8059446	8090749	0.34	cps
Antimony	121-1	23289	24535	23432	23752	2.87	cps
Arsenic	75-2	25749	25205	24664	25206	2.15	cps
Barium	135-1	4849792	4885426	4919991	4885069	0.72	cps
Barium	137-1	8249794	8437729	8437360	8374961	1.29	cps
Beryllium	9-1	5190	5162	5329	5227	1.71	cps
Bismuth	209-1	20700406	20375426	20548541	20541457	0.79	cps
Bismuth	209-2	15116567	15112634	15135319	15121506	0.08	cps
Bromine	81-1	30074	31757	30512	30781	2.84	cps
Bromine	81-2	3374	3514	3597	3495	3.23	cps
Cadmium	108-1	3327	3580	3620	3509	4.53	cps
Cadmium	106-1	16122	16056	16473	16217	1.38	cps
Cadmium	111-1	59398	60030	61026	60151	1.36	cps
Calcium	43-1	10537023	10832416	10843223	10737554	1.62	cps
Calcium	44-1	170858344	173393597	174603124	172951689	1.10	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	233645	232684	229900	232076	0.84	cps
Cobalt	59-2	219123	218112	218992	218742	0.25	cps
Copper	63-2	1365575	1367626	1363722	1365641	0.14	cps
Dysprosium	156-1	241956	248596	246213	245588	1.37	cps
Dysprosium	156-2	193495	194660	195670	194608	0.56	cps
Erbium	164-1	220943	228823	227263	225676	1.85	cps
Erbium	164-2	149140	149241	147664	148681	0.59	cps
Gadolinium	160-1	236467	243654	244607	241576	1.84	cps
Gadolinium	160-2	168985	166246	168938	168056	0.93	cps
Holmium	165-1	35429941	34824419	35433312	35229224	1.00	cps
Holmium	165-2	22819630	22931359	23165720	22972236	0.77	cps
Indium	115-1	29749579	29178150	29883315	29603681	1.27	cps
Indium	115-2	10133468	10093779	10226812	10151353	0.67	cps
Iron	56-2	138145438	137714988	137998651	137953026	0.16	cps
Iron	57-2	3667540	3612874	3566014	3615476	1.41	cps
Iron	54-2	7608660	7448863	7515541	7524355	1.07	cps
Krypton	83-1	540	630	633	601	8.81	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-02	Instrumnet Name :	P7
Client Sample ID :	MH2GN9D	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:41:25	DataFile Name :	029SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	12143799	12314629	12182674	12213701	0.73	cps
Lead	207-1	10252575	10507055	10439662	10399764	1.27	cps
Lead	208-1	47512075	48335508	47683996	47843860	0.91	cps
Lithium	6-1	3392053	3283982	3323883	3333306	1.64	cps
Magnesium	24-2	7893673	8064963	8003190	7987275	1.09	cps
Manganese	55-2	8967745	8895143	8863600	8908829	0.60	cps
Molybdenum	94-1	65961	67204	68064	67076	1.58	cps
Molybdenum	95-1	12606	12963	12886	12818	1.47	cps
Molybdenum	96-1	24070	24497	24661	24409	1.25	cps
Molybdenum	97-1	7679	7896	7999	7858	2.08	cps
Molybdenum	98-1	20057	20254	20561	20291	1.25	cps
Neodymium	150-1	394051	402118	407703	401291	1.71	cps
Neodymium	150-2	228513	227328	228608	228150	0.31	cps
Nickel	60-2	273062	269675	272152	271629	0.65	cps
Phosphorus	31-2	115065	115965	114659	115230	0.58	cps
Potassium	39-2	7726533	7562517	7561262	7616771	1.25	cps
Rhodium	103-1	27998380	27395218	27146220	27513273	1.59	cps
Rhodium	103-2	16261302	16027287	16110784	16133124	0.74	cps
Scandium	45-1	16879218	16543989	16560596	16661268	1.13	cps
Scandium	45-2	1391061	1393564	1410836	1398487	0.77	cps
Selenium	82-1	1507	1289	1369	1388	7.96	cps
Selenium	77-2	777	647	773	732	10.12	cps
Selenium	78-2	1237	1293	1197	1242	3.91	cps
Silicon	28-1	86710769	89099509	88531059	88113779	1.42	cps
Silver	107-1	48604	48895	49635	49045	1.08	cps
Silver	109-1	45511	47682	47069	46754	2.39	cps
Sodium	23-2	1168835	1158252	1136153	1154413	1.44	cps
Strontium	86-1	4736421	4854635	4825446	4805501	1.28	cps
Strontium	88-1	41026667	42207259	41831212	41688379	1.45	cps
Sulfur	34-1	391976	395331	396818	394708	0.63	cps
Terbium	159-1	36544961	35583069	36109052	36079028	1.33	cps
Terbium	159-2	23020658	22885689	22778716	22895021	0.53	cps
Thallium	203-1	9737	10638	9790	10055	5.03	cps
Thallium	205-1	23657	24058	23924	23880	0.85	cps
Tin	118-1	37422	39330	38455	38402	2.49	cps
Titanium	47-1	580110	586834	585197	584047	0.60	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-02	Instrumnet Name :	P7
Client Sample ID :	MH2GN9D	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:41:25	DataFile Name :	029SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	251239	260306	260301	257282	2.03	cps
Vanadium	51-2	463583	460023	457027	460211	0.71	cps
Yttrium	89-1	43688594	43446149	43739326	43624690	0.36	cps
Yttrium	89-2	11002252	11022434	10868576	10964421	0.76	cps
Zinc	66-2	1436211	1421301	1440069	1432527	0.69	cps
Zirconium	90-1	162127	167230	168700	166019	2.08	cps
Zirconium	91-1	35971	36940	37608	36839	2.23	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-01LX5	Instrumnet Name :	P7
Client Sample ID :	MH2GN9L	Dilution Factor :	5
Date & Time Acquired :	2024-11-18 06:44:24	DataFile Name :	030SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1756675	1803227	1771103	1777002	1.34	cps
Antimony	121-1	5398	5151	5371	5307	2.55	cps
Arsenic	75-2	5254	5378	5398	5343	1.45	cps
Barium	135-1	1030011	1039064	1028043	1032373	0.57	cps
Barium	137-1	1820657	1811267	1820605	1817510	0.30	cps
Beryllium	9-1	1211	1189	1356	1252	7.23	cps
Bismuth	209-1	18660248	21008818	20723091	20130719	6.37	cps
Bismuth	209-2	15468019	15582277	15219628	15423308	1.20	cps
Bromine	81-1	19967	20364	20017	20116	1.08	cps
Bromine	81-2	907	800	737	814	10.55	cps
Cadmium	108-1	767	790	787	781	1.62	cps
Cadmium	106-1	10677	11782	11058	11172	5.02	cps
Cadmium	111-1	17785	18922	18194	18300	3.15	cps
Calcium	43-1	2315312	2265346	2300480	2293712	1.12	cps
Calcium	44-1	37216458	36790754	36937263	36981491	0.58	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	54642	54337	54876	54618	0.49	cps
Cobalt	59-2	48786	48294	47993	48358	0.83	cps
Copper	63-2	307857	305741	307861	307153	0.40	cps
Dysprosium	156-1	52805	54472	52799	53359	1.81	cps
Dysprosium	156-2	42063	41585	42591	42080	1.20	cps
Erbium	164-1	49450	48721	47537	48570	1.99	cps
Erbium	164-2	31519	32428	32194	32047	1.47	cps
Gadolinium	160-1	51722	52996	52384	52367	1.22	cps
Gadolinium	160-2	37403	37687	37387	37492	0.45	cps
Holmium	165-1	31930430	35039376	34717709	33895839	5.04	cps
Holmium	165-2	22885855	23055268	22662742	22867955	0.86	cps
Indium	115-1	27117139	30071457	29837011	29008536	5.66	cps
Indium	115-2	10222051	10234119	10062298	10172823	0.94	cps
Iron	56-2	30488576	30130219	30167297	30262031	0.65	cps
Iron	57-2	786830	787070	780421	784774	0.48	cps
Iron	54-2	1659989	1660907	1672688	1664528	0.43	cps
Krypton	83-1	420	413	410	414	1.23	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-01LX5	Instrumnet Name :	P7
Client Sample ID :	MH2GN9L	Dilution Factor :	5
Date & Time Acquired :	2024-11-18 06:44:24	DataFile Name :	030SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2667400	2679536	2646302	2664413	0.63	cps
Lead	207-1	2291937	2309151	2265933	2289007	0.95	cps
Lead	208-1	10439503	10541422	10417196	10466040	0.63	cps
Lithium	6-1	3057765	3285724	3278397	3207296	4.04	cps
Magnesium	24-2	1750027	1778278	1751719	1760008	0.90	cps
Manganese	55-2	1952172	1929050	1962638	1947953	0.88	cps
Molybdenum	94-1	14891	15398	14924	15071	1.88	cps
Molybdenum	95-1	2890	2770	2887	2849	2.40	cps
Molybdenum	96-1	5701	5581	5801	5694	1.94	cps
Molybdenum	97-1	1820	1847	1743	1803	2.97	cps
Molybdenum	98-1	4531	4724	4828	4694	3.21	cps
Neodymium	150-1	87959	86708	86969	87212	0.76	cps
Neodymium	150-2	49473	50400	48516	49463	1.90	cps
Nickel	60-2	60123	59842	59170	59712	0.82	cps
Phosphorus	31-2	25451	25017	25732	25400	1.42	cps
Potassium	39-2	1690459	1728155	1693255	1703956	1.23	cps
Rhodium	103-1	25548010	28600331	28001926	27383423	5.91	cps
Rhodium	103-2	16659118	16577059	16484509	16573562	0.53	cps
Scandium	45-1	14896279	16427883	16328314	15884159	5.40	cps
Scandium	45-2	1382208	1386390	1378971	1382523	0.27	cps
Selenium	82-1	690	668	669	676	1.82	cps
Selenium	77-2	173	147	180	167	10.58	cps
Selenium	78-2	647	667	730	681	6.39	cps
Silicon	28-1	20024050	20454141	20553291	20343827	1.38	cps
Silver	107-1	10681	11081	10971	10911	1.90	cps
Silver	109-1	10387	10457	10534	10459	0.70	cps
Sodium	23-2	269929	270631	269298	269953	0.25	cps
Strontium	86-1	991944	1009373	999861	1000392	0.87	cps
Strontium	88-1	9062224	9046153	8935288	9014555	0.77	cps
Sulfur	34-1	316737	320189	319662	318863	0.58	cps
Terbium	159-1	32819773	35985199	35772569	34859180	5.08	cps
Terbium	159-2	22845300	22721578	22709073	22758650	0.33	cps
Thallium	203-1	2440	2480	2497	2472	1.18	cps
Thallium	205-1	5928	5795	6025	5916	1.95	cps
Tin	118-1	12365	12740	12486	12530	1.53	cps
Titanium	47-1	126748	128745	127417	127637	0.80	cps

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On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-01LX5	Instrumnet Name :	P7
Client Sample ID :	MH2GN9L	Dilution Factor :	5
Date & Time Acquired :	2024-11-18 06:44:24	DataFile Name :	030SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	54384	55609	55930	55308	1.47	cps
Vanadium	51-2	99656	99179	100082	99639	0.45	cps
Yttrium	89-1	37306608	41008693	40255231	39523511	4.95	cps
Yttrium	89-2	10300516	10301185	9985953	10195885	1.78	cps
Zinc	66-2	326033	323756	322411	324067	0.57	cps
Zirconium	90-1	36174	37267	38037	37159	2.52	cps
Zirconium	91-1	8076	8396	8132	8201	2.08	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-03	Instrumnet Name :	P7
Client Sample ID :	MH2GN9S	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:47:29	DataFile Name :	031SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8204300	8055564	8146478	8135448	0.92	cps
Antimony	121-1	544612	551105	550391	548703	0.65	cps
Arsenic	75-2	35837	35536	36261	35878	1.02	cps
Barium	135-1	7424004	7442797	7377720	7414840	0.45	cps
Barium	137-1	12657477	12917269	12795333	12790027	1.02	cps
Beryllium	9-1	29551	30358	29662	29857	1.47	cps
Bismuth	209-1	21439836	20799055	20498051	20912314	2.30	cps
Bismuth	209-2	15258089	15154279	15216922	15209763	0.34	cps
Bromine	81-1	30795	32676	33141	32204	3.86	cps
Bromine	81-2	3384	3490	3477	3450	1.68	cps
Cadmium	108-1	8326	8232	8116	8225	1.28	cps
Cadmium	106-1	22808	22341	22267	22472	1.31	cps
Cadmium	111-1	128453	129767	131780	130000	1.29	cps
Calcium	43-1	10662715	10727473	10702861	10697683	0.31	cps
Calcium	44-1	170873197	173945744	173187717	172668886	0.93	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	651449	651055	651277	651261	0.03	cps
Cobalt	59-2	1947322	1972095	1977347	1965588	0.82	cps
Copper	63-2	2054070	2016902	2048715	2039896	0.98	cps
Dysprosium	156-1	244979	246704	249571	247085	0.94	cps
Dysprosium	156-2	197429	195563	193909	195634	0.90	cps
Erbium	164-1	225063	227307	228322	226897	0.73	cps
Erbium	164-2	154321	150609	148833	151254	1.85	cps
Gadolinium	160-1	237437	247230	241328	241999	2.04	cps
Gadolinium	160-2	167312	166632	166506	166817	0.26	cps
Holmium	165-1	37057059	35862479	35540486	36153342	2.21	cps
Holmium	165-2	23824289	22977854	23277830	23359991	1.84	cps
Indium	115-1	31055928	30277885	29467639	30267151	2.62	cps
Indium	115-2	10272663	10119651	10249914	10214076	0.81	cps
Iron	56-2	134663035	135142945	137097988	135634656	0.95	cps
Iron	57-2	3457940	3501948	3558040	3505976	1.43	cps
Iron	54-2	7454811	7337549	7301859	7364740	1.09	cps
Krypton	83-1	613	720	663	666	8.02	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-03	Instrumnet Name :	P7
Client Sample ID :	MH2GN9S	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:47:29	DataFile Name :	031SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	12196272	12120132	12244693	12187032	0.52	cps
Lead	207-1	10375376	10359718	10349267	10361454	0.13	cps
Lead	208-1	47738986	47568207	47635400	47647531	0.18	cps
Lithium	6-1	3383752	3271699	3310886	3322112	1.71	cps
Magnesium	24-2	7879579	7677110	7806603	7787764	1.32	cps
Manganese	55-2	9612981	9477124	9611248	9567118	0.81	cps
Molybdenum	94-1	68406	67936	68087	68143	0.35	cps
Molybdenum	95-1	12769	13063	12809	12880	1.24	cps
Molybdenum	96-1	24941	24965	25095	25000	0.33	cps
Molybdenum	97-1	8186	7889	7739	7938	2.87	cps
Molybdenum	98-1	20257	20792	20892	20647	1.65	cps
Neodymium	150-1	397544	407940	403052	402845	1.29	cps
Neodymium	150-2	229360	230908	225760	228676	1.15	cps
Nickel	60-2	718284	716949	700032	711755	1.43	cps
Phosphorus	31-2	112513	115666	114047	114076	1.38	cps
Potassium	39-2	7733713	7649883	7465663	7616420	1.80	cps
Rhodium	103-1	29023869	27908375	27911481	28281242	2.27	cps
Rhodium	103-2	16517775	16263864	16387872	16389837	0.77	cps
Scandium	45-1	17344679	16865344	16606464	16938829	2.21	cps
Scandium	45-2	1499235	1438365	1411030	1449543	3.11	cps
Selenium	82-1	9829	9817	9797	9814	0.16	cps
Selenium	77-2	1633	1517	1613	1588	3.93	cps
Selenium	78-2	4114	3877	4017	4003	2.97	cps
Silicon	28-1	83996339	85587680	84631835	84738618	0.95	cps
Silver	107-1	383840	391920	395295	390352	1.51	cps
Silver	109-1	367469	371812	373867	371049	0.88	cps
Sodium	23-2	1128103	1137574	1154710	1140129	1.18	cps
Strontium	86-1	4782720	4792668	4794882	4790090	0.14	cps
Strontium	88-1	41998308	41891307	41641742	41843785	0.44	cps
Sulfur	34-1	397120	397745	394917	396594	0.37	cps
Terbium	159-1	37636392	36854558	36291097	36927349	1.83	cps
Terbium	159-2	23591873	22751002	22740318	23027731	2.12	cps
Thallium	203-1	238039	243522	241597	241053	1.15	cps
Thallium	205-1	570097	581532	576112	575914	0.99	cps
Tin	118-1	38769	39380	39725	39291	1.23	cps
Titanium	47-1	568305	575117	577171	573531	0.81	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-03	Instrumnet Name :	P7
Client Sample ID :	MH2GN9S	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:47:29	DataFile Name :	031SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	254177	259242	257379	256933	1.00	cps
Vanadium	51-2	1458940	1411499	1404444	1424961	2.08	cps
Yttrium	89-1	45135101	44403094	43614223	44384139	1.71	cps
Yttrium	89-2	11265367	11122528	11026021	11137972	1.08	cps
Zinc	66-2	1687786	1680575	1704574	1690978	0.73	cps
Zirconium	90-1	165667	167490	169688	167615	1.20	cps
Zirconium	91-1	37294	37662	37718	37558	0.61	cps

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On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-04	Instrumnet Name :	P7
Client Sample ID :	MH2GP0	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:50:23	DataFile Name :	032SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8193828	8123763	8170309	8162634	0.44	cps
Antimony	121-1	22448	22838	22241	22509	1.35	cps
Arsenic	75-2	20741	20661	20464	20622	0.69	cps
Barium	135-1	5153343	5158742	5082923	5131669	0.82	cps
Barium	137-1	8865631	8759668	8790825	8805375	0.62	cps
Beryllium	9-1	5368	5018	5218	5201	3.38	cps
Bismuth	209-1	20687253	20378361	20765963	20610526	0.99	cps
Bismuth	209-2	15199857	15075734	15125204	15133598	0.41	cps
Bromine	81-1	29850	30274	30338	30154	0.88	cps
Bromine	81-2	3047	3087	2920	3018	2.88	cps
Cadmium	108-1	3764	3864	3727	3785	1.87	cps
Cadmium	106-1	16536	16843	16530	16636	1.08	cps
Cadmium	111-1	61793	62989	62263	62348	0.97	cps
Calcium	43-1	10812546	10700835	10580546	10697976	1.08	cps
Calcium	44-1	171053177	172169977	170285844	171169666	0.55	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	302843	301033	300719	301532	0.38	cps
Cobalt	59-2	213723	211918	213487	213043	0.46	cps
Copper	63-2	1396374	1390849	1390506	1392576	0.24	cps
Dysprosium	156-1	274536	275406	269542	273161	1.16	cps
Dysprosium	156-2	215389	215685	214701	215258	0.23	cps
Erbium	164-1	243843	243642	243840	243775	0.05	cps
Erbium	164-2	158784	157109	158050	157981	0.53	cps
Gadolinium	160-1	264073	268345	262830	265083	1.09	cps
Gadolinium	160-2	181853	182807	180568	181743	0.62	cps
Holmium	165-1	35752199	35585664	35211019	35516294	0.78	cps
Holmium	165-2	23205199	22862122	22819020	22962114	0.92	cps
Indium	115-1	30194793	29977160	30073800	30081918	0.36	cps
Indium	115-2	10202224	10053210	10080490	10111974	0.78	cps
Iron	56-2	138710621	140374395	140265855	139783623	0.67	cps
Iron	57-2	3636657	3663661	3596620	3632313	0.93	cps
Iron	54-2	7739842	7435810	7649248	7608300	2.05	cps
Krypton	83-1	740	670	743	718	5.77	cps

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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-04	Instrumnet Name :	P7
Client Sample ID :	MH2GP0	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:50:23	DataFile Name :	032SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	13422018	13594269	13599595	13538627	0.75	cps
Lead	207-1	11583676	11584347	11582752	11583592	0.01	cps
Lead	208-1	53322320	53633319	53425319	53460319	0.30	cps
Lithium	6-1	3309143	3340355	3279945	3309814	0.91	cps
Magnesium	24-2	8406944	8425345	8472101	8434796	0.40	cps
Manganese	55-2	10098510	9972434	10136986	10069310	0.85	cps
Molybdenum	94-1	76247	75999	77674	76640	1.18	cps
Molybdenum	95-1	18298	18662	17647	18203	2.82	cps
Molybdenum	96-1	31631	32650	32539	32273	1.73	cps
Molybdenum	97-1	11341	11351	11311	11334	0.18	cps
Molybdenum	98-1	29109	29450	28685	29081	1.32	cps
Neodymium	150-1	449579	453238	452078	451632	0.41	cps
Neodymium	150-2	254267	252714	250999	252660	0.65	cps
Nickel	60-2	888604	883615	892845	888355	0.52	cps
Phosphorus	31-2	139832	140000	141723	140518	0.74	cps
Potassium	39-2	8974371	8930222	8925175	8943256	0.30	cps
Rhodium	103-1	28114351	27823652	27731101	27889702	0.72	cps
Rhodium	103-2	16402768	16239441	16167647	16269952	0.74	cps
Scandium	45-1	16637084	16798175	16514630	16649963	0.85	cps
Scandium	45-2	1401618	1429065	1399492	1410058	1.17	cps
Selenium	82-1	1391	1415	1291	1366	4.81	cps
Selenium	77-2	890	913	953	919	3.49	cps
Selenium	78-2	1290	1337	1260	1296	2.98	cps
Silicon	28-1	107985925	109756818	107566128	108436291	1.07	cps
Silver	107-1	49909	50380	50621	50303	0.72	cps
Silver	109-1	47745	48170	48160	48025	0.50	cps
Sodium	23-2	1296666	1283639	1324801	1301702	1.62	cps
Strontium	86-1	5035536	5076266	5018543	5043448	0.59	cps
Strontium	88-1	44260031	43627836	44403744	44097204	0.94	cps
Sulfur	34-1	405942	410271	411521	409245	0.72	cps
Terbium	159-1	36739213	36843871	36318979	36634021	0.76	cps
Terbium	159-2	22950601	22826279	22917647	22898176	0.28	cps
Thallium	203-1	9924	10050	10181	10052	1.28	cps
Thallium	205-1	24208	23437	23978	23874	1.66	cps
Tin	118-1	46093	49161	45803	47019	3.96	cps
Titanium	47-1	647597	648861	645135	647197	0.29	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-04	Instrumnet Name :	P7
Client Sample ID :	MH2GP0	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:50:23	DataFile Name :	032SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	270642	271728	271313	271228	0.20	cps
Vanadium	51-2	417900	417070	418337	417769	0.15	cps
Yttrium	89-1	44681809	44281071	43951006	44304629	0.83	cps
Yttrium	89-2	11087104	11063906	10870923	11007311	1.08	cps
Zinc	66-2	1755212	1768065	1750602	1757960	0.51	cps
Zirconium	90-1	181801	181783	182080	181888	0.09	cps
Zirconium	91-1	40422	41248	40235	40635	1.33	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-05	Instrumnet Name :	P7
Client Sample ID :	MH2GP1	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:53:23	DataFile Name :	033SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	7388555	7545216	7475506	7469759	1.05	cps
Antimony	121-1	24033	24561	24728	24441	1.48	cps
Arsenic	75-2	24984	25025	24951	24987	0.15	cps
Barium	135-1	5085687	5063835	5029030	5059517	0.56	cps
Barium	137-1	8670363	8720847	8617520	8669577	0.60	cps
Beryllium	9-1	5273	5251	5373	5299	1.23	cps
Bismuth	209-1	20901324	20681154	20822572	20801684	0.54	cps
Bismuth	209-2	15269764	15253177	15259899	15260947	0.05	cps
Bromine	81-1	30304	31340	31220	30955	1.83	cps
Bromine	81-2	3144	3154	3457	3252	5.48	cps
Cadmium	108-1	4004	3597	3967	3856	5.84	cps
Cadmium	106-1	17057	16643	16880	16860	1.23	cps
Cadmium	111-1	63371	63888	62377	63212	1.22	cps
Calcium	43-1	11437183	11451920	11376127	11421743	0.35	cps
Calcium	44-1	181996851	186559384	185605977	184720737	1.30	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	207098	208792	206297	207396	0.61	cps
Cobalt	59-2	208433	207967	206267	207556	0.55	cps
Copper	63-2	1330655	1327916	1316304	1324959	0.58	cps
Dysprosium	156-1	263540	265127	263968	264212	0.31	cps
Dysprosium	156-2	207174	206446	205768	206463	0.34	cps
Erbium	164-1	239246	241178	238890	239771	0.51	cps
Erbium	164-2	157312	156398	157827	157179	0.46	cps
Gadolinium	160-1	257853	255825	255941	256540	0.44	cps
Gadolinium	160-2	176602	177165	177212	176993	0.19	cps
Holmium	165-1	35916977	35655817	35573559	35715451	0.50	cps
Holmium	165-2	23433269	23302230	23209240	23314913	0.48	cps
Indium	115-1	30123495	30174954	30133083	30143844	0.09	cps
Indium	115-2	10191478	10109545	9958657	10086560	1.17	cps
Iron	56-2	114663825	113424488	111610932	113233082	1.36	cps
Iron	57-2	2995543	3006200	2962943	2988229	0.75	cps
Iron	54-2	6170377	6116539	6024104	6103674	1.21	cps
Krypton	83-1	647	663	707	672	4.61	cps

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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-05	Instrumnet Name :	P7
Client Sample ID :	MH2GP1	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:53:23	DataFile Name :	033SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	12365076	12131391	12244087	12246851	0.95	cps
Lead	207-1	10528546	10376551	10435108	10446735	0.73	cps
Lead	208-1	48706368	48070772	48492400	48423180	0.67	cps
Lithium	6-1	3324695	3324673	3291741	3313703	0.57	cps
Magnesium	24-2	7188694	7313189	7376978	7292954	1.31	cps
Manganese	55-2	9039961	8889292	8648888	8859380	2.23	cps
Molybdenum	94-1	62205	61780	61719	61901	0.43	cps
Molybdenum	95-1	11565	12005	11955	11842	2.04	cps
Molybdenum	96-1	22985	22938	22938	22954	0.12	cps
Molybdenum	97-1	7299	7359	6935	7197	3.18	cps
Molybdenum	98-1	18305	18195	18252	18250	0.30	cps
Neodymium	150-1	433259	432122	431081	432154	0.25	cps
Neodymium	150-2	244069	243892	241885	243282	0.50	cps
Nickel	60-2	277366	276870	274189	276141	0.62	cps
Phosphorus	31-2	122856	122610	123621	123029	0.43	cps
Potassium	39-2	7327602	7397044	7353813	7359487	0.48	cps
Rhodium	103-1	28507115	27913006	28029085	28149735	1.12	cps
Rhodium	103-2	16306516	16054306	16181596	16180806	0.78	cps
Scandium	45-1	17193370	16881110	16946261	17006914	0.97	cps
Scandium	45-2	1451665	1422206	1433484	1435785	1.04	cps
Selenium	82-1	1408	1331	1292	1344	4.38	cps
Selenium	77-2	903	870	903	892	2.16	cps
Selenium	78-2	1297	1203	1203	1235	4.37	cps
Silicon	28-1	105494738	105419805	104068495	104994346	0.76	cps
Silver	107-1	48079	48504	48400	48328	0.46	cps
Silver	109-1	46461	46314	46374	46383	0.16	cps
Sodium	23-2	1119571	1155228	1183394	1152731	2.77	cps
Strontium	86-1	5137042	5130080	5030520	5099214	1.17	cps
Strontium	88-1	44361703	44238389	44483796	44361296	0.28	cps
Sulfur	34-1	391409	390195	392226	391277	0.26	cps
Terbium	159-1	36627223	36771374	36646240	36681612	0.21	cps
Terbium	159-2	23041388	23174591	23136362	23117447	0.30	cps
Thallium	203-1	8489	8583	8233	8435	2.15	cps
Thallium	205-1	19691	20075	19681	19816	1.13	cps
Tin	118-1	36363	36800	37128	36764	1.04	cps
Titanium	47-1	465080	465794	467079	465984	0.22	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-05	Instrumnet Name :	P7
Client Sample ID :	MH2GP1	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:53:23	DataFile Name :	033SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	255555	254832	256098	255495	0.25	cps
Vanadium	51-2	436664	433601	433317	434527	0.43	cps
Yttrium	89-1	44782946	44930724	44495104	44736258	0.50	cps
Yttrium	89-2	11214928	11071258	11043529	11109905	0.83	cps
Zinc	66-2	1453002	1444332	1452461	1449932	0.33	cps
Zirconium	90-1	152185	152937	153553	152892	0.45	cps
Zirconium	91-1	34487	34444	34885	34605	0.70	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-06	Instrumnet Name :	P7
Client Sample ID :	MH2GP2	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:56:21	DataFile Name :	034SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	9310504	9320540	9294149	9308398	0.14	cps
Antimony	121-1	25513	25486	25777	25592	0.63	cps
Arsenic	75-2	28684	27853	28481	28339	1.53	cps
Barium	135-1	5549223	5578703	5591048	5572991	0.39	cps
Barium	137-1	9628592	9461698	9400122	9496804	1.24	cps
Beryllium	9-1	6118	6240	5451	5936	7.15	cps
Bismuth	209-1	20810709	20634369	20696743	20713940	0.43	cps
Bismuth	209-2	13193663	14959083	15233114	14461953	7.65	cps
Bromine	81-1	34470	35787	36178	35478	2.52	cps
Bromine	81-2	3991	3851	4397	4079	6.96	cps
Cadmium	108-1	4104	3817	4167	4029	4.63	cps
Cadmium	106-1	17774	17154	17033	17320	2.30	cps
Cadmium	111-1	65925	66247	65359	65844	0.68	cps
Calcium	43-1	13115403	13035882	13055644	13068976	0.32	cps
Calcium	44-1	207695624	209731910	208439770	208622435	0.49	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	239269	236652	236099	237340	0.71	cps
Cobalt	59-2	251423	253358	250553	251778	0.57	cps
Copper	63-2	1397659	1370540	1369497	1379232	1.16	cps
Dysprosium	156-1	288486	291473	287861	289273	0.67	cps
Dysprosium	156-2	226748	225563	225309	225873	0.34	cps
Erbium	164-1	264989	270580	264819	266796	1.23	cps
Erbium	164-2	174496	169583	172056	172045	1.43	cps
Gadolinium	160-1	282616	282552	285230	283466	0.54	cps
Gadolinium	160-2	197246	195823	194937	196002	0.59	cps
Holmium	165-1	36431089	36025334	36009339	36155254	0.66	cps
Holmium	165-2	20460566	23016685	23456068	22311106	7.25	cps
Indium	115-1	30577060	30534614	30441762	30517812	0.23	cps
Indium	115-2	9008568	10065049	10320118	9797912	7.10	cps
Iron	56-2	155561971	154211838	152252761	154008857	1.08	cps
Iron	57-2	4075256	3981442	4001300	4019333	1.23	cps
Iron	54-2	8532972	8438818	8436445	8469412	0.65	cps
Krypton	83-1	693	787	733	738	6.35	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-06	Instrumnet Name :	P7
Client Sample ID :	MH2GP2	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:56:21	DataFile Name :	034SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	14272702	14394380	14263719	14310267	0.51	cps
Lead	207-1	12252206	12297814	12309755	12286592	0.25	cps
Lead	208-1	56360812	56613576	56639472	56537953	0.27	cps
Lithium	6-1	3269458	3349153	3344251	3320954	1.34	cps
Magnesium	24-2	8696796	8559418	8603402	8619872	0.81	cps
Manganese	55-2	10129495	10070172	9948585	10049417	0.92	cps
Molybdenum	94-1	72106	73104	72823	72678	0.71	cps
Molybdenum	95-1	19186	19153	18535	18958	1.93	cps
Molybdenum	96-1	31865	31420	31270	31518	0.98	cps
Molybdenum	97-1	11745	11468	11468	11560	1.38	cps
Molybdenum	98-1	29874	29964	29600	29813	0.64	cps
Neodymium	150-1	472390	476703	471871	473655	0.56	cps
Neodymium	150-2	268252	262318	263613	264727	1.18	cps
Nickel	60-2	376373	366845	369881	371033	1.31	cps
Phosphorus	31-2	127304	124599	125762	125888	1.08	cps
Potassium	39-2	7100542	6905497	6988962	6998334	1.40	cps
Rhodium	103-1	28568242	28055807	27799860	28141303	1.39	cps
Rhodium	103-2	14382005	16314359	16476194	15724186	7.41	cps
Scandium	45-1	17007390	17284853	17227928	17173390	0.85	cps
Scandium	45-2	1230438	1410694	1419699	1353610	7.89	cps
Selenium	82-1	1396	1304	1272	1324	4.86	cps
Selenium	77-2	867	867	1090	941	13.70	cps
Selenium	78-2	1360	1323	1280	1321	3.03	cps
Silicon	28-1	110431992	110224095	109587975	110081354	0.40	cps
Silver	107-1	47297	47969	47895	47720	0.77	cps
Silver	109-1	44628	46618	45759	45668	2.19	cps
Sodium	23-2	1494778	1458695	1482130	1478534	1.24	cps
Strontium	86-1	5904330	5878967	5786972	5856756	1.05	cps
Strontium	88-1	50388614	51025993	51141093	50851900	0.80	cps
Sulfur	34-1	613790	604862	605619	608090	0.81	cps
Terbium	159-1	37472357	37170669	36934114	37192380	0.73	cps
Terbium	159-2	20535917	22813153	23763326	22370799	7.41	cps
Thallium	203-1	10497	10557	10334	10463	1.11	cps
Thallium	205-1	24966	24849	24405	24740	1.20	cps
Tin	118-1	39775	39835	40173	39928	0.54	cps
Titanium	47-1	555789	564364	560897	560350	0.77	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-06	Instrumnet Name :	P7
Client Sample ID :	MH2GP2	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:56:21	DataFile Name :	034SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	348898	344717	344417	346011	0.72	cps
Vanadium	51-2	548071	541990	536563	542208	1.06	cps
Yttrium	89-1	45582689	45155206	45306861	45348252	0.48	cps
Yttrium	89-2	9829340	11083974	11189024	10700779	7.07	cps
Zinc	66-2	1575805	1488813	1490236	1518284	3.28	cps
Zirconium	90-1	168841	172693	171093	170876	1.13	cps
Zirconium	91-1	37247	38417	38300	37988	1.70	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-07	Instrumnet Name :	P7
Client Sample ID :	MH2GP3	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:59:23	DataFile Name :	035SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8910938	8791072	8776161	8826057	0.84	cps
Antimony	121-1	29403	29206	28007	28872	2.62	cps
Arsenic	75-2	25439	25976	26293	25903	1.67	cps
Barium	135-1	4977569	4922607	4883638	4927938	0.96	cps
Barium	137-1	8431132	8554488	8342398	8442673	1.26	cps
Beryllium	9-1	5579	5618	5546	5581	0.65	cps
Bismuth	209-1	21450949	20674516	20818160	20981208	1.97	cps
Bismuth	209-2	15452681	15171469	15294718	15306289	0.92	cps
Bromine	81-1	33869	34400	34741	34337	1.28	cps
Bromine	81-2	3500	3484	3630	3538	2.27	cps
Cadmium	108-1	3494	3387	3681	3520	4.22	cps
Cadmium	106-1	17137	16650	16503	16763	1.98	cps
Cadmium	111-1	58432	59019	58252	58568	0.68	cps
Calcium	43-1	10708467	10813978	10723555	10748667	0.53	cps
Calcium	44-1	174076804	173711857	174252244	174013635	0.16	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	247828	250829	244880	247846	1.20	cps
Cobalt	59-2	213795	218301	215211	215769	1.07	cps
Copper	63-2	1807233	1737690	1768245	1771056	1.97	cps
Dysprosium	156-1	246403	240895	242140	243146	1.19	cps
Dysprosium	156-2	192781	189871	189980	190877	0.86	cps
Erbium	164-1	220377	221040	218712	220043	0.54	cps
Erbium	164-2	144279	141363	142629	142757	1.02	cps
Gadolinium	160-1	237731	238579	237202	237837	0.29	cps
Gadolinium	160-2	162608	163742	161313	162554	0.75	cps
Holmium	165-1	37860091	35920221	35751704	36510672	3.21	cps
Holmium	165-2	23394418	23151746	23318300	23288155	0.53	cps
Indium	115-1	31469430	30514302	30543403	30842378	1.76	cps
Indium	115-2	10221879	10213782	10241812	10225824	0.14	cps
Iron	56-2	156905958	154941408	154093924	155313763	0.93	cps
Iron	57-2	3995672	4077801	4066807	4046760	1.10	cps
Iron	54-2	8466247	8405182	8441237	8437556	0.36	cps
Krypton	83-1	633	650	710	664	6.07	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-07	Instrumnet Name :	P7
Client Sample ID :	MH2GP3	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:59:23	DataFile Name :	035SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	17074418	17137063	17072454	17094645	0.21	cps
Lead	207-1	14556353	14493284	14336986	14462208	0.78	cps
Lead	208-1	67235545	67375269	66953807	67188207	0.32	cps
Lithium	6-1	3378308	3300908	3204980	3294732	2.64	cps
Magnesium	24-2	7140571	6957739	7071641	7056650	1.31	cps
Manganese	55-2	8890670	8565823	8553286	8669926	2.21	cps
Molybdenum	94-1	76123	77199	76706	76676	0.70	cps
Molybdenum	95-1	24133	25011	23773	24306	2.62	cps
Molybdenum	96-1	38136	37852	39182	38390	1.82	cps
Molybdenum	97-1	15181	15091	15211	15161	0.41	cps
Molybdenum	98-1	38775	39584	38795	39051	1.18	cps
Neodymium	150-1	401794	404753	400031	402193	0.59	cps
Neodymium	150-2	226589	223128	224043	224587	0.80	cps
Nickel	60-2	585280	580486	581747	582505	0.43	cps
Phosphorus	31-2	108182	106380	105755	106772	1.18	cps
Potassium	39-2	5363843	5212528	5190474	5255615	1.80	cps
Rhodium	103-1	29484673	28283908	27964800	28577793	2.80	cps
Rhodium	103-2	16454456	16442402	16439436	16445431	0.05	cps
Scandium	45-1	17734717	17203040	16876121	17271293	2.51	cps
Scandium	45-2	1431834	1405449	1402967	1413417	1.13	cps
Selenium	82-1	1467	1296	1158	1307	11.84	cps
Selenium	77-2	847	757	897	833	8.51	cps
Selenium	78-2	1310	1187	1250	1249	4.94	cps
Silicon	28-1	105873928	103335165	103622285	104277126	1.33	cps
Silver	107-1	49069	49648	49454	49390	0.60	cps
Silver	109-1	46381	47073	47738	47064	1.44	cps
Sodium	23-2	1667764	1626335	1669473	1654524	1.48	cps
Strontium	86-1	5378266	5328243	5346696	5351068	0.47	cps
Strontium	88-1	45823308	46386936	46126789	46112344	0.61	cps
Sulfur	34-1	1168692	980125	984572	1044463	10.30	cps
Terbium	159-1	38175070	37101677	36738985	37338578	2.00	cps
Terbium	159-2	23217815	23052710	22795653	23022060	0.92	cps
Thallium	203-1	10574	10511	10581	10555	0.37	cps
Thallium	205-1	24556	25103	25023	24894	1.19	cps
Tin	118-1	45632	45522	45294	45483	0.38	cps
Titanium	47-1	676892	681596	674354	677614	0.54	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-07	Instrumnet Name :	P7
Client Sample ID :	MH2GP3	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 06:59:23	DataFile Name :	035SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	300939	307675	305433	304682	1.13	cps
Vanadium	51-2	486215	485068	488196	486493	0.33	cps
Yttrium	89-1	46160808	44513281	44840349	45171479	1.93	cps
Yttrium	89-2	11060255	10983652	11034107	11026004	0.35	cps
Zinc	66-2	1767763	1703393	1742072	1737743	1.86	cps
Zirconium	90-1	171556	174675	172506	172912	0.92	cps
Zirconium	91-1	38136	39029	38754	38640	1.18	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-08	Instrumnet Name :	P7
Client Sample ID :	MH2GP4	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:02:21	DataFile Name :	036SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	7692127	7932689	7868303	7831040	1.59	cps
Antimony	121-1	25149	25192	25059	25133	0.27	cps
Arsenic	75-2	19716	19984	19773	19824	0.71	cps
Barium	135-1	5300467	5237712	5143652	5227277	1.51	cps
Barium	137-1	9032985	9024510	8843060	8966852	1.20	cps
Beryllium	9-1	5390	5218	5284	5297	1.64	cps
Bismuth	209-1	20583921	20312200	20603651	20499924	0.79	cps
Bismuth	209-2	15142852	15329036	15127161	15199683	0.74	cps
Bromine	81-1	30020	30956	30475	30484	1.53	cps
Bromine	81-2	2977	2960	2787	2908	3.62	cps
Cadmium	108-1	3971	3937	3974	3961	0.51	cps
Cadmium	106-1	17564	16893	16670	17042	2.73	cps
Cadmium	111-1	63746	64133	63175	63685	0.76	cps
Calcium	43-1	11020259	10898430	10838063	10918917	0.85	cps
Calcium	44-1	176982691	174882271	174185897	175350286	0.83	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	227363	230384	225918	227889	1.00	cps
Cobalt	59-2	212537	211854	212406	212266	0.17	cps
Copper	63-2	1221569	1209367	1204030	1211656	0.74	cps
Dysprosium	156-1	261825	261399	262029	261751	0.12	cps
Dysprosium	156-2	203937	204214	203188	203780	0.26	cps
Erbium	164-1	241543	238883	239422	239949	0.59	cps
Erbium	164-2	155424	154655	154328	154802	0.36	cps
Gadolinium	160-1	259468	256704	257187	257787	0.57	cps
Gadolinium	160-2	175366	177230	175563	176053	0.58	cps
Holmium	165-1	35499669	35566314	35559337	35541774	0.10	cps
Holmium	165-2	23470079	22817133	23418858	23235357	1.56	cps
Indium	115-1	30457993	30308733	30094019	30286915	0.60	cps
Indium	115-2	10209604	10246379	10195739	10217241	0.26	cps
Iron	56-2	128975421	127569591	130073305	128872773	0.97	cps
Iron	57-2	3393383	3423009	3404792	3407061	0.44	cps
Iron	54-2	7061312	6992534	7066043	7039963	0.58	cps
Krypton	83-1	717	767	720	734	3.81	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-08	Instrumnet Name :	P7
Client Sample ID :	MH2GP4	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:02:21	DataFile Name :	036SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	15796930	15627959	15657371	15694087	0.58	cps
Lead	207-1	13655401	13432341	13485986	13524576	0.86	cps
Lead	208-1	62788544	61758309	61872889	62139914	0.91	cps
Lithium	6-1	3210131	3228583	3273116	3237277	1.00	cps
Magnesium	24-2	8045105	8141388	8226155	8137549	1.11	cps
Manganese	55-2	10234847	10048287	10194375	10159170	0.97	cps
Molybdenum	94-1	77695	78499	78656	78283	0.66	cps
Molybdenum	95-1	13553	13526	13356	13479	0.79	cps
Molybdenum	96-1	27245	27847	27115	27402	1.42	cps
Molybdenum	97-1	8222	8646	8212	8360	2.96	cps
Molybdenum	98-1	22020	21419	21533	21657	1.47	cps
Neodymium	150-1	432106	426406	425364	427959	0.85	cps
Neodymium	150-2	239332	239947	234149	237809	1.34	cps
Nickel	60-2	159788	159323	158996	159369	0.25	cps
Phosphorus	31-2	155254	154828	154811	154965	0.16	cps
Potassium	39-2	8760997	8785292	8810882	8785724	0.28	cps
Rhodium	103-1	28074405	28164374	27873268	28037349	0.53	cps
Rhodium	103-2	16291884	16233546	16255635	16260355	0.18	cps
Scandium	45-1	16757605	16938175	16927006	16874262	0.60	cps
Scandium	45-2	1431638	1399302	1415075	1415338	1.14	cps
Selenium	82-1	1272	1373	1288	1311	4.14	cps
Selenium	77-2	910	757	823	830	9.26	cps
Selenium	78-2	1290	1247	1223	1253	2.70	cps
Silicon	28-1	106911982	106489435	105033122	106144846	0.93	cps
Silver	107-1	49942	50287	49892	50040	0.43	cps
Silver	109-1	47611	47792	47156	47520	0.69	cps
Sodium	23-2	1208831	1244740	1252305	1235292	1.88	cps
Strontium	86-1	5152995	5139491	5065312	5119266	0.92	cps
Strontium	88-1	44821424	44911856	44478613	44737298	0.51	cps
Sulfur	34-1	409668	411462	410829	410653	0.22	cps
Terbium	159-1	36896637	36318170	36482378	36565728	0.82	cps
Terbium	159-2	22902062	22983348	22799221	22894877	0.40	cps
Thallium	203-1	8980	8673	8566	8740	2.46	cps
Thallium	205-1	21180	20879	20993	21017	0.72	cps
Tin	118-1	52060	52659	51946	52222	0.73	cps
Titanium	47-1	561921	574568	566935	567808	1.12	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-08	Instrumnet Name :	P7
Client Sample ID :	MH2GP4	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:02:21	DataFile Name :	036SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	247885	248703	248669	248419	0.19	cps
Vanadium	51-2	408579	409237	406577	408131	0.34	cps
Yttrium	89-1	44498036	44791913	44451884	44580611	0.41	cps
Yttrium	89-2	10975484	11069563	11067151	11037399	0.49	cps
Zinc	66-2	1720297	1704566	1733372	1719412	0.84	cps
Zirconium	90-1	192550	195200	197586	195112	1.29	cps
Zirconium	91-1	43193	43849	43120	43387	0.92	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-09	Instrumnet Name :	P7
Client Sample ID :	MH2GP5	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:05:20	DataFile Name :	037SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	7968682	8325473	8155139	8149765	2.19	cps
Antimony	121-1	27747	27590	28639	27992	2.02	cps
Arsenic	75-2	27051	27325	26340	26906	1.89	cps
Barium	135-1	5929423	5934674	5908953	5924350	0.23	cps
Barium	137-1	10182429	10216368	10023015	10140604	1.02	cps
Beryllium	9-1	5851	5935	5912	5899	0.73	cps
Bismuth	209-1	20813165	20298734	20302085	20471328	1.45	cps
Bismuth	209-2	14878374	14986721	14765906	14877000	0.74	cps
Bromine	81-1	32659	33124	33311	33031	1.02	cps
Bromine	81-2	3374	3707	3497	3526	4.78	cps
Cadmium	108-1	4371	4611	4554	4512	2.78	cps
Cadmium	106-1	18125	17414	17601	17713	2.08	cps
Cadmium	111-1	71566	71493	71041	71367	0.40	cps
Calcium	43-1	12947755	13065140	12720781	12911225	1.36	cps
Calcium	44-1	207702690	208538937	205480764	207240797	0.76	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	207975	204281	205737	205998	0.90	cps
Cobalt	59-2	236475	232816	235384	234891	0.80	cps
Copper	63-2	1686609	1694349	1652632	1677863	1.32	cps
Dysprosium	156-1	274835	279831	281677	278781	1.27	cps
Dysprosium	156-2	217634	214849	218568	217017	0.89	cps
Erbium	164-1	260847	260327	261873	261016	0.30	cps
Erbium	164-2	169346	170884	168162	169464	0.81	cps
Gadolinium	160-1	274444	277948	275556	275982	0.65	cps
Gadolinium	160-2	191172	190622	188291	190028	0.80	cps
Holmium	165-1	36285430	35825208	35686355	35932331	0.87	cps
Holmium	165-2	22879450	22740863	22675611	22765308	0.46	cps
Indium	115-1	31218329	30059716	29896592	30391546	2.37	cps
Indium	115-2	10242643	10091300	9960684	10098209	1.40	cps
Iron	56-2	122449748	120399085	123112692	121987175	1.16	cps
Iron	57-2	3252909	3213439	3288085	3251478	1.15	cps
Iron	54-2	6657817	6665622	6670353	6664597	0.09	cps
Krypton	83-1	707	607	777	697	12.26	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-09	Instrumnet Name :	P7
Client Sample ID :	MH2GP5	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:05:20	DataFile Name :	037SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	16381571	16160294	16077386	16206417	0.97	cps
Lead	207-1	13859636	13782799	13675823	13772752	0.67	cps
Lead	208-1	63600939	63476602	63115782	63397774	0.40	cps
Lithium	6-1	3330874	3275508	3237219	3281200	1.44	cps
Magnesium	24-2	8211177	8225439	8063141	8166586	1.10	cps
Manganese	55-2	10294078	10008496	10291106	10197893	1.61	cps
Molybdenum	94-1	86252	86587	87499	86779	0.74	cps
Molybdenum	95-1	13269	13530	13076	13292	1.71	cps
Molybdenum	96-1	28281	28812	28738	28610	1.01	cps
Molybdenum	97-1	8523	8326	8553	8467	1.46	cps
Molybdenum	98-1	20725	21035	21229	20996	1.21	cps
Neodymium	150-1	449394	444412	446181	446662	0.57	cps
Neodymium	150-2	252329	251004	249668	251000	0.53	cps
Nickel	60-2	340134	338243	341181	339852	0.44	cps
Phosphorus	31-2	145958	146413	147184	146518	0.42	cps
Potassium	39-2	8395174	8400654	8317513	8371114	0.56	cps
Rhodium	103-1	28835241	27374849	28053982	28088024	2.60	cps
Rhodium	103-2	16001321	16123802	15980758	16035294	0.48	cps
Scandium	45-1	17570431	16845332	17015659	17143807	2.21	cps
Scandium	45-2	1409651	1408826	1408503	1408993	0.04	cps
Selenium	82-1	1316	1470	1253	1346	8.29	cps
Selenium	77-2	867	983	837	896	8.65	cps
Selenium	78-2	1280	1377	1257	1305	4.88	cps
Silicon	28-1	106198128	105867245	107875368	106646914	1.01	cps
Silver	107-1	52782	53920	53769	53490	1.16	cps
Silver	109-1	50130	49959	50651	50247	0.72	cps
Sodium	23-2	1369742	1366867	1392533	1376381	1.02	cps
Strontium	86-1	5890743	5919612	5903072	5904476	0.25	cps
Strontium	88-1	52136498	51792226	51143653	51690792	0.98	cps
Sulfur	34-1	406170	407830	406331	406777	0.23	cps
Terbium	159-1	37662533	36373792	36251590	36762638	2.13	cps
Terbium	159-2	22950470	22698745	22722366	22790527	0.61	cps
Thallium	203-1	9650	9563	9393	9536	1.37	cps
Thallium	205-1	22585	22502	22288	22459	0.68	cps
Tin	118-1	53428	54456	54058	53981	0.96	cps
Titanium	47-1	525453	524598	523667	524573	0.17	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-09	Instrumnet Name :	P7
Client Sample ID :	MH2GP5	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:05:20	DataFile Name :	037SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	292350	292824	292065	292413	0.13	cps
Vanadium	51-2	469049	461710	468227	466329	0.86	cps
Yttrium	89-1	46532151	44888369	44518283	45312934	2.37	cps
Yttrium	89-2	11061379	11022075	11100994	11061483	0.36	cps
Zinc	66-2	1785877	1785168	1777884	1782976	0.25	cps
Zirconium	90-1	215658	220984	219305	218649	1.25	cps
Zirconium	91-1	47898	48838	48440	48392	0.97	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-10	Instrumnet Name :	P7
Client Sample ID :	MH2GP6	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:08:17	DataFile Name :	038SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	7823772	7785397	7647828	7752332	1.19	cps
Antimony	121-1	25700	25890	25152	25581	1.50	cps
Arsenic	75-2	23609	23802	24046	23819	0.92	cps
Barium	135-1	5407645	5295234	5336728	5346536	1.06	cps
Barium	137-1	9238866	9151034	9001055	9130318	1.32	cps
Beryllium	9-1	6023	5779	5379	5727	5.68	cps
Bismuth	209-1	20233613	20392783	20199232	20275210	0.51	cps
Bismuth	209-2	14782951	14568546	14796624	14716040	0.87	cps
Bromine	81-1	32466	33578	34353	33466	2.84	cps
Bromine	81-2	3907	3721	3797	3808	2.46	cps
Cadmium	108-1	3744	3510	3484	3579	4.00	cps
Cadmium	106-1	16483	15885	16249	16206	1.86	cps
Cadmium	111-1	60432	58893	59360	59561	1.32	cps
Calcium	43-1	13162911	13222427	13004921	13130086	0.86	cps
Calcium	44-1	210360497	212131364	212265104	211585655	0.50	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	195139	192076	192094	193103	0.91	cps
Cobalt	59-2	222326	220158	220066	220850	0.58	cps
Copper	63-2	1390176	1396959	1378644	1388593	0.67	cps
Dysprosium	156-1	264678	262570	263845	263698	0.40	cps
Dysprosium	156-2	204098	205823	205666	205195	0.46	cps
Erbium	164-1	243831	245581	246802	245405	0.61	cps
Erbium	164-2	160429	161161	159650	160413	0.47	cps
Gadolinium	160-1	260358	261088	262791	261412	0.48	cps
Gadolinium	160-2	181347	180058	178910	180105	0.68	cps
Holmium	165-1	35073441	35271181	35154190	35166271	0.28	cps
Holmium	165-2	22787014	22590799	22404591	22594135	0.85	cps
Indium	115-1	30195470	29921407	29538644	29885174	1.10	cps
Indium	115-2	10061263	9807869	9946679	9938604	1.28	cps
Iron	56-2	121555005	119599658	118193485	119782716	1.41	cps
Iron	57-2	3233572	3169231	3191956	3198253	1.02	cps
Iron	54-2	6582908	6552482	6572609	6569333	0.24	cps
Krypton	83-1	590	690	707	662	9.53	cps

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-10	Instrumnet Name :	P7
Client Sample ID :	MH2GP6	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:08:17	DataFile Name :	038SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	11817701	11850789	11700493	11789661	0.67	cps
Lead	207-1	10035328	10049684	10039295	10041436	0.07	cps
Lead	208-1	46369007	46428483	46179145	46325545	0.28	cps
Lithium	6-1	3278019	3196549	3182004	3218857	1.61	cps
Magnesium	24-2	7491363	7510505	7517402	7506423	0.18	cps
Manganese	55-2	8660217	8557543	8609778	8609179	0.60	cps
Molybdenum	94-1	73530	74498	74706	74245	0.85	cps
Molybdenum	95-1	21803	21312	20755	21290	2.46	cps
Molybdenum	96-1	34992	33766	34567	34442	1.81	cps
Molybdenum	97-1	12993	13056	13086	13045	0.37	cps
Molybdenum	98-1	34327	33913	34527	34256	0.92	cps
Neodymium	150-1	430974	430947	428030	429984	0.39	cps
Neodymium	150-2	241555	241002	239454	240670	0.45	cps
Nickel	60-2	474671	471030	467345	471015	0.78	cps
Phosphorus	31-2	117363	117439	118199	117667	0.39	cps
Potassium	39-2	6481651	6416433	6440809	6446298	0.51	cps
Rhodium	103-1	27482365	27255613	27283175	27340384	0.45	cps
Rhodium	103-2	15950317	15786149	15919894	15885453	0.55	cps
Scandium	45-1	16402279	16707070	16630652	16580001	0.96	cps
Scandium	45-2	1396991	1391589	1397165	1395248	0.23	cps
Selenium	82-1	1484	1313	1190	1329	11.13	cps
Selenium	77-2	850	847	833	843	1.05	cps
Selenium	78-2	1303	1330	1230	1288	4.02	cps
Silicon	28-1	99360572	99705669	99502579	99522940	0.17	cps
Silver	107-1	42064	42348	43053	42489	1.20	cps
Silver	109-1	40242	40928	41155	40775	1.16	cps
Sodium	23-2	1423286	1430515	1420897	1424900	0.35	cps
Strontium	86-1	5688889	5597734	5644921	5643848	0.81	cps
Strontium	88-1	49126943	49795549	48625843	49182778	1.19	cps
Sulfur	34-1	595181	597816	602213	598403	0.59	cps
Terbium	159-1	35679718	35756699	35878794	35771737	0.28	cps
Terbium	159-2	22803314	22526560	22329834	22553236	1.05	cps
Thallium	203-1	8763	8910	9036	8903	1.54	cps
Thallium	205-1	21581	21384	21133	21366	1.05	cps
Tin	118-1	34755	36616	36623	35998	2.99	cps
Titanium	47-1	485604	491056	490748	489136	0.63	cps

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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-10	Instrumnet Name :	P7
Client Sample ID :	MH2GP6	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:08:17	DataFile Name :	038SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	319330	317434	315914	317560	0.54	cps
Vanadium	51-2	472275	468188	468891	469784	0.47	cps
Yttrium	89-1	44280438	44545539	44007393	44277790	0.61	cps
Yttrium	89-2	11066580	10701464	10915656	10894567	1.68	cps
Zinc	66-2	1253736	1272138	1252734	1259536	0.87	cps
Zirconium	90-1	168585	170949	168467	169334	0.83	cps
Zirconium	91-1	37337	38043	37688	37689	0.94	cps

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On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-11	Instrumnet Name :	P7
Client Sample ID :	MH2GP7	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:11:18	DataFile Name :	039SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	9243245	9352488	9282941	9292891	0.60	cps
Antimony	121-1	34311	34739	34341	34463	0.69	cps
Arsenic	75-2	30628	31079	30622	30776	0.85	cps
Barium	135-1	6243772	6280106	6289668	6271182	0.39	cps
Barium	137-1	10659194	10819952	10721452	10733533	0.76	cps
Beryllium	9-1	6062	6557	6312	6311	3.92	cps
Bismuth	209-1	20167306	19062710	19617828	19615948	2.82	cps
Bismuth	209-2	15092092	15019000	14736477	14949190	1.26	cps
Bromine	81-1	40796	41020	41706	41174	1.15	cps
Bromine	81-2	5058	5071	5281	5137	2.44	cps
Cadmium	108-1	5648	5825	5628	5700	1.90	cps
Cadmium	106-1	19480	18742	18665	18962	2.37	cps
Cadmium	111-1	88787	88207	88945	88646	0.44	cps
Calcium	43-1	15303551	15312952	15345371	15320625	0.14	cps
Calcium	44-1	246800836	247284810	245011043	246365563	0.49	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	340478	341826	343280	341862	0.41	cps
Cobalt	59-2	239942	240568	236522	239011	0.91	cps
Copper	63-2	1977703	1997131	1993670	1989502	0.52	cps
Dysprosium	156-1	274961	277141	275351	275818	0.42	cps
Dysprosium	156-2	217263	219241	220004	218836	0.65	cps
Erbium	164-1	251356	253220	252038	252204	0.37	cps
Erbium	164-2	165299	165895	165120	165438	0.25	cps
Gadolinium	160-1	270135	271353	268862	270116	0.46	cps
Gadolinium	160-2	188682	186950	184376	186669	1.16	cps
Holmium	165-1	35206842	33430917	33868434	34168731	2.71	cps
Holmium	165-2	23142215	22736574	22921026	22933272	0.89	cps
Indium	115-1	29739489	27988637	28792876	28840334	3.04	cps
Indium	115-2	10226344	10123390	10133977	10161237	0.56	cps
Iron	56-2	157060614	157748034	154813144	156540598	0.98	cps
Iron	57-2	4177718	4204552	4164837	4182369	0.48	cps
Iron	54-2	8543377	8655117	8515857	8571450	0.86	cps
Krypton	83-1	730	740	693	721	3.41	cps

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LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-11	Instrumnet Name :	P7
Client Sample ID :	MH2GP7	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:11:18	DataFile Name :	039SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	17274137	17596204	17555972	17475438	1.00	cps
Lead	207-1	14739410	14880051	14821914	14813792	0.48	cps
Lead	208-1	68451880	69016526	68489911	68652773	0.46	cps
Lithium	6-1	3242446	3068468	3052440	3121118	3.38	cps
Magnesium	24-2	7816128	7692973	7741486	7750196	0.80	cps
Manganese	55-2	9841762	10011854	9753667	9869095	1.33	cps
Molybdenum	94-1	125468	124988	123713	124723	0.73	cps
Molybdenum	95-1	38046	38430	38066	38181	0.57	cps
Molybdenum	96-1	60116	59534	59694	59781	0.50	cps
Molybdenum	97-1	24451	23789	23763	24001	1.62	cps
Molybdenum	98-1	62188	62088	62098	62125	0.09	cps
Neodymium	150-1	452829	456992	457493	455772	0.56	cps
Neodymium	150-2	256057	255682	256575	256105	0.18	cps
Nickel	60-2	827066	829519	818551	825045	0.70	cps
Phosphorus	31-2	119210	121787	119183	120060	1.25	cps
Potassium	39-2	5961557	5956064	5957940	5958521	0.05	cps
Rhodium	103-1	27416517	25933703	26674874	26675031	2.78	cps
Rhodium	103-2	16107836	16118434	15934194	16053488	0.64	cps
Scandium	45-1	16740999	15832863	16177355	16250405	2.82	cps
Scandium	45-2	1412683	1435629	1408616	1418976	1.03	cps
Selenium	82-1	2006	1811	1771	1863	6.75	cps
Selenium	77-2	933	990	967	963	2.96	cps
Selenium	78-2	1477	1460	1473	1470	0.60	cps
Silicon	28-1	102439152	102055768	101082885	101859268	0.69	cps
Silver	107-1	62966	63826	62959	63250	0.79	cps
Silver	109-1	59404	60040	59789	59745	0.54	cps
Sodium	23-2	2301133	2336542	2340071	2325915	0.93	cps
Strontium	86-1	6566490	6576622	6502510	6548540	0.61	cps
Strontium	88-1	57189194	57804352	57074206	57355917	0.68	cps
Sulfur	34-1	1268025	1286325	1261667	1272006	1.01	cps
Terbium	159-1	36092343	34129804	35344507	35188884	2.81	cps
Terbium	159-2	22767018	22814712	23010650	22864127	0.56	cps
Thallium	203-1	11789	11692	11735	11738	0.41	cps
Thallium	205-1	28500	28781	28423	28568	0.66	cps
Tin	118-1	91716	93481	91693	92296	1.11	cps
Titanium	47-1	732006	740215	737172	736464	0.56	cps

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LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-11	Instrumnet Name :	P7
Client Sample ID :	MH2GP7	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:11:18	DataFile Name :	039SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	395830	397391	395932	396384	0.22	cps
Vanadium	51-2	532201	534540	534996	533912	0.28	cps
Yttrium	89-1	44635883	42375549	43201538	43404323	2.64	cps
Yttrium	89-2	11140379	11094179	10971670	11068743	0.79	cps
Zinc	66-2	3599490	3664693	3597460	3620547	1.06	cps
Zirconium	90-1	281379	284045	283496	282973	0.50	cps
Zirconium	91-1	62710	63102	62984	62932	0.32	cps

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On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-12	Instrumnet Name :	P7
Client Sample ID :	MH2GP8	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:14:13	DataFile Name :	040SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	7540205	7646575	7509047	7565276	0.95	cps
Antimony	121-1	20418	21349	21102	20956	2.30	cps
Arsenic	75-2	20100	20087	20534	20241	1.26	cps
Barium	135-1	5014732	4978214	4982728	4991891	0.40	cps
Barium	137-1	8473510	8752722	8450497	8558910	1.97	cps
Beryllium	9-1	5179	5173	5162	5171	0.16	cps
Bismuth	209-1	21099600	20817973	20547167	20821580	1.33	cps
Bismuth	209-2	15345811	15355385	15273594	15324930	0.29	cps
Bromine	81-1	28040	29049	29292	28794	2.31	cps
Bromine	81-2	3114	2880	3017	3004	3.90	cps
Cadmium	108-1	4167	4107	4021	4098	1.80	cps
Cadmium	106-1	17554	17053	16459	17022	3.22	cps
Cadmium	111-1	65639	66010	65277	65642	0.56	cps
Calcium	43-1	10798065	10631336	10716072	10715158	0.78	cps
Calcium	44-1	172472397	172219744	169572701	171421614	0.94	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	215122	217010	215721	215951	0.45	cps
Cobalt	59-2	204362	203821	204521	204235	0.18	cps
Copper	63-2	1260465	1263267	1259227	1260986	0.16	cps
Dysprosium	156-1	255756	255109	254789	255218	0.19	cps
Dysprosium	156-2	199771	198090	201630	199831	0.89	cps
Erbium	164-1	234622	233876	235896	234798	0.44	cps
Erbium	164-2	152229	150572	152738	151846	0.75	cps
Gadolinium	160-1	251320	251079	249277	250559	0.45	cps
Gadolinium	160-2	173287	173935	172882	173368	0.31	cps
Holmium	165-1	36073601	35847344	35661821	35860922	0.58	cps
Holmium	165-2	23553631	23413062	23254000	23406898	0.64	cps
Indium	115-1	30717904	30613729	29956344	30429326	1.36	cps
Indium	115-2	10387504	10200903	10191371	10259926	1.08	cps
Iron	56-2	121650855	121444168	120510825	121201949	0.50	cps
Iron	57-2	3216828	3170397	3194072	3193766	0.73	cps
Iron	54-2	6645434	6621778	6595246	6620819	0.38	cps
Krypton	83-1	647	643	627	639	1.68	cps

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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-12	Instrumnet Name :	P7
Client Sample ID :	MH2GP8	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:14:13	DataFile Name :	040SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	13297749	13437434	13314878	13350020	0.57	cps
Lead	207-1	11385864	11494099	11547807	11475923	0.72	cps
Lead	208-1	52692460	53028157	52926012	52882210	0.33	cps
Lithium	6-1	3277564	3272813	3249264	3266547	0.46	cps
Magnesium	24-2	8101855	8031272	7906985	8013371	1.23	cps
Manganese	55-2	9876601	9878025	9861109	9871911	0.10	cps
Molybdenum	94-1	62004	62854	63373	62744	1.10	cps
Molybdenum	95-1	10871	11001	10924	10932	0.60	cps
Molybdenum	96-1	22264	22107	21963	22111	0.68	cps
Molybdenum	97-1	6552	6722	6902	6725	2.60	cps
Molybdenum	98-1	17818	17267	17194	17426	1.96	cps
Neodymium	150-1	414893	418306	419961	417720	0.62	cps
Neodymium	150-2	235430	234825	234004	234753	0.30	cps
Nickel	60-2	148382	149123	149224	148910	0.31	cps
Phosphorus	31-2	144121	142247	140421	142263	1.30	cps
Potassium	39-2	8484592	8445005	8376994	8435530	0.65	cps
Rhodium	103-1	28006574	27939919	27417410	27787968	1.16	cps
Rhodium	103-2	16336746	16194579	16293621	16274982	0.45	cps
Scandium	45-1	17095454	16824564	16787034	16902350	1.00	cps
Scandium	45-2	1423788	1424558	1389817	1412721	1.40	cps
Selenium	82-1	1409	1377	1388	1391	1.18	cps
Selenium	77-2	830	837	827	831	0.61	cps
Selenium	78-2	1180	1310	1293	1261	5.61	cps
Silicon	28-1	99844292	99317139	100101842	99754424	0.40	cps
Silver	107-1	47344	48089	48133	47855	0.93	cps
Silver	109-1	44301	46143	46297	45580	2.44	cps
Sodium	23-2	1256892	1251515	1254424	1254277	0.21	cps
Strontium	86-1	4936211	4964679	4955050	4951980	0.29	cps
Strontium	88-1	43281416	43273578	43229089	43261361	0.07	cps
Sulfur	34-1	404764	401466	406333	404187	0.61	cps
Terbium	159-1	37058773	36999550	36238540	36765621	1.24	cps
Terbium	159-2	23350965	23192336	23320020	23287774	0.36	cps
Thallium	203-1	8446	8780	8796	8674	2.28	cps
Thallium	205-1	19908	19991	20469	20123	1.50	cps
Tin	118-1	101602	103404	100233	101746	1.56	cps
Titanium	47-1	519916	515554	511281	515584	0.84	cps

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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-12	Instrumnet Name :	P7
Client Sample ID :	MH2GP8	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:14:13	DataFile Name :	040SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	224853	224132	224344	224443	0.17	cps
Vanadium	51-2	403315	403175	404084	403525	0.12	cps
Yttrium	89-1	44750114	44171556	44213551	44378407	0.73	cps
Yttrium	89-2	11045925	11039992	10993612	11026510	0.26	cps
Zinc	66-2	1755000	1768363	1723292	1748885	1.32	cps
Zirconium	90-1	157558	156305	156090	156651	0.51	cps
Zirconium	91-1	34975	35483	34835	35097	0.97	cps

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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-13	Instrumnet Name :	P7
Client Sample ID :	MH2GP9	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:17:13	DataFile Name :	041SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8006090	8113672	8039509	8053090	0.68	cps
Antimony	121-1	32139	32086	31588	31938	0.95	cps
Arsenic	75-2	27526	27085	26454	27021	1.99	cps
Barium	135-1	5525436	5486578	5519080	5510365	0.38	cps
Barium	137-1	9342470	9404562	9480842	9409291	0.74	cps
Beryllium	9-1	5584	5829	5840	5751	2.51	cps
Bismuth	209-1	21003386	20492681	20781427	20759165	1.23	cps
Bismuth	209-2	15459819	15380900	15269036	15369918	0.62	cps
Bromine	81-1	31520	31931	32836	32096	2.10	cps
Bromine	81-2	3640	3727	3590	3653	1.89	cps
Cadmium	108-1	3921	4251	4284	4152	4.84	cps
Cadmium	106-1	17764	17681	17638	17694	0.36	cps
Cadmium	111-1	68664	68963	67681	68436	0.98	cps
Calcium	43-1	12358442	12442394	12312083	12370973	0.53	cps
Calcium	44-1	195656850	198880557	197168330	197235246	0.82	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	243743	245723	241904	243790	0.78	cps
Cobalt	59-2	225016	225421	225652	225363	0.14	cps
Copper	63-2	1439770	1441048	1445060	1441959	0.19	cps
Dysprosium	156-1	266390	270174	269304	268623	0.74	cps
Dysprosium	156-2	211782	210433	212305	211507	0.46	cps
Erbium	164-1	244312	248021	247841	246725	0.85	cps
Erbium	164-2	160443	162337	162175	161652	0.65	cps
Gadolinium	160-1	262146	265591	262090	263276	0.76	cps
Gadolinium	160-2	181969	184639	183198	183269	0.73	cps
Holmium	165-1	36679991	36035778	35832934	36182901	1.22	cps
Holmium	165-2	23105728	23054201	23256307	23138745	0.45	cps
Indium	115-1	30665814	30052820	30216426	30311686	1.05	cps
Indium	115-2	10326381	10032515	10271134	10210010	1.53	cps
Iron	56-2	120672878	120531195	118496645	119900239	1.02	cps
Iron	57-2	3205266	3206477	3204883	3205542	0.03	cps
Iron	54-2	6553365	6492269	6476950	6507528	0.62	cps
Krypton	83-1	667	770	650	696	9.35	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-13	Instrumnet Name :	P7
Client Sample ID :	MH2GP9	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:17:13	DataFile Name :	041SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	14549794	14551026	14660443	14587088	0.44	cps
Lead	207-1	12346212	12513004	12629529	12496248	1.14	cps
Lead	208-1	57043345	57584509	57910195	57512683	0.76	cps
Lithium	6-1	3441629	3330084	3386219	3385978	1.65	cps
Magnesium	24-2	7614257	7689694	7591342	7631764	0.67	cps
Manganese	55-2	9775552	9801522	9565916	9714330	1.33	cps
Molybdenum	94-1	62581	62653	61876	62370	0.69	cps
Molybdenum	95-1	12729	12956	12349	12678	2.42	cps
Molybdenum	96-1	23663	24187	23716	23855	1.21	cps
Molybdenum	97-1	7672	7715	8192	7860	3.67	cps
Molybdenum	98-1	20167	19860	20338	20122	1.20	cps
Neodymium	150-1	432802	439491	435153	435815	0.78	cps
Neodymium	150-2	248216	248080	248654	248317	0.12	cps
Nickel	60-2	348273	348878	344093	347081	0.75	cps
Phosphorus	31-2	127005	128040	127573	127539	0.41	cps
Potassium	39-2	7166043	7354137	7173588	7231256	1.47	cps
Rhodium	103-1	28489675	27774016	27775436	28013043	1.47	cps
Rhodium	103-2	16500388	16150313	16253934	16301545	1.10	cps
Scandium	45-1	17053342	16692790	17020395	16922176	1.18	cps
Scandium	45-2	1436414	1432602	1421269	1430095	0.55	cps
Selenium	82-1	1515	1333	1286	1378	8.78	cps
Selenium	77-2	863	953	900	906	5.00	cps
Selenium	78-2	1277	1267	1177	1240	4.44	cps
Silicon	28-1	103526295	106188675	107032902	105582624	1.73	cps
Silver	107-1	49136	49360	48360	48952	1.07	cps
Silver	109-1	45304	46738	46397	46147	1.62	cps
Sodium	23-2	1306110	1310721	1301596	1306143	0.35	cps
Strontium	86-1	5505286	5631082	5591359	5575909	1.15	cps
Strontium	88-1	47894738	48966726	47911546	48257670	1.27	cps
Sulfur	34-1	429433	428917	433723	430691	0.61	cps
Terbium	159-1	37492598	36793269	36322191	36869353	1.60	cps
Terbium	159-2	23375656	23107576	23297055	23260096	0.59	cps
Thallium	203-1	8656	8696	8506	8619	1.16	cps
Thallium	205-1	20673	20312	20475	20487	0.88	cps
Tin	118-1	31768	33035	32126	32310	2.02	cps
Titanium	47-1	455963	470254	461636	462617	1.56	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-13	Instrumnet Name :	P7
Client Sample ID :	MH2GP9	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:17:13	DataFile Name :	041SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	291235	295796	299311	295448	1.37	cps
Vanadium	51-2	462431	464582	462081	463031	0.29	cps
Yttrium	89-1	45547528	44379261	44589619	44838803	1.39	cps
Yttrium	89-2	11174157	11146215	11055641	11125338	0.56	cps
Zinc	66-2	1637567	1663899	1642457	1647974	0.85	cps
Zirconium	90-1	149623	150559	152583	150922	1.00	cps
Zirconium	91-1	32967	33218	33669	33284	1.07	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-14	Instrumnet Name :	P7
Client Sample ID :	MH2GQ0	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:20:11	DataFile Name :	042SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	9922497	10096535	9883536	9967522	1.14	cps
Antimony	121-1	26364	27059	26541	26655	1.35	cps
Arsenic	75-2	25409	25465	25201	25358	0.55	cps
Barium	135-1	5226288	5240383	5267450	5244707	0.40	cps
Barium	137-1	8902186	9008314	9030295	8980265	0.76	cps
Beryllium	9-1	6413	5946	6474	6277	4.60	cps
Bismuth	209-1	20801968	21126553	20780865	20903128	0.93	cps
Bismuth	209-2	15299068	15455428	15323646	15359381	0.55	cps
Bromine	81-1	34066	34664	35493	34741	2.06	cps
Bromine	81-2	3887	4031	3847	3922	2.46	cps
Cadmium	108-1	3624	3721	3677	3674	1.32	cps
Cadmium	106-1	16887	16506	16590	16661	1.20	cps
Cadmium	111-1	59718	60180	59359	59753	0.69	cps
Calcium	43-1	12175706	12081649	12046326	12101227	0.55	cps
Calcium	44-1	196122930	195874924	195757017	195918290	0.10	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	239752	242526	238806	240361	0.80	cps
Cobalt	59-2	235314	236553	239008	236958	0.79	cps
Copper	63-2	1178554	1178502	1180773	1179276	0.11	cps
Dysprosium	156-1	262084	259662	264833	262193	0.99	cps
Dysprosium	156-2	206205	205041	206437	205894	0.36	cps
Erbium	164-1	241388	242977	240378	241581	0.54	cps
Erbium	164-2	158373	157015	157401	157596	0.44	cps
Gadolinium	160-1	253138	256977	258405	256173	1.06	cps
Gadolinium	160-2	176288	175349	176500	176046	0.35	cps
Holmium	165-1	35872887	36108124	36223264	36068092	0.50	cps
Holmium	165-2	23680611	23530394	23413290	23541432	0.57	cps
Indium	115-1	30380459	30512638	30222432	30371843	0.48	cps
Indium	115-2	10327822	10248186	10185546	10253852	0.70	cps
Iron	56-2	150980268	150538224	149529518	150349337	0.49	cps
Iron	57-2	3918910	3848926	3884792	3884209	0.90	cps
Iron	54-2	8279249	8256703	8169548	8235167	0.70	cps
Krypton	83-1	650	787	680	706	10.18	cps

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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-14	Instrumnet Name :	P7
Client Sample ID :	MH2GQ0	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:20:11	DataFile Name :	042SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	11911430	11851792	12063585	11942269	0.91	cps
Lead	207-1	10098964	10080200	10250056	10143073	0.92	cps
Lead	208-1	46719365	46929482	47037820	46895556	0.35	cps
Lithium	6-1	3449876	3343991	3351015	3381627	1.75	cps
Magnesium	24-2	8185164	8291207	8240209	8238860	0.64	cps
Manganese	55-2	9140577	9168946	9008651	9106058	0.94	cps
Molybdenum	94-1	76646	76592	76421	76553	0.15	cps
Molybdenum	95-1	17527	17694	18141	17788	1.79	cps
Molybdenum	96-1	31267	31180	31030	31159	0.39	cps
Molybdenum	97-1	11024	11058	11018	11033	0.19	cps
Molybdenum	98-1	28097	27887	28217	28067	0.60	cps
Neodymium	150-1	426765	431502	430098	429455	0.57	cps
Neodymium	150-2	240305	240202	237800	239436	0.59	cps
Nickel	60-2	445302	445590	441005	443966	0.58	cps
Phosphorus	31-2	105225	105688	105313	105409	0.23	cps
Potassium	39-2	6469719	6552618	6526056	6516131	0.65	cps
Rhodium	103-1	28279855	27902866	27591828	27924850	1.23	cps
Rhodium	103-2	16385731	15969424	16267267	16207474	1.32	cps
Scandium	45-1	17060167	16993699	16739274	16931047	1.00	cps
Scandium	45-2	1421841	1442084	1434899	1432941	0.72	cps
Selenium	82-1	1465	1306	1288	1353	7.20	cps
Selenium	77-2	813	907	813	844	6.38	cps
Selenium	78-2	1200	1333	1263	1266	5.27	cps
Silicon	28-1	117600525	119083268	118138122	118273972	0.63	cps
Silver	107-1	44615	44388	45016	44673	0.71	cps
Silver	109-1	41406	41533	42024	41654	0.78	cps
Sodium	23-2	1699717	1691232	1670426	1687125	0.89	cps
Strontium	86-1	5533703	5517113	5523118	5524645	0.15	cps
Strontium	88-1	48559551	48383961	47736886	48226799	0.90	cps
Sulfur	34-1	580374	577823	576876	578358	0.31	cps
Terbium	159-1	36637834	36938639	36981151	36852541	0.51	cps
Terbium	159-2	23428476	23409961	23473522	23437320	0.14	cps
Thallium	203-1	11108	10884	11408	11134	2.36	cps
Thallium	205-1	26726	26426	26486	26546	0.60	cps
Tin	118-1	30449	31185	29858	30497	2.18	cps
Titanium	47-1	636913	633592	636733	635746	0.29	cps

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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-14	Instrumnet Name :	P7
Client Sample ID :	MH2GQ0	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:20:11	DataFile Name :	042SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	326898	330712	327355	328322	0.63	cps
Vanadium	51-2	494813	494201	493424	494146	0.14	cps
Yttrium	89-1	44988711	44271321	43786931	44348988	1.36	cps
Yttrium	89-2	11160300	10973659	11103455	11079138	0.86	cps
Zinc	66-2	1239475	1236468	1240413	1238785	0.17	cps
Zirconium	90-1	180751	184139	181214	182035	1.01	cps
Zirconium	91-1	40065	40165	40208	40146	0.18	cps

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On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-15	Instrumnet Name :	P7
Client Sample ID :	MH2GQ1	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:23:14	DataFile Name :	043SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	10617192	10626507	10683457	10642385	0.34	cps
Antimony	121-1	28325	28361	28432	28372	0.19	cps
Arsenic	75-2	29306	30014	29686	29669	1.19	cps
Barium	135-1	5265460	5330408	5407350	5334406	1.33	cps
Barium	137-1	9130085	9292372	9289682	9237380	1.01	cps
Beryllium	9-1	6201	6707	6529	6479	3.96	cps
Bismuth	209-1	21431719	20799887	20668148	20966585	1.95	cps
Bismuth	209-2	15348288	15284104	15180647	15271013	0.55	cps
Bromine	81-1	36709	38460	38791	37987	2.95	cps
Bromine	81-2	4564	4474	4864	4634	4.41	cps
Cadmium	108-1	4191	4294	4181	4222	1.49	cps
Cadmium	106-1	17501	17931	17674	17702	1.22	cps
Cadmium	111-1	66208	67632	66979	66940	1.06	cps
Calcium	43-1	12476002	12873475	12540989	12630155	1.69	cps
Calcium	44-1	199146170	205688964	201547910	202127681	1.64	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	226834	226402	225416	226217	0.32	cps
Cobalt	59-2	237772	234047	234064	235294	0.91	cps
Copper	63-2	1406313	1407850	1398500	1404221	0.36	cps
Dysprosium	156-1	254901	260832	257557	257763	1.15	cps
Dysprosium	156-2	203914	205498	204788	204733	0.39	cps
Erbium	164-1	232590	238475	236108	235724	1.26	cps
Erbium	164-2	154251	153715	154490	154152	0.26	cps
Gadolinium	160-1	246708	251197	252466	250124	1.21	cps
Gadolinium	160-2	174343	173263	172974	173527	0.42	cps
Holmium	165-1	37390394	35934804	35741560	36355586	2.48	cps
Holmium	165-2	23368283	23152146	23100695	23207042	0.61	cps
Indium	115-1	31168205	30168833	30378615	30571885	1.72	cps
Indium	115-2	10273119	10392184	10203144	10289482	0.93	cps
Iron	56-2	161972778	163572021	162534894	162693231	0.50	cps
Iron	57-2	4242780	4260782	4275119	4259560	0.38	cps
Iron	54-2	9009367	8816877	8949686	8925310	1.10	cps
Krypton	83-1	747	697	720	721	3.47	cps

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On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-15	Instrumnet Name :	P7
Client Sample ID :	MH2GQ1	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:23:14	DataFile Name :	043SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	13418132	13824800	13697356	13646763	1.52	cps
Lead	207-1	11517102	11774646	11611254	11634334	1.12	cps
Lead	208-1	52931862	54232541	53797988	53654130	1.23	cps
Lithium	6-1	3463165	3332952	3442744	3412954	2.05	cps
Magnesium	24-2	7864446	7916979	7981627	7921017	0.74	cps
Manganese	55-2	9235513	9192254	9128443	9185403	0.59	cps
Molybdenum	94-1	88707	91101	90749	90186	1.43	cps
Molybdenum	95-1	22100	23385	22731	22739	2.83	cps
Molybdenum	96-1	37712	38417	39955	38695	2.96	cps
Molybdenum	97-1	14581	14290	14224	14365	1.32	cps
Molybdenum	98-1	37130	37191	36893	37071	0.42	cps
Neodymium	150-1	415818	429351	428023	424397	1.76	cps
Neodymium	150-2	240462	238543	238798	239268	0.44	cps
Nickel	60-2	449193	444960	444982	446378	0.55	cps
Phosphorus	31-2	107897	107991	107078	107655	0.47	cps
Potassium	39-2	5577865	5667431	5612498	5619265	0.80	cps
Rhodium	103-1	28986637	28027121	28115003	28376254	1.87	cps
Rhodium	103-2	16196105	16253021	16255460	16234862	0.21	cps
Scandium	45-1	17573654	16997987	16820990	17130877	2.30	cps
Scandium	45-2	1421421	1407215	1417783	1415473	0.52	cps
Selenium	82-1	1435	1666	1455	1519	8.44	cps
Selenium	77-2	917	763	893	858	9.63	cps
Selenium	78-2	1283	1297	1257	1279	1.59	cps
Silicon	28-1	107369022	109806208	111070045	109415092	1.72	cps
Silver	107-1	63163	65614	64643	64473	1.91	cps
Silver	109-1	59823	62260	62390	61491	2.35	cps
Sodium	23-2	2355810	2391292	2345272	2364125	1.02	cps
Strontium	86-1	5712877	5806733	5671996	5730536	1.21	cps
Strontium	88-1	49799051	50636998	50386008	50274019	0.86	cps
Sulfur	34-1	943599	961896	961458	955651	1.09	cps
Terbium	159-1	38409895	37014893	36735151	37386646	2.40	cps
Terbium	159-2	23573340	22895171	23298783	23255765	1.47	cps
Thallium	203-1	12269	12743	12392	12468	1.97	cps
Thallium	205-1	28867	29753	29138	29253	1.55	cps
Tin	118-1	46491	47277	46605	46791	0.91	cps
Titanium	47-1	765403	783934	777911	775749	1.22	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4805-15	Instrumnet Name :	P7
Client Sample ID :	MH2GQ1	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:23:14	DataFile Name :	043SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	350009	358314	356353	354892	1.22	cps
Vanadium	51-2	551298	550281	549594	550391	0.16	cps
Yttrium	89-1	46003084	45338926	44578633	45306881	1.57	cps
Yttrium	89-2	11058429	11113807	10997085	11056440	0.53	cps
Zinc	66-2	1358170	1354044	1359311	1357175	0.20	cps
Zirconium	90-1	208723	216326	212444	212498	1.79	cps
Zirconium	91-1	46958	48403	48593	47985	1.86	cps

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On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-01	Instrumnet Name :	P7
Client Sample ID :	MH2GT6	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:26:15	DataFile Name :	044SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4417924	4350692	4404715	4391110	0.81	cps
Antimony	121-1	166916	164020	166917	165951	1.01	cps
Arsenic	75-2	24110	23859	24247	24072	0.82	cps
Barium	135-1	8392090	8413758	8462344	8422731	0.43	cps
Barium	137-1	14459866	14521884	14576865	14519539	0.40	cps
Beryllium	9-1	4534	4551	4795	4627	3.16	cps
Bismuth	209-1	21327617	21207428	20972627	21169224	0.85	cps
Bismuth	209-2	15982388	15735454	15842427	15853423	0.78	cps
Bromine	81-1	51637	53342	55276	53418	3.41	cps
Bromine	81-2	7409	7319	7539	7422	1.49	cps
Cadmium	108-1	4277	4144	3961	4127	3.85	cps
Cadmium	106-1	16750	16850	16489	16696	1.11	cps
Cadmium	111-1	62266	62600	62643	62503	0.33	cps
Calcium	43-1	6878166	6850717	6911922	6880268	0.45	cps
Calcium	44-1	109453718	109904112	111006015	110121282	0.73	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	457453	455992	453235	455560	0.47	cps
Cobalt	59-2	240999	243870	241889	242253	0.61	cps
Copper	63-2	2048903	1980564	2029589	2019685	1.74	cps
Dysprosium	156-1	164902	166146	165435	165494	0.38	cps
Dysprosium	156-2	138845	139474	140367	139562	0.55	cps
Erbium	164-1	132992	133722	136653	134456	1.44	cps
Erbium	164-2	88350	89709	89320	89126	0.79	cps
Gadolinium	160-1	146500	146644	148292	147146	0.68	cps
Gadolinium	160-2	102021	102763	100719	101834	1.02	cps
Holmium	165-1	36343664	36431833	36190648	36322048	0.34	cps
Holmium	165-2	23894002	23630246	23996409	23840219	0.79	cps
Indium	115-1	30826372	30670300	30627607	30708093	0.34	cps
Indium	115-2	10373341	10390515	10500537	10421464	0.66	cps
Iron	56-2	107793772	108527968	106895382	107739041	0.76	cps
Iron	57-2	2747822	2812164	2773399	2777795	1.17	cps
Iron	54-2	5879581	5917233	5903633	5900149	0.32	cps
Krypton	83-1	480	537	493	503	5.89	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-01	Instrumnet Name :	P7
Client Sample ID :	MH2GT6	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:26:15	DataFile Name :	044SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	120427468	122079152	121309238	121271953	0.68	cps
Lead	207-1	97688532	100131862	99328959	99049784	1.26	cps
Lead	208-1	459796410	464237123	465427046	463153526	0.64	cps
Lithium	6-1	3443350	3380484	3357594	3393809	1.31	cps
Magnesium	24-2	6752797	6670698	6668226	6697240	0.72	cps
Manganese	55-2	5756051	5904754	5830573	5830459	1.28	cps
Molybdenum	94-1	56713	57415	57760	57296	0.93	cps
Molybdenum	95-1	32583	33702	33622	33302	1.87	cps
Molybdenum	96-1	42421	43123	42435	42660	0.94	cps
Molybdenum	97-1	20922	20928	20975	20942	0.14	cps
Molybdenum	98-1	52450	53916	54120	53495	1.70	cps
Neodymium	150-1	279834	284530	283833	282732	0.90	cps
Neodymium	150-2	158806	159635	158614	159019	0.34	cps
Nickel	60-2	78846	78658	78524	78676	0.21	cps
Phosphorus	31-2	81056	83332	81066	81818	1.60	cps
Potassium	39-2	8645584	8789327	8652805	8695906	0.93	cps
Rhodium	103-1	28568753	29011780	28732499	28771011	0.78	cps
Rhodium	103-2	16660083	16768370	16947838	16792097	0.87	cps
Scandium	45-1	16785184	16906335	16930776	16874098	0.46	cps
Scandium	45-2	1452402	1432767	1453123	1446097	0.80	cps
Selenium	82-1	1311	1357	1459	1376	5.47	cps
Selenium	77-2	550	520	590	553	6.35	cps
Selenium	78-2	1117	990	1170	1092	8.47	cps
Silicon	28-1	75004049	74728282	75465114	75065815	0.50	cps
Silver	107-1	45297	46554	46625	46159	1.62	cps
Silver	109-1	41900	43569	44424	43298	2.96	cps
Sodium	23-2	42603691	42496978	42438709	42513126	0.20	cps
Strontium	86-1	3879034	3881450	3927413	3895966	0.70	cps
Strontium	88-1	33686431	34021916	34087671	33932006	0.63	cps
Sulfur	34-1	1514386	1481222	1504030	1499879	1.13	cps
Terbium	159-1	37344785	37324132	37185857	37284925	0.23	cps
Terbium	159-2	23896624	23793050	23598576	23762750	0.64	cps
Thallium	203-1	7059	7212	6728	7000	3.53	cps
Thallium	205-1	16393	16670	15919	16328	2.33	cps
Tin	118-1	387142	388023	391039	388734	0.53	cps
Titanium	47-1	212977	214332	213982	213764	0.33	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-01	Instrumnet Name :	P7
Client Sample ID :	MH2GT6	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:26:15	DataFile Name :	044SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	320126	320724	325816	322222	0.97	cps
Vanadium	51-2	119330	119650	120281	119754	0.40	cps
Yttrium	89-1	42749909	43425496	43306684	43160697	0.84	cps
Yttrium	89-2	10688308	10715630	10789592	10731177	0.49	cps
Zinc	66-2	3626345	3573013	3662353	3620570	1.24	cps
Zirconium	90-1	104897	105741	107363	106000	1.18	cps
Zirconium	91-1	22754	23252	24090	23365	2.89	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	CCV002	Instrumnet Name :	P7
Client Sample ID :	CCV002	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:29:12	DataFile Name :	045CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	27409942	27210944	27000710	27207199	0.75	cps
Antimony	121-1	12287548	12935054	12863556	12695386	2.80	cps
Arsenic	75-2	684764	686042	682543	684449	0.26	cps
Barium	135-1	14683122	15376952	15433222	15164432	2.75	cps
Barium	137-1	25473206	26396613	26285233	26051684	1.93	cps
Beryllium	9-1	1178792	1234359	1251447	1221533	3.11	cps
Bismuth	209-1	19602427	18860250	18593607	19018761	2.75	cps
Bismuth	209-2	13706492	13878357	13791759	13792202	0.62	cps
Bromine	81-1	18619	18889	18842	18783	0.77	cps
Bromine	81-2	267	327	307	300	10.18	cps
Cadmium	108-1	236482	249720	249630	245277	3.11	cps
Cadmium	106-1	341884	356963	356609	351819	2.45	cps
Cadmium	111-1	3311836	3453492	3500340	3421889	2.87	cps
Calcium	43-1	15523826	16260430	16378180	16054145	2.88	cps
Calcium	44-1	249703176	263138209	264735156	259192181	3.19	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	5108158	5185927	5202879	5165654	0.98	cps
Cobalt	59-2	8328398	8295437	8344936	8322924	0.30	cps
Copper	63-2	62661446	62821322	62286466	62589745	0.44	cps
Dysprosium	156-1	653	657	670	660	1.34	cps
Dysprosium	156-2	997	1050	1053	1033	3.08	cps
Erbium	164-1	710	650	750	703	7.16	cps
Erbium	164-2	487	497	460	481	3.94	cps
Gadolinium	160-1	607	637	557	600	6.74	cps
Gadolinium	160-2	1503	1517	1553	1525	1.70	cps
Holmium	165-1	35660506	34831266	34704746	35065506	1.48	cps
Holmium	165-2	22394660	22377216	22403447	22391774	0.06	cps
Indium	115-1	29131871	28058119	27756858	28315616	2.55	cps
Indium	115-2	9616971	9527283	9582730	9575661	0.47	cps
Iron	56-2	1166588543	1160550969	1163420116	1163519876	0.26	cps
Iron	57-2	29479002	29119525	29023001	29207176	0.82	cps
Iron	54-2	63011269	63926519	64199136	63712308	0.98	cps
Krypton	83-1	327	353	337	339	3.98	cps

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On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	CCV002	Instrumnet Name :	P7
Client Sample ID :	CCV002	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:29:12	DataFile Name :	045CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	42291572	43835024	43499458	43208685	1.88	cps
Lead	207-1	36603638	38379619	37863924	37615727	2.43	cps
Lead	208-1	166245262	174181628	172548590	170991827	2.45	cps
Lithium	6-1	3208865	3150500	3147762	3169043	1.09	cps
Magnesium	24-2	234480430	234373730	230029143	232961101	1.09	cps
Manganese	55-2	39040463	39204170	39326933	39190522	0.37	cps
Molybdenum	94-1	43539633	45669853	46199271	45136252	3.12	cps
Molybdenum	95-1	63326809	66761316	67151784	65746636	3.20	cps
Molybdenum	96-1	69657927	73353364	73373826	72128372	2.97	cps
Molybdenum	97-1	39330489	41453772	41419867	40734709	2.99	cps
Molybdenum	98-1	102001472	106251348	106127225	104793348	2.31	cps
Neodymium	150-1	850	990	970	937	8.08	cps
Neodymium	150-2	217	290	287	264	15.66	cps
Nickel	60-2	2129117	2120877	2112676	2120890	0.39	cps
Phosphorus	31-2	257507	260325	254934	257589	1.05	cps
Potassium	39-2	136641455	138327905	134067181	136345514	1.57	cps
Rhodium	103-1	26888747	25748585	25376596	26004643	3.03	cps
Rhodium	103-2	15098349	15053329	14980851	15044176	0.39	cps
Scandium	45-1	16625789	15958681	15941667	16175379	2.41	cps
Scandium	45-2	1363821	1397426	1373638	1378295	1.25	cps
Selenium	82-1	191456	200883	201408	197916	2.83	cps
Selenium	77-2	20194	20017	20227	20146	0.56	cps
Selenium	78-2	66592	67593	65738	66641	1.39	cps
Silicon	28-1	21180215	21906516	22311581	21799438	2.63	cps
Silver	107-1	16202115	16964800	16731356	16632757	2.35	cps
Silver	109-1	15506586	16185837	16302945	15998456	2.69	cps
Sodium	23-2	366700595	364030928	361376621	364036048	0.73	cps
Strontium	86-1	3903056	4116853	4140791	4053567	3.23	cps
Strontium	88-1	33961356	35892430	35706776	35186854	3.03	cps
Sulfur	34-1	1290745	1313041	1321811	1308532	1.22	cps
Terbium	159-1	36404284	35612890	35009699	35675625	1.96	cps
Terbium	159-2	22154061	22382634	22139961	22225552	0.61	cps
Thallium	203-1	10558448	11164064	11121960	10948157	3.09	cps
Thallium	205-1	25345365	26430268	26347413	26041015	2.32	cps
Tin	118-1	9990904	10411176	10479633	10293905	2.57	cps
Titanium	47-1	14904708	15766391	15620588	15430562	2.99	cps

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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	CCV002	Instrumnet Name :	P7
Client Sample ID :	CCV002	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:29:12	DataFile Name :	045CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	31883245	32971719	33239891	32698285	2.20	cps
Vanadium	51-2	4603819	4588977	4571014	4587937	0.36	cps
Yttrium	89-1	40511301	39519489	38545377	39525389	2.49	cps
Yttrium	89-2	9887147	9864422	9753177	9834915	0.73	cps
Zinc	66-2	10079565	10097853	9918243	10031887	0.99	cps
Zirconium	90-1	21245476	22611462	22287456	22048131	3.24	cps
Zirconium	91-1	4731174	4983167	5007691	4907344	3.12	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	CCB002	Instrumnet Name :	P7
Client Sample ID :	CCB002	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:31:52	DataFile Name :	046CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	643	547	433	541	19.43	cps
Antimony	121-1	4454	5004	6492	5317	19.83	cps
Arsenic	75-2	33	40	7	27	66.13	cps
Barium	135-1	1363	893	493	917	47.51	cps
Barium	137-1	2570	1473	1030	1691	46.88	cps
Beryllium	9-1	178	239	117	178	34.38	cps
Bismuth	209-1	20202333	20446791	20376030	20341718	0.62	cps
Bismuth	209-2	15450704	15335801	15450329	15412278	0.43	cps
Bromine	81-1	16603	16666	16713	16661	0.33	cps
Bromine	81-2	197	190	193	193	1.72	cps
Cadmium	108-1	50	30	37	39	26.18	cps
Cadmium	106-1	10674	10290	9930	10298	3.61	cps
Cadmium	111-1	7900	7469	7105	7491	5.31	cps
Calcium	43-1	1930	1357	1037	1441	31.41	cps
Calcium	44-1	52855	42917	37346	44373	17.71	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4431	4274	4291	4332	1.99	cps
Cobalt	59-2	373	337	310	340	9.35	cps
Copper	63-2	2760	2720	2490	2657	5.49	cps
Dysprosium	156-1	27	40	27	31	24.74	cps
Dysprosium	156-2	10	17	20	16	32.73	cps
Erbium	164-1	123	157	130	137	12.91	cps
Erbium	164-2	63	100	73	79	24.03	cps
Gadolinium	160-1	140	133	180	151	16.70	cps
Gadolinium	160-2	1150	1183	1180	1171	1.57	cps
Holmium	165-1	34076790	34051340	34140557	34089563	0.13	cps
Holmium	165-2	22515766	22627648	22564682	22569365	0.25	cps
Indium	115-1	29132430	29482381	29628655	29414489	0.87	cps
Indium	115-2	10174621	10115068	10016132	10101940	0.79	cps
Iron	56-2	44439	39913	36648	40333	9.70	cps
Iron	57-2	2104	1743	1830	1892	9.93	cps
Iron	54-2	4991	4517	4397	4635	6.77	cps
Krypton	83-1	310	303	333	316	4.99	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	CCB002	Instrumnet Name :	P7
Client Sample ID :	CCB002	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:31:52	DataFile Name :	046CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	5591	4244	3257	4364	26.85	cps
Lead	207-1	5014	3614	2880	3836	28.26	cps
Lead	208-1	22811	16678	12642	17377	29.47	cps
Lithium	6-1	3312401	3431867	3367432	3370567	1.77	cps
Magnesium	24-2	4704	3767	3380	3951	17.23	cps
Manganese	55-2	1077	810	817	901	16.88	cps
Molybdenum	94-1	5414	4177	3777	4456	19.15	cps
Molybdenum	95-1	6755	4607	3837	5067	29.84	cps
Molybdenum	96-1	7595	4964	4507	5689	29.30	cps
Molybdenum	97-1	4294	3027	2580	3300	26.94	cps
Molybdenum	98-1	10898	7405	6085	8129	30.59	cps
Neodymium	150-1	43	20	7	23	79.53	cps
Neodymium	150-2	3	7	7	6	34.70	cps
Nickel	60-2	223	227	190	213	9.51	cps
Phosphorus	31-2	490	547	520	519	5.46	cps
Potassium	39-2	88026	87848	87449	87774	0.34	cps
Rhodium	103-1	28094599	27890952	27656780	27880777	0.79	cps
Rhodium	103-2	16651871	16312674	16309534	16424693	1.20	cps
Scandium	45-1	15755562	15945017	15913121	15871233	0.64	cps
Scandium	45-2	1364366	1353337	1394595	1370766	1.56	cps
Selenium	82-1	549	523	521	531	2.99	cps
Selenium	77-2	3	0	0	1	173.21	cps
Selenium	78-2	503	490	450	481	5.77	cps
Silicon	28-1	1326476	1312522	1295493	1311497	1.18	cps
Silver	107-1	2367	1670	1233	1757	32.54	cps
Silver	109-1	2200	1467	1107	1591	35.02	cps
Sodium	23-2	59166	58584	56323	58024	2.59	cps
Strontium	86-1	853	797	603	751	17.45	cps
Strontium	88-1	3327	2160	1397	2295	42.37	cps
Sulfur	34-1	299510	299655	299248	299471	0.07	cps
Terbium	159-1	35026559	35079659	34985943	35030720	0.13	cps
Terbium	159-2	22583023	22558876	22494921	22545606	0.20	cps
Thallium	203-1	1663	1100	957	1240	30.13	cps
Thallium	205-1	4011	2827	2067	2968	33.00	cps
Tin	118-1	4774	4728	4494	4665	3.22	cps
Titanium	47-1	1637	1133	810	1193	34.91	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	CCB002	Instrumnet Name :	P7
Client Sample ID :	CCB002	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:31:52	DataFile Name :	046CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	2907	1823	1223	1985	43.00	cps
Vanadium	51-2	90	70	60	73	20.83	cps
Yttrium	89-1	38849136	39096990	38578959	38841695	0.67	cps
Yttrium	89-2	9847223	9777988	9740771	9788661	0.55	cps
Zinc	66-2	737	820	740	766	6.16	cps
Zirconium	90-1	4531	4027	3954	4171	7.53	cps
Zirconium	91-1	960	807	883	883	8.68	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-02	Instrumnet Name :	P7
Client Sample ID :	MH2GT7	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:35:07	DataFile Name :	047SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3414005	3349034	3350477	3371172	1.10	cps
Antimony	121-1	90415	90586	90962	90654	0.31	cps
Arsenic	75-2	32085	32329	32005	32139	0.53	cps
Barium	135-1	5777877	5875309	5761221	5804802	1.06	cps
Barium	137-1	9981485	10061284	9996189	10012986	0.42	cps
Beryllium	9-1	1639	1756	1783	1726	4.44	cps
Bismuth	209-1	20898162	20987694	20659552	20848469	0.81	cps
Bismuth	209-2	15618386	15771354	15628875	15672872	0.55	cps
Bromine	81-1	40673	41956	41518	41382	1.58	cps
Bromine	81-2	5031	5098	4841	4990	2.67	cps
Cadmium	108-1	5434	5294	5164	5298	2.55	cps
Cadmium	106-1	19517	18702	18669	18962	2.53	cps
Cadmium	111-1	79038	79032	79277	79116	0.18	cps
Calcium	43-1	6974113	7033764	6961010	6989629	0.55	cps
Calcium	44-1	111930805	112161382	111087848	111726678	0.51	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	775724	765809	761222	767585	0.97	cps
Cobalt	59-2	170318	170328	168080	169576	0.76	cps
Copper	63-2	3296987	3313923	3316728	3309212	0.32	cps
Dysprosium	156-1	75551	75401	76446	75800	0.75	cps
Dysprosium	156-2	66014	67056	66580	66550	0.78	cps
Erbium	164-1	59613	59660	59178	59484	0.45	cps
Erbium	164-2	39476	39305	38810	39197	0.88	cps
Gadolinium	160-1	64159	64002	63724	63962	0.34	cps
Gadolinium	160-2	45664	45310	45122	45365	0.61	cps
Holmium	165-1	35527941	35937888	35589798	35685209	0.62	cps
Holmium	165-2	23646184	23594904	23418686	23553258	0.51	cps
Indium	115-1	30044361	30001838	29853801	29966666	0.33	cps
Indium	115-2	10263926	10369151	10406200	10346425	0.71	cps
Iron	56-2	104738565	104333765	103673622	104248651	0.52	cps
Iron	57-2	2740600	2743145	2711435	2731726	0.64	cps
Iron	54-2	5737233	5647218	5726264	5703572	0.86	cps
Krypton	83-1	440	453	407	433	5.55	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-02	Instrumnet Name :	P7
Client Sample ID :	MH2GT7	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:35:07	DataFile Name :	047SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	65069882	64512146	64742634	64774887	0.43	cps
Lead	207-1	51744551	51763708	51634526	51714261	0.13	cps
Lead	208-1	245930365	245962575	244589258	245494066	0.32	cps
Lithium	6-1	3479009	3527677	3503997	3503561	0.69	cps
Magnesium	24-2	5324321	5256536	5254103	5278320	0.76	cps
Manganese	55-2	7318516	7248715	7235219	7267483	0.62	cps
Molybdenum	94-1	199839	204862	198967	201223	1.58	cps
Molybdenum	95-1	21920	21666	21830	21805	0.59	cps
Molybdenum	96-1	56878	56184	56599	56554	0.62	cps
Molybdenum	97-1	13460	13460	13513	13477	0.23	cps
Molybdenum	98-1	33923	34775	35085	34594	1.74	cps
Neodymium	150-1	120278	122342	120724	121115	0.90	cps
Neodymium	150-2	68258	68666	68114	68346	0.42	cps
Nickel	60-2	112535	111004	110490	111343	0.96	cps
Phosphorus	31-2	66534	66477	65687	66233	0.71	cps
Potassium	39-2	6948957	6980945	7055665	6995189	0.78	cps
Rhodium	103-1	27957379	28401634	28007539	28122184	0.87	cps
Rhodium	103-2	16604764	16647626	16572937	16608442	0.23	cps
Scandium	45-1	16385449	16499705	16348466	16411207	0.48	cps
Scandium	45-2	1437160	1400427	1420959	1419515	1.30	cps
Selenium	82-1	1286	1181	1182	1217	4.95	cps
Selenium	77-2	267	223	263	251	9.60	cps
Selenium	78-2	810	990	847	882	10.78	cps
Silicon	28-1	64167609	65424547	64815661	64802606	0.97	cps
Silver	107-1	79389	81497	81343	80743	1.46	cps
Silver	109-1	75083	76202	76413	75899	0.94	cps
Sodium	23-2	25498142	24833027	24738548	25023239	1.65	cps
Strontium	86-1	3603639	3555696	3590303	3583213	0.69	cps
Strontium	88-1	30907500	31160903	31048629	31039011	0.41	cps
Sulfur	34-1	2481646	2516553	2544704	2514301	1.26	cps
Terbium	159-1	36471372	36905046	36729594	36702004	0.59	cps
Terbium	159-2	23284438	23648016	23575856	23502770	0.82	cps
Thallium	203-1	6412	6452	6502	6455	0.70	cps
Thallium	205-1	15536	15108	15082	15242	1.67	cps
Tin	118-1	325832	328661	322313	325602	0.98	cps
Titanium	47-1	380842	382695	380925	381487	0.27	cps

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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-02	Instrumnet Name :	P7
Client Sample ID :	MH2GT7	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:35:07	DataFile Name :	047SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	111386	112479	112482	112115	0.56	cps
Vanadium	51-2	135257	134294	134970	134840	0.37	cps
Yttrium	89-1	41030557	41397348	40998369	41142091	0.54	cps
Yttrium	89-2	10469585	10508122	10420205	10465971	0.42	cps
Zinc	66-2	4473745	4481263	4415785	4456931	0.80	cps
Zirconium	90-1	509850	512594	526926	516457	1.78	cps
Zirconium	91-1	113947	114814	118393	115718	2.04	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-03	Instrumnet Name :	P7
Client Sample ID :	MH2GT8	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:38:02	DataFile Name :	048SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6159626	6228614	6255142	6214461	0.79	cps
Antimony	121-1	173227	176368	175068	174887	0.90	cps
Arsenic	75-2	17120	16626	17203	16983	1.84	cps
Barium	135-1	5236182	5272424	5332306	5280304	0.92	cps
Barium	137-1	8967079	9072599	9166216	9068631	1.10	cps
Beryllium	9-1	2545	2661	2622	2610	2.28	cps
Bismuth	209-1	20968921	20621882	20664068	20751624	0.91	cps
Bismuth	209-2	15299192	15260191	15418071	15325818	0.54	cps
Bromine	81-1	54316	56092	56394	55601	2.02	cps
Bromine	81-2	7472	7962	7852	7762	3.31	cps
Cadmium	108-1	26217	26838	27172	26742	1.81	cps
Cadmium	106-1	47420	47688	47979	47696	0.59	cps
Cadmium	111-1	395881	401295	401683	399619	0.81	cps
Calcium	43-1	4825193	4969593	4903809	4899532	1.48	cps
Calcium	44-1	78402729	79048072	78265376	78572059	0.53	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	646716	650986	640393	646032	0.82	cps
Cobalt	59-2	176374	179169	176143	177229	0.95	cps
Copper	63-2	3036167	2975183	2993478	3001609	1.04	cps
Dysprosium	156-1	153530	154027	154994	154184	0.48	cps
Dysprosium	156-2	156713	158443	158523	157893	0.65	cps
Erbium	164-1	86506	88320	87149	87325	1.05	cps
Erbium	164-2	58418	57414	57380	57737	1.02	cps
Gadolinium	160-1	95482	96707	96607	96265	0.71	cps
Gadolinium	160-2	67210	68302	67270	67594	0.91	cps
Holmium	165-1	35541113	35250169	35723411	35504898	0.67	cps
Holmium	165-2	23100676	22899332	22999510	22999839	0.44	cps
Indium	115-1	29976667	29748840	29763766	29829757	0.43	cps
Indium	115-2	10130377	9928590	10092916	10050628	1.07	cps
Iron	56-2	188254184	187892177	185889071	187345144	0.68	cps
Iron	57-2	4657380	4690717	4650066	4666054	0.46	cps
Iron	54-2	10130352	10179855	10177893	10162700	0.28	cps
Krypton	83-1	537	410	393	447	17.55	cps

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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-03	Instrumnet Name :	P7
Client Sample ID :	MH2GT8	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:38:02	DataFile Name :	048SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	9033176	9169979	9078798	9093984	0.77	cps
Lead	207-1	7577780	7603008	7590247	7590345	0.17	cps
Lead	208-1	34957535	35248868	35080379	35095594	0.42	cps
Lithium	6-1	3442495	3362594	3301319	3368803	2.10	cps
Magnesium	24-2	8781602	8940256	8909220	8877026	0.95	cps
Manganese	55-2	7641645	7721970	7627669	7663761	0.66	cps
Molybdenum	94-1	212172	215712	218096	215327	1.38	cps
Molybdenum	95-1	33198	32997	32820	33005	0.57	cps
Molybdenum	96-1	69310	70810	69789	69970	1.10	cps
Molybdenum	97-1	20688	21155	20521	20788	1.58	cps
Molybdenum	98-1	53073	52992	54163	53409	1.22	cps
Neodymium	150-1	184737	188279	188860	187292	1.19	cps
Neodymium	150-2	106623	107536	104403	106187	1.52	cps
Nickel	60-2	197915	197263	197888	197688	0.19	cps
Phosphorus	31-2	99910	99434	98578	99307	0.68	cps
Potassium	39-2	18513821	18125823	18371563	18337069	1.07	cps
Rhodium	103-1	28069108	27638428	27886830	27864788	0.78	cps
Rhodium	103-2	16489528	16126645	16180121	16265431	1.20	cps
Scandium	45-1	16556490	16211017	16253577	16340361	1.15	cps
Scandium	45-2	1417135	1380214	1411314	1402888	1.41	cps
Selenium	82-1	1068	1258	1293	1207	10.02	cps
Selenium	77-2	403	410	457	423	6.86	cps
Selenium	78-2	1157	1170	1180	1169	1.00	cps
Silicon	28-1	113493675	118655968	116092978	116080874	2.22	cps
Silver	107-1	74999	75907	75927	75611	0.70	cps
Silver	109-1	69810	70045	72520	70792	2.12	cps
Sodium	23-2	39266581	39806567	39836356	39636501	0.81	cps
Strontium	86-1	3065212	3170072	3102972	3112752	1.71	cps
Strontium	88-1	26862175	27375743	27451631	27229850	1.18	cps
Sulfur	34-1	1183457	1209152	1196924	1196511	1.07	cps
Terbium	159-1	36842594	36349961	36175298	36455951	0.95	cps
Terbium	159-2	22555909	23019212	23132005	22902375	1.33	cps
Thallium	203-1	6538	6382	6445	6455	1.22	cps
Thallium	205-1	16113	16076	16240	16143	0.53	cps
Tin	118-1	735309	741011	752090	742803	1.15	cps
Titanium	47-1	720607	728742	732791	727380	0.85	cps

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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-03	Instrumnet Name :	P7
Client Sample ID :	MH2GT8	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:38:02	DataFile Name :	048SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	168355	168420	169011	168596	0.21	cps
Vanadium	51-2	242214	241676	243865	242585	0.47	cps
Yttrium	89-1	41673911	41322423	41606693	41534342	0.45	cps
Yttrium	89-2	10523756	10380999	10274384	10393047	1.20	cps
Zinc	66-2	6404791	6289920	6375510	6356740	0.94	cps
Zirconium	90-1	532638	541810	545149	539866	1.20	cps
Zirconium	91-1	118618	121222	120641	120160	1.14	cps

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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-04	Instrumnet Name :	P7
Client Sample ID :	MH2GT9	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:41:00	DataFile Name :	049SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3015652	3026832	3040082	3027522	0.40	cps
Antimony	121-1	142747	143619	142878	143081	0.33	cps
Arsenic	75-2	13883	13907	13863	13884	0.16	cps
Barium	135-1	1715327	1724732	1763690	1734583	1.48	cps
Barium	137-1	3008323	2974974	2983597	2988965	0.58	cps
Beryllium	9-1	794	994	1006	932	12.75	cps
Bismuth	209-1	20763486	20096878	20222478	20360948	1.74	cps
Bismuth	209-2	15162104	15194362	15072571	15143012	0.42	cps
Bromine	81-1	30552	31614	31861	31342	2.22	cps
Bromine	81-2	2954	2964	3237	3051	5.27	cps
Cadmium	108-1	7002	7028	6972	7001	0.41	cps
Cadmium	106-1	20087	19890	19186	19721	2.40	cps
Cadmium	111-1	98634	99195	98842	98890	0.29	cps
Calcium	43-1	5712222	5723366	5814856	5750148	0.98	cps
Calcium	44-1	92099279	92124522	91852532	92025444	0.16	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	232547	233511	231022	232360	0.54	cps
Cobalt	59-2	71794	71241	71663	71566	0.40	cps
Copper	63-2	62446819	61321324	61921051	61896398	0.91	cps
Dysprosium	156-1	78682	79765	78914	79120	0.72	cps
Dysprosium	156-2	65569	66302	66299	66057	0.64	cps
Erbium	164-1	61816	61729	62215	61920	0.42	cps
Erbium	164-2	41120	40592	41084	40932	0.72	cps
Gadolinium	160-1	71766	72654	73166	72529	0.98	cps
Gadolinium	160-2	50721	51233	52019	51325	1.27	cps
Holmium	165-1	34986248	34664427	34965525	34872067	0.52	cps
Holmium	165-2	22742884	22938660	22646539	22776028	0.65	cps
Indium	115-1	29525951	29335570	29517647	29459723	0.37	cps
Indium	115-2	10196293	10074461	9961145	10077300	1.17	cps
Iron	56-2	84787587	84206562	84348507	84447552	0.36	cps
Iron	57-2	2177934	2190646	2166602	2178394	0.55	cps
Iron	54-2	4642064	4613175	4608915	4621385	0.39	cps
Krypton	83-1	340	430	353	374	12.97	cps

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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-04	Instrumnet Name :	P7
Client Sample ID :	MH2GT9	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:41:00	DataFile Name :	049SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	23229654	23126086	22835290	23063677	0.89	cps
Lead	207-1	19694278	19749057	19734890	19726075	0.14	cps
Lead	208-1	90606525	90808588	90756112	90723742	0.12	cps
Lithium	6-1	3216256	3242857	3146291	3201801	1.56	cps
Magnesium	24-2	5981256	5808222	5854028	5881169	1.52	cps
Manganese	55-2	2342397	2335448	2339705	2339183	0.15	cps
Molybdenum	94-1	131094	132567	129926	131196	1.01	cps
Molybdenum	95-1	95844	97713	97153	96903	0.99	cps
Molybdenum	96-1	117316	117789	116970	117358	0.35	cps
Molybdenum	97-1	60722	61629	60806	61052	0.82	cps
Molybdenum	98-1	155615	156750	158267	156877	0.85	cps
Neodymium	150-1	137927	138677	138845	138483	0.35	cps
Neodymium	150-2	78624	77947	78477	78349	0.45	cps
Nickel	60-2	135357	133386	132923	133889	0.97	cps
Phosphorus	31-2	48152	48129	48463	48248	0.39	cps
Potassium	39-2	4052879	4000227	4062219	4038442	0.83	cps
Rhodium	103-1	27733381	27446610	27349234	27509742	0.73	cps
Rhodium	103-2	16153172	16149137	15960634	16087648	0.68	cps
Scandium	45-1	16214422	16003427	16048539	16088796	0.69	cps
Scandium	45-2	1345785	1377673	1368643	1364034	1.20	cps
Selenium	82-1	2822	2623	2659	2702	3.92	cps
Selenium	77-2	403	427	460	430	6.62	cps
Selenium	78-2	1270	1583	1493	1449	11.14	cps
Silicon	28-1	58155172	57049076	57603759	57602669	0.96	cps
Silver	107-1	76470	76969	76996	76812	0.39	cps
Silver	109-1	72503	73739	73066	73103	0.85	cps
Sodium	23-2	35347631	35296731	34660245	35101536	1.09	cps
Strontium	86-1	4589388	4581705	4627920	4599671	0.54	cps
Strontium	88-1	40289373	39948519	40261696	40166529	0.47	cps
Sulfur	34-1	3653138	3650505	3619883	3641175	0.51	cps
Terbium	159-1	35911969	36006945	35780534	35899816	0.32	cps
Terbium	159-2	22704998	22775036	22710105	22730046	0.17	cps
Thallium	203-1	3874	3884	3697	3818	2.75	cps
Thallium	205-1	9146	9213	8910	9090	1.75	cps
Tin	118-1	972156	997667	966930	978918	1.68	cps
Titanium	47-1	448180	453698	453740	451873	0.71	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-04	Instrumnet Name :	P7
Client Sample ID :	MH2GT9	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:41:00	DataFile Name :	049SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	168341	169290	170045	169226	0.50	cps
Vanadium	51-2	280361	282622	281766	281583	0.41	cps
Yttrium	89-1	40730386	39950056	40306582	40329008	0.97	cps
Yttrium	89-2	10241683	10310721	10053867	10202090	1.30	cps
Zinc	66-2	8393935	8381978	8363329	8379747	0.18	cps
Zirconium	90-1	207893	209087	209474	208818	0.39	cps
Zirconium	91-1	45684	46487	45892	46021	0.91	cps

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-05	Instrumnet Name :	P7
Client Sample ID :	MH2GT9D	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:43:55	DataFile Name :	050SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3097550	3030985	3130547	3086361	1.64	cps
Antimony	121-1	145157	146157	146985	146100	0.63	cps
Arsenic	75-2	14110	13973	14060	14048	0.49	cps
Barium	135-1	1806018	1794725	1790533	1797092	0.45	cps
Barium	137-1	3104447	3111024	3103231	3106234	0.13	cps
Beryllium	9-1	1000	917	961	959	4.35	cps
Bismuth	209-1	20599093	20760116	20516927	20625379	0.60	cps
Bismuth	209-2	15393866	14968844	15196651	15186454	1.40	cps
Bromine	81-1	31276	31721	32362	31786	1.72	cps
Bromine	81-2	3167	3037	3044	3083	2.38	cps
Cadmium	108-1	7785	8319	8089	8065	3.32	cps
Cadmium	106-1	21342	21816	21536	21565	1.11	cps
Cadmium	111-1	114672	114986	114924	114861	0.14	cps
Calcium	43-1	5897106	5915045	5909710	5907287	0.16	cps
Calcium	44-1	93048885	94888029	95245852	94394255	1.25	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	236100	236215	233422	235246	0.67	cps
Cobalt	59-2	74678	73897	74138	74238	0.54	cps
Copper	63-2	54241016	54039976	53991646	54090879	0.24	cps
Dysprosium	156-1	83030	83818	83530	83459	0.48	cps
Dysprosium	156-2	69287	69588	70271	69715	0.72	cps
Erbium	164-1	64739	65221	65114	65025	0.39	cps
Erbium	164-2	42996	43200	42240	42812	1.18	cps
Gadolinium	160-1	75596	75271	75800	75555	0.35	cps
Gadolinium	160-2	52742	53783	53953	53493	1.23	cps
Holmium	165-1	34931649	35507429	35249849	35229642	0.82	cps
Holmium	165-2	23127174	22879832	22874322	22960443	0.63	cps
Indium	115-1	29472823	30056776	29475932	29668510	1.13	cps
Indium	115-2	10111216	9973571	10143943	10076243	0.90	cps
Iron	56-2	86792769	87042112	86207305	86680729	0.49	cps
Iron	57-2	2292264	2266933	2278571	2279256	0.56	cps
Iron	54-2	4775787	4783028	4710873	4756562	0.84	cps
Krypton	83-1	393	393	387	391	0.98	cps

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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-05	Instrumnet Name :	P7
Client Sample ID :	MH2GT9D	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:43:55	DataFile Name :	050SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	27794736	27870313	28265637	27976895	0.90	cps
Lead	207-1	23630493	23667621	23819826	23705980	0.42	cps
Lead	208-1	108392913	108975078	110212636	109193543	0.85	cps
Lithium	6-1	3253193	3193118	3140641	3195651	1.76	cps
Magnesium	24-2	6032853	5979018	6049509	6020460	0.61	cps
Manganese	55-2	2401937	2427691	2377283	2402304	1.05	cps
Molybdenum	94-1	136152	138605	139234	137997	1.18	cps
Molybdenum	95-1	99663	100106	100891	100220	0.62	cps
Molybdenum	96-1	121778	123029	121926	122244	0.56	cps
Molybdenum	97-1	62670	63102	63474	63082	0.64	cps
Molybdenum	98-1	160174	160716	163645	161512	1.16	cps
Neodymium	150-1	145125	146711	147004	146280	0.69	cps
Neodymium	150-2	82063	82171	82375	82203	0.19	cps
Nickel	60-2	133131	132025	132008	132388	0.49	cps
Phosphorus	31-2	49018	48654	49941	49204	1.35	cps
Potassium	39-2	4094018	4230459	4250570	4191682	2.03	cps
Rhodium	103-1	27873900	27790016	27538860	27734259	0.63	cps
Rhodium	103-2	16406294	16159594	16135311	16233733	0.92	cps
Scandium	45-1	16106753	16227049	16161169	16164990	0.37	cps
Scandium	45-2	1387449	1363282	1372043	1374258	0.89	cps
Selenium	82-1	2670	2784	2835	2763	3.05	cps
Selenium	77-2	517	540	520	526	2.40	cps
Selenium	78-2	1340	1440	1377	1386	3.65	cps
Silicon	28-1	56793186	57278154	57748724	57273355	0.83	cps
Silver	107-1	75404	75974	76976	76118	1.05	cps
Silver	109-1	71957	71354	72828	72047	1.03	cps
Sodium	23-2	35909838	35362908	35527009	35599918	0.79	cps
Strontium	86-1	4709984	4704163	4688797	4700981	0.23	cps
Strontium	88-1	40581008	41161587	41332571	41025055	0.96	cps
Sulfur	34-1	3643696	3693256	3769625	3702192	1.71	cps
Terbium	159-1	35992560	35552708	35949636	35831635	0.68	cps
Terbium	159-2	23153485	22716715	22955634	22941945	0.95	cps
Thallium	203-1	3987	3704	3861	3851	3.69	cps
Thallium	205-1	8950	9157	9096	9068	1.17	cps
Tin	118-1	2320682	2363501	2338133	2340772	0.92	cps
Titanium	47-1	456631	461169	457331	458377	0.53	cps

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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-05	Instrumnet Name :	P7
Client Sample ID :	MH2GT9D	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:43:55	DataFile Name :	050SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	171319	171863	170987	171390	0.26	cps
Vanadium	51-2	280900	281859	282422	281727	0.27	cps
Yttrium	89-1	40898704	40553768	40656565	40703012	0.44	cps
Yttrium	89-2	10313052	10118553	10163253	10198286	1.00	cps
Zinc	66-2	8482312	8395070	8506053	8461145	0.69	cps
Zirconium	90-1	220227	221969	220535	220910	0.42	cps
Zirconium	91-1	48430	49827	48998	49085	1.43	cps

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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-04LX5	Instrumnet Name :	P7
Client Sample ID :	MH2GT9L	Dilution Factor :	5
Date & Time Acquired :	2024-11-18 07:46:51	DataFile Name :	051SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	590181	594514	590166	591620	0.42	cps
Antimony	121-1	29256	28946	29667	29290	1.24	cps
Arsenic	75-2	2760	2800	2810	2790	0.95	cps
Barium	135-1	340803	344040	344033	342959	0.54	cps
Barium	137-1	589674	596722	593324	593240	0.59	cps
Beryllium	9-1	233	189	356	259	33.29	cps
Bismuth	209-1	20586439	20383772	20487187	20485799	0.49	cps
Bismuth	209-2	15275799	15248182	15308703	15277561	0.20	cps
Bromine	81-1	19877	19763	19510	19717	0.95	cps
Bromine	81-2	710	743	687	713	3.99	cps
Cadmium	108-1	1493	1383	1430	1436	3.85	cps
Cadmium	106-1	12035	12062	12138	12078	0.44	cps
Cadmium	111-1	26061	26377	26412	26283	0.73	cps
Calcium	43-1	1168745	1172224	1172251	1171073	0.17	cps
Calcium	44-1	18469137	18862517	18860288	18730647	1.21	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	51367	49835	50564	50589	1.51	cps
Cobalt	59-2	15048	14874	14984	14969	0.59	cps
Copper	63-2	12672161	12455024	12496179	12541121	0.92	cps
Dysprosium	156-1	16323	16426	16590	16446	0.82	cps
Dysprosium	156-2	13190	13483	13326	13333	1.10	cps
Erbium	164-1	12769	12769	12976	12838	0.93	cps
Erbium	164-2	8616	8476	8249	8447	2.19	cps
Gadolinium	160-1	14918	15395	14788	15034	2.13	cps
Gadolinium	160-2	11221	11338	11305	11288	0.53	cps
Holmium	165-1	34676165	34704646	34253525	34544779	0.73	cps
Holmium	165-2	22543675	22547792	22393383	22494950	0.39	cps
Indium	115-1	29501345	29246333	29464270	29403983	0.47	cps
Indium	115-2	10036654	10002546	10115710	10051637	0.58	cps
Iron	56-2	17326454	17101074	16866495	17098008	1.35	cps
Iron	57-2	447648	444231	449444	447108	0.59	cps
Iron	54-2	941416	952128	951803	948449	0.64	cps
Krypton	83-1	320	323	343	329	3.84	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-04LX5	Instrumnet Name :	P7
Client Sample ID :	MH2GT9L	Dilution Factor :	5
Date & Time Acquired :	2024-11-18 07:46:51	DataFile Name :	051SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4831772	4875618	4899619	4869003	0.71	cps
Lead	207-1	4169896	4229544	4160115	4186518	0.90	cps
Lead	208-1	19148646	19162359	19088669	19133224	0.20	cps
Lithium	6-1	3214103	3156669	3207977	3192916	0.99	cps
Magnesium	24-2	1219649	1244335	1218903	1227629	1.18	cps
Manganese	55-2	468763	455367	451906	458679	1.94	cps
Molybdenum	94-1	25966	26360	26250	26192	0.78	cps
Molybdenum	95-1	19520	19560	20241	19773	2.05	cps
Molybdenum	96-1	23753	23769	23786	23769	0.07	cps
Molybdenum	97-1	12512	12636	12656	12601	0.62	cps
Molybdenum	98-1	32129	32069	31741	31979	0.65	cps
Neodymium	150-1	27854	27691	28222	27922	0.97	cps
Neodymium	150-2	16266	16256	16103	16208	0.57	cps
Nickel	60-2	28003	27452	27335	27597	1.29	cps
Phosphorus	31-2	10420	10193	9800	10138	3.10	cps
Potassium	39-2	888443	905584	905288	899772	1.09	cps
Rhodium	103-1	27725785	27909426	27627410	27754207	0.52	cps
Rhodium	103-2	16136680	16070289	16279321	16162097	0.66	cps
Scandium	45-1	15687874	15996056	15912421	15865450	1.00	cps
Scandium	45-2	1344253	1356931	1384695	1361960	1.52	cps
Selenium	82-1	1105	1173	1023	1100	6.81	cps
Selenium	77-2	90	100	57	82	27.59	cps
Selenium	78-2	690	603	703	666	8.16	cps
Silicon	28-1	12702876	12688251	12406479	12599202	1.33	cps
Silver	107-1	15472	16433	16082	15996	3.04	cps
Silver	109-1	14784	15008	15455	15082	2.26	cps
Sodium	23-2	7099529	7347770	7375011	7274103	2.09	cps
Strontium	86-1	894144	902757	908339	901747	0.79	cps
Strontium	88-1	8093937	8152549	8261318	8169268	1.04	cps
Sulfur	34-1	903588	911483	912979	909350	0.55	cps
Terbium	159-1	35003987	35513090	35570721	35362599	0.88	cps
Terbium	159-2	22152334	22994802	22891735	22679624	2.03	cps
Thallium	203-1	1133	1013	1087	1078	5.61	cps
Thallium	205-1	2487	2400	2620	2502	4.43	cps
Tin	118-1	214667	218414	217162	216748	0.88	cps
Titanium	47-1	92081	91685	92437	92068	0.41	cps

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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-04LX5	Instrumnet Name :	P7
Client Sample ID :	MH2GT9L	Dilution Factor :	5
Date & Time Acquired :	2024-11-18 07:46:51	DataFile Name :	051SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	33586	34127	34000	33904	0.84	cps
Vanadium	51-2	57897	55870	55565	56444	2.25	cps
Yttrium	89-1	38946148	39197016	39562573	39235246	0.79	cps
Yttrium	89-2	9799963	9689273	9737771	9742336	0.57	cps
Zinc	66-2	1743003	1711429	1732965	1729132	0.93	cps
Zirconium	90-1	40877	40931	41432	41080	0.74	cps
Zirconium	91-1	8763	8919	9116	8933	1.98	cps

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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-06	Instrumnet Name :	P7
Client Sample ID :	MH2GT9S	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:49:54	DataFile Name :	052SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3234384	3151409	3289700	3225165	2.16	cps
Antimony	121-1	672693	683645	673532	676623	0.90	cps
Arsenic	75-2	24864	25462	25145	25157	1.19	cps
Barium	135-1	4297244	4274397	4326430	4299357	0.61	cps
Barium	137-1	7381810	7391041	7454497	7409116	0.53	cps
Beryllium	9-1	25388	25905	24809	25367	2.16	cps
Bismuth	209-1	20914811	20525668	21096957	20845812	1.40	cps
Bismuth	209-2	15211366	15137379	15268890	15205878	0.43	cps
Bromine	81-1	30398	31591	31600	31196	2.22	cps
Bromine	81-2	3094	3177	3134	3135	1.33	cps
Cadmium	108-1	11798	12108	11338	11748	3.30	cps
Cadmium	106-1	26795	26484	26381	26553	0.81	cps
Cadmium	111-1	171074	172503	170951	171509	0.50	cps
Calcium	43-1	5727757	5716680	5722732	5722389	0.10	cps
Calcium	44-1	91105922	91654779	91017399	91259366	0.38	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	653706	653939	657510	655052	0.33	cps
Cobalt	59-2	1837362	1836746	1829949	1834686	0.22	cps
Copper	63-2	60461894	60466489	60187139	60371841	0.26	cps
Dysprosium	156-1	80603	78917	80217	79912	1.11	cps
Dysprosium	156-2	66389	64598	66828	65938	1.79	cps
Erbium	164-1	61501	62298	63034	62278	1.23	cps
Erbium	164-2	41685	41528	40940	41384	0.95	cps
Gadolinium	160-1	71957	74074	72721	72917	1.47	cps
Gadolinium	160-2	51916	51424	50872	51404	1.02	cps
Holmium	165-1	35547940	35352846	35110480	35337089	0.62	cps
Holmium	165-2	22819345	23018649	22784173	22874055	0.55	cps
Indium	115-1	30201080	29863700	29581970	29882250	1.04	cps
Indium	115-2	10127231	9993654	10114625	10078503	0.73	cps
Iron	56-2	85894889	86347835	85636655	85959793	0.42	cps
Iron	57-2	2272437	2213003	2250817	2245419	1.34	cps
Iron	54-2	4709260	4651709	4720122	4693697	0.78	cps
Krypton	83-1	443	470	437	450	3.92	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-06	Instrumnet Name :	P7
Client Sample ID :	MH2GT9S	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:49:54	DataFile Name :	052SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	24245695	24187352	24031060	24154702	0.46	cps
Lead	207-1	20550169	20596112	20214739	20453673	1.02	cps
Lead	208-1	94279648	94546884	94318650	94381727	0.15	cps
Lithium	6-1	3221440	3179114	3222122	3207559	0.77	cps
Magnesium	24-2	5888682	5818659	5820481	5842607	0.68	cps
Manganese	55-2	3112208	3146041	3097180	3118476	0.80	cps
Molybdenum	94-1	130180	129254	129792	129742	0.36	cps
Molybdenum	95-1	95985	97237	98821	97348	1.46	cps
Molybdenum	96-1	118156	119039	117262	118152	0.75	cps
Molybdenum	97-1	60009	60853	59561	60141	1.09	cps
Molybdenum	98-1	157330	157139	156435	156968	0.30	cps
Neodymium	150-1	138661	139681	138348	138897	0.50	cps
Neodymium	150-2	78292	78886	77528	78235	0.87	cps
Nickel	60-2	574115	570796	568982	571298	0.46	cps
Phosphorus	31-2	48691	47681	48500	48290	1.11	cps
Potassium	39-2	4023645	4042959	4053095	4039899	0.37	cps
Rhodium	103-1	28106808	27537876	27780121	27808268	1.03	cps
Rhodium	103-2	16241354	16140663	16225195	16202404	0.33	cps
Scandium	45-1	16365549	16125924	16049884	16180452	1.02	cps
Scandium	45-2	1383927	1411695	1381807	1392476	1.20	cps
Selenium	82-1	11391	11304	11312	11336	0.42	cps
Selenium	77-2	1280	1203	1417	1300	8.31	cps
Selenium	78-2	4374	4121	4067	4187	3.91	cps
Silicon	28-1	57113729	56336276	56814079	56754695	0.69	cps
Silver	107-1	417575	418901	419013	418496	0.19	cps
Silver	109-1	395223	400906	394709	396946	0.87	cps
Sodium	23-2	34941259	33900598	35105984	34649281	1.89	cps
Strontium	86-1	4557717	4595008	4587879	4580201	0.43	cps
Strontium	88-1	39924265	39890997	39811857	39875706	0.14	cps
Sulfur	34-1	3605149	3646879	3644300	3632109	0.64	cps
Terbium	159-1	36518650	36257558	35779909	36185372	1.04	cps
Terbium	159-2	23161448	22907264	22836511	22968408	0.74	cps
Thallium	203-1	234756	240297	238923	237992	1.21	cps
Thallium	205-1	560005	572980	564204	565729	1.17	cps
Tin	118-1	1185185	1203320	1191439	1193315	0.77	cps
Titanium	47-1	445114	450516	452716	449449	0.87	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-06	Instrumnet Name :	P7
Client Sample ID :	MH2GT9S	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:49:54	DataFile Name :	052SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	169105	169729	170437	169757	0.39	cps
Vanadium	51-2	1190251	1172147	1182207	1181535	0.77	cps
Yttrium	89-1	41628430	40780379	41016959	41141923	1.06	cps
Yttrium	89-2	10236172	10221517	10261261	10239650	0.20	cps
Zinc	66-2	8448041	8346589	8532823	8442484	1.10	cps
Zirconium	90-1	204970	207871	208029	206957	0.83	cps
Zirconium	91-1	45567	45965	46055	45863	0.57	cps

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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-07	Instrumnet Name :	P7
Client Sample ID :	MH2GW0	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:52:49	DataFile Name :	053SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2370608	2367380	2355737	2364575	0.33	cps
Antimony	121-1	56721	57752	58050	57508	1.21	cps
Arsenic	75-2	5398	5334	5314	5349	0.81	cps
Barium	135-1	1742581	1751069	1744504	1746051	0.25	cps
Barium	137-1	3020631	3029770	2970018	3006806	1.07	cps
Beryllium	9-1	856	844	778	826	5.09	cps
Bismuth	209-1	20415552	20367851	20176734	20320046	0.62	cps
Bismuth	209-2	15024224	14899664	15118690	15014193	0.73	cps
Bromine	81-1	31504	33057	33428	32663	3.13	cps
Bromine	81-2	3157	3044	3294	3165	3.96	cps
Cadmium	108-1	1110	1183	1080	1125	4.73	cps
Cadmium	106-1	12249	11875	12135	12086	1.59	cps
Cadmium	111-1	19475	19236	19660	19457	1.09	cps
Calcium	43-1	15135444	14970767	15162311	15089507	0.69	cps
Calcium	44-1	241862163	241145676	240699143	241235661	0.24	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	581673	580600	583687	581987	0.27	cps
Cobalt	59-2	85991	86225	85891	86036	0.20	cps
Copper	63-2	3213473	3176064	3140362	3176633	1.15	cps
Dysprosium	156-1	35926	35866	36290	36027	0.64	cps
Dysprosium	156-2	29625	29411	29711	29582	0.52	cps
Erbium	164-1	28957	29842	29695	29498	1.61	cps
Erbium	164-2	19828	19984	19203	19672	2.10	cps
Gadolinium	160-1	32808	33012	32725	32849	0.45	cps
Gadolinium	160-2	23764	23787	23617	23722	0.39	cps
Holmium	165-1	35696042	35495592	34913010	35368215	1.15	cps
Holmium	165-2	23042286	22908788	22842640	22931238	0.44	cps
Indium	115-1	29999766	29860193	29673463	29844474	0.55	cps
Indium	115-2	10198229	9844289	10121102	10054540	1.85	cps
Iron	56-2	59758379	59270892	60533629	59854300	1.06	cps
Iron	57-2	1767147	1750453	1809984	1775861	1.73	cps
Iron	54-2	3317316	3272712	3299730	3296586	0.68	cps
Krypton	83-1	427	373	363	388	8.78	cps

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-07	Instrumnet Name :	P7
Client Sample ID :	MH2GW0	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:52:49	DataFile Name :	053SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	6393350	6398113	6440016	6410493	0.40	cps
Lead	207-1	5444728	5466849	5410874	5440817	0.52	cps
Lead	208-1	25021000	25317624	25032121	25123582	0.67	cps
Lithium	6-1	3227241	3240563	3298895	3255566	1.17	cps
Magnesium	24-2	40716194	40899635	40437234	40684355	0.57	cps
Manganese	55-2	2739042	2668452	2705024	2704172	1.31	cps
Molybdenum	94-1	72597	71787	70843	71743	1.22	cps
Molybdenum	95-1	19199	19263	19703	19388	1.42	cps
Molybdenum	96-1	30989	31658	31554	31400	1.15	cps
Molybdenum	97-1	11892	12249	12175	12105	1.56	cps
Molybdenum	98-1	31150	31130	31163	31148	0.05	cps
Neodymium	150-1	57205	57784	57115	57368	0.63	cps
Neodymium	150-2	31993	32878	32568	32480	1.38	cps
Nickel	60-2	344433	342609	341236	342759	0.47	cps
Phosphorus	31-2	24486	24049	23705	24080	1.63	cps
Potassium	39-2	2829794	2809738	2782433	2807322	0.85	cps
Rhodium	103-1	27521980	27290423	27080338	27297580	0.81	cps
Rhodium	103-2	16232054	15929842	16193999	16118632	1.02	cps
Scandium	45-1	16292269	16425319	16338362	16351983	0.41	cps
Scandium	45-2	1413895	1404850	1358430	1392392	2.14	cps
Selenium	82-1	1067	1140	1063	1090	4.00	cps
Selenium	77-2	130	133	160	141	11.65	cps
Selenium	78-2	703	670	677	683	2.58	cps
Silicon	28-1	61206959	61343531	61715801	61422097	0.43	cps
Silver	107-1	16690	16830	16286	16602	1.70	cps
Silver	109-1	15632	15672	15572	15625	0.32	cps
Sodium	23-2	6264804	6319273	6277124	6287067	0.45	cps
Strontium	86-1	2227260	2237047	2230756	2231688	0.22	cps
Strontium	88-1	19309820	19577582	19374403	19420602	0.72	cps
Sulfur	34-1	752475	761543	758099	757372	0.60	cps
Terbium	159-1	36366055	36030792	36243456	36213434	0.47	cps
Terbium	159-2	22993675	22852378	22866800	22904284	0.34	cps
Thallium	203-1	2984	2660	2567	2737	7.99	cps
Thallium	205-1	6698	6412	6128	6413	4.45	cps
Tin	118-1	124075	124644	123275	123998	0.55	cps
Titanium	47-1	416434	416738	417813	416995	0.17	cps

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LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-07	Instrumnet Name :	P7
Client Sample ID :	MH2GW0	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:52:49	DataFile Name :	053SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	58063	59232	57664	58320	1.40	cps
Vanadium	51-2	116059	115508	115071	115546	0.43	cps
Yttrium	89-1	40289116	40532022	40560726	40460621	0.37	cps
Yttrium	89-2	10316590	10126998	10065670	10169753	1.29	cps
Zinc	66-2	2466125	2466469	2476688	2469760	0.24	cps
Zirconium	90-1	161734	162959	160271	161654	0.83	cps
Zirconium	91-1	36572	36502	36405	36493	0.23	cps

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LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-08	Instrumnet Name :	P7
Client Sample ID :	MH2GW1	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:55:46	DataFile Name :	054SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4117334	4179841	4275276	4190817	1.90	cps
Antimony	121-1	53904	53061	54463	53809	1.31	cps
Arsenic	75-2	10214	10227	10023	10155	1.12	cps
Barium	135-1	2565718	2626705	2578966	2590463	1.24	cps
Barium	137-1	4402377	4448237	4405049	4418554	0.58	cps
Beryllium	9-1	1128	1017	933	1026	9.51	cps
Bismuth	209-1	20987924	20778680	20909566	20892057	0.51	cps
Bismuth	209-2	15249785	15558301	15242729	15350272	1.17	cps
Bromine	81-1	32502	33465	34721	33563	3.31	cps
Bromine	81-2	3640	3400	3487	3509	3.46	cps
Cadmium	108-1	1577	1650	1657	1628	2.73	cps
Cadmium	106-1	13226	12789	12993	13003	1.68	cps
Cadmium	111-1	24888	24290	24421	24533	1.28	cps
Calcium	43-1	11045316	10884125	11152515	11027319	1.23	cps
Calcium	44-1	178049597	176473237	178877304	177800046	0.69	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	400175	397825	396601	398200	0.46	cps
Cobalt	59-2	95884	94985	94502	95123	0.74	cps
Copper	63-2	1532112	1533412	1497066	1520863	1.36	cps
Dysprosium	156-1	47102	48587	48135	47941	1.59	cps
Dysprosium	156-2	39499	39709	39739	39649	0.33	cps
Erbium	164-1	40599	40609	40295	40501	0.44	cps
Erbium	164-2	26652	27116	26201	26657	1.72	cps
Gadolinium	160-1	44223	45122	45557	44967	1.51	cps
Gadolinium	160-2	32150	32301	32214	32221	0.23	cps
Holmium	165-1	35139094	35852544	34960075	35317238	1.34	cps
Holmium	165-2	23041353	23329623	23005266	23125414	0.77	cps
Indium	115-1	29901422	29859620	29266515	29675852	1.20	cps
Indium	115-2	10203455	10036043	9938591	10059363	1.33	cps
Iron	56-2	86652999	85399287	86000125	86017470	0.73	cps
Iron	57-2	2361727	2318961	2353800	2344829	0.97	cps
Iron	54-2	4724884	4679123	4658038	4687348	0.73	cps
Krypton	83-1	370	310	447	376	18.24	cps

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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-08	Instrumnet Name :	P7
Client Sample ID :	MH2GW1	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:55:46	DataFile Name :	054SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	16050293	15992180	16046386	16029620	0.20	cps
Lead	207-1	13596047	13553673	13542864	13564195	0.21	cps
Lead	208-1	62915624	62950789	63096021	62987478	0.15	cps
Lithium	6-1	3356469	3383849	3305778	3348699	1.18	cps
Magnesium	24-2	16269894	16103626	16329545	16234355	0.72	cps
Manganese	55-2	3114916	3087491	3121339	3107916	0.58	cps
Molybdenum	94-1	85635	85564	86490	85896	0.60	cps
Molybdenum	95-1	29239	29069	29673	29327	1.06	cps
Molybdenum	96-1	43190	43732	43367	43430	0.64	cps
Molybdenum	97-1	18145	17931	17644	17907	1.40	cps
Molybdenum	98-1	46975	46875	47791	47214	1.06	cps
Neodymium	150-1	78038	78450	77766	78085	0.44	cps
Neodymium	150-2	45336	44925	45226	45162	0.47	cps
Nickel	60-2	422390	422599	423393	422794	0.13	cps
Phosphorus	31-2	35548	36263	36440	36084	1.31	cps
Potassium	39-2	4123239	4095624	4017153	4078672	1.35	cps
Rhodium	103-1	27627426	27628445	27572214	27609362	0.12	cps
Rhodium	103-2	16511529	16189771	15890734	16197345	1.92	cps
Scandium	45-1	16420960	16436236	16176486	16344561	0.89	cps
Scandium	45-2	1383656	1357906	1352490	1364684	1.22	cps
Selenium	82-1	1199	1186	978	1121	11.07	cps
Selenium	77-2	147	217	170	178	20.05	cps
Selenium	78-2	733	770	750	751	2.44	cps
Silicon	28-1	95714572	97476989	96805249	96665603	0.92	cps
Silver	107-1	30933	31815	32526	31758	2.51	cps
Silver	109-1	29263	30592	30318	30058	2.34	cps
Sodium	23-2	5617967	5601765	5698187	5639307	0.92	cps
Strontium	86-1	2731222	2728286	2749188	2736232	0.41	cps
Strontium	88-1	23688514	23769016	23751303	23736278	0.18	cps
Sulfur	34-1	1370968	1373638	1385427	1376677	0.56	cps
Terbium	159-1	36397167	36223140	35837764	36152690	0.79	cps
Terbium	159-2	22588543	22916821	22851065	22785476	0.76	cps
Thallium	203-1	2797	2680	3047	2841	6.59	cps
Thallium	205-1	6625	6672	6558	6618	0.86	cps
Tin	118-1	623892	624324	622667	623628	0.14	cps
Titanium	47-1	651232	643198	653660	649364	0.84	cps

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LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-08	Instrumnet Name :	P7
Client Sample ID :	MH2GW1	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:55:46	DataFile Name :	054SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	71005	71042	71310	71119	0.23	cps
Vanadium	51-2	188107	186569	187033	187236	0.42	cps
Yttrium	89-1	40690899	40700289	40230482	40540557	0.66	cps
Yttrium	89-2	10191603	10139469	10039717	10123596	0.76	cps
Zinc	66-2	4898340	4872998	4842221	4871186	0.58	cps
Zirconium	90-1	189149	189546	190508	189734	0.37	cps
Zirconium	91-1	41258	41445	42561	41755	1.69	cps

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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-09	Instrumnet Name :	P7
Client Sample ID :	MH2GW2	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:58:44	DataFile Name :	055SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	558271	555546	556242	556686	0.25	cps
Antimony	121-1	20218	21229	20498	20648	2.53	cps
Arsenic	75-2	1373	1293	1330	1332	3.01	cps
Barium	135-1	278943	277936	278737	278539	0.19	cps
Barium	137-1	482015	489363	487934	486437	0.80	cps
Beryllium	9-1	661	733	689	694	5.25	cps
Bismuth	209-1	19473018	19302610	18958649	19244759	1.36	cps
Bismuth	209-2	14151806	14097258	14163856	14137640	0.25	cps
Bromine	81-1	23929	24400	24721	24350	1.63	cps
Bromine	81-2	1617	1550	1630	1599	2.68	cps
Cadmium	108-1	240	243	227	237	3.73	cps
Cadmium	106-1	11681	10971	11305	11319	3.14	cps
Cadmium	111-1	10163	9643	9975	9927	2.65	cps
Calcium	43-1	32217310	33061753	32947526	32742196	1.40	cps
Calcium	44-1	519270339	526252792	529456405	524993179	0.99	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	63349	62519	63740	63203	0.99	cps
Cobalt	59-2	61308	62894	62533	62245	1.34	cps
Copper	63-2	152391	154821	152841	153351	0.84	cps
Dysprosium	156-1	18072	18179	18015	18088	0.46	cps
Dysprosium	156-2	13980	13827	14100	13969	0.98	cps
Erbium	164-1	16977	17711	17625	17438	2.30	cps
Erbium	164-2	12052	11682	11582	11772	2.11	cps
Gadolinium	160-1	18532	18786	18052	18457	2.02	cps
Gadolinium	160-2	13440	14097	13914	13817	2.45	cps
Holmium	165-1	35572149	34823580	34313206	34902978	1.81	cps
Holmium	165-2	22700335	22247265	22397976	22448525	1.03	cps
Indium	115-1	29662581	29006607	29367871	29345686	1.12	cps
Indium	115-2	10121342	10005795	10065190	10064109	0.57	cps
Iron	56-2	17387974	17335439	17368868	17364094	0.15	cps
Iron	57-2	982490	995129	1003130	993583	1.05	cps
Iron	54-2	952641	949734	953478	951951	0.21	cps
Krypton	83-1	360	387	393	380	4.64	cps

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LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-09	Instrumnet Name :	P7
Client Sample ID :	MH2GW2	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:58:44	DataFile Name :	055SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	477381	479833	474383	477199	0.57	cps
Lead	207-1	393849	392143	397657	394549	0.72	cps
Lead	208-1	1834332	1840792	1831671	1835598	0.26	cps
Lithium	6-1	3351458	3295334	3356999	3334597	1.02	cps
Magnesium	24-2	173721731	175026564	174427231	174391842	0.37	cps
Manganese	55-2	3168869	3167925	3167956	3168250	0.02	cps
Molybdenum	94-1	21893	22404	22461	22253	1.40	cps
Molybdenum	95-1	6048	5694	5578	5773	4.24	cps
Molybdenum	96-1	9216	9763	9723	9568	3.19	cps
Molybdenum	97-1	3487	3464	3527	3493	0.92	cps
Molybdenum	98-1	8906	9323	9473	9234	3.18	cps
Neodymium	150-1	28616	28606	28669	28630	0.12	cps
Neodymium	150-2	15836	16737	16196	16256	2.79	cps
Nickel	60-2	36147	36394	36110	36217	0.43	cps
Phosphorus	31-2	7339	7512	7298	7383	1.54	cps
Potassium	39-2	762254	759985	758253	760164	0.26	cps
Rhodium	103-1	27533631	26590430	26420717	26848260	2.23	cps
Rhodium	103-2	15805992	15781289	15930035	15839105	0.50	cps
Scandium	45-1	16736528	16558451	16683008	16659329	0.55	cps
Scandium	45-2	1465507	1470975	1452102	1462862	0.66	cps
Selenium	82-1	1017	996	913	975	5.63	cps
Selenium	77-2	60	57	70	62	11.15	cps
Selenium	78-2	570	670	623	621	8.06	cps
Silicon	28-1	14668093	14913295	15134939	14905442	1.57	cps
Silver	107-1	2074	2214	1853	2047	8.87	cps
Silver	109-1	2050	1827	2087	1988	7.08	cps
Sodium	23-2	1805310	1842196	1813881	1820462	1.06	cps
Strontium	86-1	2134652	2162329	2210442	2169141	1.77	cps
Strontium	88-1	18403920	18992772	18966905	18787866	1.77	cps
Sulfur	34-1	430300	445290	453999	443196	2.70	cps
Terbium	159-1	36917099	35520095	35226929	35888041	2.52	cps
Terbium	159-2	22631298	22436693	22420601	22496197	0.52	cps
Thallium	203-1	810	747	790	782	4.14	cps
Thallium	205-1	1873	1790	1934	1866	3.86	cps
Tin	118-1	31882	32787	33205	32625	2.07	cps
Titanium	47-1	89177	92380	91189	90915	1.78	cps

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On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-09	Instrumnet Name :	P7
Client Sample ID :	MH2GW2	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 07:58:44	DataFile Name :	055SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	40655	40522	39522	40233	1.54	cps
Vanadium	51-2	67959	67577	68036	67857	0.36	cps
Yttrium	89-1	40731133	40402159	40648741	40594011	0.42	cps
Yttrium	89-2	10367892	10335745	10315596	10339744	0.26	cps
Zinc	66-2	207034	206892	207396	207107	0.13	cps
Zirconium	90-1	51048	52186	54184	52473	3.03	cps
Zirconium	91-1	11638	11705	11408	11584	1.34	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-10	Instrumnet Name :	P7
Client Sample ID :	MH2GW3	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 08:01:53	DataFile Name :	056SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1077942	1081620	1067718	1075760	0.67	cps
Antimony	121-1	61959	63861	63188	63003	1.53	cps
Arsenic	75-2	3184	3384	3677	3415	7.27	cps
Barium	135-1	683239	695536	694749	691175	1.00	cps
Barium	137-1	1185075	1199201	1200044	1194773	0.70	cps
Beryllium	9-1	417	478	461	452	6.99	cps
Bismuth	209-1	19759932	19721929	19619368	19700410	0.37	cps
Bismuth	209-2	15014921	14794501	14893962	14901128	0.74	cps
Bromine	81-1	25723	26277	26627	26209	1.74	cps
Bromine	81-2	1957	1927	1827	1903	3.58	cps
Cadmium	108-1	253	317	300	290	11.32	cps
Cadmium	106-1	12242	11611	11535	11796	3.29	cps
Cadmium	111-1	10676	10187	10365	10409	2.38	cps
Calcium	43-1	20837683	20999198	21116151	20984344	0.67	cps
Calcium	44-1	335985108	338869555	342812142	339222268	1.01	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	103025	102629	100905	102186	1.10	cps
Cobalt	59-2	34981	36514	36047	35847	2.19	cps
Copper	63-2	558639	559493	552909	557014	0.64	cps
Dysprosium	156-1	16433	16370	16396	16400	0.19	cps
Dysprosium	156-2	12989	13577	13373	13313	2.24	cps
Erbium	164-1	14057	14354	14111	14174	1.12	cps
Erbium	164-2	9463	9467	9403	9444	0.38	cps
Gadolinium	160-1	15312	15629	15285	15409	1.24	cps
Gadolinium	160-2	11735	12025	11508	11756	2.20	cps
Holmium	165-1	34902617	34813120	34766013	34827250	0.20	cps
Holmium	165-2	23230686	23041200	23284483	23185456	0.55	cps
Indium	115-1	29787270	30023209	29815679	29875386	0.43	cps
Indium	115-2	10338052	10248301	10290631	10292328	0.44	cps
Iron	56-2	24505035	24580845	24458265	24514715	0.25	cps
Iron	57-2	952796	955873	953778	954149	0.16	cps
Iron	54-2	1339201	1330849	1348818	1339623	0.67	cps
Krypton	83-1	387	457	353	399	13.22	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-10	Instrumnet Name :	P7
Client Sample ID :	MH2GW3	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 08:01:53	DataFile Name :	056SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1748936	1771255	1777753	1765981	0.86	cps
Lead	207-1	1463444	1474041	1471295	1469593	0.37	cps
Lead	208-1	6910902	7026226	6934243	6957124	0.88	cps
Lithium	6-1	3365938	3409444	3337476	3370953	1.08	cps
Magnesium	24-2	48198199	48585939	47846574	48210238	0.77	cps
Manganese	55-2	837594	850268	843690	843851	0.75	cps
Molybdenum	94-1	41108	42167	42110	41795	1.43	cps
Molybdenum	95-1	6482	6622	6582	6562	1.10	cps
Molybdenum	96-1	13690	13743	13596	13676	0.54	cps
Molybdenum	97-1	3914	3937	4097	3983	2.51	cps
Molybdenum	98-1	10200	10724	10297	10407	2.68	cps
Neodymium	150-1	27878	29073	28996	28649	2.34	cps
Neodymium	150-2	16270	16173	16136	16193	0.43	cps
Nickel	60-2	60515	60260	60207	60327	0.27	cps
Phosphorus	31-2	8376	8399	8519	8431	0.91	cps
Potassium	39-2	1259138	1245410	1245597	1250048	0.63	cps
Rhodium	103-1	27955660	27680500	27987765	27874642	0.61	cps
Rhodium	103-2	16305130	16087081	16344501	16245570	0.85	cps
Scandium	45-1	17366134	17146914	17279388	17264145	0.64	cps
Scandium	45-2	1440950	1480236	1488307	1469831	1.72	cps
Selenium	82-1	913	787	827	842	7.69	cps
Selenium	77-2	20	57	53	43	46.79	cps
Selenium	78-2	580	577	627	594	4.70	cps
Silicon	28-1	29969285	29999039	30552960	30173761	1.09	cps
Silver	107-1	3320	3400	3487	3403	2.45	cps
Silver	109-1	3137	3324	3247	3236	2.90	cps
Sodium	23-2	2701621	2677360	2742354	2707112	1.21	cps
Strontium	86-1	2297101	2330484	2310620	2312735	0.73	cps
Strontium	88-1	20225785	20353073	20145097	20241318	0.52	cps
Sulfur	34-1	564971	564058	568529	565853	0.42	cps
Terbium	159-1	36148954	35896985	35381369	35809103	1.09	cps
Terbium	159-2	22969998	23081795	22868433	22973409	0.46	cps
Thallium	203-1	1203	1140	980	1108	10.39	cps
Thallium	205-1	2704	2660	2707	2690	0.97	cps
Tin	118-1	75828	77778	76596	76734	1.28	cps
Titanium	47-1	182705	182968	183025	182899	0.09	cps

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On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-10	Instrumnet Name :	P7
Client Sample ID :	MH2GW3	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 08:01:53	DataFile Name :	056SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	40368	40050	41094	40504	1.32	cps
Vanadium	51-2	56669	56964	56489	56707	0.42	cps
Yttrium	89-1	41387505	40543173	40958544	40963074	1.03	cps
Yttrium	89-2	10457684	10269852	10521653	10416396	1.26	cps
Zinc	66-2	555126	555124	558321	556191	0.33	cps
Zirconium	90-1	103129	104062	104961	104051	0.88	cps
Zirconium	91-1	23268	23659	23542	23490	0.85	cps

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On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-11	Instrumnet Name :	P7
Client Sample ID :	MH2GW4	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 08:05:02	DataFile Name :	057SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	632810	631102	634366	632759	0.26	cps
Antimony	121-1	25573	25653	25459	25562	0.38	cps
Arsenic	75-2	2137	2344	2170	2217	5.01	cps
Barium	135-1	309529	311884	311336	310917	0.40	cps
Barium	137-1	539020	542573	537712	539768	0.47	cps
Beryllium	9-1	561	628	672	620	9.02	cps
Bismuth	209-1	18845641	18732028	18660080	18745916	0.50	cps
Bismuth	209-2	14216052	14236178	14085499	14179243	0.58	cps
Bromine	81-1	26033	27168	27416	26872	2.74	cps
Bromine	81-2	1903	1990	1993	1962	2.60	cps
Cadmium	108-1	403	317	320	347	14.16	cps
Cadmium	106-1	12552	11962	11411	11975	4.77	cps
Cadmium	111-1	11845	11519	11098	11487	3.26	cps
Calcium	43-1	32795681	33292833	33095792	33061435	0.76	cps
Calcium	44-1	526524979	529586779	534516339	530209365	0.76	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	84079	83868	84330	84093	0.28	cps
Cobalt	59-2	60806	60582	61318	60902	0.62	cps
Copper	63-2	174713	174369	171642	173575	0.97	cps
Dysprosium	156-1	21266	21486	21724	21492	1.06	cps
Dysprosium	156-2	16420	16053	16623	16365	1.77	cps
Erbium	164-1	20836	20435	20635	20635	0.97	cps
Erbium	164-2	13707	13613	13430	13583	1.04	cps
Gadolinium	160-1	22027	22355	22268	22217	0.76	cps
Gadolinium	160-2	16306	16156	16470	16311	0.96	cps
Holmium	165-1	35271011	34651269	34417654	34779978	1.27	cps
Holmium	165-2	22643889	22881566	22567390	22697615	0.72	cps
Indium	115-1	29508308	29953632	29698870	29720270	0.75	cps
Indium	115-2	10261172	10334036	10253077	10282761	0.43	cps
Iron	56-2	17910878	17694377	17785109	17796788	0.61	cps
Iron	57-2	991723	1001337	1008977	1000679	0.86	cps
Iron	54-2	977910	980814	976396	978373	0.23	cps
Krypton	83-1	417	370	400	396	5.98	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-11	Instrumnet Name :	P7
Client Sample ID :	MH2GW4	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 08:05:02	DataFile Name :	057SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	603337	602594	600359	602097	0.26	cps
Lead	207-1	496292	495523	497340	496385	0.18	cps
Lead	208-1	2315166	2312204	2310679	2312683	0.10	cps
Lithium	6-1	3274058	3302315	3331643	3302672	0.87	cps
Magnesium	24-2	176136637	176679004	175159044	175991562	0.44	cps
Manganese	55-2	2635099	2634727	2646660	2638829	0.26	cps
Molybdenum	94-1	21302	21189	21025	21172	0.66	cps
Molybdenum	95-1	5701	5431	5534	5556	2.45	cps
Molybdenum	96-1	9013	9126	9316	9152	1.68	cps
Molybdenum	97-1	3287	3587	3280	3385	5.18	cps
Molybdenum	98-1	8839	9070	9070	8993	1.48	cps
Neodymium	150-1	33343	33359	33784	33495	0.75	cps
Neodymium	150-2	18522	19390	18158	18690	3.39	cps
Nickel	60-2	75559	75485	75620	75555	0.09	cps
Phosphorus	31-2	10110	10407	10080	10199	1.77	cps
Potassium	39-2	1100330	1101714	1105474	1102506	0.24	cps
Rhodium	103-1	27456959	27559105	27393290	27469784	0.30	cps
Rhodium	103-2	16147541	16111591	15956616	16071916	0.63	cps
Scandium	45-1	17418239	17429072	17471506	17439605	0.16	cps
Scandium	45-2	1474228	1494766	1467106	1478700	0.97	cps
Selenium	82-1	948	996	938	960	3.19	cps
Selenium	77-2	70	90	77	79	12.91	cps
Selenium	78-2	613	733	633	660	9.74	cps
Silicon	28-1	14983168	15005672	15192094	15060311	0.76	cps
Silver	107-1	2600	2417	2620	2546	4.40	cps
Silver	109-1	2377	2254	2357	2329	2.84	cps
Sodium	23-2	1969961	1960181	1934650	1954931	0.93	cps
Strontium	86-1	2022700	2031116	2018078	2023965	0.33	cps
Strontium	88-1	17417499	17857843	17716648	17663997	1.27	cps
Sulfur	34-1	491379	499102	497535	496005	0.82	cps
Terbium	159-1	35679905	35886529	35281231	35615888	0.86	cps
Terbium	159-2	22900973	22898983	22563326	22787760	0.85	cps
Thallium	203-1	793	853	827	824	3.65	cps
Thallium	205-1	1950	1897	1857	1901	2.46	cps
Tin	118-1	42579	42676	42295	42517	0.47	cps
Titanium	47-1	110477	112202	111245	111308	0.78	cps

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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-11	Instrumnet Name :	P7
Client Sample ID :	MH2GW4	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 08:05:02	DataFile Name :	057SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	39224	38783	38676	38895	0.75	cps
Vanadium	51-2	74164	75276	74335	74592	0.80	cps
Yttrium	89-1	41222888	41626829	41378389	41409368	0.49	cps
Yttrium	89-2	10480148	10495178	10679195	10551507	1.05	cps
Zinc	66-2	572843	570897	569772	571171	0.27	cps
Zirconium	90-1	47811	47754	48205	47923	0.51	cps
Zirconium	91-1	10460	10721	10701	10627	1.36	cps

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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-01DLX2	Instrumnet Name :	P7
Client Sample ID :	MH2GT6	Dilution Factor :	2
Date & Time Acquired :	2024-11-18 08:37:49	DataFile Name :	058SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2107277	2112247	2117517	2112347	0.24	cps
Antimony	121-1	74659	73419	74602	74227	0.94	cps
Arsenic	75-2	11204	10991	11004	11066	1.08	cps
Barium	135-1	3735429	3744734	3709947	3730037	0.48	cps
Barium	137-1	6423305	6427948	6440422	6430558	0.14	cps
Beryllium	9-1	2084	2161	2256	2167	3.98	cps
Bismuth	209-1	19484132	19354868	19420551	19419850	0.33	cps
Bismuth	209-2	14910383	14800932	14722887	14811401	0.64	cps
Bromine	81-1	30562	31226	31617	31135	1.71	cps
Bromine	81-2	3434	3404	3360	3399	1.08	cps
Cadmium	108-1	1813	1930	1743	1829	5.16	cps
Cadmium	106-1	11448	11081	11591	11373	2.31	cps
Cadmium	111-1	30197	31007	30750	30651	1.35	cps
Calcium	43-1	3213121	3166626	3197789	3192512	0.74	cps
Calcium	44-1	51514861	50992158	50406051	50971023	1.09	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	213996	212435	212023	212818	0.49	cps
Cobalt	59-2	112921	111285	110419	111542	1.14	cps
Copper	63-2	902554	912407	909158	908040	0.55	cps
Dysprosium	156-1	73008	73159	72027	72731	0.85	cps
Dysprosium	156-2	63884	62887	63238	63336	0.80	cps
Erbium	164-1	60135	58910	59389	59478	1.04	cps
Erbium	164-2	40662	41104	39944	40570	1.44	cps
Gadolinium	160-1	64558	63921	65060	64513	0.88	cps
Gadolinium	160-2	47266	46610	46597	46825	0.82	cps
Holmium	165-1	32712202	32714717	32285822	32570914	0.76	cps
Holmium	165-2	22117254	22217774	21962062	22099030	0.58	cps
Indium	115-1	28070573	28048016	27853702	27990764	0.43	cps
Indium	115-2	9755666	9781933	9685328	9740976	0.51	cps
Iron	56-2	49564764	49327654	48797111	49229843	0.80	cps
Iron	57-2	1269004	1259431	1259664	1262700	0.43	cps
Iron	54-2	2706788	2731251	2716312	2718117	0.45	cps
Krypton	83-1	343	463	320	376	20.48	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-01DLX2	Instrumnet Name :	P7
Client Sample ID :	MH2GT6	Dilution Factor :	2
Date & Time Acquired :	2024-11-18 08:37:49	DataFile Name :	058SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	53885576	53920439	54003268	53936428	0.11	cps
Lead	207-1	43825003	44377739	43682596	43961779	0.84	cps
Lead	208-1	204506204	207634324	205306812	205815780	0.79	cps
Lithium	6-1	3267489	3190380	3224687	3227519	1.20	cps
Magnesium	24-2	3227419	3221576	3180807	3209934	0.79	cps
Manganese	55-2	2669365	2686916	2667569	2674616	0.40	cps
Molybdenum	94-1	26097	26254	26137	26162	0.31	cps
Molybdenum	95-1	14838	14601	14601	14680	0.93	cps
Molybdenum	96-1	19600	19393	19496	19496	0.53	cps
Molybdenum	97-1	9290	9036	9390	9239	1.97	cps
Molybdenum	98-1	23659	24190	24450	24100	1.67	cps
Neodymium	150-1	125112	123435	125005	124517	0.75	cps
Neodymium	150-2	72572	72103	72338	72338	0.32	cps
Nickel	60-2	36564	36561	36919	36681	0.56	cps
Phosphorus	31-2	39705	38599	39437	39247	1.47	cps
Potassium	39-2	4119541	4116787	4148964	4128431	0.43	cps
Rhodium	103-1	26963489	26623081	26503020	26696530	0.89	cps
Rhodium	103-2	15803027	15894173	15759761	15818987	0.43	cps
Scandium	45-1	16121916	16024392	15981846	16042718	0.45	cps
Scandium	45-2	1369659	1376946	1374807	1373804	0.27	cps
Selenium	82-1	1020	882	960	954	7.22	cps
Selenium	77-2	227	233	263	241	8.10	cps
Selenium	78-2	817	830	710	786	8.37	cps
Silicon	28-1	35599733	35762396	35901248	35754459	0.42	cps
Silver	107-1	20167	20772	20194	20378	1.68	cps
Silver	109-1	19200	19149	19126	19158	0.20	cps
Sodium	23-2	20211580	20287513	20077048	20192047	0.53	cps
Strontium	86-1	1769737	1731531	1743568	1748278	1.12	cps
Strontium	88-1	15305778	15118032	15085003	15169604	0.78	cps
Sulfur	34-1	799082	794179	782048	791770	1.11	cps
Terbium	159-1	33751393	33935747	33689544	33792228	0.38	cps
Terbium	159-2	22049831	21754956	22003846	21936211	0.72	cps
Thallium	203-1	3517	3190	3064	3257	7.18	cps
Thallium	205-1	7829	7672	7462	7654	2.40	cps
Tin	118-1	169592	171570	171687	170950	0.69	cps
Titanium	47-1	98451	99588	98484	98841	0.65	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	P4806-01DLX2	Instrumnet Name :	P7
Client Sample ID :	MH2GT6	Dilution Factor :	2
Date & Time Acquired :	2024-11-18 08:37:49	DataFile Name :	058SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	144143	144157	144543	144281	0.16	cps
Vanadium	51-2	55813	54729	55398	55313	0.99	cps
Yttrium	89-1	39013426	38952732	38547073	38837744	0.65	cps
Yttrium	89-2	9897091	9864992	9790362	9850815	0.56	cps
Zinc	66-2	1662437	1667187	1665948	1665191	0.15	cps
Zirconium	90-1	48403	48687	48527	48539	0.29	cps
Zirconium	91-1	10938	11351	10697	10995	3.01	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	CCV003	Instrumnet Name :	P7
Client Sample ID :	CCV003	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 08:40:47	DataFile Name :	059CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	27065205	26433504	27088695	26862468	1.38	cps
Antimony	121-1	11814570	12355257	12455336	12208387	2.82	cps
Arsenic	75-2	673163	673092	668514	671590	0.40	cps
Barium	135-1	14156701	14717411	14822949	14565687	2.46	cps
Barium	137-1	24359710	25472304	25509560	25113858	2.60	cps
Beryllium	9-1	1157799	1246818	1218211	1207609	3.76	cps
Bismuth	209-1	18577228	18239948	18065316	18294164	1.42	cps
Bismuth	209-2	13479162	13417788	13416039	13437663	0.27	cps
Bromine	81-1	16112	16039	16029	16060	0.28	cps
Bromine	81-2	197	200	177	191	6.60	cps
Cadmium	108-1	227530	237692	239786	235003	2.79	cps
Cadmium	106-1	328794	342648	342299	337914	2.34	cps
Cadmium	111-1	3188775	3277055	3267086	3244305	1.49	cps
Calcium	43-1	15339765	16017016	16077924	15811568	2.59	cps
Calcium	44-1	245750190	256914616	257697736	253454181	2.64	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	5089253	5067518	5043588	5066786	0.45	cps
Cobalt	59-2	8109369	8072260	8110356	8097328	0.27	cps
Copper	63-2	61203212	61146464	61022801	61124159	0.15	cps
Dysprosium	156-1	653	590	557	600	8.18	cps
Dysprosium	156-2	983	900	943	942	4.42	cps
Erbium	164-1	630	723	710	688	7.34	cps
Erbium	164-2	463	390	440	431	8.69	cps
Gadolinium	160-1	550	607	583	580	4.91	cps
Gadolinium	160-2	1330	1470	1437	1412	5.18	cps
Holmium	165-1	33631362	33128940	32797680	33185994	1.26	cps
Holmium	165-2	21847856	21733306	21706924	21762696	0.34	cps
Indium	115-1	27494111	26909457	26857599	27087056	1.30	cps
Indium	115-2	9296923	9362509	9316565	9325332	0.36	cps
Iron	56-2	1128205477	1141674863	1132747743	1134209361	0.60	cps
Iron	57-2	28536848	28029157	28340207	28302071	0.90	cps
Iron	54-2	62058002	61961866	61582406	61867425	0.41	cps
Krypton	83-1	347	333	390	357	8.31	cps

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	CCV003	Instrumnet Name :	P7
Client Sample ID :	CCV003	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 08:40:47	DataFile Name :	059CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	40688514	41385767	41721216	41265166	1.28	cps
Lead	207-1	35526889	36384249	36781679	36230939	1.77	cps
Lead	208-1	161098147	165518242	167313341	164643243	1.94	cps
Lithium	6-1	3098879	3064962	2945160	3036333	2.66	cps
Magnesium	24-2	230234170	230440463	233371823	231348819	0.76	cps
Manganese	55-2	38422674	38806039	38417505	38548739	0.58	cps
Molybdenum	94-1	41967239	43749236	44582244	43432907	3.08	cps
Molybdenum	95-1	61464174	63568529	64453249	63161984	2.43	cps
Molybdenum	96-1	67387171	69752129	70096766	69078688	2.14	cps
Molybdenum	97-1	38033084	39457072	39755769	39081975	2.36	cps
Molybdenum	98-1	98120165	101808622	102313442	100747410	2.27	cps
Neodymium	150-1	827	913	837	859	5.52	cps
Neodymium	150-2	257	260	270	262	2.65	cps
Nickel	60-2	2061667	2048860	2076676	2062401	0.68	cps
Phosphorus	31-2	255333	256214	252463	254670	0.77	cps
Potassium	39-2	133127105	134155281	133079841	133454076	0.46	cps
Rhodium	103-1	25339506	24850948	24496610	24895688	1.70	cps
Rhodium	103-2	14580772	14636969	14431201	14549647	0.73	cps
Scandium	45-1	16080364	15629296	15572525	15760728	1.77	cps
Scandium	45-2	1350825	1332848	1321415	1335029	1.11	cps
Selenium	82-1	184511	190555	191913	188993	2.08	cps
Selenium	77-2	19236	19299	19510	19348	0.74	cps
Selenium	78-2	64362	64751	64824	64646	0.38	cps
Silicon	28-1	20533493	21266592	21352186	21050757	2.14	cps
Silver	107-1	15541506	16221664	16189310	15984160	2.40	cps
Silver	109-1	14916040	15381403	15408143	15235195	1.82	cps
Sodium	23-2	361618568	358776715	361273901	360556395	0.43	cps
Strontium	86-1	3744046	3936589	3924394	3868343	2.79	cps
Strontium	88-1	32836326	34081414	34234335	33717358	2.27	cps
Sulfur	34-1	1262277	1295702	1332443	1296808	2.71	cps
Terbium	159-1	34356689	33305459	33579903	33747350	1.62	cps
Terbium	159-2	21739372	21563994	21456252	21586539	0.66	cps
Thallium	203-1	10282501	10517052	10700960	10500171	2.00	cps
Thallium	205-1	24547692	25368583	25144092	25020122	1.70	cps
Tin	118-1	9746841	9863066	10039074	9882994	1.49	cps
Titanium	47-1	14626745	15133761	15505955	15088820	2.92	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	CCV003	Instrumnet Name :	P7
Client Sample ID :	CCV003	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 08:40:47	DataFile Name :	059CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	30948468	31941345	32534822	31808211	2.52	cps
Vanadium	51-2	4472157	4471043	4485387	4476196	0.18	cps
Yttrium	89-1	38505158	37770284	37302954	37859466	1.60	cps
Yttrium	89-2	9518526	9698728	9537827	9585027	1.03	cps
Zinc	66-2	9770805	9786839	9779218	9778954	0.08	cps
Zirconium	90-1	20588702	21330186	21444131	21121006	2.20	cps
Zirconium	91-1	4504010	4665636	4742986	4637544	2.63	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	CCB003	Instrumnet Name :	P7
Client Sample ID :	CCB003	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 08:43:28	DataFile Name :	060CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	647	1801	527	992	70.98	cps
Antimony	121-1	4181	4901	6365	5149	21.62	cps
Arsenic	75-2	27	43	37	36	23.58	cps
Barium	135-1	1163	740	503	802	41.68	cps
Barium	137-1	1970	1180	923	1358	40.18	cps
Beryllium	9-1	233	167	94	165	42.15	cps
Bismuth	209-1	19953505	20065473	20173113	20064031	0.55	cps
Bismuth	209-2	15624380	15291887	15353054	15423107	1.15	cps
Bromine	81-1	15732	15622	15532	15628	0.64	cps
Bromine	81-2	163	137	123	141	14.43	cps
Cadmium	108-1	53	30	33	39	32.45	cps
Cadmium	106-1	10150	9880	9627	9886	2.65	cps
Cadmium	111-1	7505	7122	6919	7182	4.14	cps
Calcium	43-1	1687	1260	993	1313	26.63	cps
Calcium	44-1	45485	38225	33337	39016	15.67	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4511	4621	4267	4466	4.05	cps
Cobalt	59-2	293	397	240	310	25.70	cps
Copper	63-2	2674	3187	2464	2775	13.42	cps
Dysprosium	156-1	30	10	27	22	48.22	cps
Dysprosium	156-2	3	23	17	14	70.51	cps
Erbium	164-1	157	107	137	133	18.87	cps
Erbium	164-2	87	137	63	96	39.21	cps
Gadolinium	160-1	103	123	123	117	9.90	cps
Gadolinium	160-2	1087	1197	1093	1126	5.48	cps
Holmium	165-1	33535264	32893837	33342235	33257112	0.99	cps
Holmium	165-2	22457435	22505759	22330302	22431165	0.40	cps
Indium	115-1	28795902	28911087	28730658	28812549	0.32	cps
Indium	115-2	9936410	9955720	9969262	9953797	0.17	cps
Iron	56-2	41591	61655	35308	46185	29.80	cps
Iron	57-2	1987	2360	1713	2020	16.07	cps
Iron	54-2	4781	5799	4424	5001	14.27	cps
Krypton	83-1	307	310	240	286	13.83	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	CCB003	Instrumnet Name :	P7
Client Sample ID :	CCB003	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 08:43:28	DataFile Name :	060CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4674	3384	2817	3625	26.26	cps
Lead	207-1	4051	3150	2294	3165	27.76	cps
Lead	208-1	18659	13933	11029	14540	26.49	cps
Lithium	6-1	3255205	3269653	3268322	3264394	0.24	cps
Magnesium	24-2	4437	17138	2907	8161	95.73	cps
Manganese	55-2	913	1707	697	1106	48.12	cps
Molybdenum	94-1	4621	3584	3317	3841	17.93	cps
Molybdenum	95-1	5481	4127	3767	4459	20.27	cps
Molybdenum	96-1	6131	4541	4127	4933	21.45	cps
Molybdenum	97-1	3504	2477	2194	2725	25.30	cps
Molybdenum	98-1	9537	6205	6005	7249	27.37	cps
Neodymium	150-1	10	17	7	11	45.82	cps
Neodymium	150-2	0	30	3	11	148.01	cps
Nickel	60-2	197	183	170	183	7.27	cps
Phosphorus	31-2	463	440	447	450	2.67	cps
Potassium	39-2	83628	88695	83085	85136	3.63	cps
Rhodium	103-1	27296019	27454976	27440643	27397213	0.32	cps
Rhodium	103-2	16308937	16289602	16335588	16311376	0.14	cps
Scandium	45-1	15850549	15800756	15626563	15759289	0.75	cps
Scandium	45-2	1357500	1369843	1365200	1364181	0.46	cps
Selenium	82-1	677	581	724	661	11.02	cps
Selenium	77-2	0	0	3	1	173.21	cps
Selenium	78-2	587	513	543	548	6.73	cps
Silicon	28-1	1355501	1342240	1308114	1335285	1.83	cps
Silver	107-1	1867	1333	950	1383	33.28	cps
Silver	109-1	1827	1177	847	1283	38.86	cps
Sodium	23-2	53603	80309	51021	61644	26.30	cps
Strontium	86-1	787	703	640	710	10.36	cps
Strontium	88-1	2774	1823	1287	1961	38.39	cps
Sulfur	34-1	314134	316838	312134	314369	0.75	cps
Terbium	159-1	34602500	34078847	34349800	34343716	0.76	cps
Terbium	159-2	22147190	22394801	22307771	22283254	0.56	cps
Thallium	203-1	1420	980	840	1080	28.02	cps
Thallium	205-1	3184	2374	2137	2565	21.41	cps
Tin	118-1	5368	4291	4307	4656	13.26	cps
Titanium	47-1	1420	1013	727	1053	33.08	cps

Reviewed By:Mohan
On:11/19/2024 1:25:53 AM
Inst Id :P7

LB Number :	LB133504	Operator :	Jaswal
Lab Sample ID :	CCB003	Instrumnet Name :	P7
Client Sample ID :	CCB003	Dilution Factor :	1
Date & Time Acquired :	2024-11-18 08:43:28	DataFile Name :	060CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	2180	1500	933	1538	40.59	cps
Vanadium	51-2	87	157	50	98	55.43	cps
Yttrium	89-1	38224514	38328708	38084764	38212662	0.32	cps
Yttrium	89-2	9844012	9730387	9772609	9782336	0.59	cps
Zinc	66-2	913	1070	733	906	18.61	cps
Zirconium	90-1	3964	3731	3827	3841	3.05	cps
Zirconium	91-1	773	747	903	808	10.38	cps

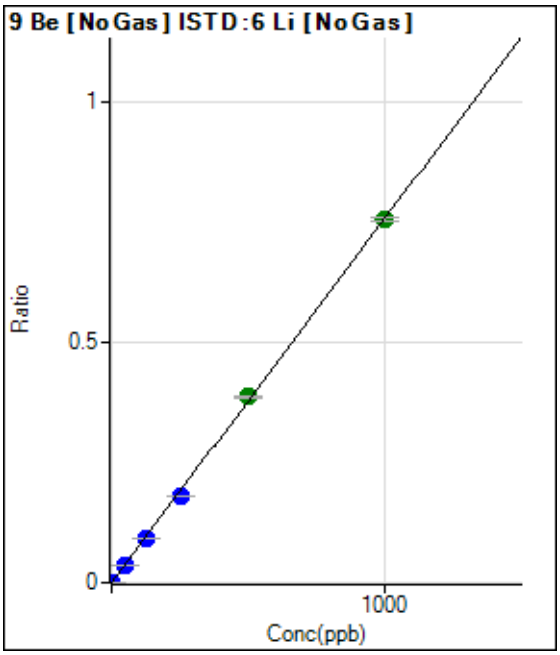
Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

Calibration for 005CALS.d

Batch Folder: D:\Agilent\ICPMH\1\DATA\P7112024 MS.b\
Analysis File: P7112024 MS.batch.bin
DA Date-Time: 2024-11-20 12:24:27
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	004CALB.d	S00	2024-11-20 09:21:55
2	006CALS.d	S02	2024-11-20 09:28:28
3	007CALS.d	S03	2024-11-20 09:31:44
4	008CALS.d	S04	2024-11-20 09:34:40
5	009CALS.d	S05	2024-11-20 09:37:26
6	010CALS.d	S06	2024-11-20 09:40:14
7	011CALS.d	S07	2024-11-20 09:42:59
8	012CALS.d	S08	2024-11-20 09:45:46

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	42.60	0.0000	P	7.1
2	☐	1.000	0.981	2535.44	0.0008	P	5.8
3	☐	50.000	49.861	129684.64	0.0378	P	1.2
4	☐	125.000	122.794	312425.18	0.0931	P	1.3
5	☐	250.000	239.375	625429.35	0.1814	P	0.3
6	☐	500.000	511.048	1296531.41	0.3872	A	1.5
7	☐	1000.000	997.415	2569230.99	0.7557	A	1.0
8	☐			348.16	0.0001	P	29.

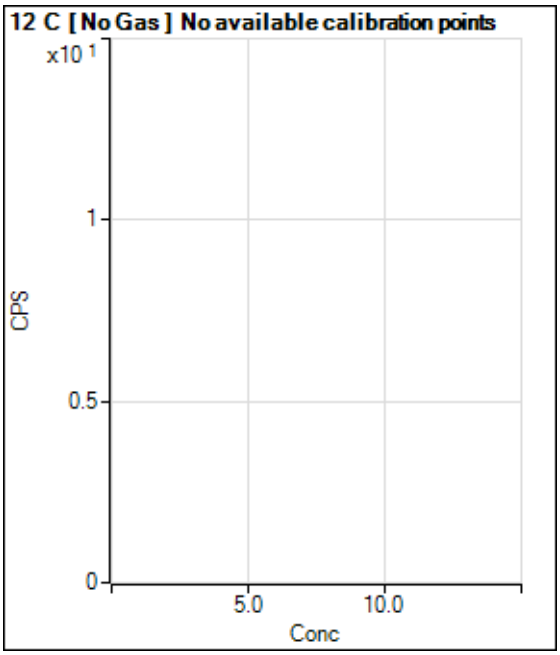
y = 7.5768E-004 * x + 1.2690E-005

R = 0.9998

DL = 0.003556

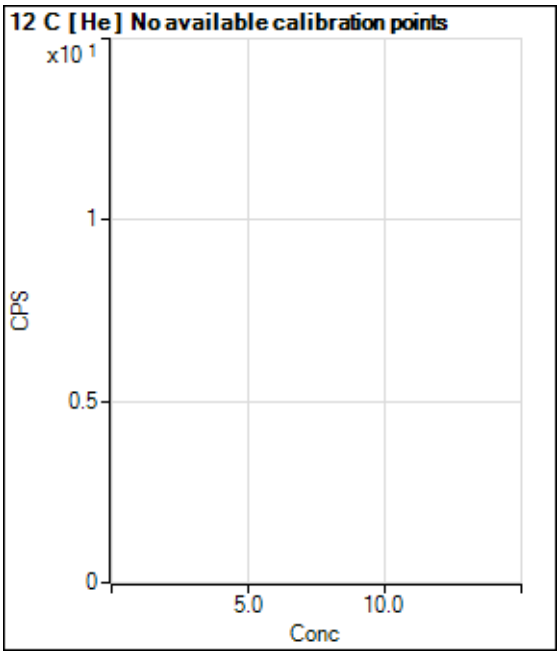
Weight: <None>

Min Conc: 0

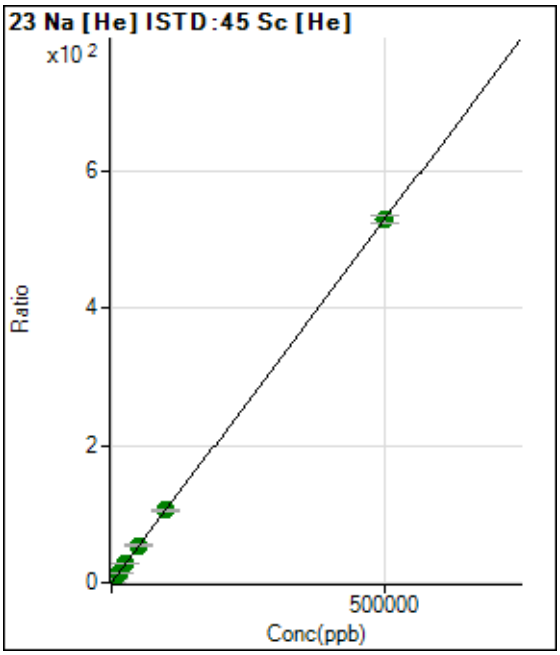


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7



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

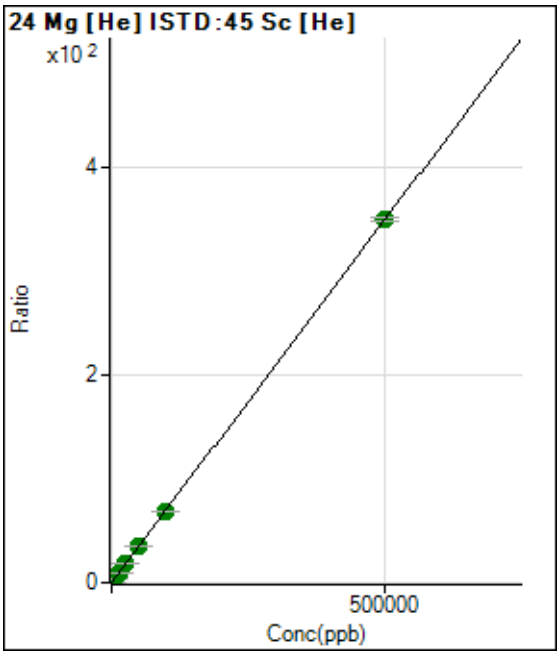


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	77407.60	0.0588	P	1.0
2	☐	500.000	497.785	758778.84	0.5848	P	1.2
3	☐	5000.000	5331.763	7361465.79	5.6934	A	0.6
4	☐	12500.000	13110.589	17574943.35	13.9141	A	0.8
5	☐	25000.000	26335.397	34883920.31	27.8902	A	1.3
6	☐	50000.000	51578.773	68157330.65	54.5676	A	1.0
7	☐	100000.00	99400.411	138094496.83	105.1058	A	0.9
8	☐	500000.00	499876.69	673498563.30	528.3318	A	2.2

y = 0.0011 * x + 0.0588
R = 1.0000
DL = 1.705

Weight: <None>
Min Conc: 0

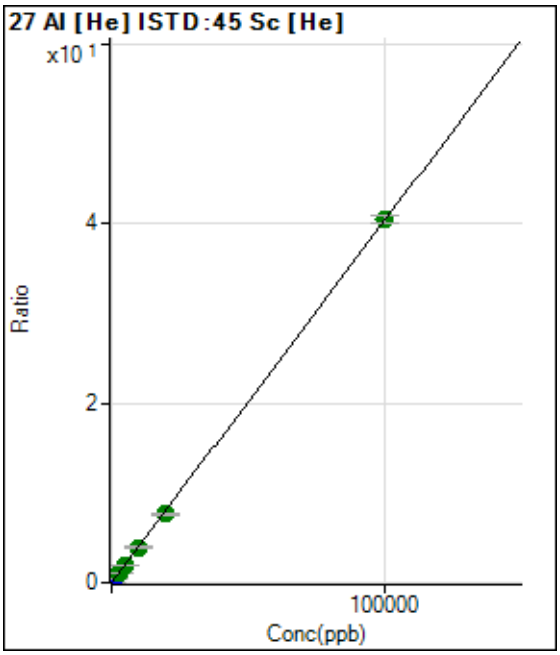
Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3397.08	0.0026	P	0.9
2	☐	500.000	492.795	449212.86	0.3462	P	1.1
3	☐	5000.000	5167.040	4662284.55	3.6058	A	0.3
4	☐	12500.000	12708.617	11197486.78	8.8650	A	0.9
5	☐	25000.000	25325.318	22093189.11	17.6633	A	0.9
6	☐	50000.000	49601.116	43207502.14	34.5922	A	0.9
7	☐	100000.00	97295.196	89152315.34	67.8519	A	0.3
8	☐	500000.00	500557.70	445048380.04	349.0693	A	1.0

y = 6.9736E-004 * x + 0.0026
R = 1.0000
DL = 0.1023

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	723.62	0.0005	P	10.
2	☐	20.000	19.115	10705.23	0.0083	P	2.8
3	☐	1000.000	981.923	512270.18	0.3962	P	0.5
4	☐	2500.000	2501.137	1273673.61	1.0083	A	0.4
5	☐	5000.000	4947.573	2494011.42	1.9941	A	1.8
6	☐	10000.000	9771.775	4918463.50	3.9379	A	1.5
7	☐	20000.000	18889.198	10000644.81	7.6116	A	0.6
8	☐	100000.00	100247.75	51491778.59	40.3933	A	2.1

y = 4.0293E-004 * x + 5.4961E-004
R = 0.9999
DL = 0.4297

Weight: <None>
Min Conc: 0

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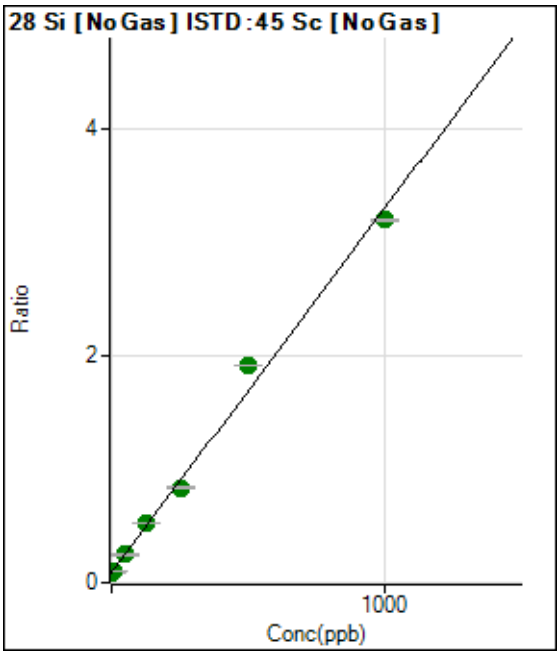
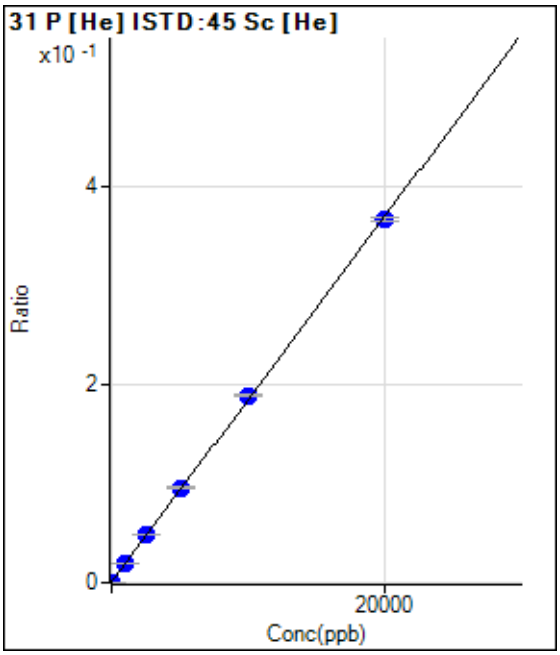


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1430812.43	0.0891	A	1.4
2	☐	10.000	1.612	1489156.09	0.0942	A	0.8
3	☐	50.000	48.942	3972184.87	0.2462	A	1.2
4	☐	125.000	134.624	8143860.99	0.5214	A	0.9
5	☐	250.000	233.082	13190165.08	0.8375	A	1.8
6	☐	500.000	568.644	29627983.72	1.9151	A	0.7
7	☐	1000.000	968.841	50613331.47	3.2002	A	0.2
8	☐			1346152.92	0.0872	A	2.4

y = 0.0032 * x + 0.0891
R = 0.9962
DL = 1.198

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-13.982	514.46	0.0004	P	19.
2	☐	0.000	13.982	1175.61	0.0009	P	8.5
3	☐	1000.000	1049.008	25844.10	0.0200	P	1.6
4	☐	2500.000	2581.778	60942.98	0.0482	P	0.7
5	☐	5000.000	5161.081	119819.02	0.0958	P	1.4
6	☐	10000.000	10229.265	236356.82	0.1892	P	1.4
7	☐	20000.000	19832.425	481226.13	0.3663	P	1.1
8	☐			490.02	0.0004	P	7.2

y = 1.8436E-005 * x + 6.4878E-004
R = 0.9999
DL = 12.32

Weight: <None>
Min Conc: 0

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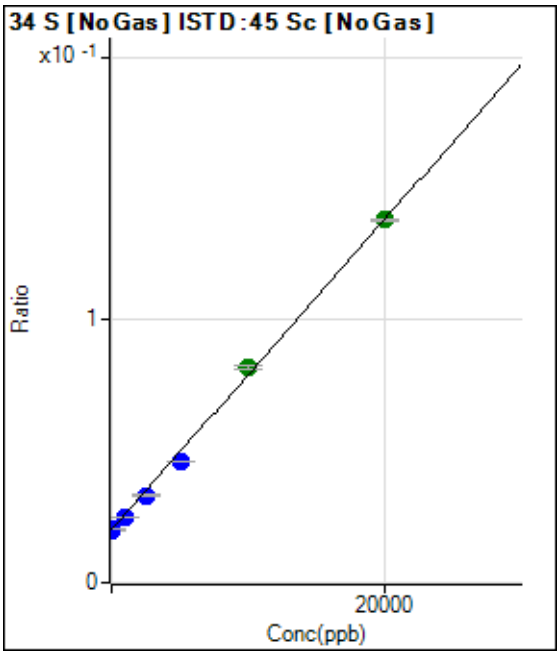


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-14.013	322492.71	0.0201	P	1.7
2	☐	0.000	14.013	319813.45	0.0202	P	1.0
3	☐	1000.000	793.925	400803.32	0.0248	P	0.5
4	☐	2500.000	2218.248	519370.55	0.0333	P	1.1
5	☐	5000.000	4363.804	723131.99	0.0459	P	0.5
6	☐	10000.000	10457.855	1266654.66	0.0819	A	1.9
7	☐	20000.000	19975.644	2183289.59	0.1381	A	0.6
8	☐			254251.02	0.0165	P	1.4

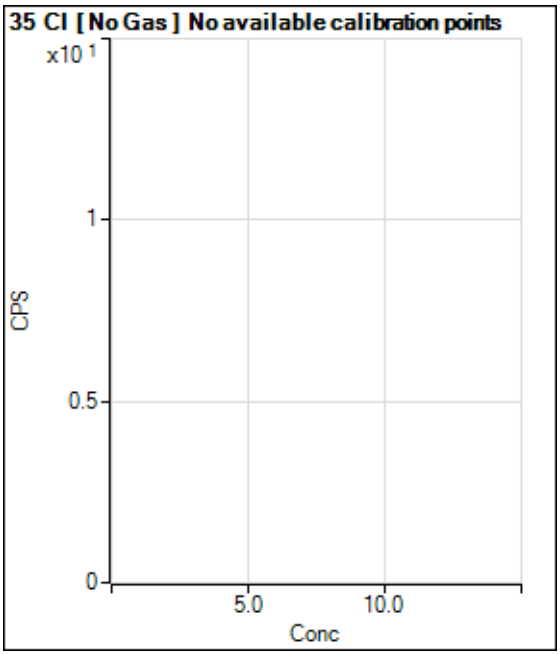
y = 5.9017E-006 * x + 0.0202

R = 0.9991

DL = 138.7

Weight: <None>

Min Conc: 0



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

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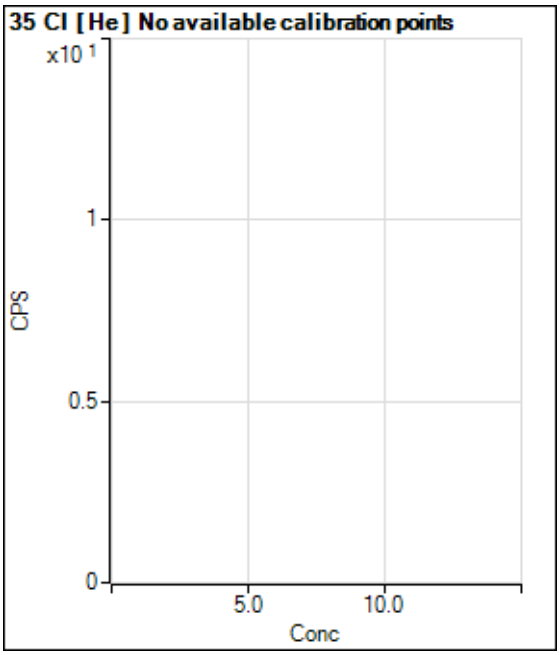
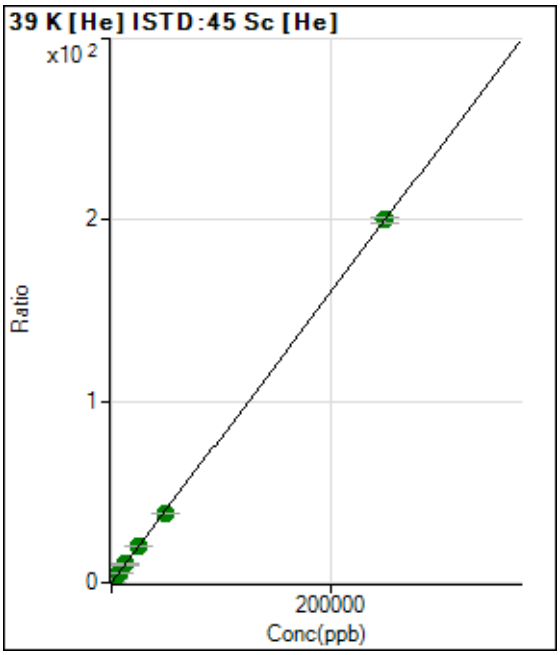


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	78080.94	0.0593	P	1.6
2	☐	500.000	519.057	614918.94	0.4740	P	1.2
3	☐	2500.000	2546.038	2706553.40	2.0933	A	0.4
4	☐	6250.000	6282.888	6414696.57	5.0786	A	1.1
5	☐	12500.000	12562.547	12627194.53	10.0953	A	0.8
6	☐	25000.000	24587.192	24609174.08	19.7016	A	0.3
7	☐	50000.000	47703.787	50147682.58	38.1690	A	1.1
8	☐	250000.00	250496.07	255204260.64	200.1763	A	1.5

y = 7.9888E-004 * x + 0.0593
R = 1.0000
DL = 3.661

Weight: <None>
Min Conc: 0

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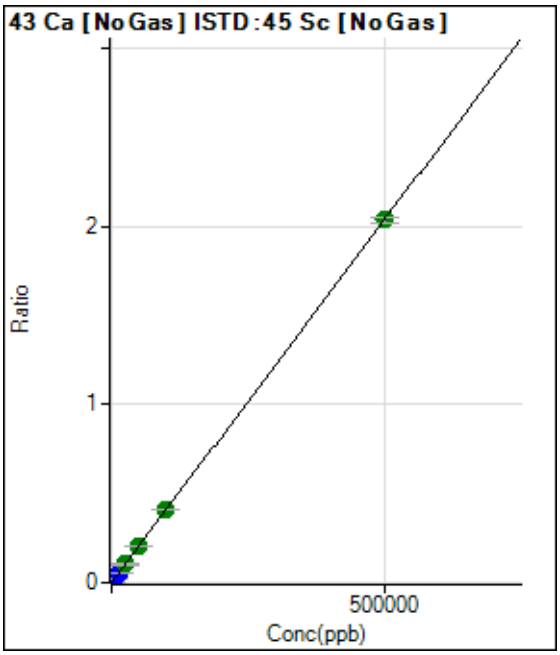
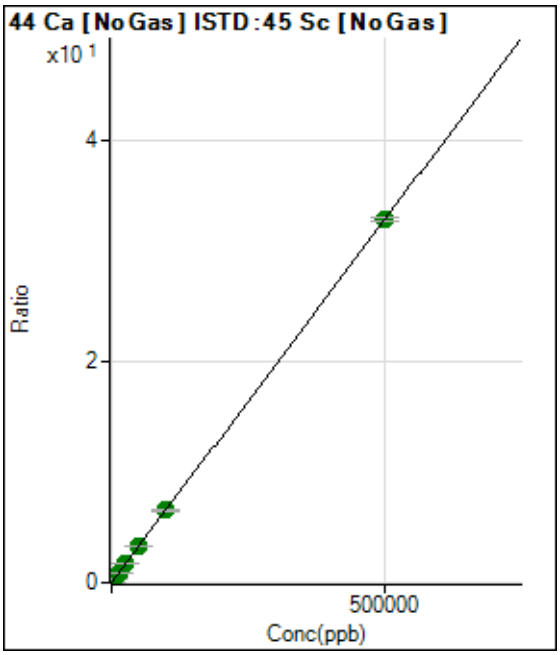


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	7334.05	0.0005	P	3.1
2	☐	500.000	531.058	41444.35	0.0026	P	1.8
3	☐	5000.000	5220.048	350857.43	0.0217	P	0.4
4	☐	12500.000	12900.628	829096.00	0.0531	P	0.5
5	☐	25000.000	25311.685	1633151.97	0.1037	A	2.0
6	☐	50000.000	50216.895	3176050.44	0.2053	A	0.9
7	☐	100000.00	100435.28	6486478.45	0.4101	A	0.4
8	☐	500000.00	499863.42	31494786.75	2.0394	A	1.3

y = 4.0790E-006 * x + 4.5663E-004
R = 1.0000
DL = 10.45

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	138566.01	0.0086	P	1.0
2	☐	500.000	527.447	683434.61	0.0433	P	2.2
3	☐	5000.000	5052.335	5489966.31	0.3403	A	1.0
4	☐	12500.000	12626.495	13082515.78	0.8376	A	0.7
5	☐	25000.000	25133.188	26122922.94	1.6586	A	0.4
6	☐	50000.000	49803.704	50716834.24	3.2782	A	0.6
7	☐	100000.00	99741.355	103693154.01	6.5566	A	1.2
8	☐	500000.00	500060.98	507117499.11	32.8375	A	0.9

y = 6.5650E-005 * x + 0.0086
R = 1.0000
DL = 3.874

Weight: <None>
Min Conc: 0

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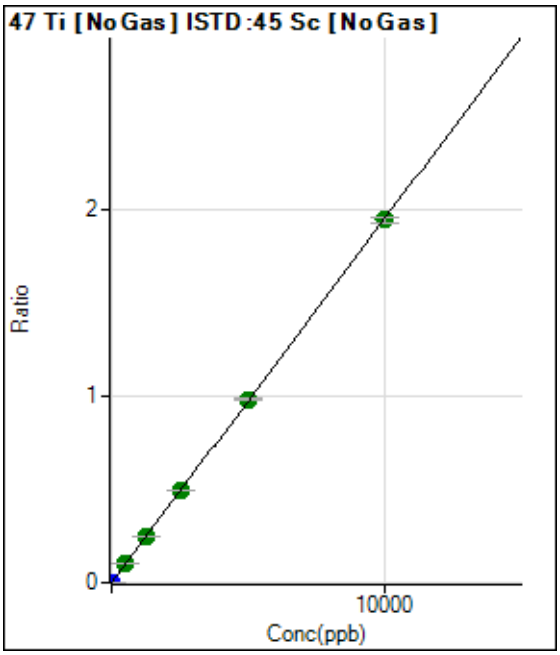
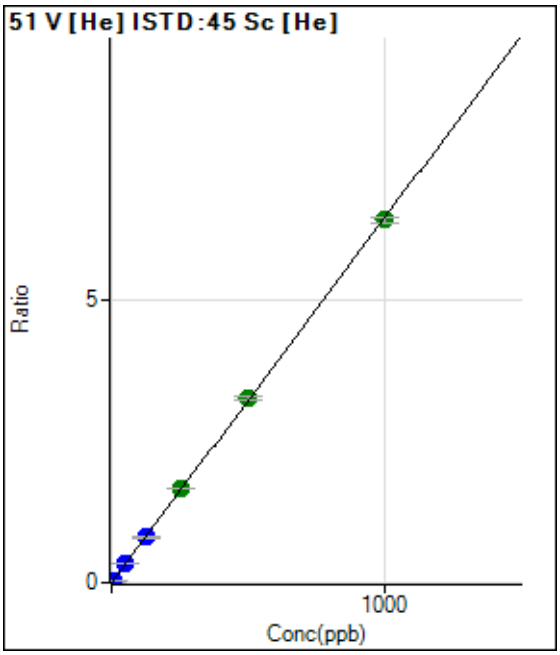


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	225.56	0.0000	P	9.4
2	☐	5.000	5.015	15640.39	0.0010	P	2.8
3	☐	500.000	515.043	1616810.05	0.1002	A	0.9
4	☐	1250.000	1260.573	3831319.91	0.2453	A	0.8
5	☐	2500.000	2523.424	7733125.65	0.4910	A	0.6
6	☐	5000.000	5035.225	15156992.14	0.9797	A	0.9
7	☐	10000.000	9974.458	30692216.21	1.9407	A	1.4
8	☐			4360.67	0.0003	P	6.2

y = 1.9457E-004 * x + 1.4049E-005
R = 1.0000
DL = 0.02043

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	47.78	0.0000	P	13.
2	☐	5.000	5.167	43246.29	0.0333	P	2.0
3	☐	50.000	50.288	419065.91	0.3241	P	0.7
4	☐	125.000	124.213	1011124.72	0.8005	P	0.6
5	☐	250.000	258.169	2080881.91	1.6638	A	1.8
6	☐	500.000	506.331	4075556.29	3.2630	A	1.3
7	☐	1000.000	994.875	8423390.71	6.4113	A	1.2
8	☐			2181.29	0.0017	P	8.3

y = 0.0064 * x + 3.6247E-005
R = 0.9999
DL = 0.002327

Weight: <None>
Min Conc: 0

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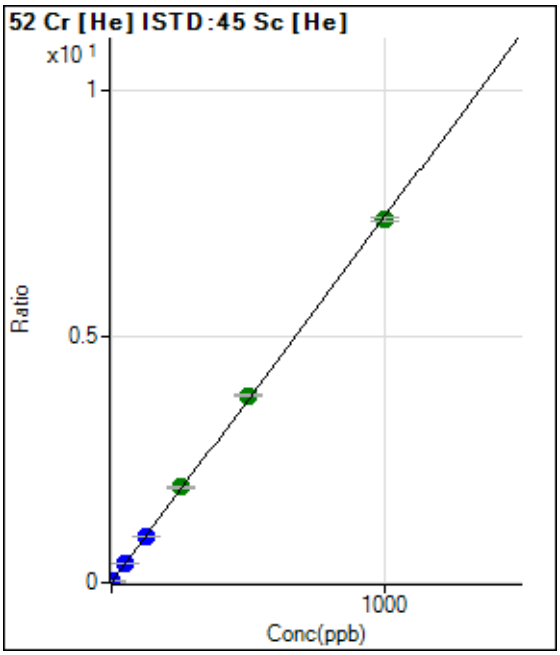
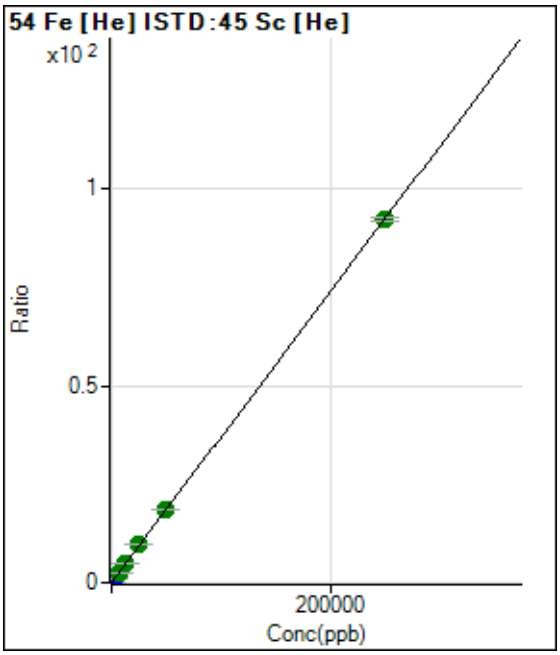


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	6798.26	0.0052	P	1.2
2	☐	2.000	2.131	27216.85	0.0210	P	1.8
3	☐	50.000	51.159	497664.86	0.3849	P	0.5
4	☐	125.000	126.349	1191107.87	0.9430	P	0.9
5	☐	250.000	259.915	2419403.80	1.9344	A	1.9
6	☐	500.000	511.385	4747507.26	3.8010	A	1.7
7	☐	1000.000	991.602	9676959.37	7.3655	A	1.2
8	☐			17638.16	0.0138	P	2.5

y = 0.0074 * x + 0.0052
R = 0.9998
DL = 0.02479

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	5146.48	0.0039	P	1.9
2	☐	50.000	56.121	31907.16	0.0246	P	1.9
3	☐	2500.000	2722.685	1302697.89	1.0075	P	0.3
4	☐	6250.000	6638.060	3095429.68	2.4508	A	2.2
5	☐	12500.000	13380.185	6173389.56	4.9360	A	2.2
6	☐	25000.000	26339.854	12131591.34	9.7131	A	1.7
7	☐	50000.000	50487.377	24456489.64	18.6141	A	0.6
8	☐	250000.00	249712.60	117363443.81	92.0507	A	1.2

y = 3.6861E-004 * x + 0.0039
R = 1.0000
DL = 0.5956

Weight: <None>
Min Conc: 0

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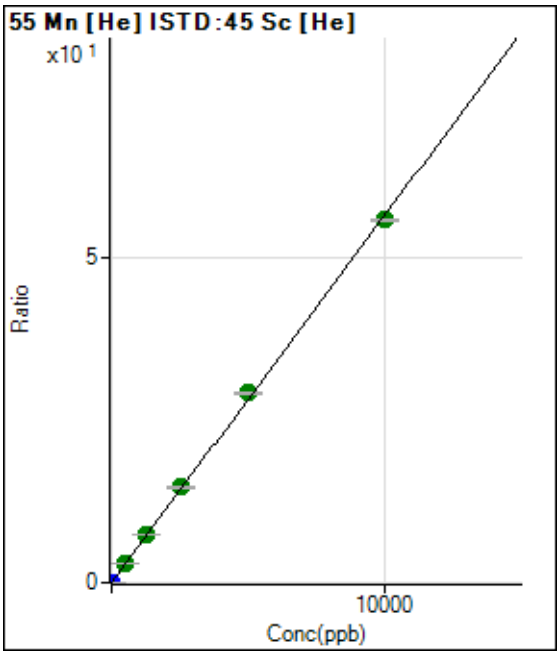
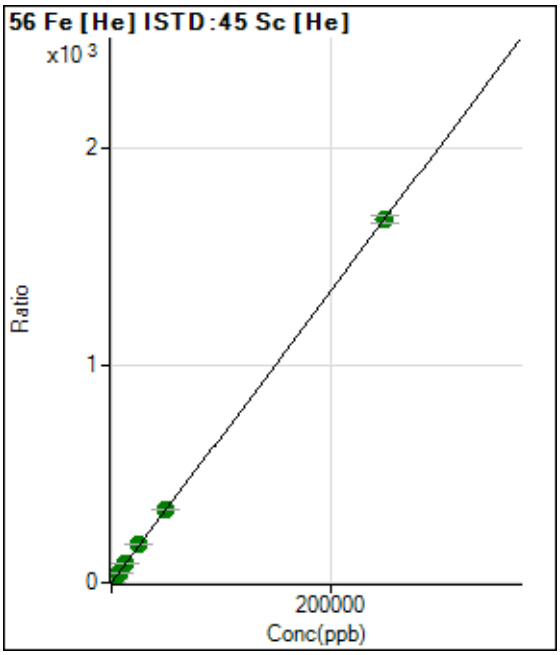


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	14096.69	0.0107	P	1.0
2	☐	1.000	1.043	21513.22	0.0166	P	2.1
3	☐	500.000	521.331	3811613.62	2.9480	A	1.1
4	☐	1250.000	1290.984	9200637.85	7.2843	A	1.4
5	☐	2500.000	2604.927	18369635.56	14.6873	A	1.8
6	☐	5000.000	5162.947	36345393.35	29.0996	A	1.8
7	☐	10000.000	9886.105	73195878.35	55.7107	A	0.7
8	☐			38544.86	0.0302	P	1.4

y = 0.0056 * x + 0.0107
R = 0.9997
DL = 0.05745

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	39899.66	0.0303	P	1.6
2	☐	50.000	55.418	519705.61	0.4006	P	1.4
3	☐	2500.000	2691.457	23290889.65	18.0135	A	0.4
4	☐	6250.000	6649.152	56152609.72	44.4571	A	1.4
5	☐	12500.000	13408.108	112090228.33	89.6176	A	1.4
6	☐	25000.000	26464.353	220885441.15	176.8538	A	2.2
7	☐	50000.000	50463.640	443042477.84	337.2069	A	0.7
8	☐	250000.00	249703.53	2127026546.0	1,668.443	A	2.0

y = 0.0067 * x + 0.0303
R = 1.0000
DL = 0.2148

Weight: <None>
Min Conc: 0

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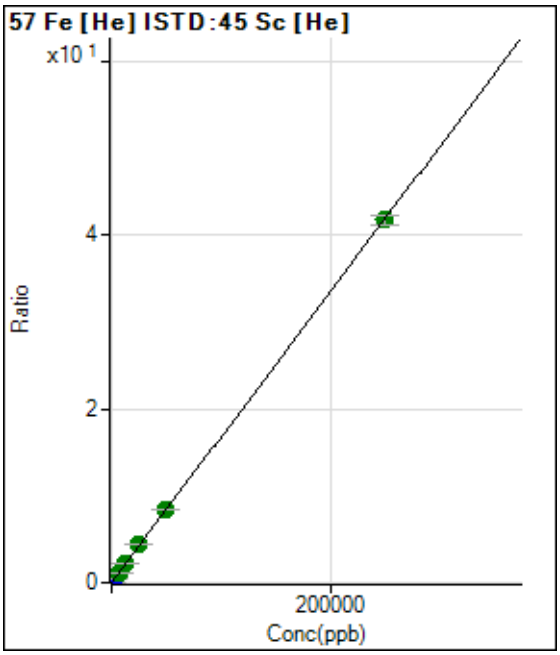
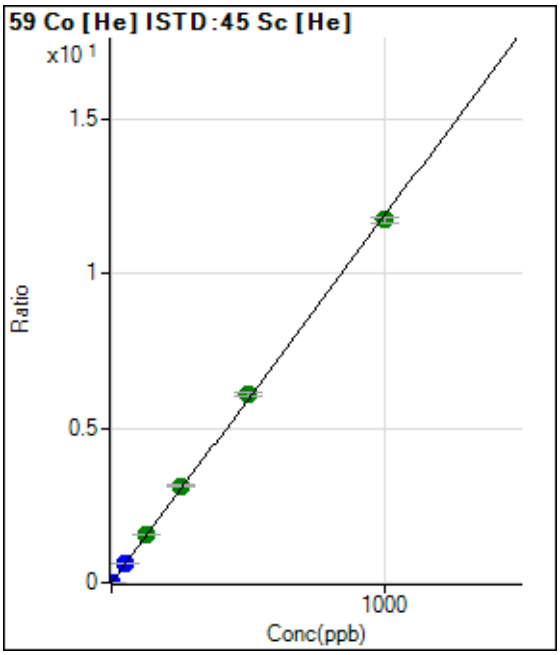


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1944.59	0.0015	P	5.0
2	☐	50.000	57.332	14364.73	0.0111	P	2.7
3	☐	2500.000	2714.444	589340.65	0.4558	P	0.6
4	☐	6250.000	6698.576	1418019.68	1.1226	A	1.0
5	☐	12500.000	13354.673	2797391.80	2.2367	A	2.2
6	☐	25000.000	26138.921	5466105.75	4.3765	A	1.9
7	☐	50000.000	50409.685	11087698.44	8.4387	A	0.4
8	☐	250000.00	249748.07	53288004.21	41.8028	A	2.5

y = 1.6737E-004 * x + 0.0015
R = 1.0000
DL = 1.324

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	387.78	0.0003	P	7.8
2	☐	1.000	1.111	17474.71	0.0135	P	2.3
3	☐	50.000	52.268	802087.35	0.6203	P	0.3
4	☐	125.000	131.331	1968303.44	1.5583	A	0.2
5	☐	250.000	262.612	3896786.23	3.1156	A	1.8
6	☐	500.000	514.666	7626012.04	6.1057	A	1.8
7	☐	1000.000	988.609	15409475.05	11.7281	A	1.4
8	☐			38690.86	0.0303	P	0.5

y = 0.0119 * x + 2.9439E-004
R = 0.9997
DL = 0.005819

Weight: <None>
Min Conc: 0

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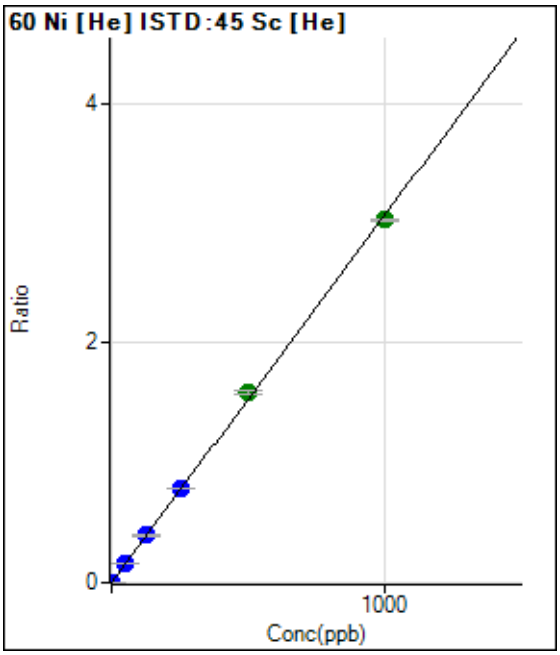


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	810.03	0.0006	P	6.2
2	☐	1.000	1.066	5036.44	0.0039	P	2.3
3	☐	50.000	52.552	208964.59	0.1616	P	0.5
4	☐	125.000	128.299	497262.86	0.3937	P	0.3
5	☐	250.000	256.077	982044.78	0.7851	P	1.0
6	☐	500.000	519.232	1987660.20	1.5914	A	1.4
7	☐	1000.000	988.325	3979099.56	3.0285	A	0.9
8	☐			10858.45	0.0085	P	3.2

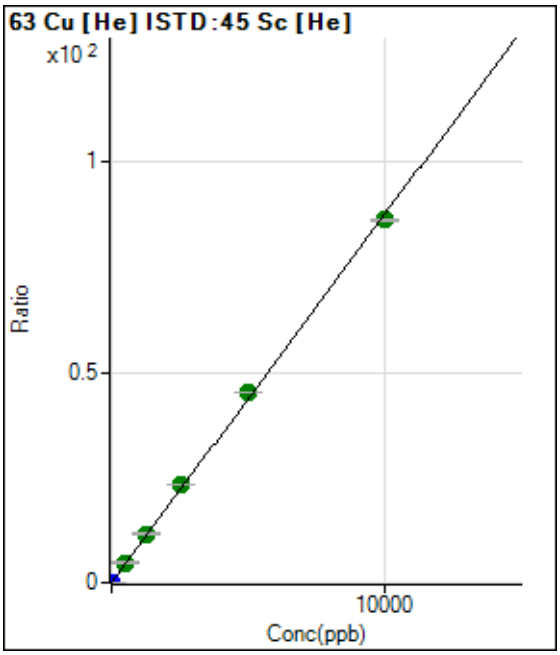
y = 0.0031 * x + 6.1497E-004

R = 0.9997

DL = 0.03747

Weight: <None>

Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2401.33	0.0018	P	8.5
2	☐	2.000	2.070	25884.73	0.0199	P	0.3
3	☐	500.000	546.788	6191844.84	4.7888	A	0.9
4	☐	1250.000	1332.324	14735168.81	11.6660	A	1.6
5	☐	2500.000	2664.195	29176719.57	23.3262	A	0.9
6	☐	5000.000	5172.513	56564351.94	45.2859	A	0.9
7	☐	10000.000	9860.065	113419124.98	86.3243	A	0.5
8	☐			20943.63	0.0164	P	4.5

y = 0.0088 * x + 0.0018

R = 0.9996

DL = 0.05289

Weight: <None>

Min Conc: 0

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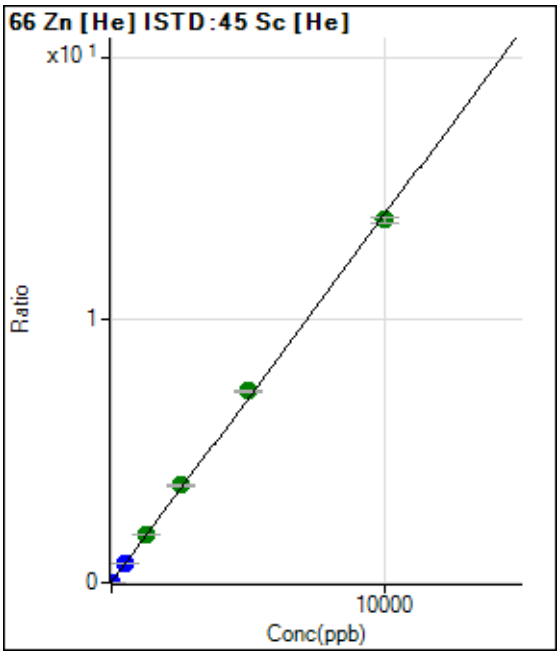
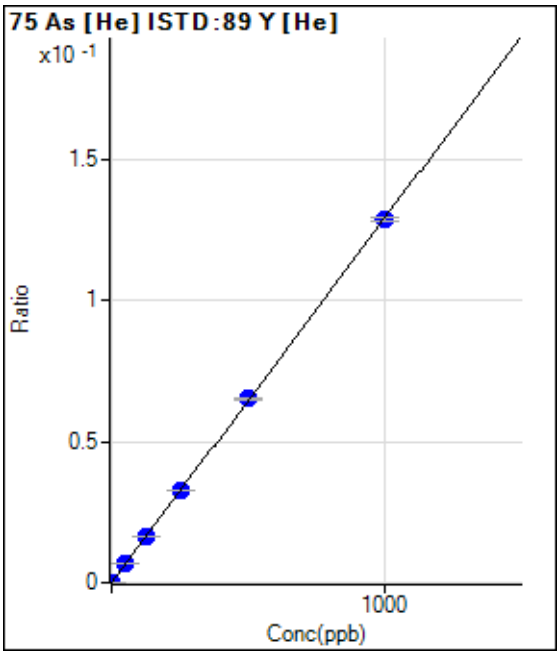


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	14096.73	0.0107	P	1.5
2	☐	2.000	4.899	22781.88	0.0176	P	1.1
3	☐	500.000	523.700	961425.59	0.7436	P	0.6
4	☐	1250.000	1310.929	2330765.40	1.8452	A	0.6
5	☐	2500.000	2641.711	4637452.85	3.7076	A	1.1
6	☐	5000.000	5199.444	9101615.56	7.2869	A	1.1
7	☐	10000.000	9856.048	18135292.37	13.8035	A	1.3
8	☐			10489.32	0.0082	P	1.6

y = 0.0014 * x + 0.0107
R = 0.9996
DL = 0.3361

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	12.22	0.0000	P	68.
2	☐	1.000	1.116	1320.07	0.0001	P	7.8
3	☐	50.000	52.532	62298.92	0.0068	P	0.7
4	☐	125.000	127.876	150159.67	0.0165	P	0.4
5	☐	250.000	252.304	299637.66	0.0326	P	0.8
6	☐	500.000	505.787	592541.06	0.0653	P	0.8
7	☐	1000.000	996.044	1196032.65	0.1286	P	1.0
8	☐			677.80	0.0001	P	6.0

y = 1.2913E-004 * x + 1.3381E-006
R = 1.0000
DL = 0.02141

Weight: <None>
Min Conc: 0

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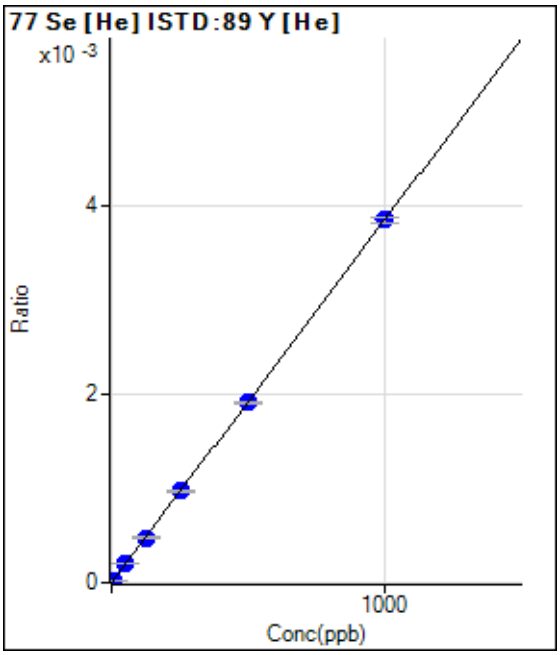
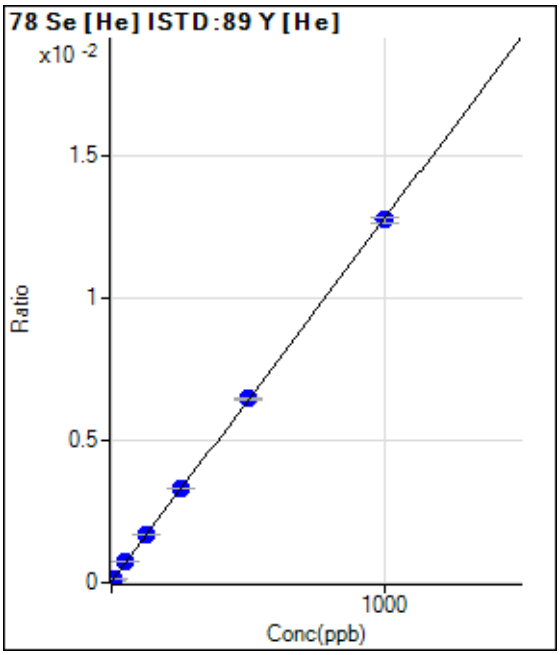


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	0.00	0.0000	P	
2	☐	5.000	5.465	191.11	0.0000	P	6.5
3	☐	50.000	53.614	1895.70	0.0002	P	2.7
4	☐	125.000	123.365	4319.55	0.0005	P	3.3
5	☐	250.000	252.257	8932.75	0.0010	P	2.1
6	☐	500.000	496.801	17356.98	0.0019	P	1.6
7	☐	1000.000	1001.057	35843.33	0.0039	P	1.8
8	☐			8.89	0.0000	P	21.

y = 3.8505E-006 * x + 0.0000E+000
R = 1.0000
DL = 0

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	422.23	0.0000	P	5.1
2	☐	5.000	5.487	1053.38	0.0001	P	6.7
3	☐	50.000	54.421	6783.84	0.0007	P	2.5
4	☐	125.000	128.027	15234.59	0.0017	P	0.9
5	☐	250.000	255.039	30272.06	0.0033	P	0.9
6	☐	500.000	503.339	58529.50	0.0065	P	0.5
7	☐	1000.000	996.469	118340.44	0.0127	P	1.3
8	☐			483.35	0.0001	P	5.1

y = 1.2725E-005 * x + 4.6227E-005
R = 1.0000
DL = 0.553

Weight: <None>
Min Conc: 0

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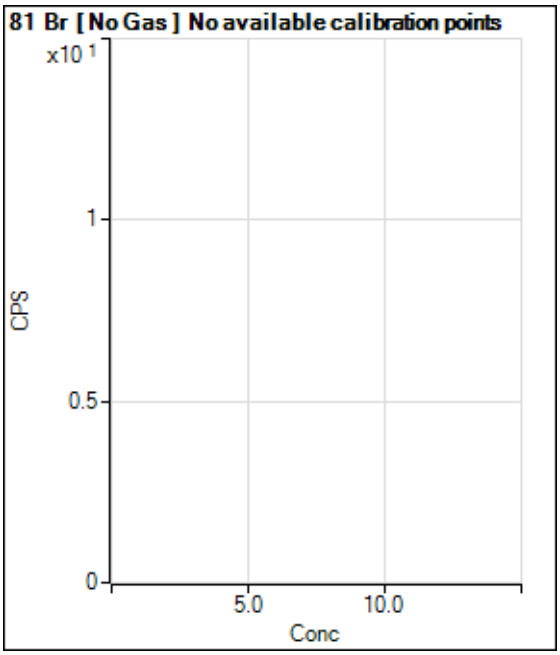
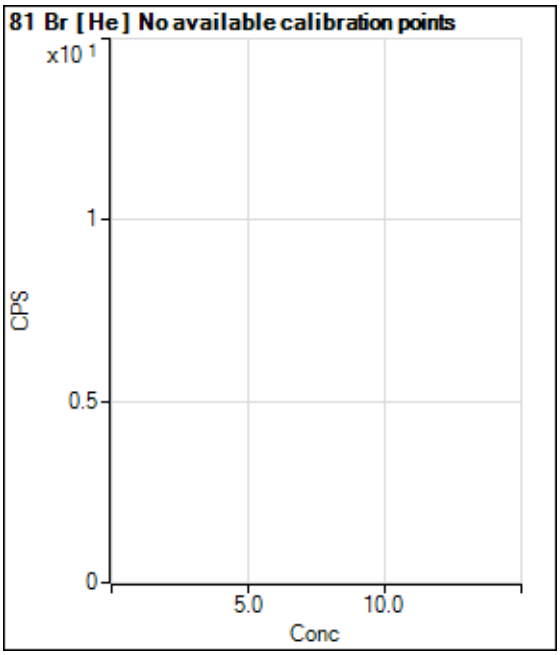


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			15893.12		P	1.0
2	☐			15247.98		P	2.4
3	☐			14733.01		P	3.4
4	☐			14836.41		P	2.2
5	☐			14818.63		P	0.9
6	☐			14856.47		P	2.6
7	☐			15451.51		P	3.0
8	☐			17052.16		P	2.0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			112.22		P	15.
2	☐			84.44		P	25.
3	☐			90.00		P	9.8
4	☐			96.67		P	13.
5	☐			92.22		P	14.
6	☐			100.00		P	11.
7	☐			116.67		P	15.
8	☐			151.11		P	14.

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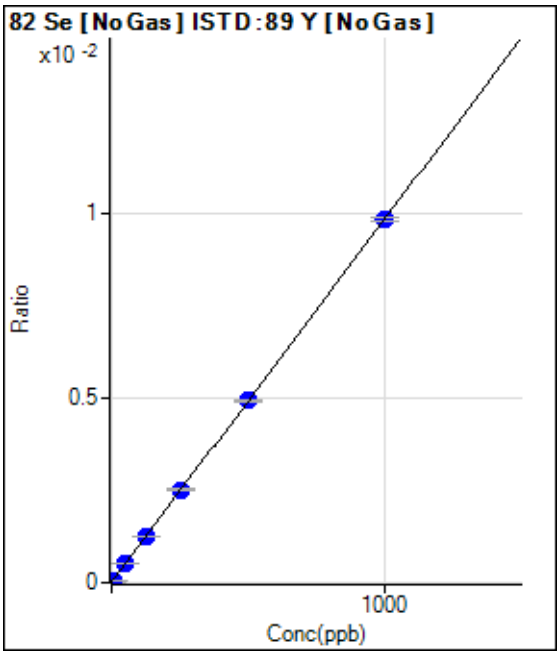
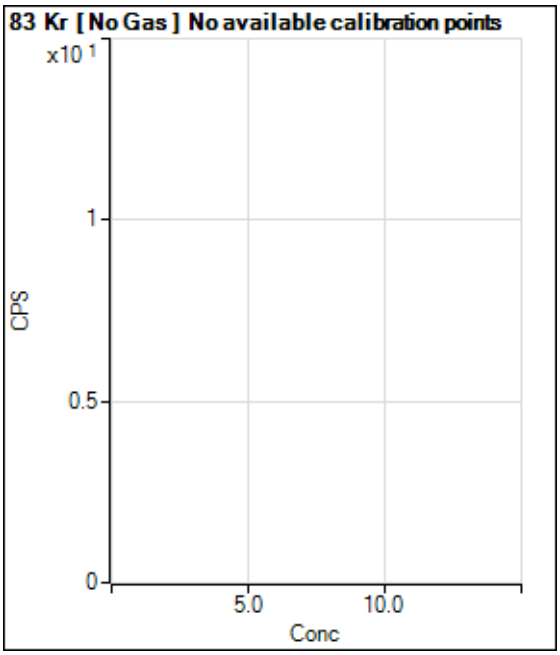


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	501.38	0.0000	P	21.
2	☐	5.000	5.006	2339.13	0.0001	P	3.7
3	☐	50.000	52.105	20275.86	0.0005	P	0.4
4	☐	125.000	126.707	47167.79	0.0013	P	0.2
5	☐	250.000	254.953	95831.64	0.0025	P	0.9
6	☐	500.000	499.759	185550.50	0.0049	P	1.2
7	☐	1000.000	998.564	381164.40	0.0098	P	1.0
8	☐			763.96	0.0000	P	10.

y = 9.8454E-006 * x + 1.3317E-005
R = 1.0000
DL = 0.8586

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			312.23		P	9.9
2	☐			316.68		P	12.
3	☐			324.45		P	13.
4	☐			343.34		P	13.
5	☐			331.12		P	20.
6	☐			307.79		P	15.
7	☐			338.90		P	8.4
8	☐			423.34		P	12.

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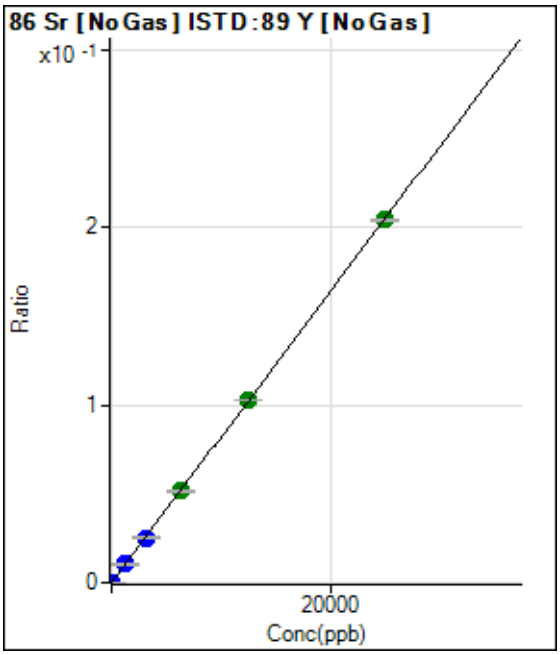


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	958.93	0.0000	P	3.3
2	☐	1.000	25.323	8691.53	0.0002	P	3.0
3	☐	1250.000	1257.806	397314.06	0.0103	P	0.7
4	☐	3125.000	3095.947	948314.16	0.0253	P	0.7
5	☐	6250.000	6294.658	1956334.85	0.0515	A	0.7
6	☐	12500.000	12561.323	3865116.50	0.1028	A	0.7
7	☐	25000.000	24961.414	7906309.05	0.2042	A	0.6
8	☐			25719.19	0.0007	P	0.2

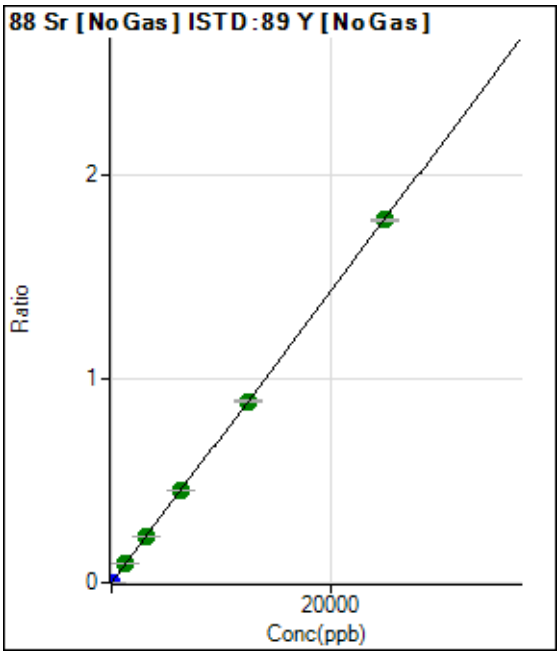
y = 8.1794E-006 * x + 2.5441E-005

R = 1.0000

DL = 0.3045

Weight: <None>

Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	4060.60	0.0001	P	1.4
2	☐	1.000	25.523	72097.83	0.0019	P	2.2
3	☐	1250.000	1287.128	3543081.23	0.0920	A	0.8
4	☐	3125.000	3176.865	8486505.92	0.2268	A	0.8
5	☐	6250.000	6311.111	17110231.14	0.4505	A	0.4
6	☐	12500.000	12503.663	33567177.55	0.8925	A	0.5
7	☐	25000.000	24974.550	69018207.30	1.7826	A	0.6
8	☐			222438.15	0.0060	P	0.3

y = 7.1371E-005 * x + 1.0772E-004

R = 1.0000

DL = 0.06208

Weight: <None>

Min Conc: 0

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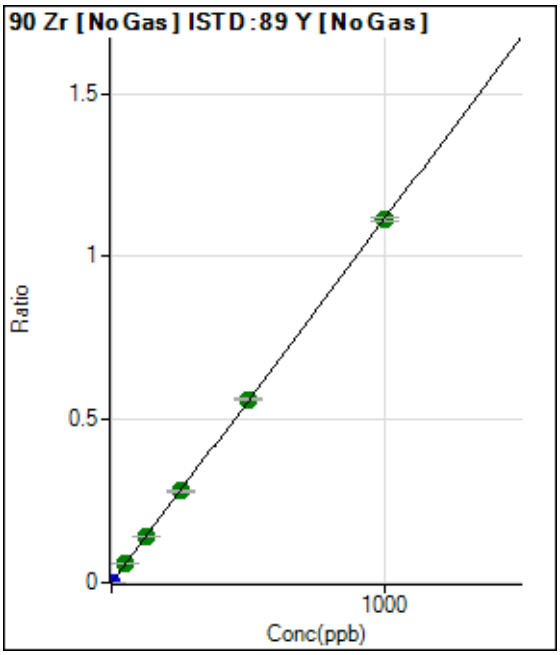
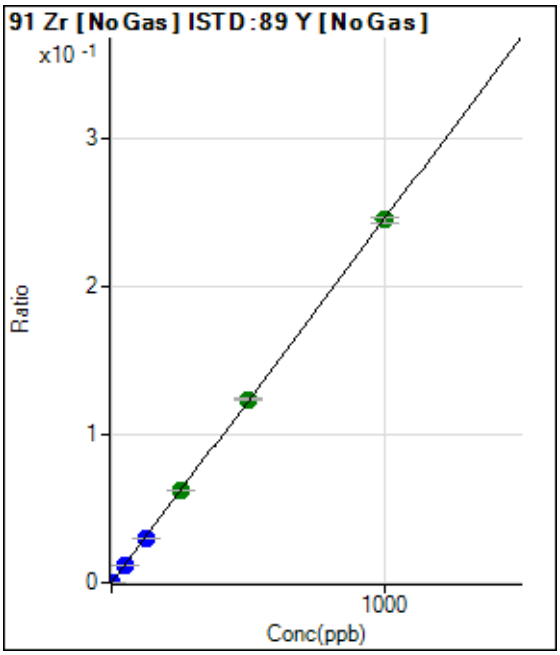


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2309.09	0.0001	P	2.3
2	☐	1.000	0.992	43610.19	0.0012	P	3.0
3	☐	50.000	51.223	2202734.08	0.0572	A	0.6
4	☐	125.000	125.923	5255206.17	0.1405	A	0.8
5	☐	250.000	251.480	10651247.97	0.2805	A	1.5
6	☐	500.000	503.816	21130777.46	0.5618	A	0.6
7	☐	1000.000	997.545	43068849.36	1.1124	A	0.9
8	☐			25272.95	0.0007	P	2.8

y = 0.0011 * x + 6.1254E-005
R = 1.0000
DL = 0.003791

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	484.46	0.0000	P	4.5
2	☐	1.000	0.992	9575.42	0.0003	P	2.3
3	☐	50.000	50.028	473099.06	0.0123	P	0.5
4	☐	125.000	123.769	1135920.82	0.0304	P	0.5
5	☐	250.000	254.364	2369288.58	0.0624	A	0.7
6	☐	500.000	503.024	4639644.06	0.1234	A	1.0
7	☐	1000.000	997.549	9471299.10	0.2446	A	1.5
8	☐			5504.43	0.0001	P	8.2

y = 2.4522E-004 * x + 1.2856E-005
R = 1.0000
DL = 0.007044

Weight: <None>
Min Conc: 0

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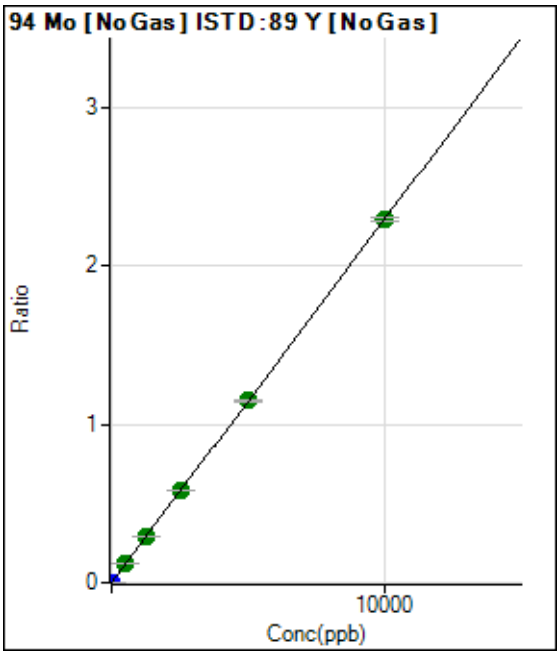
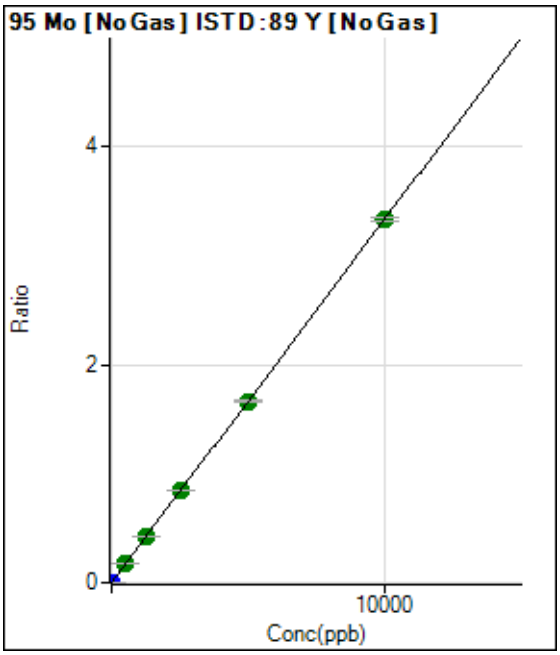


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	860.03	0.0000	P	7.6
2	☐	5.000	5.854	51052.02	0.0014	P	1.6
3	☐	500.000	508.547	4495879.86	0.1167	A	0.6
4	☐	1250.000	1261.876	10832317.75	0.2895	A	0.9
5	☐	2500.000	2523.559	21989695.51	0.5790	A	0.7
6	☐	5000.000	5007.607	43212476.58	1.1490	A	0.7
7	☐	10000.000	9988.395	88730889.79	2.2918	A	1.2
8	☐			21489.27	0.0006	P	4.6

y = 2.2944E-004 * x + 2.2814E-005
R = 1.0000
DL = 0.02266

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	130.00	0.0000	P	19.
2	☐	5.000	4.943	61664.76	0.0017	P	1.7
3	☐	500.000	511.119	6558622.26	0.1703	A	1.2
4	☐	1250.000	1269.824	15823774.35	0.4230	A	0.6
5	☐	2500.000	2534.164	32056474.24	0.8441	A	0.8
6	☐	5000.000	4998.257	62615808.51	1.6649	A	0.7
7	☐	10000.000	9989.297	128825601.41	3.3274	A	1.2
8	☐			20573.48	0.0006	P	8.0

y = 3.3309E-004 * x + 3.4525E-006
R = 1.0000
DL = 0.005976

Weight: <None>
Min Conc: 0

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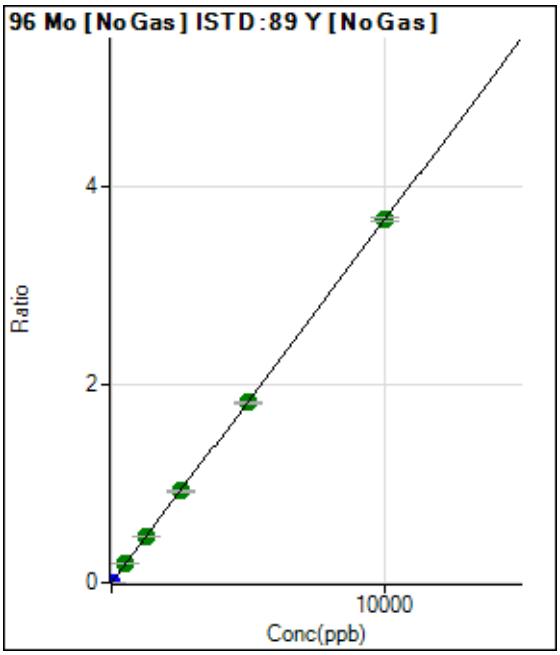
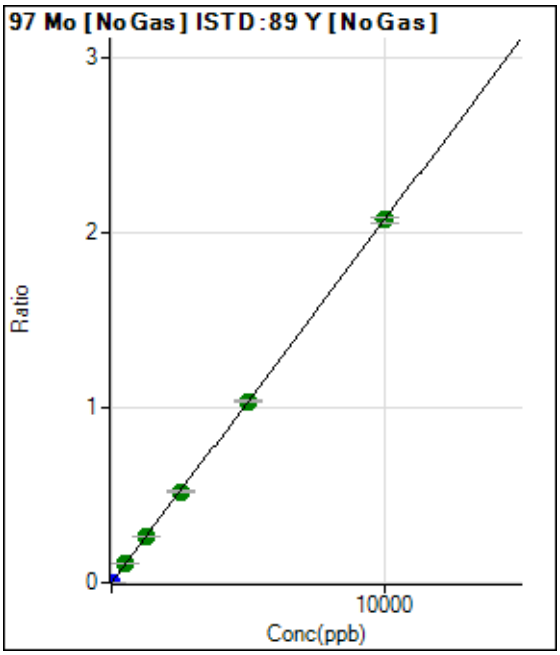


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	322.23	0.0000	P	16.
2	☐	5.000	5.020	68971.56	0.0018	P	1.9
3	☐	500.000	508.870	7173860.24	0.1862	A	0.7
4	☐	1250.000	1264.525	17311382.94	0.4627	A	0.3
5	☐	2500.000	2524.651	35084639.48	0.9239	A	0.9
6	☐	5000.000	4975.542	68474233.42	1.8207	A	1.2
7	☐	10000.000	10003.807	141733122.33	3.6607	A	1.1
8	☐			39903.40	0.0011	P	5.2

y = 3.6593E-004 * x + 8.5515E-006
R = 1.0000
DL = 0.01126

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	88.89	0.0000	P	5.0
2	☐	5.000	4.983	38679.96	0.0010	P	1.6
3	☐	500.000	508.833	4062555.29	0.1055	A	0.6
4	☐	1250.000	1254.895	9729700.90	0.2601	A	0.5
5	☐	2500.000	2516.515	19806313.18	0.5215	A	1.5
6	☐	5000.000	4990.678	38899344.98	1.0343	A	1.2
7	☐	10000.000	9999.479	80235798.80	2.0724	A	1.3
8	☐			12314.19	0.0003	P	8.3

y = 2.0725E-004 * x + 2.3577E-006
R = 1.0000
DL = 0.001719

Weight: <None>
Min Conc: 0

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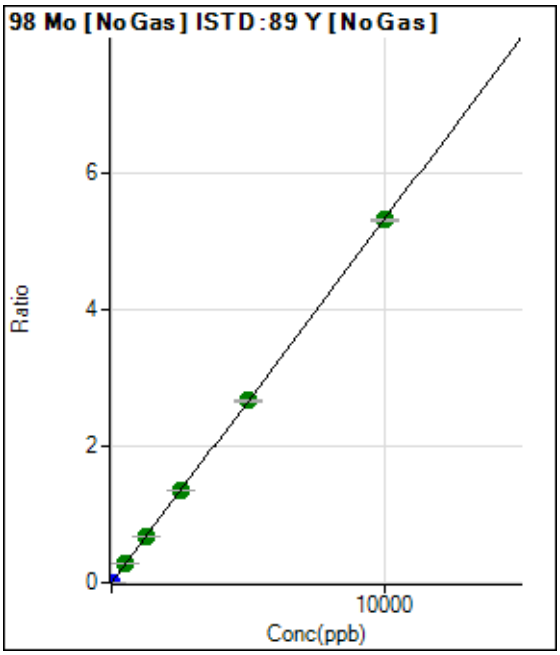
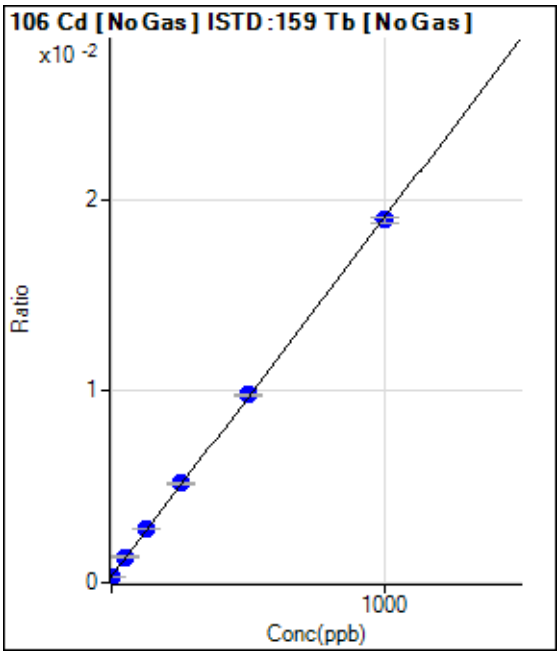


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	232.23	0.0000	P	6.8
2	☐	5.000	4.947	98449.96	0.0026	P	1.8
3	☐	500.000	508.816	10414439.22	0.2703	A	0.4
4	☐	1250.000	1266.308	25169306.01	0.6728	A	0.4
5	☐	2500.000	2523.781	50921256.46	1.3409	A	0.8
6	☐	5000.000	5018.593	100277121.84	2.6663	A	1.2
7	☐	10000.000	9982.279	205340305.83	5.3035	A	0.8
8	☐			31260.26	0.0008	P	8.5

y = 5.3129E-004 * x + 6.1622E-006
R = 1.0000
DL = 0.002349

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	10498.32	0.0003	P	1.9
2	☐	1.000	1.161	11045.40	0.0003	P	0.8
3	☐	50.000	54.802	45148.90	0.0014	P	2.3
4	☐	125.000	133.354	93379.67	0.0028	P	0.9
5	☐	250.000	259.841	176586.44	0.0052	P	1.2
6	☐	500.000	505.275	331671.60	0.0098	P	0.7
7	☐	1000.000	993.618	665509.29	0.0190	P	1.6
8	☐			10598.38	0.0003	P	0.6

y = 1.8756E-005 * x + 3.2215E-004
R = 0.9999
DL = 0.9838

Weight: <None>
Min Conc: 0

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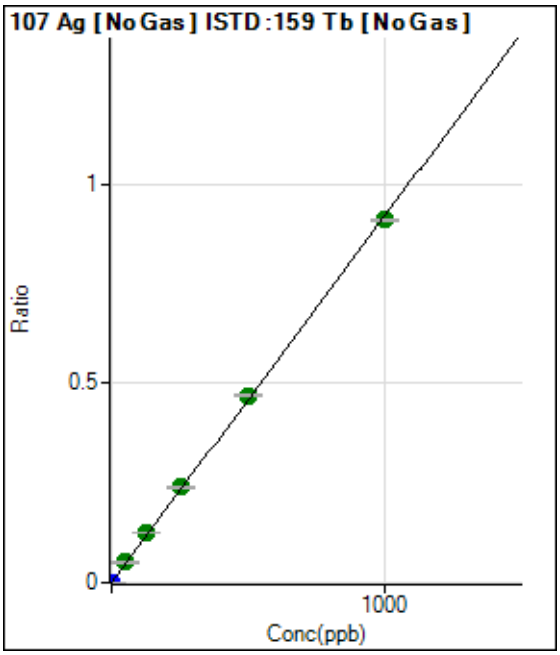
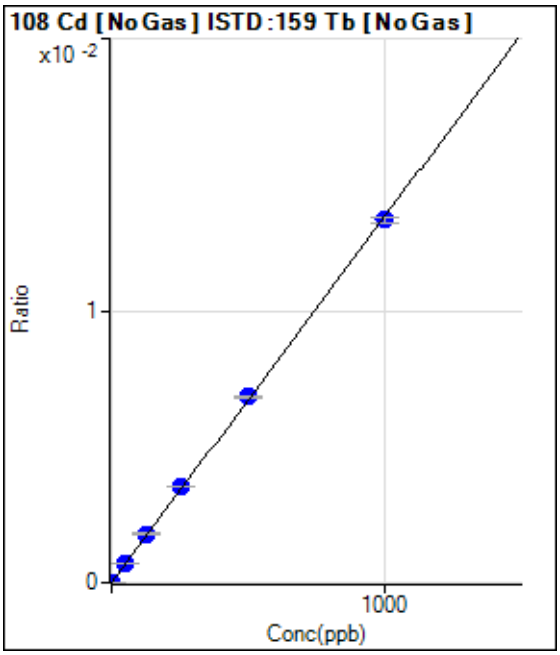


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	178.89	0.0000	P	7.7
2	☐	1.000	1.086	32235.86	0.0010	P	2.9
3	☐	50.000	55.173	1696409.82	0.0507	A	0.7
4	☐	125.000	134.332	4084263.55	0.1235	A	0.6
5	☐	250.000	260.628	8142535.57	0.2396	A	0.7
6	☐	500.000	510.747	15890726.71	0.4695	A	0.8
7	☐	1000.000	990.544	31965587.86	0.9105	A	0.5
8	☐			4221.77	0.0001	P	10.

y = 9.1920E-004 * x + 5.4882E-006
R = 0.9998
DL = 0.001375

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	24.44	0.0000	P	57.
2	☐	1.000	1.147	520.01	0.0000	P	4.1
3	☐	50.000	54.537	24579.77	0.0007	P	1.6
4	☐	125.000	133.338	59392.03	0.0018	P	2.0
5	☐	250.000	261.547	119696.48	0.0035	P	0.9
6	☐	500.000	507.939	231475.91	0.0068	P	0.8
7	☐	1000.000	991.874	468758.58	0.0134	P	1.7
8	☐			256.67	0.0000	P	19.

y = 1.3462E-005 * x + 7.5261E-007
R = 0.9999
DL = 0.09647

Weight: <None>
Min Conc: 0

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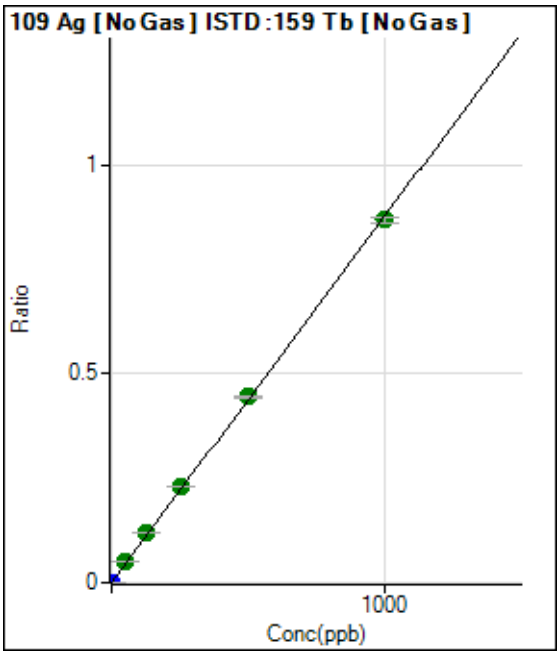
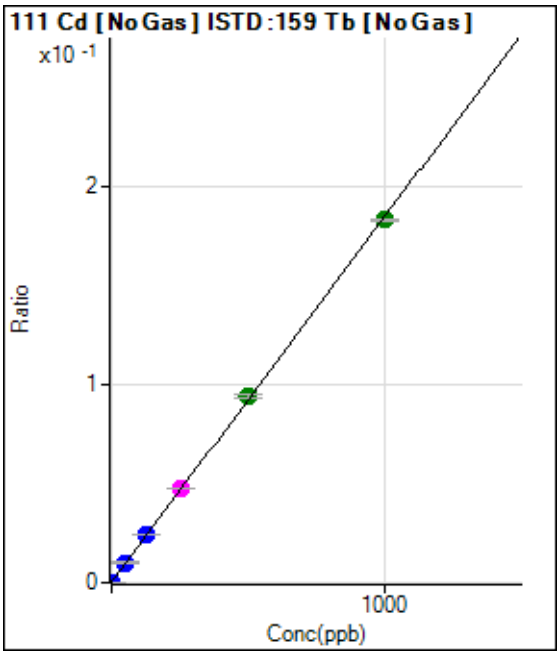


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	84.44	0.0000	P	25.
2	☐	1.000	1.086	30673.55	0.0010	P	2.9
3	☐	50.000	55.552	1629511.47	0.0487	A	0.8
4	☐	125.000	135.334	3925423.03	0.1187	A	1.6
5	☐	250.000	263.149	7843681.97	0.2308	A	0.8
6	☐	500.000	509.004	15108958.25	0.4464	A	1.0
7	☐	1000.000	990.641	30497975.94	0.8688	A	1.3
8	☐			4003.93	0.0001	P	16.

y = 8.7699E-004 * x + 2.5870E-006
R = 0.9998
DL = 0.002226

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	7369.49	0.0002	P	1.8
2	☐	1.000	1.143	14031.60	0.0004	P	1.6
3	☐	50.000	53.938	340422.09	0.0102	P	0.9
4	☐	125.000	130.864	806113.66	0.0244	P	0.5
5	☐	250.000	258.174	1626804.35	0.0479	M	0.2
6	☐	500.000	509.933	3192203.32	0.0943	A	1.4
7	☐	1000.000	992.060	6434044.02	0.1833	A	0.7
8	☐			8578.16	0.0003	P	1.3

y = 1.8451E-004 * x + 2.2614E-004
R = 0.9999
DL = 0.06678

Weight: <None>
Min Conc: 0

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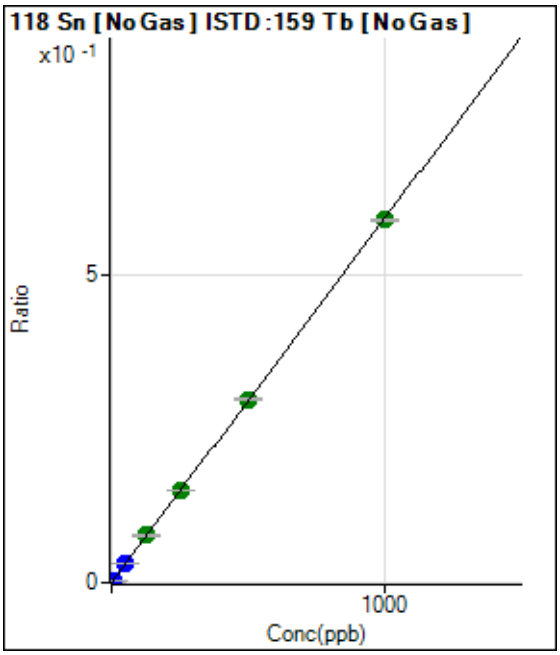
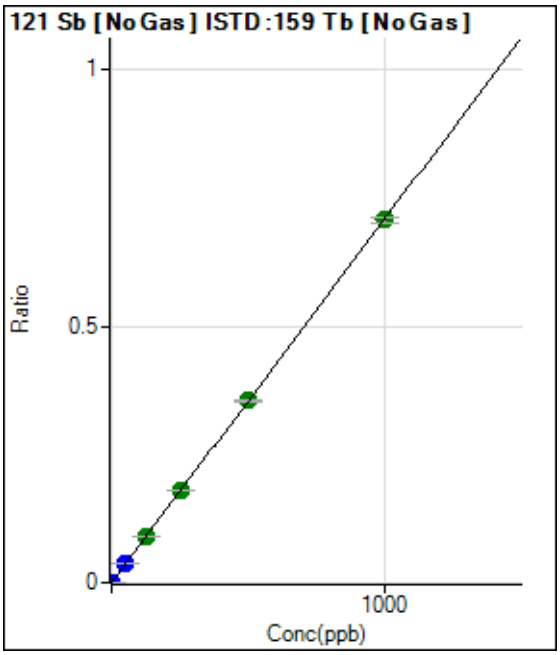


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	8101.23	0.0002	P	3.6
2	☐	5.000	5.264	108195.70	0.0034	P	2.9
3	☐	50.000	52.011	1039551.88	0.0311	P	1.0
4	☐	125.000	129.759	2552291.49	0.0772	A	1.8
5	☐	250.000	252.713	5100212.74	0.1501	A	1.1
6	☐	500.000	503.714	10115680.61	0.2989	A	0.8
7	☐	1000.000	996.768	20753439.41	0.5912	A	0.7
8	☐			10174.79	0.0003	P	2.5

y = 5.9283E-004 * x + 2.4861E-004
R = 1.0000
DL = 0.04468

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	114.45	0.0000	P	25.
2	☐	2.000	2.115	48186.01	0.0015	P	2.1
3	☐	50.000	51.522	1220022.24	0.0365	P	0.8
4	☐	125.000	128.969	3019945.61	0.0913	A	0.7
5	☐	250.000	253.224	6092838.94	0.1793	A	1.0
6	☐	500.000	500.754	11999237.32	0.3545	A	0.6
7	☐	1000.000	998.245	24808272.68	0.7067	A	1.4
8	☐			11984.01	0.0004	P	10.

y = 7.0794E-004 * x + 3.5061E-006
R = 1.0000
DL = 0.003829

Weight: <None>
Min Conc: 0

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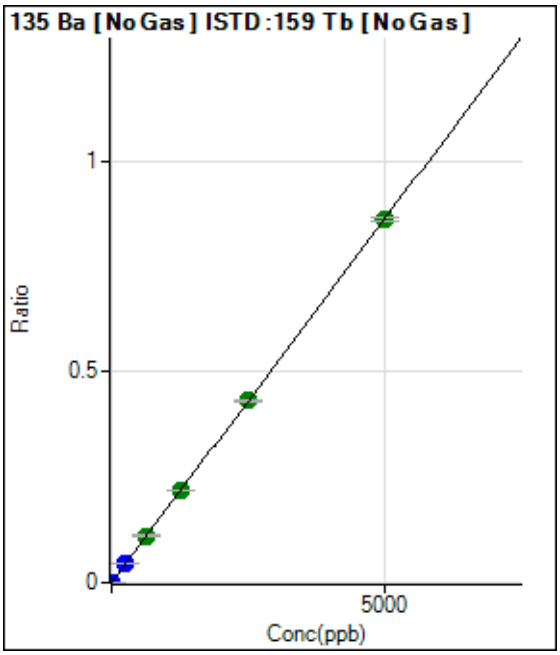
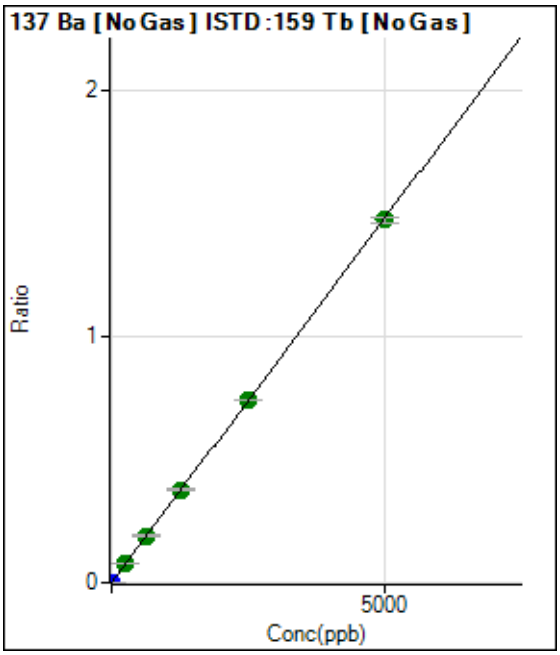


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	316.67	0.0000	P	5.8
2	☐	10.000	10.287	57236.71	0.0018	P	3.2
3	☐	250.000	254.889	1469375.34	0.0439	P	0.7
4	☐	625.000	647.582	3691092.52	0.1116	A	1.0
5	☐	1250.000	1266.721	7419428.01	0.2183	A	0.6
6	☐	2500.000	2504.077	14606572.28	0.4315	A	0.5
7	☐	5000.000	4990.714	30191203.72	0.8600	A	1.1
8	☐			11748.26	0.0004	P	3.1

y = 1.7232E-004 * x + 9.7196E-006
R = 1.0000
DL = 0.009854

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	563.35	0.0000	P	10.
2	☐	10.000	10.432	99638.29	0.0031	P	3.4
3	☐	250.000	266.299	2634996.05	0.0788	A	0.6
4	☐	625.000	644.569	6306066.71	0.1907	A	1.0
5	☐	1250.000	1271.907	12786630.50	0.3762	A	1.8
6	☐	2500.000	2519.177	25222012.68	0.7451	A	0.2
7	☐	5000.000	4981.673	51726688.67	1.4735	A	1.3
8	☐			20993.35	0.0006	P	3.2

y = 2.9578E-004 * x + 1.7279E-005
R = 1.0000
DL = 0.01779

Weight: <None>
Min Conc: 0

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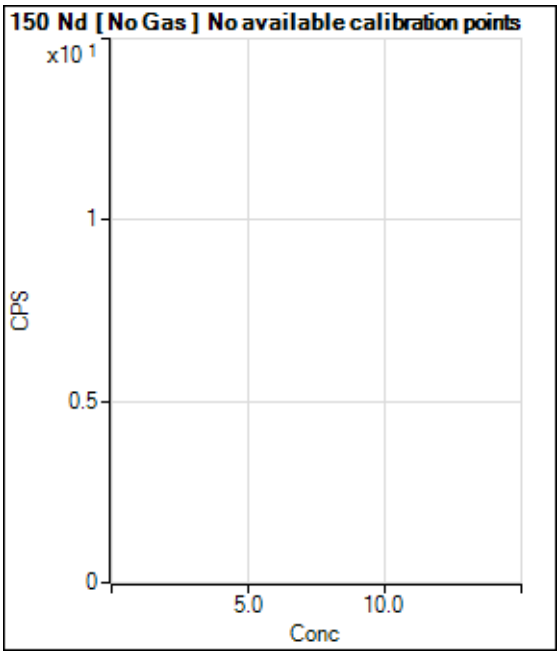
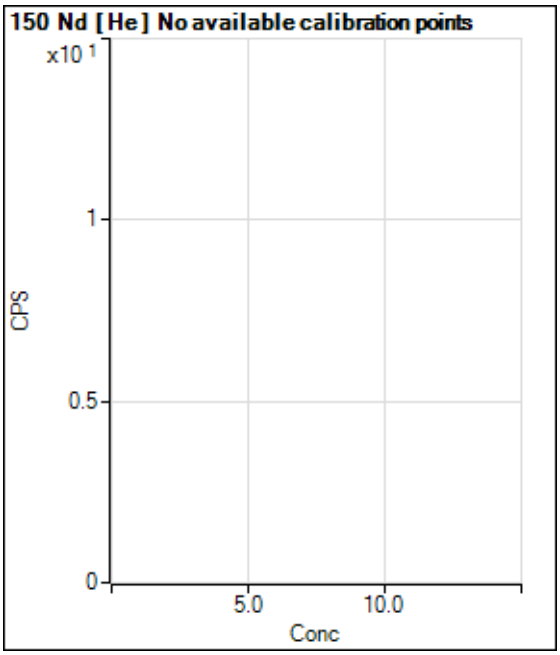


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			28.89		P	17.
2	☐			15.56		P	65.
3	☐			95.56		P	15.
4	☐			172.23		P	11.
5	☐			318.89		P	11.
6	☐			662.25		P	11.
7	☐			1340.08		P	10.
8	☐			532.24		P	6.4



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			13.33		P	75.
2	☐			13.33		P	66.
3	☐			36.67		P	24.
4	☐			48.89		P	57.
5	☐			84.44		P	22.
6	☐			152.23		P	10.
7	☐			313.34		P	12.
8	☐			285.56		P	8.8

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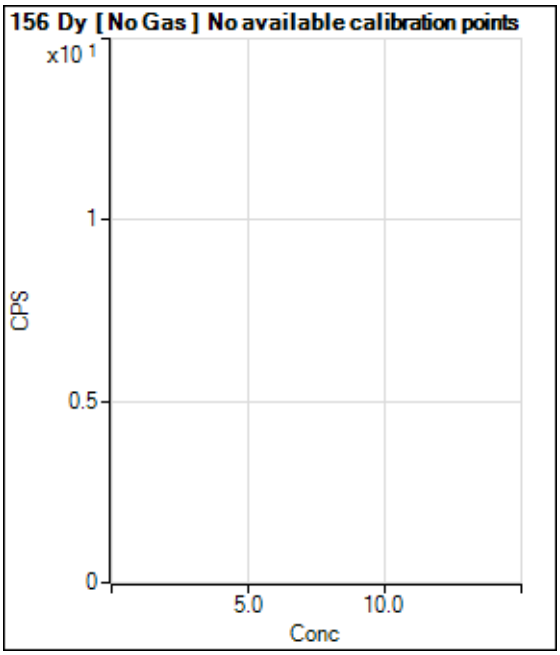
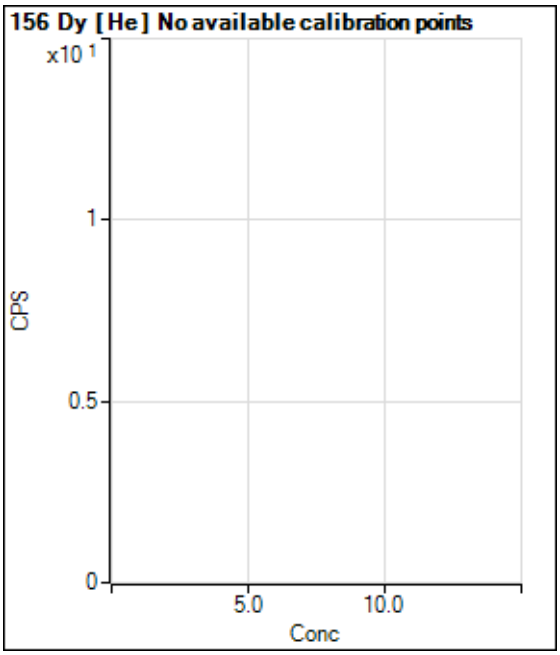


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			80.00		P	20.
2	☐			83.33		P	24.
3	☐			72.22		P	31.
4	☐			137.78		P	13.
5	☐			185.56		P	17.
6	☐			341.12		P	6.4
7	☐			521.13		P	7.6
8	☐			923.37		P	2.5



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			20.00		P	16.
2	☐			24.44		P	63.
3	☐			97.78		P	27.
4	☐			166.67		P	13.
5	☐			326.68		P	11.
6	☐			660.02		P	4.6
7	☐			1346.75		P	2.6
8	☐			731.14		P	2.5

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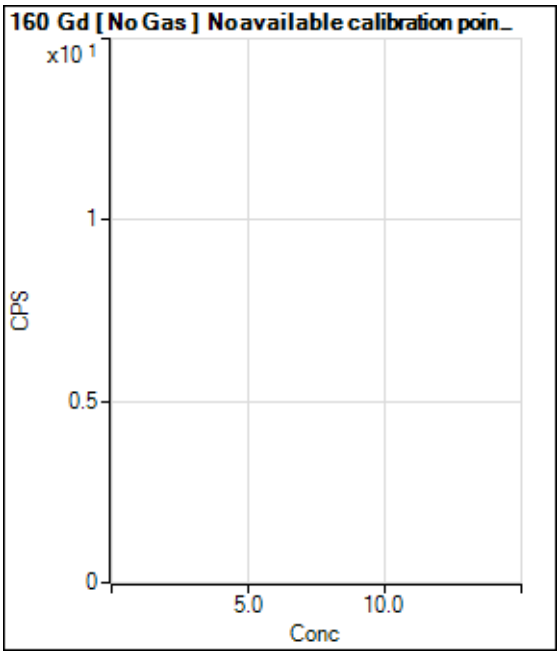
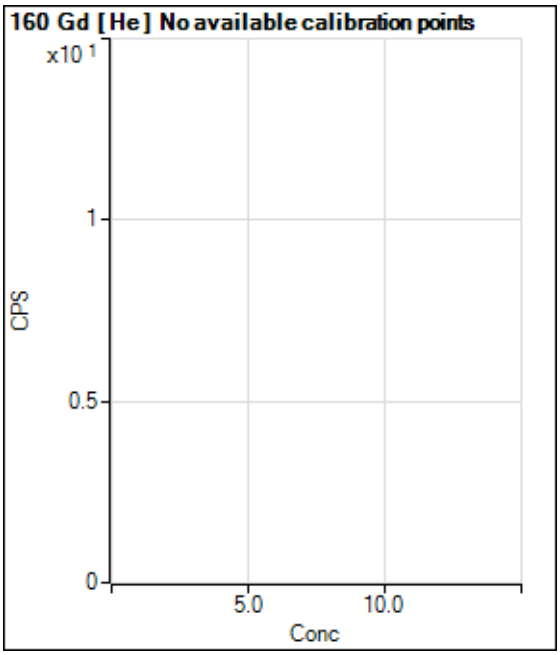


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			152.23		P	11.
2	☐			158.89		P	4.8
3	☐			146.67		P	12.
4	☐			181.11		P	15.
5	☐			216.67		P	3.1
6	☐			278.90		P	3.7
7	☐			353.34		P	9.8
8	☐			953.38		P	10.



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			1186.73		P	8.7
2	☐			1250.07		P	5.5
3	☐			1297.85		P	10.
4	☐			1236.74		P	7.8
5	☐			1298.96		P	8.1
6	☐			1247.85		P	8.7
7	☐			1378.97		P	1.0
8	☐			1731.24		P	3.6

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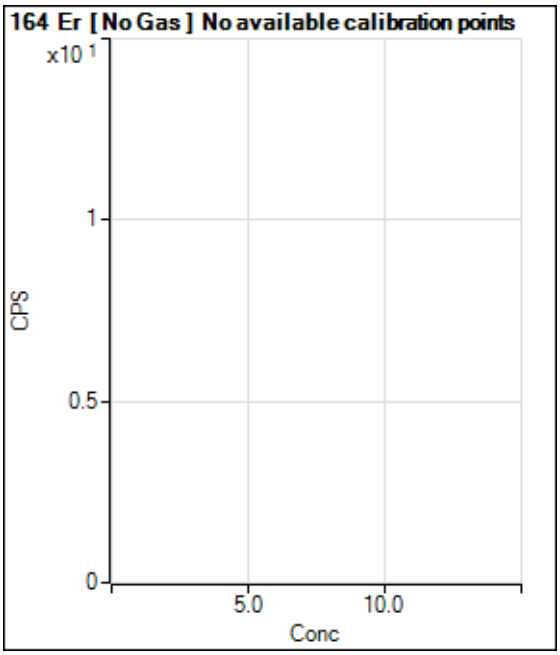
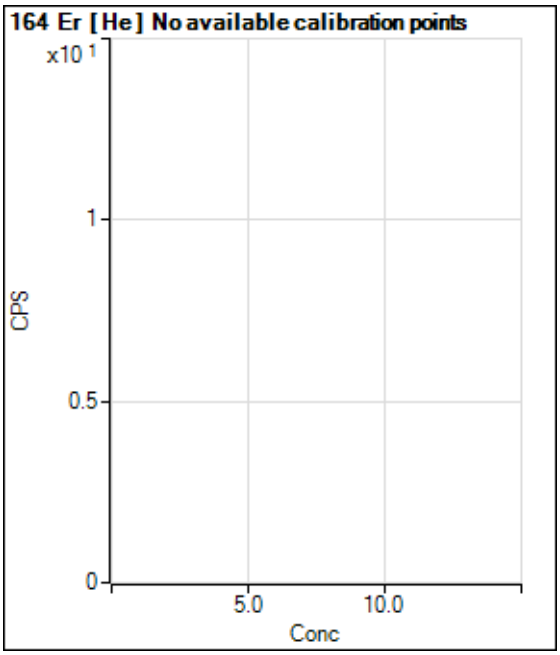


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			124.45		P	9.4
2	☐			121.12		P	3.2
3	☐			156.67		P	11.
4	☐			172.23		P	3.0
5	☐			202.23		P	25.
6	☐			292.23		P	11.
7	☐			432.23		P	2.9
8	☐			1112.28		P	7.7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			97.78		P	27.
2	☐			84.44		P	20.
3	☐			104.45		P	40.
4	☐			96.67		P	17.
5	☐			134.45		P	12.
6	☐			193.34		P	17.
7	☐			312.23		P	6.9
8	☐			735.59		P	5.2

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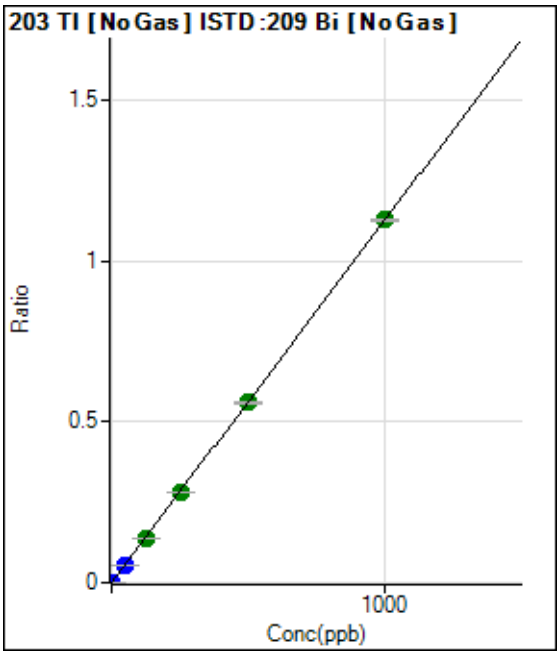


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	261.12	0.0000	P	12.
2	☐	1.000	0.982	20314.13	0.0011	P	1.6
3	☐	50.000	49.223	1048735.55	0.0555	P	0.9
4	☐	125.000	122.904	2612280.83	0.1384	A	0.7
5	☐	250.000	248.190	5365399.88	0.2795	A	0.9
6	☐	500.000	497.641	10664048.10	0.5605	A	1.5
7	☐	1000.000	1001.933	21996341.06	1.1284	A	0.5
8	☐			1799.04	0.0001	P	28.

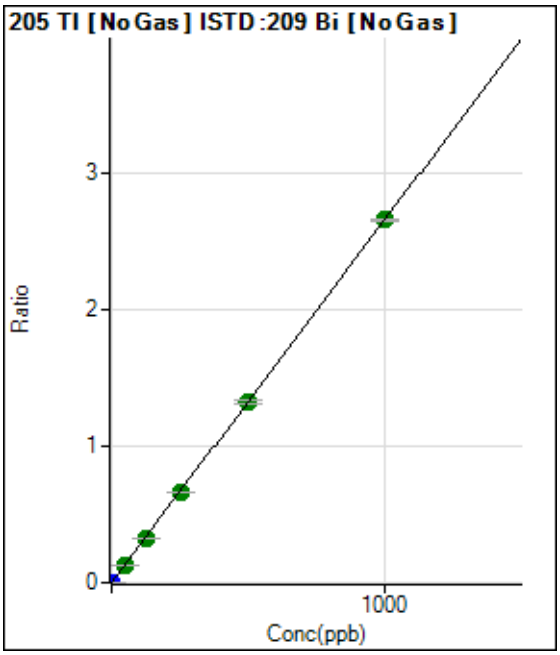
y = 0.0011 * x + 1.4301E-005

R = 1.0000

DL = 0.004856

Weight: <None>

Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	575.57	0.0000	P	6.1
2	☐	1.000	0.996	48596.50	0.0027	P	2.4
3	☐	50.000	49.960	2511886.82	0.1328	A	0.6
4	☐	125.000	123.517	6195059.21	0.3283	A	0.5
5	☐	250.000	249.390	12721745.23	0.6628	A	1.6
6	☐	500.000	499.315	25250075.74	1.3271	A	1.7
7	☐	1000.000	1000.683	51842592.56	2.6596	A	0.6
8	☐			4272.97	0.0003	P	22.

y = 0.0027 * x + 3.1522E-005

R = 1.0000

DL = 0.002168

Weight: <None>

Min Conc: 0

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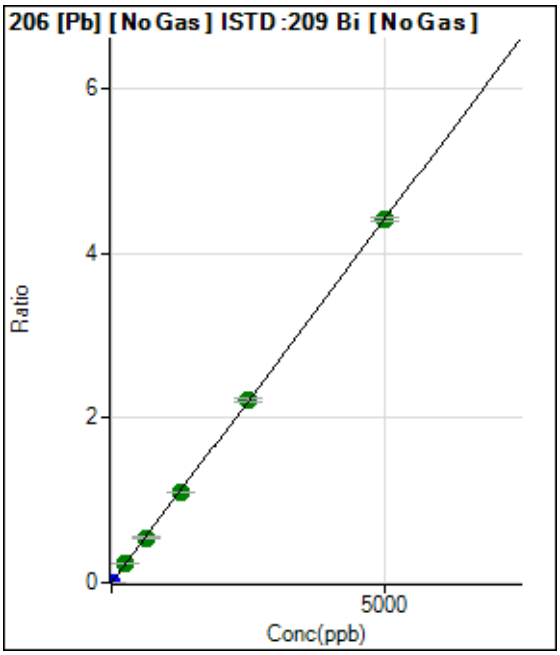
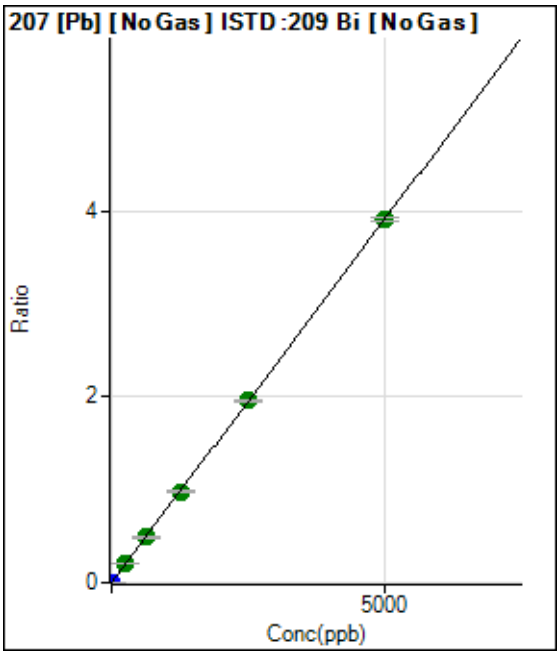
Inst Id :P7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2504.71	0.0001	P	4.4
2	☐	1.000	0.993	18385.85	0.0010	P	1.4
3	☐	250.000	253.752	4238607.75	0.2241	A	1.5
4	☐	625.000	620.016	10329331.93	0.5474	A	1.0
5	☐	1250.000	1248.843	21160605.38	1.1025	A	1.3
6	☐	2500.000	2514.075	42226739.37	2.2193	A	1.7
7	☐	5000.000	4993.687	85925206.50	4.4081	A	1.0
8	☐			12271.22	0.0007	P	9.3

y = 8.8270E-004 * x + 1.3721E-004
R = 1.0000
DL = 0.02033

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2115.74	0.0001	P	5.8
2	☐	1.000	0.999	16275.40	0.0009	P	1.6
3	☐	250.000	254.755	3772494.98	0.1995	A	2.1
4	☐	625.000	622.613	9195325.42	0.4873	A	1.4
5	☐	1250.000	1250.443	18783014.58	0.9787	A	1.6
6	☐	2500.000	2507.101	37333340.56	1.9621	A	0.6
7	☐	5000.000	4996.399	76216572.75	3.9101	A	1.1
8	☐			10850.01	0.0006	P	8.7

y = 7.8255E-004 * x + 1.1587E-004
R = 1.0000
DL = 0.0258

Weight: <None>
Min Conc: 0

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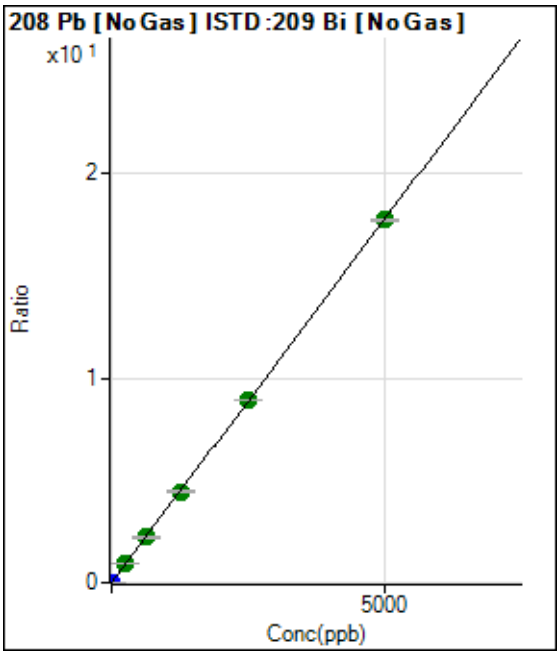
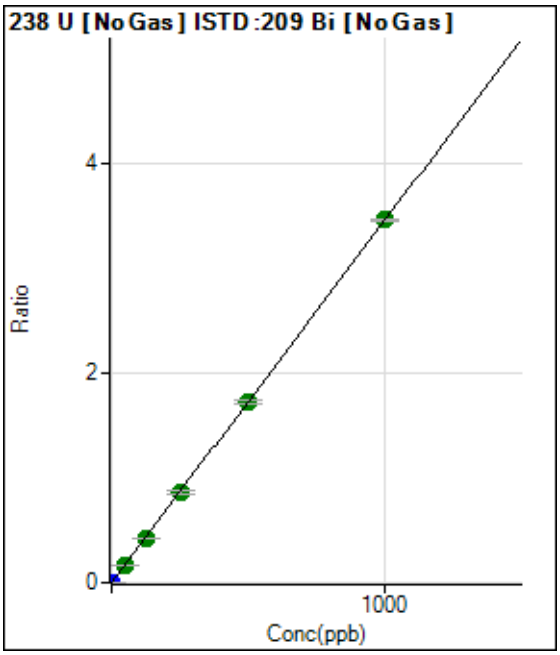


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	9865.95	0.0005	P	2.4
2	☐	1.000	0.991	73668.27	0.0041	P	1.6
3	☐	250.000	253.769	17071448.77	0.9027	A	1.1
4	☐	625.000	624.744	41915624.79	2.2214	A	1.1
5	☐	1250.000	1254.447	85598338.16	4.4599	A	1.6
6	☐	2500.000	2511.464	169886813.02	8.9285	A	0.8
7	☐	5000.000	4993.000	345995823.17	17.7500	A	0.6
8	☐			49179.78	0.0029	P	9.0

y = 0.0036 * x + 5.4049E-004
R = 1.0000
DL = 0.01076

Weight: <None>
Min Conc: 0



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1	☐	0.000	0.000	45.55	0.0000	P	14.
2	☐	1.000	0.940	58830.33	0.0032	P	2.3
3	☐	50.000	48.942	3190832.17	0.1687	A	2.1
4	☐	125.000	121.118	7877811.27	0.4175	A	1.1
5	☐	250.000	248.186	16416731.42	0.8555	A	3.4
6	☐	500.000	497.560	32632314.51	1.7151	A	2.4
7	☐	1000.000	1002.212	67342707.89	3.4547	A	0.5
8	☐			4775.39	0.0003	P	23.

y = 0.0034 * x + 2.4930E-006
R = 1.0000
DL = 0.0003028

Weight: <None>
Min Conc: 0

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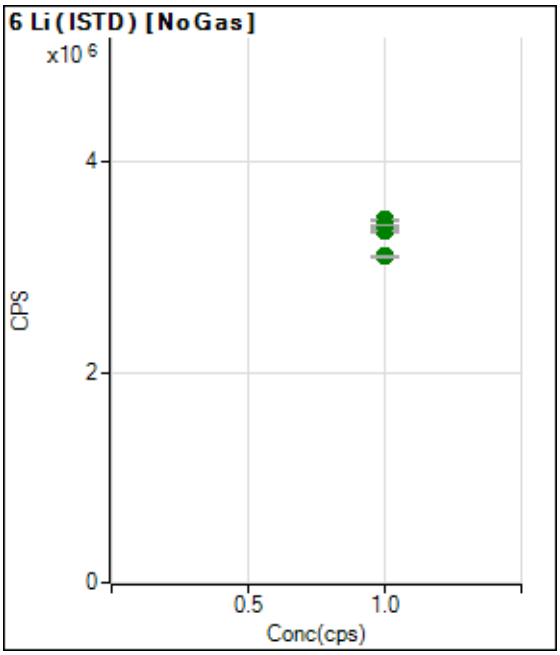
Inst Id :P7



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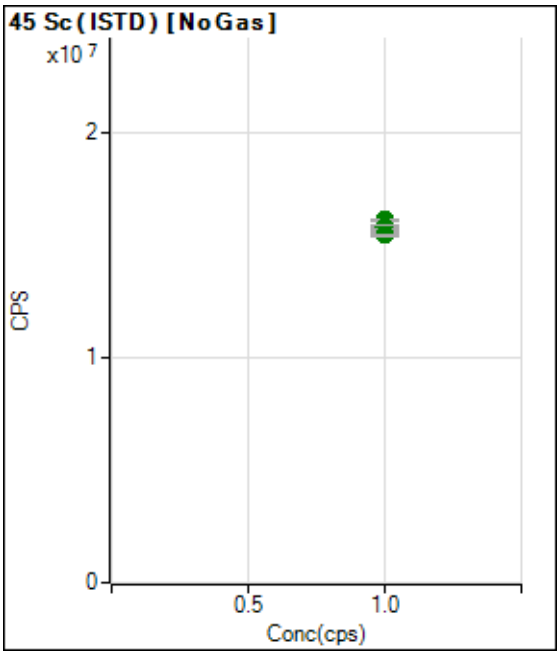
1	☐	1.000		3356230.92		A	1.4
2	☐	1.000		3353139.40		A	1.9
3	☐	1.000		3432029.76		A	1.8
4	☐	1.000		3357930.00		A	1.3
5	☐	1.000		3448118.83		A	0.5
6	☐	1.000		3348251.32		A	0.3
7	☐	1.000		3399624.38		A	0.5
8	☐	1.000		3098615.12		A	0.4



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		16065681.98		A	1.6
2	☐	1.000		15800088.93		A	0.7
3	☐	1.000		16131986.84		A	0.4
4	☐	1.000		15620471.30		A	0.7
5	☐	1.000		15750348.24		A	1.0
6	☐	1.000		15471175.46		A	0.7
7	☐	1.000		15815719.07		A	0.8
8	☐	1.000		15444002.27		A	0.9

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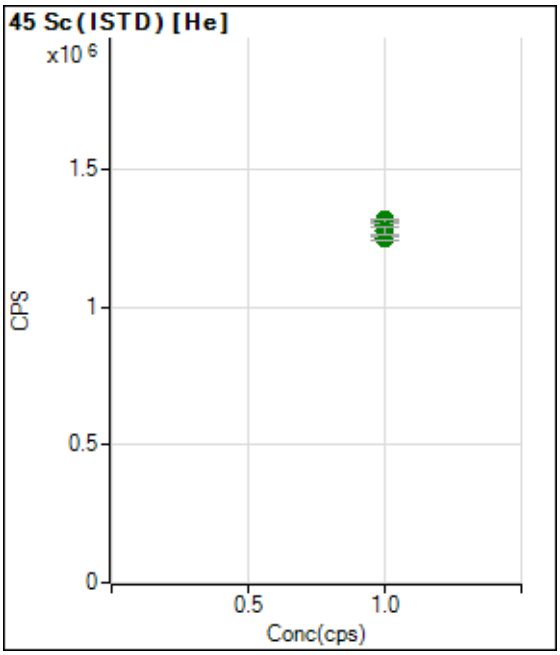
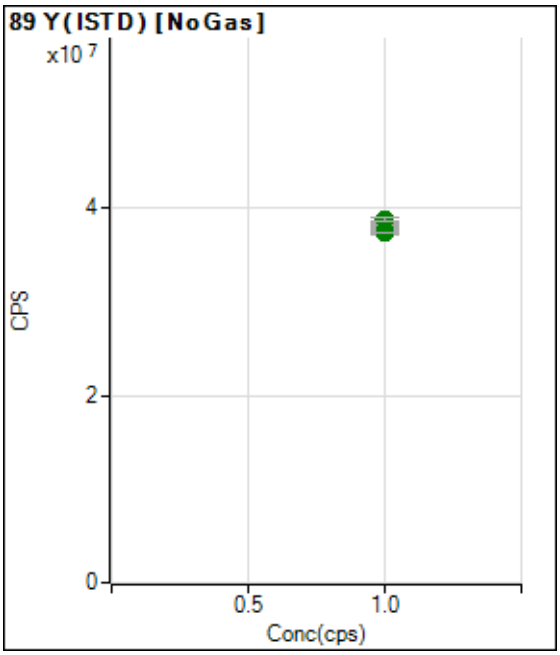


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		1317102.94		A	0.8
2	☐	1.000		1297538.26		A	1.1
3	☐	1.000		1292977.34		A	0.2
4	☐	1.000		1263134.73		A	0.5
5	☐	1.000		1250863.16		A	1.0
6	☐	1.000		1249106.73		A	0.8
7	☐	1.000		1313905.75		A	0.8
8	☐	1.000		1275139.93		A	2.1



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1	☐	1.000		37692033.88		A	0.9
2	☐	1.000		37369276.11		A	0.7
3	☐	1.000		38524209.15		A	0.5
4	☐	1.000		37411003.61		A	0.0
5	☐	1.000		37977584.43		A	0.5
6	☐	1.000		37610325.00		A	0.5
7	☐	1.000		38719700.26		A	0.9
8	☐	1.000		37356195.28		A	0.2

Reviewed By:Mohan
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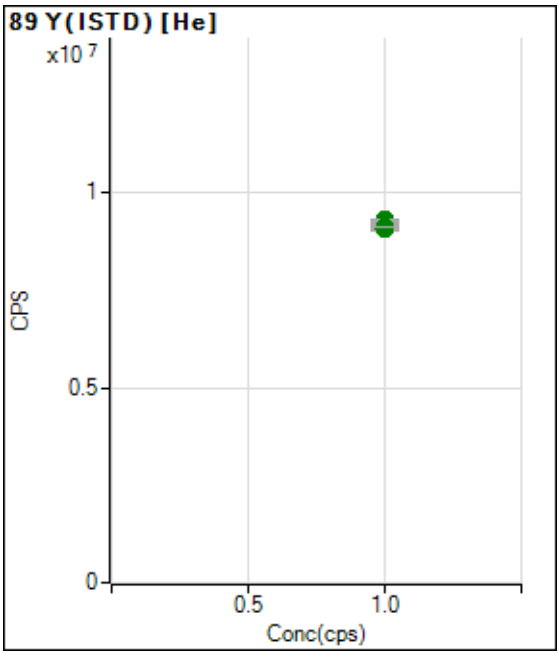

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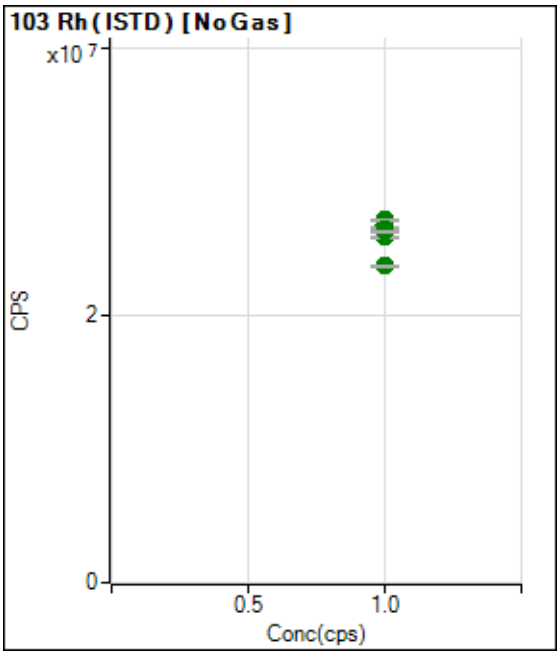
1	☐	1.000		9133141.04		A	0.6
2	☐	1.000		9079800.91		A	0.8
3	☐	1.000		9182128.48		A	0.5
4	☐	1.000		9092798.89		A	0.4
5	☐	1.000		9196539.52		A	0.4
6	☐	1.000		9072562.78		A	1.0
7	☐	1.000		9298856.25		A	0.4
8	☐	1.000		9113969.93		A	0.4



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1	☐	1.000		26831474.60		A	2.0
2	☐	1.000		26410067.11		A	0.6
3	☐	1.000		27149916.26		A	0.7
4	☐	1.000		26330623.49		A	0.5
5	☐	1.000		26507202.11		A	0.2
6	☐	1.000		25832257.11		A	0.7
7	☐	1.000		26290708.50		A	0.4
8	☐	1.000		23719342.42		A	0.7

Reviewed By:Mohan
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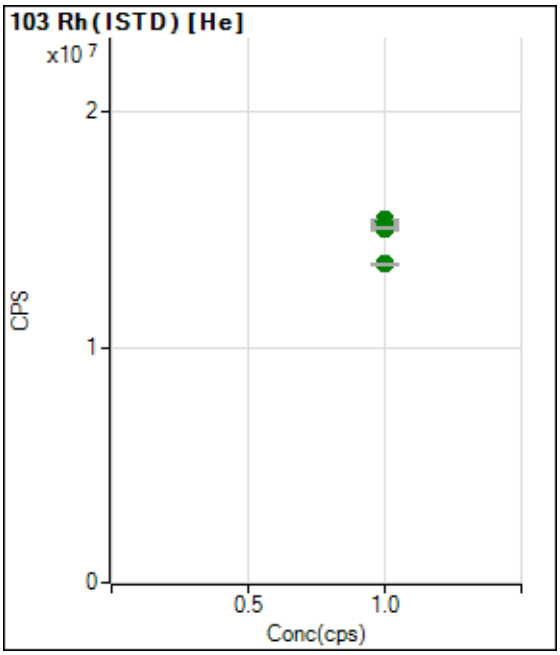

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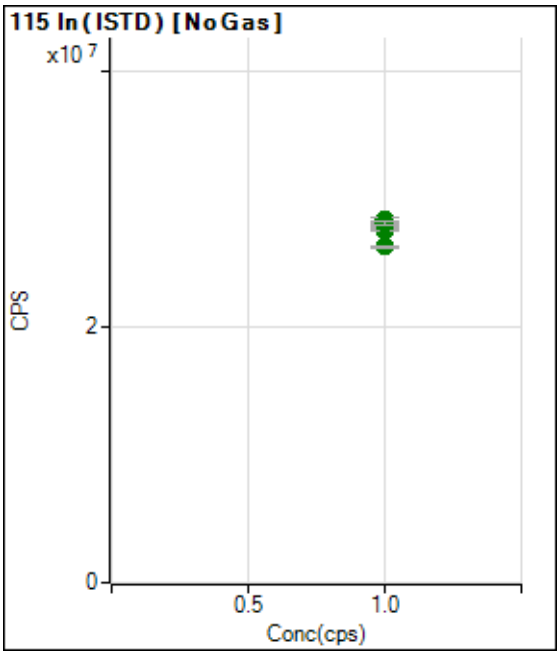
1	☐	1.000		15421130.74		A	0.5
2	☐	1.000		15346195.88		A	0.9
3	☐	1.000		15361834.49		A	1.2
4	☐	1.000		15194478.80		A	1.2
5	☐	1.000		15207023.11		A	0.2
6	☐	1.000		15014934.78		A	0.5
7	☐	1.000		15044509.91		A	0.5
8	☐	1.000		13555822.44		A	0.7



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1	☐	1.000		28044417.19		A	1.0
2	☐	1.000		27520502.12		A	0.5
3	☐	1.000		28358945.37		A	1.1
4	☐	1.000		27900896.77		A	0.5
5	☐	1.000		27946190.24		A	1.0
6	☐	1.000		27528629.50		A	0.2
7	☐	1.000		28140779.25		A	0.8
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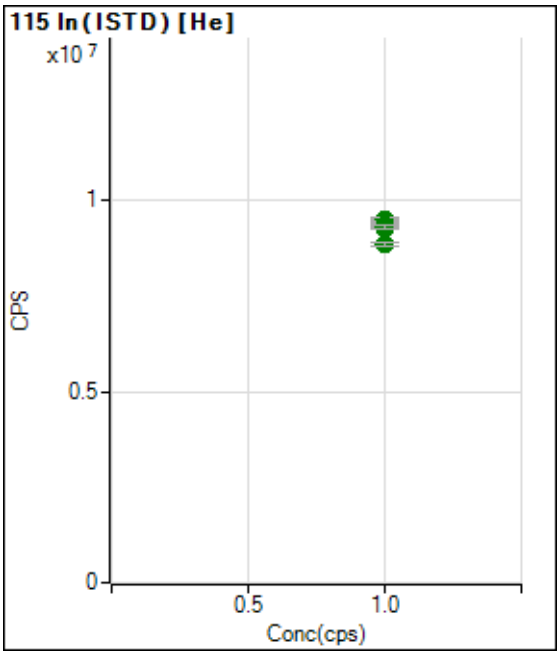

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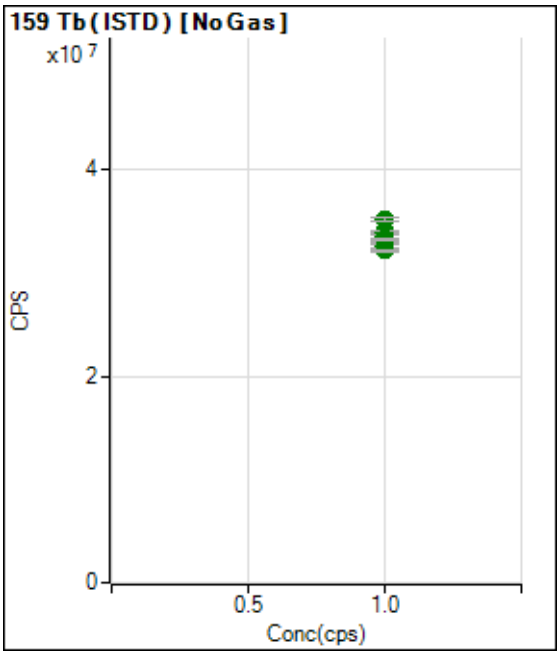
1	☐	1.000		9417086.75		A	1.5
2	☐	1.000		9395030.46		A	1.4
3	☐	1.000		9490613.56		A	1.2
4	☐	1.000		9334386.58		A	1.0
5	☐	1.000		9376466.68		A	1.0
6	☐	1.000		9274734.42		A	0.8
7	☐	1.000		9298485.53		A	0.8
8	☐	1.000		8835321.68		A	1.1



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2	☐	1.000		32114516.47		A	0.8
3	☐	1.000		33447185.89		A	1.0
4	☐	1.000		33075622.28		A	1.1
5	☐	1.000		33988647.27		A	0.8
6	☐	1.000		33848810.05		A	0.9
7	☐	1.000		35107757.53		A	1.2
8	☐	1.000		33292240.06		A	0.6

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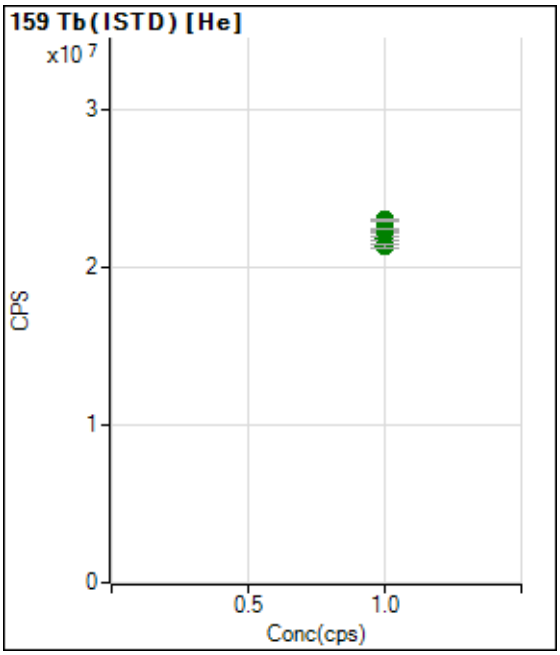

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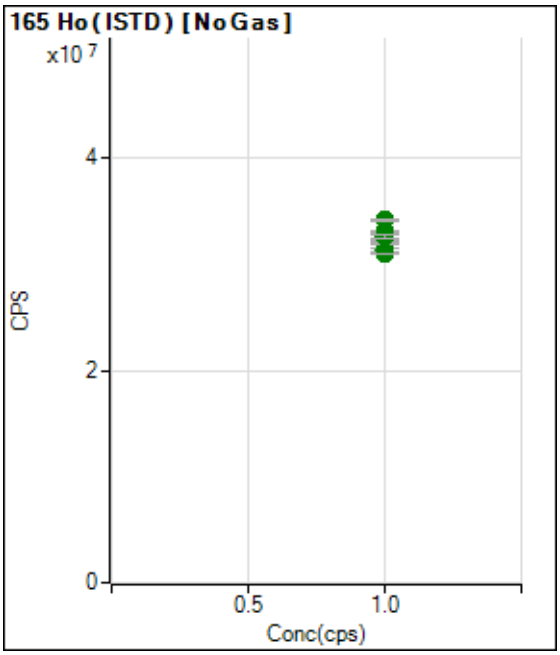
2	☐	1.000		21453517.46		A	0.4
3	☐	1.000		22254844.39		A	0.6
4	☐	1.000		21786333.01		A	1.2
5	☐	1.000		22306524.67		A	0.5
6	☐	1.000		22420419.66		A	0.5
7	☐	1.000		22992054.10		A	0.5
8	☐	1.000		21309992.04		A	0.8



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2	☐	1.000		30965143.15		A	0.3
3	☐	1.000		32354903.96		A	0.5
4	☐	1.000		31972392.30		A	0.7
5	☐	1.000		33070669.23		A	0.6
6	☐	1.000		32908805.34		A	0.6
7	☐	1.000		34179271.16		A	0.4
8	☐	1.000		32572794.24		A	1.3

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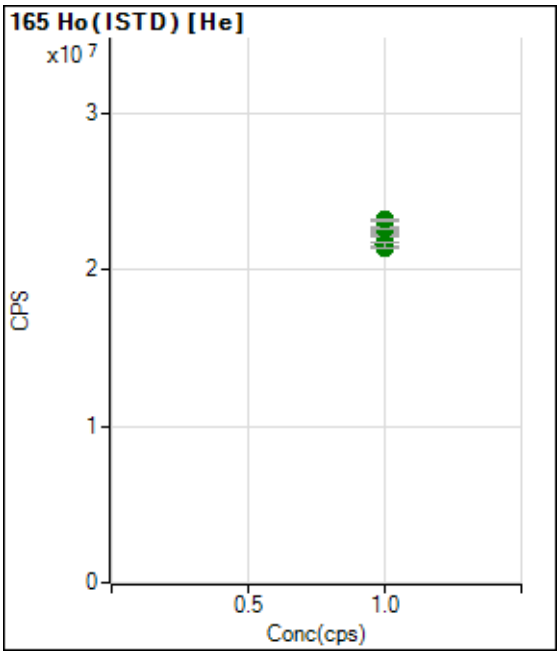

	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
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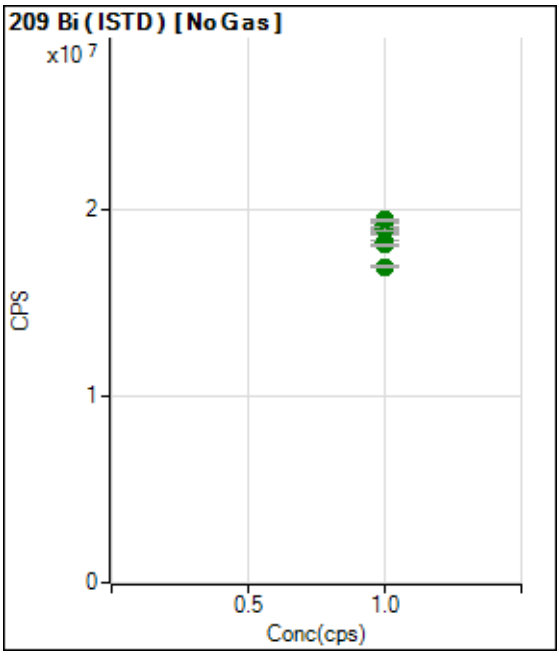
2	☐	1.000		21445042.32		A	1.0
3	☐	1.000		22267992.17		A	0.8
4	☐	1.000		22172346.34		A	0.7
5	☐	1.000		22561676.33		A	0.2
6	☐	1.000		22689201.61		A	0.7
7	☐	1.000		23196652.16		A	0.3
8	☐	1.000		21619951.76		A	1.9



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2	☐	1.000		18136166.26		A	0.5
3	☐	1.000		18913050.41		A	0.7
4	☐	1.000		18870885.27		A	1.8
5	☐	1.000		19195649.44		A	1.5
6	☐	1.000		19028286.39		A	0.8
7	☐	1.000		19493073.88		A	0.6
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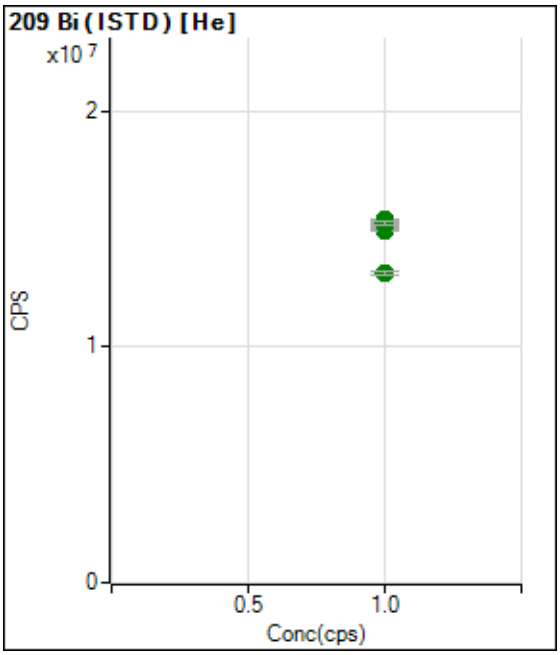

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2	☐	1.000		14976391.44		A	0.9
3	☐	1.000		15400380.46		A	0.7
4	☐	1.000		15152148.66		A	0.5
5	☐	1.000		15348593.10		A	0.2
6	☐	1.000		15255029.22		A	0.1
7	☐	1.000		15286184.91		A	0.9
8	☐	1.000		13147307.86		A	1.1

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7
ClientSampleId :TUNE002

US EPA Tune Check Report

Operator Name Jaswal

Acq/Data Batch D:\Agilent\ICPMH\1\DATA\P7112024 MS.b

Acq. Date-Time 2024-11-20 08:18:59

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		36123	361228.30			0.594	5.000
24		220392	2203924.49			0.729	5.000
25		25730	257295.33			0.837	5.000
26		29237	292368.26			0.836	5.000
59		247054	2470543.07			0.512	5.000
113		31092	310917.71			0.376	5.000
115		394087	3940866.44			0.913	5.000
206		75138	751384.37			0.591	5.000
207		65935	659346.42			0.506	5.000
208		162514	1625143.94			0.803	5.000
220		0	3.00			33.333	

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

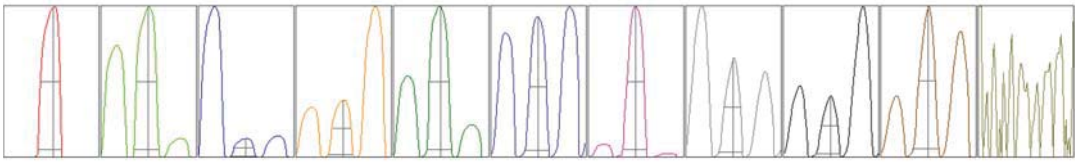
Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	36067	35836	36046	36281	36384
24	219529	218072	220783	221523	222055
25	25531	25525	25708	25859	26024
26	28969	29114	29154	29346	29602
59	248223	245424	246260	246994	248371
113	30977	30972	31237	31102	31171
115	388402	396506	392784	397238	395504
206	74723	74617	75352	75637	75363
207	65448	65738	66253	66075	66159
208	161348	161831	162155	162520	164718

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	62257.14	9.10	8.90 - 9.10	
24	366469.83	24.00	23.90 - 24.10	
25	44443.91	25.00	24.90 - 25.10	
26	50797.44	26.00	25.90 - 26.10	
59	423324.67	59.00	58.90 - 59.10	
113	59792.99	113.00	112.90 - 113.10	
115	753980.58	115.00	114.90 - 115.10	
206	153768.61	206.00	205.90 - 206.10	
207	133317.57	207.00	206.90 - 207.10	
208	324311.75	208.00	207.90 - 208.10	
220			-	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.61	0.740	0.900	
24	0.63	0.784	0.900	
25	0.61	0.758	0.900	
26	0.60	0.753	0.900	
59	0.61	0.782	0.900	
113	0.53	0.755	0.900	
115	0.53	0.764	0.900	
206	0.51	0.751	0.900	
207	0.51	0.752	0.900	
208	0.51	0.801	0.900	
220				

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

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.82 L/min	Dilution Gas	0.40 L/min

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7
ClientSampleId :TUNE002

US EPA Tune Check Report

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

Lens Parameters

Extract 1	0.0 V	Omega Lens	7.6 V	Deflect	15.4 V
Extract 2	-135.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-65 V	Cell Exit	-50 V		

Cell Parameters

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

QP Parameters

Mass Gain	136	Axis Gain	0.9973	QP Bias	-3.0 V
Mass Offset	130	Axis Offset	0.17		

Hardware Settings

Torch

Torch H	0.0 mm	Torch V	0.5 mm		

EM

Discriminator	4.6 mV	Analog HV	2221 V	Pulse HV	973 V

[He]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
59		79503	795033.93			0.654	
89		119161	1191609.85			1.305	
205		85001	850013.95			1.261	

Mass	RSD% (Flag)
59	
89	
205	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
59	79898	79923	78644	79602	79451
89	121180	119811	117059	119420	118335
205	86600	84672	84734	85324	83677

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	9.3 V	Deflect	3.8 V

US EPA Tune Check Report

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7
ClientSampleId :TUNE002

Extract 2	-175.0 V	Cell Entrance	-40 V	Plate Bias	-60
Omega Bias	-80 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	136	Axis Gain	0.9973	QP Bias	-13.0 V
Mass Offset	130	Axis Offset	0.17		

Hardware Settings

Torch

Torch H	0.0 mm	Torch V	0.5 mm		

EM

Discriminator	4.6 mV	Analog HV	2221 V	Pulse HV	973 V

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 09:21:55	DataFile Name :	004CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.07	0.10	-0.16	0.00	N/A	ppb
Antimony	121-1	0.00	0.00	0.00	0.00	N/A	ppb
Arsenic	75-2	0.01	0.00	-0.01	0.00	N/A	ppb
Barium	135-1	0.00	0.00	0.00	0.00	N/A	ppb
Barium	137-1	0.00	-0.01	0.01	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	0.04	-0.01	-0.03	0.00	N/A	ppb
Cadmium	106-1	-0.38	0.14	0.23	0.00	N/A	ppb
Cadmium	111-1	-0.03	0.01	0.02	0.00	N/A	ppb
Calcium	43-1	1.02	2.86	-3.88	0.00	N/A	ppb
Calcium	44-1	-0.39	1.44	-1.05	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	0.00	0.00	N/A	ppb
Cobalt	59-2	0.00	0.00	0.00	0.00	N/A	ppb
Copper	63-2	0.00	0.02	-0.02	0.00	N/A	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				100		%
Indium	115-1				100		%
Indium	115-2				100		%
Iron	56-2	0.05	-0.08	0.04	0.00	N/A	ppb
Iron	57-2	-0.30	0.51	-0.21	0.00	N/A	ppb
Iron	54-2	-0.01	-0.19	0.21	0.00	N/A	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 09:21:55	DataFile Name :	004CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	-0.01	0.00	0.01	0.00	N/A	ppb
Lead	207-1	-0.01	0.00	0.01	0.00	N/A	ppb
Lead	208-1	0.00	0.00	0.00	0.00	N/A	ppb
Lithium	6-1				100		%
Magnesium	24-2	0.03	0.01	-0.04	0.00	N/A	ppb
Manganese	55-2	-0.02	0.00	0.02	0.00	N/A	ppb
Molybdenum	94-1	0.00	-0.01	0.01	0.00	N/A	ppb
Molybdenum	95-1	0.00	0.00	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	0.00	-0.01	0.00	N/A	ppb
Phosphorus	31-2	-15.51	-9.41	-17.03	-13.98		ppb
Potassium	39-2	-1.40	0.53	0.86	0.00	N/A	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	82-1	0.25	0.06	-0.31	0.00	N/A	ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	0.08	0.13	-0.21	0.00	N/A	ppb
Silicon	28-1	0.41	-0.03	-0.39	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	-0.61	0.51	0.11	0.00	N/A	ppb
Strontium	86-1	-0.03	0.11	-0.08	0.00	N/A	ppb
Strontium	88-1	-0.02	-0.01	0.02	0.00	N/A	ppb
Sulfur	34-1	18.29	19.62	-79.95	-14.01		ppb
Terbium	159-1				100		%
Terbium	159-2				100		%
Thallium	203-1	0.00	0.00	0.00	0.00	N/A	ppb
Thallium	205-1	0.00	0.00	0.00	0.00	N/A	ppb
Tin	118-1	-0.01	0.01	0.00	0.00	N/A	ppb
Titanium	47-1	0.01	0.00	0.00	0.00	N/A	ppb

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 09:21:55	DataFile Name :	004CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	N/A	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	N/A	ppb
Yttrium	89-1				100		%
Yttrium	89-2				100		%
Zinc	66-2	-0.06	0.13	-0.07	0.00	N/A	ppb
Zirconium	90-1	0.00	0.00	0.00	0.00	N/A	ppb
Zirconium	91-1	0.00	0.00	0.00	0.00	N/A	ppb

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P7
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 09:28:28	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	18.47	19.32	19.55	19.11	2.99	ppb
Antimony	121-1	2.07	2.13	2.15	2.11	2.10	ppb
Arsenic	75-2	1.10	1.04	1.21	1.12	7.87	ppb
Barium	135-1	9.92	10.38	10.56	10.29	3.18	ppb
Barium	137-1	10.03	10.57	10.70	10.43	3.41	ppb
Beryllium	9-1	0.92	0.99	1.04	0.98	5.94	ppb
Bismuth	209-1				99		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.10	1.15	1.20	1.15	4.35	ppb
Cadmium	106-1	1.32	1.13	1.03	1.16	12.87	ppb
Cadmium	111-1	1.11	1.13	1.19	1.14	3.38	ppb
Calcium	43-1	521.78	527.50	543.89	531.06	2.16	ppb
Calcium	44-1	510.73	536.86	534.75	527.45	2.75	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.09	2.19	2.11	2.13	2.43	ppb
Cobalt	59-2	1.09	1.14	1.10	1.11	2.36	ppb
Copper	63-2	2.07	2.08	2.07	2.07	0.30	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				99		%
Holmium	165-2				99		%
Indium	115-1				98		%
Indium	115-2				100		%
Iron	56-2	54.75	56.40	55.11	55.42	1.56	ppb
Iron	57-2	55.25	58.63	58.11	57.33	3.17	ppb
Iron	54-2	55.18	57.53	55.65	56.12	2.22	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P7
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 09:28:28	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.98	0.99	1.01	0.99	1.59	ppb
Lead	207-1	0.98	1.00	1.01	1.00	1.83	ppb
Lead	208-1	0.97	1.00	1.01	0.99	1.83	ppb
Lithium	6-1				100		%
Magnesium	24-2	487.83	498.94	491.62	492.80	1.15	ppb
Manganese	55-2	1.02	1.11	1.00	1.04	5.88	ppb
Molybdenum	94-1	5.75	5.88	5.94	5.85	1.68	ppb
Molybdenum	95-1	4.85	4.97	5.01	4.94	1.75	ppb
Molybdenum	96-1	4.91	5.06	5.09	5.02	1.88	ppb
Molybdenum	97-1	4.90	5.06	4.98	4.98	1.65	ppb
Molybdenum	98-1	4.85	4.96	5.03	4.95	1.81	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.05	1.10	1.05	1.07	2.73	ppb
Phosphorus	31-2	9.21	16.97	15.77	13.98	29.86	ppb
Potassium	39-2	515.11	527.49	514.58	519.06	1.41	ppb
Rhodium	103-1				98		%
Rhodium	103-2				100		%
Scandium	45-1				98		%
Scandium	45-2				99		%
Selenium	82-1	4.86	5.28	4.87	5.01	4.73	ppb
Selenium	77-2	5.87	5.34	5.19	5.46	6.52	ppb
Selenium	78-2	4.93	5.40	6.13	5.49	11.08	ppb
Silicon	28-1	1.41	1.88	1.55	1.61	14.98	ppb
Silver	107-1	1.06	1.08	1.12	1.09	2.95	ppb
Silver	109-1	1.05	1.09	1.11	1.09	2.87	ppb
Sodium	23-2	491.14	504.64	497.57	497.78	1.36	ppb
Strontium	86-1	24.36	25.98	25.62	25.32	3.35	ppb
Strontium	88-1	24.98	26.18	25.41	25.52	2.37	ppb
Sulfur	34-1	38.83	29.69	-26.48	14.01	252.34	ppb
Terbium	159-1				99		%
Terbium	159-2				98		%
Thallium	203-1	0.96	0.99	0.99	0.98	1.62	ppb
Thallium	205-1	0.97	1.00	1.02	1.00	2.38	ppb
Tin	118-1	5.11	5.25	5.44	5.26	3.15	ppb
Titanium	47-1	4.88	5.16	5.00	5.02	2.83	ppb

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P7
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 09:28:28	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.92	0.95	0.96	0.94	2.34	ppb
Vanadium	51-2	5.06	5.27	5.17	5.17	2.03	ppb
Yttrium	89-1				99		%
Yttrium	89-2				99		%
Zinc	66-2	4.75	4.99	4.96	4.90	2.71	ppb
Zirconium	90-1	0.96	1.02	1.00	0.99	3.20	ppb
Zirconium	91-1	0.97	0.99	1.01	0.99	2.39	ppb

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P7
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 09:31:44	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	986.85	980.72	978.20	981.92	0.45	ppb
Antimony	121-1	51.76	51.03	51.78	51.52	0.83	ppb
Arsenic	75-2	52.16	52.55	52.88	52.53	0.68	ppb
Barium	135-1	255.36	252.83	256.48	254.89	0.73	ppb
Barium	137-1	268.22	264.98	265.70	266.30	0.64	ppb
Beryllium	9-1	49.74	49.35	50.50	49.86	1.17	ppb
Bismuth	209-1				104		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	55.07	53.54	55.00	54.54	1.58	ppb
Cadmium	106-1	56.72	53.78	53.91	54.80	3.03	ppb
Cadmium	111-1	54.19	53.34	54.28	53.94	0.96	ppb
Calcium	43-1	5195.15	5227.42	5237.57	5220.05	0.42	ppb
Calcium	44-1	5097.48	5060.91	4998.61	5052.34	0.99	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	51.29	51.34	50.86	51.16	0.52	ppb
Cobalt	59-2	52.43	52.21	52.17	52.27	0.27	ppb
Copper	63-2	552.23	542.18	545.95	546.79	0.93	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				102		%
Indium	115-1				101		%
Indium	115-2				101		%
Iron	56-2	2690.11	2703.64	2680.62	2691.46	0.43	ppb
Iron	57-2	2727.52	2719.55	2696.26	2714.44	0.60	ppb
Iron	54-2	2733.42	2717.10	2717.53	2722.68	0.34	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P7
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 09:31:44	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	256.39	249.50	255.36	253.75	1.47	ppb
Lead	207-1	253.71	249.95	260.61	254.75	2.12	ppb
Lead	208-1	253.78	250.85	256.68	253.77	1.15	ppb
Lithium	6-1				102		%
Magnesium	24-2	5178.57	5149.04	5173.51	5167.04	0.31	ppb
Manganese	55-2	525.58	523.61	514.81	521.33	1.10	ppb
Molybdenum	94-1	511.92	506.63	507.09	508.55	0.58	ppb
Molybdenum	95-1	517.79	509.86	505.71	511.12	1.20	ppb
Molybdenum	96-1	508.52	512.60	505.49	508.87	0.70	ppb
Molybdenum	97-1	511.65	509.64	505.20	508.83	0.65	ppb
Molybdenum	98-1	506.81	510.34	509.30	508.82	0.36	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	52.69	52.70	52.27	52.55	0.46	ppb
Phosphorus	31-2	1068.48	1042.40	1036.14	1049.01	1.64	ppb
Potassium	39-2	2534.99	2551.16	2551.97	2546.04	0.38	ppb
Rhodium	103-1				101		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				98		%
Selenium	82-1	51.96	52.38	51.98	52.11	0.45	ppb
Selenium	77-2	55.25	53.11	52.49	53.61	2.70	ppb
Selenium	78-2	56.04	53.90	53.33	54.42	2.62	ppb
Silicon	28-1	47.95	49.23	49.65	48.94	1.81	ppb
Silver	107-1	55.64	54.98	54.91	55.17	0.73	ppb
Silver	109-1	55.70	55.07	55.89	55.55	0.76	ppb
Sodium	23-2	5292.88	5354.52	5347.89	5331.76	0.63	ppb
Strontium	86-1	1265.63	1259.68	1248.11	1257.81	0.71	ppb
Strontium	88-1	1289.95	1296.38	1275.06	1287.13	0.85	ppb
Sulfur	34-1	814.48	791.40	775.90	793.93	2.45	ppb
Terbium	159-1				103		%
Terbium	159-2				102		%
Thallium	203-1	49.10	48.86	49.71	49.22	0.89	ppb
Thallium	205-1	49.72	49.86	50.31	49.96	0.62	ppb
Tin	118-1	52.28	51.42	52.34	52.01	0.99	ppb
Titanium	47-1	510.72	520.19	514.22	515.04	0.93	ppb

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P7
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 09:31:44	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	48.12	48.59	50.12	48.94	2.14	ppb
Vanadium	51-2	50.56	49.91	50.39	50.29	0.67	ppb
Yttrium	89-1				102		%
Yttrium	89-2				101		%
Zinc	66-2	525.56	525.48	520.06	523.70	0.60	ppb
Zirconium	90-1	51.48	50.88	51.31	51.22	0.60	ppb
Zirconium	91-1	49.98	50.30	49.80	50.03	0.51	ppb

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P7
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 09:34:40	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2491.90	2510.06	2501.45	2501.14	0.36	ppb
Antimony	121-1	129.42	127.88	129.60	128.97	0.73	ppb
Arsenic	75-2	128.35	127.84	127.44	127.88	0.35	ppb
Barium	135-1	653.36	648.36	641.03	647.58	0.96	ppb
Barium	137-1	652.03	641.05	640.62	644.57	1.00	ppb
Beryllium	9-1	120.97	123.21	124.20	122.79	1.34	ppb
Bismuth	209-1				103		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	135.62	130.46	133.94	133.34	1.97	ppb
Cadmium	106-1	134.15	134.18	131.73	133.35	1.05	ppb
Cadmium	111-1	131.25	131.21	130.14	130.86	0.48	ppb
Calcium	43-1	12909.48	12965.34	12827.06	12900.63	0.54	ppb
Calcium	44-1	12644.19	12709.98	12525.31	12626.49	0.74	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	126.87	125.05	127.13	126.35	0.90	ppb
Cobalt	59-2	131.41	131.48	131.11	131.33	0.15	ppb
Copper	63-2	1357.57	1317.73	1321.67	1332.32	1.65	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				102		%
Holmium	165-2				102		%
Indium	115-1				99		%
Indium	115-2				99		%
Iron	56-2	6716.26	6546.41	6684.78	6649.15	1.36	ppb
Iron	57-2	6775.86	6657.75	6662.12	6698.58	1.00	ppb
Iron	54-2	6672.69	6476.79	6764.69	6638.06	2.22	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P7
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 09:34:40	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	624.68	612.99	622.38	620.02	1.00	ppb
Lead	207-1	628.47	612.95	626.41	622.61	1.35	ppb
Lead	208-1	629.51	616.98	627.74	624.74	1.09	ppb
Lithium	6-1				100		%
Magnesium	24-2	12664.69	12621.17	12839.99	12708.62	0.91	ppb
Manganese	55-2	1300.71	1270.61	1301.64	1290.98	1.37	ppb
Molybdenum	94-1	1253.39	1274.57	1257.66	1261.88	0.89	ppb
Molybdenum	95-1	1264.60	1278.20	1266.68	1269.82	0.58	ppb
Molybdenum	96-1	1267.91	1266.01	1259.65	1264.52	0.34	ppb
Molybdenum	97-1	1247.61	1257.63	1259.45	1254.89	0.51	ppb
Molybdenum	98-1	1272.24	1264.25	1262.43	1266.31	0.41	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	128.78	128.16	127.96	128.30	0.33	ppb
Phosphorus	31-2	2571.65	2602.71	2570.98	2581.78	0.70	ppb
Potassium	39-2	6350.17	6212.58	6285.91	6282.89	1.10	ppb
Rhodium	103-1				98		%
Rhodium	103-2				99		%
Scandium	45-1				97		%
Scandium	45-2				96		%
Selenium	82-1	126.79	126.96	126.37	126.71	0.24	ppb
Selenium	77-2	120.78	128.08	121.24	123.37	3.31	ppb
Selenium	78-2	126.75	128.21	129.12	128.03	0.93	ppb
Silicon	28-1	135.65	135.36	132.86	134.62	1.14	ppb
Silver	107-1	134.40	135.14	133.46	134.33	0.63	ppb
Silver	109-1	136.48	136.69	132.82	135.33	1.61	ppb
Sodium	23-2	13183.67	12995.02	13153.08	13110.59	0.77	ppb
Strontium	86-1	3074.76	3118.65	3094.43	3095.95	0.71	ppb
Strontium	88-1	3147.61	3193.00	3189.98	3176.86	0.80	ppb
Sulfur	34-1	2244.47	2263.27	2147.00	2218.25	2.81	ppb
Terbium	159-1				102		%
Terbium	159-2				100		%
Thallium	203-1	122.86	122.10	123.74	122.90	0.67	ppb
Thallium	205-1	124.28	123.28	122.99	123.52	0.55	ppb
Tin	118-1	131.42	130.85	127.01	129.76	1.85	ppb
Titanium	47-1	1259.99	1270.41	1251.32	1260.57	0.76	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P7
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 09:34:40	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	122.31	119.77	121.27	121.12	1.05	ppb
Vanadium	51-2	124.44	123.41	124.78	124.21	0.57	ppb
Yttrium	89-1				99		%
Yttrium	89-2				100		%
Zinc	66-2	1320.32	1306.59	1305.88	1310.93	0.62	ppb
Zirconium	90-1	125.15	125.59	127.03	125.92	0.78	ppb
Zirconium	91-1	123.03	124.31	123.96	123.77	0.53	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P7
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 09:37:26	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	5015.11	4983.24	4844.36	4947.57	1.84	ppb
Antimony	121-1	250.32	254.49	254.85	253.22	0.99	ppb
Arsenic	75-2	254.27	252.28	250.37	252.30	0.77	ppb
Barium	135-1	1260.34	1275.01	1264.82	1266.72	0.59	ppb
Barium	137-1	1247.47	1294.03	1274.22	1271.91	1.84	ppb
Beryllium	9-1	238.51	239.86	239.75	239.37	0.31	ppb
Bismuth	209-1				105		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	258.91	262.80	262.93	261.55	0.87	ppb
Cadmium	106-1	256.07	261.97	261.48	259.84	1.26	ppb
Cadmium	111-1	258.70	258.03	257.80	258.17	0.18	ppb
Calcium	43-1	24882.84	25167.12	25885.10	25311.69	2.04	ppb
Calcium	44-1	25062.27	25079.01	25258.28	25133.19	0.43	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	261.05	264.33	254.37	259.92	1.95	ppb
Cobalt	59-2	266.73	263.78	257.33	262.61	1.83	ppb
Copper	63-2	2692.71	2654.24	2645.64	2664.20	0.94	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				104		%
Indium	115-1				100		%
Indium	115-2				100		%
Iron	56-2	13584.33	13419.32	13220.68	13408.11	1.36	ppb
Iron	57-2	13575.01	13476.62	13012.39	13354.67	2.25	ppb
Iron	54-2	13617.71	13464.68	13058.16	13380.18	2.16	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P7
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 09:37:26	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1232.07	1250.59	1263.87	1248.84	1.28	ppb
Lead	207-1	1229.98	1251.03	1270.33	1250.44	1.61	ppb
Lead	208-1	1235.13	1253.31	1274.90	1254.45	1.59	ppb
Lithium	6-1				103		%
Magnesium	24-2	25498.41	25394.32	25083.22	25325.32	0.85	ppb
Manganese	55-2	2638.58	2624.29	2551.92	2604.93	1.78	ppb
Molybdenum	94-1	2511.56	2516.52	2542.59	2523.56	0.66	ppb
Molybdenum	95-1	2515.61	2532.42	2554.46	2534.16	0.77	ppb
Molybdenum	96-1	2497.18	2535.99	2540.78	2524.65	0.95	ppb
Molybdenum	97-1	2474.39	2548.45	2526.70	2516.51	1.51	ppb
Molybdenum	98-1	2500.63	2534.52	2536.19	2523.78	0.80	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	258.11	256.78	253.34	256.08	0.96	ppb
Phosphorus	31-2	5201.96	5204.58	5076.70	5161.08	1.42	ppb
Potassium	39-2	12580.52	12653.49	12453.64	12562.55	0.81	ppb
Rhodium	103-1				99		%
Rhodium	103-2				99		%
Scandium	45-1				98		%
Scandium	45-2				95		%
Selenium	82-1	252.23	256.17	256.46	254.95	0.93	ppb
Selenium	77-2	248.51	249.79	258.47	252.26	2.15	ppb
Selenium	78-2	254.57	253.00	257.55	255.04	0.91	ppb
Silicon	28-1	228.75	232.52	237.97	233.08	1.99	ppb
Silver	107-1	258.54	260.98	262.37	260.63	0.74	ppb
Silver	109-1	260.86	264.64	263.95	263.15	0.76	ppb
Sodium	23-2	26639.90	26409.25	25957.03	26335.40	1.32	ppb
Strontium	86-1	6294.69	6337.59	6251.69	6294.66	0.68	ppb
Strontium	88-1	6291.69	6301.65	6339.99	6311.11	0.40	ppb
Sulfur	34-1	4367.11	4321.11	4403.20	4363.80	0.94	ppb
Terbium	159-1				104		%
Terbium	159-2				102		%
Thallium	203-1	247.67	246.20	250.70	248.19	0.92	ppb
Thallium	205-1	245.34	249.60	253.23	249.39	1.58	ppb
Tin	118-1	249.47	255.05	253.62	252.71	1.15	ppb
Titanium	47-1	2506.21	2529.04	2535.02	2523.42	0.60	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P7
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 09:37:26	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	242.10	244.76	257.70	248.19	3.36	ppb
Vanadium	51-2	261.68	260.05	252.77	258.17	1.84	ppb
Yttrium	89-1				101		%
Yttrium	89-2				101		%
Zinc	66-2	2673.71	2630.18	2621.24	2641.71	1.06	ppb
Zirconium	90-1	248.98	249.79	255.67	251.48	1.45	ppb
Zirconium	91-1	253.24	253.56	256.29	254.36	0.66	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P7
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 09:40:14	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9942.10	9694.66	9678.56	9771.78	1.51	ppb
Antimony	121-1	502.27	497.39	502.60	500.75	0.58	ppb
Arsenic	75-2	501.19	508.07	508.10	505.79	0.79	ppb
Barium	135-1	2501.66	2516.53	2494.04	2504.08	0.46	ppb
Barium	137-1	2524.09	2515.35	2518.09	2519.18	0.18	ppb
Beryllium	9-1	502.27	515.80	515.07	511.05	1.49	ppb
Bismuth	209-1				104		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	512.59	505.66	505.57	507.94	0.79	ppb
Cadmium	106-1	509.47	501.98	504.38	505.27	0.76	ppb
Cadmium	111-1	517.79	504.02	507.99	509.93	1.39	ppb
Calcium	43-1	49770.12	50646.96	50233.60	50216.90	0.87	ppb
Calcium	44-1	49556.54	50133.32	49721.25	49803.70	0.60	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	518.28	501.42	514.45	511.38	1.73	ppb
Cobalt	59-2	525.20	509.71	509.09	514.67	1.77	ppb
Copper	63-2	5224.69	5139.44	5153.40	5172.51	0.88	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				104		%
Indium	115-1				98		%
Indium	115-2				98		%
Iron	56-2	27128.62	26227.22	26037.22	26464.35	2.20	ppb
Iron	57-2	26714.19	25790.29	25912.29	26138.92	1.92	ppb
Iron	54-2	26838.13	25986.93	26194.50	26339.85	1.69	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P7
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 09:40:14	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2467.82	2522.47	2551.94	2514.08	1.70	ppb
Lead	207-1	2491.13	2506.54	2523.63	2507.10	0.65	ppb
Lead	208-1	2492.21	2509.32	2532.86	2511.46	0.81	ppb
Lithium	6-1				100		%
Magnesium	24-2	50098.72	49451.45	49253.18	49601.12	0.89	ppb
Manganese	55-2	5267.25	5132.11	5089.48	5162.95	1.80	ppb
Molybdenum	94-1	4969.63	5023.45	5029.73	5007.61	0.66	ppb
Molybdenum	95-1	4961.17	5007.09	5026.51	4998.26	0.67	ppb
Molybdenum	96-1	4913.36	5035.11	4978.16	4975.54	1.22	ppb
Molybdenum	97-1	4920.62	5021.58	5029.84	4990.68	1.22	ppb
Molybdenum	98-1	4946.77	5059.50	5049.51	5018.59	1.24	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	524.43	510.83	522.44	519.23	1.41	ppb
Phosphorus	31-2	10396.16	10127.39	10164.24	10229.26	1.42	ppb
Potassium	39-2	24640.88	24612.98	24507.72	24587.19	0.29	ppb
Rhodium	103-1				96		%
Rhodium	103-2				97		%
Scandium	45-1				96		%
Scandium	45-2				95		%
Selenium	82-1	493.04	502.99	503.24	499.76	1.16	ppb
Selenium	77-2	505.78	494.09	490.52	496.80	1.61	ppb
Selenium	78-2	501.01	503.11	505.90	503.34	0.49	ppb
Silicon	28-1	569.32	572.47	564.14	568.64	0.74	ppb
Silver	107-1	515.50	507.41	509.33	510.75	0.83	ppb
Silver	109-1	514.28	504.57	508.17	509.00	0.96	ppb
Sodium	23-2	52120.75	51156.35	51459.22	51578.77	0.96	ppb
Strontium	86-1	12495.16	12658.21	12530.60	12561.32	0.68	ppb
Strontium	88-1	12425.00	12541.26	12544.73	12503.66	0.55	ppb
Sulfur	34-1	10519.86	10691.04	10162.67	10457.85	2.58	ppb
Terbium	159-1				104		%
Terbium	159-2				103		%
Thallium	203-1	491.96	494.78	506.18	497.64	1.51	ppb
Thallium	205-1	489.72	501.84	506.38	499.31	1.73	ppb
Tin	118-1	508.04	500.58	502.52	503.71	0.77	ppb
Titanium	47-1	4988.53	5078.21	5038.94	5035.22	0.89	ppb

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P7
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 09:40:14	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	487.30	494.74	510.64	497.56	2.40	ppb
Vanadium	51-2	513.77	501.42	503.81	506.33	1.29	ppb
Yttrium	89-1				100		%
Yttrium	89-2				99		%
Zinc	66-2	5267.85	5172.13	5158.36	5199.44	1.15	ppb
Zirconium	90-1	500.33	505.51	505.60	503.82	0.60	ppb
Zirconium	91-1	497.27	505.30	506.50	503.02	1.00	ppb

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P7
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 09:42:59	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	18865.98	18789.83	19011.79	18889.20	0.60	ppb
Antimony	121-1	982.87	1002.55	1009.32	998.24	1.38	ppb
Arsenic	75-2	1006.96	991.21	989.96	996.04	0.95	ppb
Barium	135-1	4925.83	5012.39	5033.93	4990.71	1.15	ppb
Barium	137-1	4912.94	4989.32	5042.76	4981.67	1.31	ppb
Beryllium	9-1	990.71	993.06	1008.47	997.41	0.97	ppb
Bismuth	209-1				107		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	977.40	988.05	1010.17	991.87	1.69	ppb
Cadmium	106-1	977.34	994.24	1009.27	993.62	1.61	ppb
Cadmium	111-1	987.89	988.77	999.52	992.06	0.65	ppb
Calcium	43-1	100053.77	100431.86	100820.21	100435.28	0.38	ppb
Calcium	44-1	98460.81	100061.23	100702.02	99741.36	1.16	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	983.35	986.01	1005.45	991.60	1.22	ppb
Cobalt	59-2	977.08	1004.47	984.27	988.61	1.44	ppb
Copper	63-2	9820.91	9843.85	9915.44	9860.06	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				107		%
Indium	115-1				100		%
Indium	115-2				99		%
Iron	56-2	50044.47	50573.36	50773.09	50463.64	0.75	ppb
Iron	57-2	50239.01	50654.13	50335.91	50409.69	0.43	ppb
Iron	54-2	50310.70	50322.19	50829.24	50487.38	0.59	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P7
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 09:42:59	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	4990.79	5046.17	4944.10	4993.69	1.02	ppb
Lead	207-1	5014.10	5039.00	4936.10	4996.40	1.07	ppb
Lead	208-1	5007.61	5010.21	4961.18	4993.00	0.55	ppb
Lithium	6-1				101		%
Magnesium	24-2	97634.65	97191.27	97059.67	97295.20	0.31	ppb
Manganese	55-2	9811.48	9891.81	9955.02	9886.10	0.73	ppb
Molybdenum	94-1	9860.74	10000.56	10103.88	9988.39	1.22	ppb
Molybdenum	95-1	9872.14	9987.33	10108.42	9989.30	1.18	ppb
Molybdenum	96-1	9890.88	10018.70	10101.85	10003.81	1.06	ppb
Molybdenum	97-1	9860.71	10011.32	10126.41	9999.48	1.33	ppb
Molybdenum	98-1	9891.63	10006.65	10048.55	9982.28	0.81	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	980.51	997.34	987.13	988.32	0.86	ppb
Phosphorus	31-2	19642.61	19770.14	20084.53	19832.42	1.15	ppb
Potassium	39-2	47256.31	47583.16	48271.89	47703.79	1.09	ppb
Rhodium	103-1				98		%
Rhodium	103-2				98		%
Scandium	45-1				98		%
Scandium	45-2				100		%
Selenium	82-1	986.62	1002.95	1006.11	998.56	1.05	ppb
Selenium	77-2	1018.15	1002.36	982.66	1001.06	1.78	ppb
Selenium	78-2	998.35	982.68	1008.38	996.47	1.30	ppb
Silicon	28-1	966.32	969.53	970.67	968.84	0.23	ppb
Silver	107-1	984.52	995.06	992.06	990.54	0.55	ppb
Silver	109-1	976.92	991.43	1003.58	990.64	1.35	ppb
Sodium	23-2	99273.45	98589.56	100338.23	99400.41	0.89	ppb
Strontium	86-1	24785.60	25094.48	25004.16	24961.41	0.64	ppb
Strontium	88-1	24911.45	24855.74	25156.46	24974.55	0.64	ppb
Sulfur	34-1	19906.69	19872.19	20148.06	19975.64	0.75	ppb
Terbium	159-1				108		%
Terbium	159-2				105		%
Thallium	203-1	1006.34	996.98	1002.48	1001.93	0.47	ppb
Thallium	205-1	998.72	1007.91	995.42	1000.68	0.65	ppb
Tin	118-1	988.69	1000.54	1001.07	996.77	0.70	ppb
Titanium	47-1	9844.97	9963.25	10115.15	9974.46	1.36	ppb

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P7
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 09:42:59	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1001.73	1007.86	997.05	1002.21	0.54	ppb
Vanadium	51-2	981.13	998.24	1005.25	994.88	1.25	ppb
Yttrium	89-1				103		%
Yttrium	89-2				102		%
Zinc	66-2	9734.16	9852.92	9981.07	9856.05	1.25	ppb
Zirconium	90-1	988.58	997.70	1006.36	997.55	0.89	ppb
Zirconium	91-1	981.87	999.18	1011.60	997.55	1.50	ppb

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P7
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 09:45:46	DataFile Name :	012CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	102551.09	99749.79	98442.39	100247.76	2.09	ppb
Antimony	121-1	0.46	0.49	0.57	0.50	10.85	ppb
Arsenic	75-2	0.53	0.59	0.58	0.57	6.10	ppb
Barium	135-1	2.06	1.99	1.93	1.99	3.20	ppb
Barium	137-1	2.15	2.06	2.02	2.07	3.29	ppb
Beryllium	9-1	0.18	0.12	0.09	0.13	33.59	ppb
Bismuth	209-1				93		%
Bismuth	209-2				87		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.55	0.40	0.61	0.52	21.34	ppb
Cadmium	106-1	-0.12	-0.17	-0.32	-0.20		ppb
Cadmium	111-1	0.19	0.17	0.15	0.17	10.34	ppb
Calcium	43-1	503310.64	492251.80	504027.83	499863.42	1.32	ppb
Calcium	44-1	503307.41	495021.33	501854.21	500060.99	0.88	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.20	1.19	1.12	1.17	3.93	ppb
Cobalt	59-2	2.54	2.52	2.54	2.53	0.48	ppb
Copper	63-2	1.74	1.69	1.58	1.67	5.10	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				99		%
Indium	115-1				94		%
Indium	115-2				94		%
Iron	56-2	254865.58	245048.05	249196.98	249703.54	1.97	ppb
Iron	57-2	254976.06	251323.27	242944.90	249748.08	2.47	ppb
Iron	54-2	252648.13	246620.23	249869.45	249712.60	1.21	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P7
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 09:45:46	DataFile Name :	012CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.74	0.66	0.59	0.66	11.45	ppb
Lead	207-1	0.74	0.66	0.60	0.67	10.65	ppb
Lead	208-1	0.74	0.65	0.60	0.66	11.02	ppb
Lithium	6-1				92		%
Magnesium	24-2	505854.71	500313.64	495504.76	500557.70	1.03	ppb
Manganese	55-2	3.55	3.43	3.42	3.47	2.19	ppb
Molybdenum	94-1	2.53	2.38	2.31	2.41	4.75	ppb
Molybdenum	95-1	1.79	1.60	1.54	1.64	8.04	ppb
Molybdenum	96-1	3.07	2.83	2.79	2.90	5.20	ppb
Molybdenum	97-1	1.72	1.55	1.46	1.58	8.37	ppb
Molybdenum	98-1	1.71	1.52	1.45	1.56	8.56	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.68	2.50	2.56	2.58	3.47	ppb
Phosphorus	31-2	-14.41	-12.80	-15.81	-14.34		ppb
Potassium	39-2	253817.83	251130.67	246539.73	250496.08	1.47	ppb
Rhodium	103-1				88		%
Rhodium	103-2				88		%
Scandium	45-1				96		%
Scandium	45-2				97		%
Selenium	82-1	0.97	0.54	0.67	0.72	30.73	ppb
Selenium	77-2	0.19	0.29	0.28	0.25	21.86	ppb
Selenium	78-2	0.29	0.64	0.67	0.54	39.36	ppb
Silicon	28-1	0.17	-0.99	-0.95	-0.59		ppb
Silver	107-1	0.15	0.13	0.12	0.13	10.58	ppb
Silver	109-1	0.16	0.13	0.11	0.13	16.86	ppb
Sodium	23-2	512572.33	491754.54	495303.20	499876.69	2.23	ppb
Strontium	86-1	81.14	80.87	81.18	81.06	0.21	ppb
Strontium	88-1	81.94	82.13	81.69	81.92	0.27	ppb
Sulfur	34-1	-653.54	-644.12	-581.60	-626.42		ppb
Terbium	159-1				102		%
Terbium	159-2				98		%
Thallium	203-1	0.11	0.07	0.06	0.08	32.65	ppb
Thallium	205-1	0.10	0.08	0.06	0.08	25.65	ppb
Tin	118-1	0.11	0.09	0.09	0.10	13.21	ppb
Titanium	47-1	1.48	1.34	1.32	1.38	6.48	ppb

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P7
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 09:45:46	DataFile Name :	012CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.10	0.08	0.06	0.08	23.53	ppb
Vanadium	51-2	0.28	0.25	0.24	0.26	8.47	ppb
Yttrium	89-1				99		%
Yttrium	89-2				100		%
Zinc	66-2	-1.69	-1.87	-1.76	-1.77		ppb
Zirconium	90-1	0.57	0.55	0.54	0.55	3.07	ppb
Zirconium	91-1	0.60	0.55	0.50	0.55	8.98	ppb

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	ICV002	Instrumnet Name :	P7
Client Sample ID :	ICV002	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:03:13	DataFile Name :	013ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	536.27	542.85	545.84	541.65	0.90	ppb
Antimony	121-1	206.47	204.06	208.14	206.22	1.00	ppb
Arsenic	75-2	204.99	207.73	205.48	206.07	0.71	ppb
Barium	135-1	100.02	99.89	100.32	100.08	0.22	ppb
Barium	137-1	100.12	100.55	101.44	100.70	0.66	ppb
Beryllium	9-1	98.03	102.43	98.68	99.71	2.38	ppb
Bismuth	209-1				108		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	95.71	95.95	93.96	95.21	1.14	ppb
Cadmium	106-1	93.41	92.83	92.67	92.97	0.42	ppb
Cadmium	111-1	106.79	106.81	105.90	106.50	0.49	ppb
Calcium	43-1	1907.25	1926.36	1917.32	1916.98	0.50	ppb
Calcium	44-1	1922.42	1905.02	1893.73	1907.06	0.76	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	100.86	101.24	100.56	100.89	0.33	ppb
Cobalt	59-2	103.75	104.67	106.99	105.13	1.59	ppb
Copper	63-2	97.93	98.13	98.03	98.03	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				106		%
Holmium	165-2				106		%
Indium	115-1				106		%
Indium	115-2				107		%
Iron	56-2	2030.71	2063.88	2046.55	2047.05	0.81	ppb
Iron	57-2	2054.45	2052.73	2050.28	2052.49	0.10	ppb
Iron	54-2	2090.58	2099.63	2114.84	2101.68	0.58	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	ICV002	Instrumnet Name :	P7
Client Sample ID :	ICV002	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:03:13	DataFile Name :	013ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	208.38	207.51	216.86	210.92	2.45	ppb
Lead	207-1	200.20	201.55	207.83	203.19	2.00	ppb
Lead	208-1	205.94	204.94	210.48	207.12	1.43	ppb
Lithium	6-1				101		%
Magnesium	24-2	1178.28	1098.91	1106.32	1127.83	3.89	ppb
Manganese	55-2	97.41	98.24	98.16	97.94	0.47	ppb
Molybdenum	94-1	0.03	0.05	0.06	0.05	39.26	ppb
Molybdenum	95-1	0.03	0.02	0.03	0.03	14.77	ppb
Molybdenum	96-1	0.04	0.05	0.05	0.05	17.81	ppb
Molybdenum	97-1	0.03	0.03	0.03	0.03	8.05	ppb
Molybdenum	98-1	0.03	0.03	0.04	0.03	13.50	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	103.38	104.02	104.08	103.83	0.37	ppb
Phosphorus	31-2	-19.05	-16.93	-19.48	-18.49		ppb
Potassium	39-2	1917.74	1925.46	1912.17	1918.46	0.35	ppb
Rhodium	103-1				105		%
Rhodium	103-2				106		%
Scandium	45-1				106		%
Scandium	45-2				105		%
Selenium	82-1	210.39	209.61	212.98	211.00	0.84	ppb
Selenium	77-2	215.53	210.04	209.57	211.71	1.57	ppb
Selenium	78-2	212.82	211.98	208.22	211.00	1.16	ppb
Silicon	28-1	-3.07	-2.78	-3.63	-3.16		ppb
Silver	107-1	53.60	51.58	52.96	52.71	1.96	ppb
Silver	109-1	52.62	53.90	52.47	53.00	1.48	ppb
Sodium	23-2	1957.76	1957.28	1986.42	1967.15	0.85	ppb
Strontium	86-1	6.10	4.91	5.46	5.49	10.85	ppb
Strontium	88-1	5.71	5.67	5.68	5.69	0.41	ppb
Sulfur	34-1	-346.41	-359.10	-394.39	-366.63		ppb
Terbium	159-1				105		%
Terbium	159-2				105		%
Thallium	203-1	207.66	205.29	209.32	207.42	0.98	ppb
Thallium	205-1	205.78	203.08	211.38	206.75	2.05	ppb
Tin	118-1	-0.06	-0.05	-0.06	-0.06		ppb
Titanium	47-1	0.04	0.04	0.04	0.04	5.69	ppb

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	ICV002	Instrumnet Name :	P7
Client Sample ID :	ICV002	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:03:13	DataFile Name :	013ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	30.90	ppb
Vanadium	51-2	95.98	96.59	97.38	96.65	0.73	ppb
Yttrium	89-1				106		%
Yttrium	89-2				107		%
Zinc	66-2	199.02	198.64	199.73	199.13	0.28	ppb
Zirconium	90-1	0.01	0.01	0.02	0.01	63.08	ppb
Zirconium	91-1	0.06	0.06	0.06	0.06	6.84	ppb

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	ICB002	Instrumnet Name :	P7
Client Sample ID :	ICB002	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:07:56	DataFile Name :	014CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.29	-0.30	-0.29	-0.29		ppb
Antimony	121-1	0.03	0.03	0.05	0.04	23.26	ppb
Arsenic	75-2	0.01	0.02	0.01	0.01	48.51	ppb
Barium	135-1	0.02	0.03	0.01	0.02	29.99	ppb
Barium	137-1	0.01	0.01	0.02	0.01	32.93	ppb
Beryllium	9-1	0.05	0.02	0.01	0.03	69.67	ppb
Bismuth	209-1				101		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.03	0.07	0.01	0.04	77.73	ppb
Cadmium	106-1	-1.69	-1.52	-1.98	-1.73		ppb
Cadmium	111-1	-0.11	-0.10	-0.13	-0.12		ppb
Calcium	43-1	-0.39	-0.72	-5.06	-2.06		ppb
Calcium	44-1	-4.99	-2.86	-2.51	-3.45		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.00	-0.01	0.00	0.00		ppb
Cobalt	59-2	0.00	0.00	-0.01	0.00		ppb
Copper	63-2	0.03	0.02	0.01	0.02	46.93	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				104		%
Indium	115-1				100		%
Indium	115-2				104		%
Iron	56-2	0.06	-0.04	-0.03	0.00		ppb
Iron	57-2	-0.11	0.04	-0.62	-0.23		ppb
Iron	54-2	-0.47	-0.22	-0.58	-0.42		ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	ICB002	Instrumnet Name :	P7
Client Sample ID :	ICB002	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:07:56	DataFile Name :	014CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.04	0.02	0.02	0.03	37.74	ppb
Lead	207-1	0.03	0.03	0.03	0.03	2.27	ppb
Lead	208-1	0.03	0.02	0.02	0.03	26.18	ppb
Lithium	6-1				98		%
Magnesium	24-2	0.16	0.07	0.02	0.08	85.26	ppb
Manganese	55-2	-0.07	-0.03	-0.04	-0.05		ppb
Molybdenum	94-1	0.04	0.06	0.07	0.06	28.48	ppb
Molybdenum	95-1	0.01	0.01	0.01	0.01	6.05	ppb
Molybdenum	96-1	0.01	0.01	0.02	0.01	36.80	ppb
Molybdenum	97-1	0.00	0.01	0.01	0.01	48.22	ppb
Molybdenum	98-1	0.00	0.01	0.01	0.01	23.36	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.04	-0.04	-0.02	-0.03		ppb
Phosphorus	31-2	-13.59	-16.81	-16.82	-15.74		ppb
Potassium	39-2	1.66	1.75	2.19	1.86	15.27	ppb
Rhodium	103-1				100		%
Rhodium	103-2				103		%
Scandium	45-1				100		%
Scandium	45-2				101		%
Selenium	82-1	0.56	0.07	-0.01	0.21	149.54	ppb
Selenium	77-2	0.00	0.09	0.00	0.03	173.21	ppb
Selenium	78-2	0.47	0.81	0.33	0.54	46.36	ppb
Silicon	28-1	-1.33	-1.08	-1.30	-1.24		ppb
Silver	107-1	0.01	0.01	0.01	0.01	25.63	ppb
Silver	109-1	0.01	0.01	0.01	0.01	20.93	ppb
Sodium	23-2	-3.94	-3.94	-4.47	-4.11		ppb
Strontium	86-1	0.03	-0.07	0.16	0.04	289.78	ppb
Strontium	88-1	0.05	0.06	-0.01	0.03	124.24	ppb
Sulfur	34-1	-178.39	-175.23	-178.85	-177.49		ppb
Terbium	159-1				100		%
Terbium	159-2				102		%
Thallium	203-1	0.02	0.02	0.01	0.02	21.35	ppb
Thallium	205-1	0.02	0.02	0.02	0.02	16.74	ppb
Tin	118-1	-0.02	-0.01	0.00	-0.01		ppb
Titanium	47-1	0.02	0.01	0.00	0.01	63.20	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	ICB002	Instrumnet Name :	P7
Client Sample ID :	ICB002	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:07:56	DataFile Name :	014CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	75.18	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00		ppb
Yttrium	89-1				101		%
Yttrium	89-2				103		%
Zinc	66-2	-0.24	-0.09	-0.27	-0.20		ppb
Zirconium	90-1	0.03	0.03	0.04	0.03	23.37	ppb
Zirconium	91-1	0.03	0.03	0.03	0.03	9.80	ppb

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	ICSA002	Instrumnet Name :	P7
Client Sample ID :	ICSA002	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:11:14	DataFile Name :	015ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	90269.97	89899.98	89378.78	89849.58	0.50	ppb
Antimony	121-1	1.04	1.07	1.11	1.08	3.27	ppb
Arsenic	75-2	0.31	0.33	0.37	0.34	8.17	ppb
Barium	135-1	1.34	1.34	1.42	1.37	3.60	ppb
Barium	137-1	1.33	1.36	1.39	1.36	2.41	ppb
Beryllium	9-1	0.26	0.28	0.28	0.27	3.59	ppb
Bismuth	209-1				101		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	9.08	8.83	8.80	8.90	1.75	ppb
Cadmium	106-1	-1.23	-2.06	-2.14	-1.81		ppb
Cadmium	111-1	0.28	0.21	0.21	0.24	16.27	ppb
Calcium	43-1	94707.93	96656.57	96574.72	95979.74	1.15	ppb
Calcium	44-1	93748.53	96815.86	97326.52	95963.64	2.02	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	19.81	19.54	19.57	19.64	0.76	ppb
Cobalt	59-2	1.23	1.20	1.20	1.21	1.57	ppb
Copper	63-2	7.31	7.21	7.13	7.22	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				105		%
Holmium	165-2				104		%
Indium	115-1				98		%
Indium	115-2				99		%
Iron	56-2	102522.77	102740.95	101707.10	102323.61	0.53	ppb
Iron	57-2	103533.07	103398.31	100232.22	102387.87	1.82	ppb
Iron	54-2	101434.53	101106.06	99829.61	100790.06	0.84	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	ICSA002	Instrumnet Name :	P7
Client Sample ID :	ICSA002	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:11:14	DataFile Name :	015ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	4.57	4.70	4.69	4.65	1.50	ppb
Lead	207-1	4.10	4.23	4.24	4.19	1.82	ppb
Lead	208-1	4.26	4.39	4.38	4.34	1.61	ppb
Lithium	6-1				93		%
Magnesium	24-2	92293.83	92792.81	91025.48	92037.37	0.99	ppb
Manganese	55-2	7.56	7.51	7.43	7.50	0.82	ppb
Molybdenum	94-1	1501.46	1562.67	1562.56	1542.23	2.29	ppb
Molybdenum	95-1	1822.95	1895.10	1906.11	1874.72	2.41	ppb
Molybdenum	96-1	1771.44	1860.35	1844.41	1825.40	2.60	ppb
Molybdenum	97-1	1810.65	1892.83	1894.48	1865.99	2.57	ppb
Molybdenum	98-1	1817.17	1920.70	1916.08	1884.65	3.10	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	5.45	5.24	5.32	5.34	2.07	ppb
Phosphorus	31-2	102778.67	100906.72	100943.05	101542.81	1.05	ppb
Potassium	39-2	95274.53	94079.08	96127.14	95160.25	1.08	ppb
Rhodium	103-1				95		%
Rhodium	103-2				96		%
Scandium	45-1				98		%
Scandium	45-2				97		%
Selenium	82-1	0.24	0.06	-0.02	0.09	146.94	ppb
Selenium	77-2	0.28	0.10	0.09	0.16	69.36	ppb
Selenium	78-2	0.78	1.00	0.63	0.80	23.16	ppb
Silicon	28-1	0.31	-0.21	-0.10	0.00	99782.68	ppb
Silver	107-1	0.03	0.03	0.03	0.03	12.96	ppb
Silver	109-1	0.03	0.03	0.03	0.03	11.69	ppb
Sodium	23-2	100803.42	98947.56	98890.39	99547.12	1.09	ppb
Strontium	86-1	782.08	821.55	823.70	809.11	2.90	ppb
Strontium	88-1	807.30	845.09	867.29	839.89	3.61	ppb
Sulfur	34-1	91226.65	93312.19	91818.86	92119.23	1.17	ppb
Terbium	159-1				105		%
Terbium	159-2				102		%
Thallium	203-1	0.09	0.10	0.10	0.10	6.51	ppb
Thallium	205-1	0.08	0.10	0.10	0.10	10.43	ppb
Tin	118-1	0.09	0.11	0.13	0.11	14.89	ppb
Titanium	47-1	1885.51	1964.38	1961.67	1937.19	2.31	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	ICSA002	Instrumnet Name :	P7
Client Sample ID :	ICSA002	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:11:14	DataFile Name :	015ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.02	0.02	0.02	6.00	ppb
Vanadium	51-2	0.18	0.18	0.20	0.18	5.55	ppb
Yttrium	89-1				101		%
Yttrium	89-2				100		%
Zinc	66-2	9.83	9.48	9.51	9.61	2.00	ppb
Zirconium	90-1	0.01	0.02	0.03	0.02	43.51	ppb
Zirconium	91-1	0.01	0.01	0.03	0.02	64.94	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	ICSAB002	Instrumnet Name :	P7
Client Sample ID :	ICSAB002	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:14:16	DataFile Name :	016ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	85093.79	87183.89	89668.70	87315.46	2.62	ppb
Antimony	121-1	19.82	20.33	19.89	20.01	1.39	ppb
Arsenic	75-2	19.03	19.55	19.58	19.39	1.58	ppb
Barium	135-1	20.20	20.52	20.11	20.28	1.07	ppb
Barium	137-1	20.22	20.80	20.44	20.49	1.44	ppb
Beryllium	9-1	19.42	20.13	18.94	19.49	3.07	ppb
Bismuth	209-1				103		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	24.68	25.70	25.61	25.33	2.23	ppb
Cadmium	106-1	14.28	15.80	15.06	15.05	5.05	ppb
Cadmium	111-1	18.81	19.37	18.77	18.98	1.78	ppb
Calcium	43-1	97313.80	97908.73	96378.15	97200.23	0.79	ppb
Calcium	44-1	96689.74	97985.96	96897.62	97191.11	0.72	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	36.72	38.15	38.25	37.70	2.27	ppb
Cobalt	59-2	19.60	20.28	20.38	20.09	2.10	ppb
Copper	63-2	24.23	25.29	24.95	24.82	2.19	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				106		%
Indium	115-1				101		%
Indium	115-2				101		%
Iron	56-2	97197.74	99270.65	98224.13	98230.84	1.06	ppb
Iron	57-2	95175.19	99724.82	98923.52	97941.18	2.48	ppb
Iron	54-2	94664.69	98202.26	99455.23	97440.73	2.55	ppb
Krypton	83-1						cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	ICSAB002	Instrumnet Name :	P7
Client Sample ID :	ICSAB002	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:14:16	DataFile Name :	016ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	24.96	25.70	25.12	25.26	1.53	ppb
Lead	207-1	23.82	24.36	23.86	24.01	1.25	ppb
Lead	208-1	24.12	24.76	24.25	24.37	1.38	ppb
Lithium	6-1				88		%
Magnesium	24-2	86457.35	89149.35	91504.15	89036.95	2.84	ppb
Manganese	55-2	24.76	25.73	25.46	25.32	1.97	ppb
Molybdenum	94-1	1543.49	1557.03	1553.35	1551.29	0.45	ppb
Molybdenum	95-1	1896.35	1899.49	1882.46	1892.77	0.48	ppb
Molybdenum	96-1	1858.86	1884.76	1836.59	1860.07	1.30	ppb
Molybdenum	97-1	1891.41	1901.95	1876.08	1889.81	0.69	ppb
Molybdenum	98-1	1904.99	1914.66	1887.40	1902.35	0.73	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	23.35	23.68	23.84	23.62	1.07	ppb
Phosphorus	31-2	96606.10	97991.74	100951.17	98516.33	2.25	ppb
Potassium	39-2	89896.12	93062.09	93487.51	92148.57	2.13	ppb
Rhodium	103-1				98		%
Rhodium	103-2				98		%
Scandium	45-1				99		%
Scandium	45-2				101		%
Selenium	82-1	19.58	19.09	18.91	19.19	1.79	ppb
Selenium	77-2	16.32	17.01	17.58	16.97	3.74	ppb
Selenium	78-2	20.51	19.85	19.28	19.88	3.11	ppb
Silicon	28-1	0.28	0.88	0.26	0.47	74.56	ppb
Silver	107-1	18.14	18.50	18.36	18.33	1.00	ppb
Silver	109-1	18.16	18.47	18.16	18.26	0.97	ppb
Sodium	23-2	93792.76	96467.40	97112.87	95791.01	1.84	ppb
Strontium	86-1	817.18	838.09	818.67	824.65	1.41	ppb
Strontium	88-1	844.43	855.42	828.24	842.70	1.62	ppb
Sulfur	34-1	92546.93	93051.29	91038.44	92212.22	1.14	ppb
Terbium	159-1				107		%
Terbium	159-2				105		%
Thallium	203-1	20.37	20.87	20.89	20.71	1.42	ppb
Thallium	205-1	20.42	20.94	20.82	20.73	1.32	ppb
Tin	118-1	0.08	0.07	0.07	0.07	10.68	ppb
Titanium	47-1	1944.45	1990.33	1954.81	1963.20	1.23	ppb

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	ICSAB002	Instrumnet Name :	P7
Client Sample ID :	ICSAB002	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:14:16	DataFile Name :	016ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.02	0.02	0.02	6.48	ppb
Vanadium	51-2	18.38	18.62	18.78	18.60	1.09	ppb
Yttrium	89-1				103		%
Yttrium	89-2				104		%
Zinc	66-2	26.58	27.13	27.85	27.19	2.33	ppb
Zirconium	90-1	0.01	0.01	0.01	0.01	28.61	ppb
Zirconium	91-1	0.01	0.03	0.02	0.02	54.55	ppb

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	CCV004	Instrumnet Name :	P7
Client Sample ID :	CCV004	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:17:18	DataFile Name :	017CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	50239.04	49578.06	49963.89	49927.00	0.67	ppb
Antimony	121-1	498.29	512.55	515.48	508.77	1.81	ppb
Arsenic	75-2	523.71	529.41	527.12	526.75	0.54	ppb
Barium	135-1	2511.72	2544.20	2561.92	2539.28	1.00	ppb
Barium	137-1	2491.41	2547.46	2537.28	2525.38	1.18	ppb
Beryllium	9-1	514.62	545.73	538.94	533.10	3.07	ppb
Bismuth	209-1				103		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	493.81	517.24	513.46	508.17	2.48	ppb
Cadmium	106-1	499.51	512.48	513.10	508.36	1.51	ppb
Cadmium	111-1	505.02	524.89	517.95	515.95	1.95	ppb
Calcium	43-1	246304.78	250812.39	253541.71	250219.63	1.46	ppb
Calcium	44-1	246735.43	250135.59	253225.92	250032.31	1.30	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	510.01	504.35	514.58	509.65	1.01	ppb
Cobalt	59-2	526.92	512.58	522.19	520.56	1.40	ppb
Copper	63-2	5168.95	5093.32	5160.95	5141.07	0.81	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				112		%
Holmium	165-2				106		%
Indium	115-1				101		%
Indium	115-2				99		%
Iron	56-2	128592.77	125244.16	127374.07	127070.33	1.33	ppb
Iron	57-2	129745.35	125183.91	127677.15	127535.47	1.79	ppb
Iron	54-2	126543.29	124990.57	126232.03	125921.96	0.65	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	CCV004	Instrumnet Name :	P7
Client Sample ID :	CCV004	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:17:18	DataFile Name :	017CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2565.30	2612.06	2629.94	2602.43	1.28	ppb
Lead	207-1	2558.31	2609.90	2620.48	2596.23	1.28	ppb
Lead	208-1	2557.82	2613.08	2623.47	2598.12	1.36	ppb
Lithium	6-1				89		%
Magnesium	24-2	249664.20	243947.49	247463.35	247025.01	1.17	ppb
Manganese	55-2	5126.19	4981.51	5127.23	5078.31	1.65	ppb
Molybdenum	94-1	4962.88	5090.47	5102.87	5052.08	1.53	ppb
Molybdenum	95-1	5015.27	5129.61	5107.33	5084.07	1.19	ppb
Molybdenum	96-1	5001.19	5101.55	5134.64	5079.13	1.37	ppb
Molybdenum	97-1	4995.98	5086.18	5142.44	5074.86	1.46	ppb
Molybdenum	98-1	5012.86	5140.24	5142.63	5098.57	1.46	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	517.00	512.07	517.38	515.48	0.57	ppb
Phosphorus	31-2	10172.03	9940.10	10142.59	10084.91	1.25	ppb
Potassium	39-2	124847.59	122545.06	124495.77	123962.81	1.00	ppb
Rhodium	103-1				97		%
Rhodium	103-2				96		%
Scandium	45-1				101		%
Scandium	45-2				100		%
Selenium	82-1	501.17	506.23	515.03	507.48	1.38	ppb
Selenium	77-2	518.48	516.82	497.10	510.80	2.33	ppb
Selenium	78-2	509.93	521.60	515.33	515.62	1.13	ppb
Silicon	28-1	383.33	386.65	396.16	388.71	1.71	ppb
Silver	107-1	499.94	508.97	515.99	508.30	1.58	ppb
Silver	109-1	500.29	510.28	514.56	508.38	1.44	ppb
Sodium	23-2	258452.91	253605.57	257277.78	256445.42	0.99	ppb
Strontium	86-1	12553.82	12740.39	12967.64	12753.95	1.62	ppb
Strontium	88-1	12642.58	12877.21	12773.13	12764.31	0.92	ppb
Sulfur	34-1	9504.64	9429.09	9670.09	9534.60	1.29	ppb
Terbium	159-1				110		%
Terbium	159-2				104		%
Thallium	203-1	512.08	512.02	516.91	513.67	0.55	ppb
Thallium	205-1	513.30	523.85	523.04	520.06	1.13	ppb
Tin	118-1	484.79	506.29	510.25	500.45	2.74	ppb
Titanium	47-1	4950.79	5085.61	5103.95	5046.78	1.66	ppb

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	CCV004	Instrumnet Name :	P7
Client Sample ID :	CCV004	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:17:18	DataFile Name :	017CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	517.22	525.44	529.35	524.00	1.18	ppb
Vanadium	51-2	523.08	517.03	523.39	521.16	0.69	ppb
Yttrium	89-1				106		%
Yttrium	89-2				103		%
Zinc	66-2	5225.21	5127.20	5202.94	5185.12	0.99	ppb
Zirconium	90-1	500.64	514.78	519.20	511.54	1.90	ppb
Zirconium	91-1	502.44	507.17	521.24	510.28	1.92	ppb

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	CCB004	Instrumnet Name :	P7
Client Sample ID :	CCB004	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:19:57	DataFile Name :	018CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.59	0.72	0.38	0.56	29.93	ppb
Antimony	121-1	0.24	0.24	0.30	0.26	13.86	ppb
Arsenic	75-2	0.02	0.00	0.01	0.01	106.97	ppb
Barium	135-1	0.43	0.18	0.09	0.23	76.72	ppb
Barium	137-1	0.45	0.20	0.07	0.24	79.99	ppb
Beryllium	9-1	0.12	0.09	0.05	0.09	40.14	ppb
Bismuth	209-1				108		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.12	0.11	0.05	0.09	44.74	ppb
Cadmium	106-1	-1.44	-1.80	-1.62	-1.62		ppb
Cadmium	111-1	0.01	-0.08	-0.09	-0.05		ppb
Calcium	43-1	46.53	17.95	11.21	25.23	74.32	ppb
Calcium	44-1	44.85	20.73	8.28	24.62	75.51	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.03	-0.02	0.00	-0.02		ppb
Cobalt	59-2	0.00	0.00	0.00	0.00		ppb
Copper	63-2	0.15	0.13	0.12	0.13	9.80	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				106		%
Holmium	165-2				106		%
Indium	115-1				102		%
Indium	115-2				104		%
Iron	56-2	2.23	1.93	1.68	1.94	14.16	ppb
Iron	57-2	1.87	1.94	0.94	1.58	35.26	ppb
Iron	54-2	1.76	2.19	1.66	1.87	14.98	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	CCB004	Instrumnet Name :	P7
Client Sample ID :	CCB004	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:19:57	DataFile Name :	018CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.47	0.22	0.12	0.27	66.76	ppb
Lead	207-1	0.46	0.25	0.12	0.27	63.91	ppb
Lead	208-1	0.46	0.23	0.12	0.27	64.66	ppb
Lithium	6-1				96		%
Magnesium	24-2	3.24	2.97	2.16	2.79	20.19	ppb
Manganese	55-2	0.02	0.07	0.01	0.03	111.86	ppb
Molybdenum	94-1	1.16	0.71	0.52	0.80	41.59	ppb
Molybdenum	95-1	1.00	0.53	0.31	0.61	57.07	ppb
Molybdenum	96-1	1.01	0.55	0.33	0.63	55.13	ppb
Molybdenum	97-1	1.02	0.54	0.30	0.62	58.98	ppb
Molybdenum	98-1	1.00	0.52	0.33	0.62	56.16	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.01	-0.01	0.00	0.00		ppb
Phosphorus	31-2	-16.08	-20.13	-17.58	-17.93		ppb
Potassium	39-2	19.37	21.12	18.36	19.62	7.11	ppb
Rhodium	103-1				100		%
Rhodium	103-2				105		%
Scandium	45-1				98		%
Scandium	45-2				99		%
Selenium	82-1	0.23	0.15	-0.11	0.09	194.48	ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	0.31	0.13	0.17	0.21	46.13	ppb
Silicon	28-1	-1.69	-2.62	-2.37	-2.23		ppb
Silver	107-1	0.12	0.06	0.04	0.07	60.01	ppb
Silver	109-1	0.11	0.06	0.03	0.07	62.13	ppb
Sodium	23-2	13.38	13.95	13.45	13.59	2.29	ppb
Strontium	86-1	2.08	1.22	0.58	1.30	58.07	ppb
Strontium	88-1	2.12	0.93	0.35	1.13	79.81	ppb
Sulfur	34-1	-676.90	-726.42	-698.97	-700.76		ppb
Terbium	159-1				104		%
Terbium	159-2				104		%
Thallium	203-1	0.15	0.10	0.07	0.11	39.81	ppb
Thallium	205-1	0.14	0.09	0.07	0.10	34.13	ppb
Tin	118-1	0.10	0.05	0.04	0.06	49.40	ppb
Titanium	47-1	0.85	0.46	0.21	0.51	63.14	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	CCB004	Instrumnet Name :	P7
Client Sample ID :	CCB004	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:19:57	DataFile Name :	018CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.08	0.04	0.02	0.05	70.75	ppb
Vanadium	51-2	0.01	0.01	0.01	0.01	22.75	ppb
Yttrium	89-1				101		%
Yttrium	89-2				104		%
Zinc	66-2	0.06	0.37	-0.11	0.11	229.69	ppb
Zirconium	90-1	0.18	0.14	0.13	0.15	15.98	ppb
Zirconium	91-1	0.19	0.14	0.13	0.15	23.09	ppb

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On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	PB165018BL	Instrumnet Name :	P7
Client Sample ID :	PBW018	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:23:13	DataFile Name :	019CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.06	-0.14	-0.01	-0.07		ppb
Antimony	121-1	0.03	0.05	0.06	0.05	32.42	ppb
Arsenic	75-2	0.01	0.00	0.00	0.00	294.32	ppb
Barium	135-1	0.00	0.01	0.00	0.01	118.25	ppb
Barium	137-1	0.00	-0.01	0.00	0.00		ppb
Beryllium	9-1	0.01	0.03	0.04	0.03	40.47	ppb
Bismuth	209-1				110		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.08	0.04	-0.02	0.04	145.74	ppb
Cadmium	106-1	-0.80	-1.39	-1.61	-1.27		ppb
Cadmium	111-1	-0.05	-0.09	-0.10	-0.08		ppb
Calcium	43-1	-8.53	-6.12	-4.86	-6.50		ppb
Calcium	44-1	-7.78	-5.06	-2.05	-4.97		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.02	-0.04	-0.02	-0.03		ppb
Cobalt	59-2	-0.01	-0.01	-0.01	-0.01		ppb
Copper	63-2	0.03	0.02	0.06	0.04	45.33	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				109		%
Holmium	165-2				107		%
Indium	115-1				105		%
Indium	115-2				105		%
Iron	56-2	0.29	-0.08	-0.02	0.06	319.13	ppb
Iron	57-2	-0.24	-0.62	-1.29	-0.72		ppb
Iron	54-2	0.18	-0.21	-0.33	-0.12		ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	PB165018BL	Instrumnet Name :	P7
Client Sample ID :	PBW018	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:23:13	DataFile Name :	019CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.04	0.02	0.03	0.03	31.43	ppb
Lead	207-1	0.03	0.03	0.01	0.02	38.38	ppb
Lead	208-1	0.03	0.03	0.02	0.03	9.96	ppb
Lithium	6-1				98		%
Magnesium	24-2	0.23	0.15	0.09	0.16	43.62	ppb
Manganese	55-2	-0.03	-0.14	0.00	-0.05		ppb
Molybdenum	94-1	0.04	0.06	0.07	0.06	31.86	ppb
Molybdenum	95-1	0.02	0.03	0.03	0.03	24.25	ppb
Molybdenum	96-1	0.03	0.03	0.04	0.03	17.55	ppb
Molybdenum	97-1	0.03	0.03	0.03	0.03	4.45	ppb
Molybdenum	98-1	0.02	0.03	0.03	0.03	18.57	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.03	-0.01	-0.03	-0.03		ppb
Phosphorus	31-2	-18.98	-19.47	-21.06	-19.83		ppb
Potassium	39-2	11.87	9.92	10.36	10.72	9.49	ppb
Rhodium	103-1				105		%
Rhodium	103-2				106		%
Scandium	45-1				101		%
Scandium	45-2				101		%
Selenium	82-1	0.29	-0.07	-0.16	0.02	1119.10	ppb
Selenium	77-2	0.00	0.36	0.09	0.15	124.93	ppb
Selenium	78-2	0.78	0.13	0.49	0.47	69.69	ppb
Silicon	28-1	-3.88	-3.20	-2.94	-3.34		ppb
Silver	107-1	0.01	0.01	0.01	0.01	17.69	ppb
Silver	109-1	0.01	0.01	0.01	0.01	13.02	ppb
Sodium	23-2	5.61	3.83	4.81	4.75	18.75	ppb
Strontium	86-1	0.08	-0.33	0.00	-0.08		ppb
Strontium	88-1	-0.18	-0.15	0.00	-0.11		ppb
Sulfur	34-1	-717.19	-680.21	-633.97	-677.12		ppb
Terbium	159-1				107		%
Terbium	159-2				105		%
Thallium	203-1	0.04	0.04	0.04	0.04	5.40	ppb
Thallium	205-1	0.04	0.04	0.04	0.04	4.04	ppb
Tin	118-1	-0.02	0.00	0.01	0.00		ppb
Titanium	47-1	0.01	0.03	0.01	0.02	64.78	ppb

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	PB165018BL	Instrumnet Name :	P7
Client Sample ID :	PBW018	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:23:13	DataFile Name :	019CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	56.21	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	68.81	ppb
Yttrium	89-1				105		%
Yttrium	89-2				104		%
Zinc	66-2	0.14	-0.19	-0.15	-0.07		ppb
Zirconium	90-1	0.01	0.02	0.03	0.02	38.21	ppb
Zirconium	91-1	0.01	0.02	0.04	0.02	59.27	ppb

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	PB165018BS	Instrumnet Name :	P7
Client Sample ID :	LCS018	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:26:27	DataFile Name :	020LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	40.74	39.58	39.53	39.95	1.72	ppb
Antimony	121-1	4.21	4.46	4.51	4.39	3.64	ppb
Arsenic	75-2	2.15	2.39	2.20	2.25	5.56	ppb
Barium	135-1	20.51	21.80	21.63	21.32	3.29	ppb
Barium	137-1	20.96	22.02	21.96	21.65	2.77	ppb
Beryllium	9-1	2.07	2.19	2.23	2.16	4.00	ppb
Bismuth	209-1				106		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.79	2.16	2.46	2.14	15.62	ppb
Cadmium	106-1	1.11	1.15	0.48	0.91	41.46	ppb
Cadmium	111-1	2.09	2.23	2.08	2.13	3.88	ppb
Calcium	43-1	1019.29	1090.20	1076.36	1061.95	3.54	ppb
Calcium	44-1	1009.43	1076.78	1057.31	1047.84	3.31	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4.48	4.39	4.25	4.37	2.62	ppb
Cobalt	59-2	2.26	2.31	2.17	2.25	3.10	ppb
Copper	63-2	4.72	4.57	4.55	4.61	2.06	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				107		%
Indium	115-1				103		%
Indium	115-2				106		%
Iron	56-2	462.04	456.74	453.18	457.32	0.97	ppb
Iron	57-2	469.68	457.96	452.09	459.91	1.95	ppb
Iron	54-2	462.77	464.31	450.69	459.26	1.62	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	PB165018BS	Instrumnet Name :	P7
Client Sample ID :	LCS018	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:26:27	DataFile Name :	020LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2.10	2.26	2.25	2.20	4.16	ppb
Lead	207-1	2.11	2.30	2.24	2.22	4.30	ppb
Lead	208-1	2.12	2.26	2.24	2.20	3.51	ppb
Lithium	6-1				95		%
Magnesium	24-2	1017.31	1013.23	978.13	1002.89	2.15	ppb
Manganese	55-2	2.14	2.21	2.17	2.17	1.49	ppb
Molybdenum	94-1	12.21	12.59	12.54	12.45	1.65	ppb
Molybdenum	95-1	10.04	10.71	10.51	10.42	3.27	ppb
Molybdenum	96-1	10.31	10.85	10.69	10.62	2.63	ppb
Molybdenum	97-1	10.21	10.66	10.53	10.46	2.21	ppb
Molybdenum	98-1	10.27	10.86	10.59	10.57	2.78	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.21	2.30	2.25	2.25	1.92	ppb
Phosphorus	31-2	-18.38	-18.89	-17.70	-18.32		ppb
Potassium	39-2	1076.27	1075.92	1051.94	1068.04	1.31	ppb
Rhodium	103-1				103		%
Rhodium	103-2				106		%
Scandium	45-1				100		%
Scandium	45-2				101		%
Selenium	82-1	10.32	11.44	10.91	10.89	5.16	ppb
Selenium	77-2	12.27	10.35	10.86	11.16	8.91	ppb
Selenium	78-2	10.79	11.40	11.18	11.12	2.79	ppb
Silicon	28-1	1.33	2.63	2.12	2.03	32.23	ppb
Silver	107-1	2.18	2.29	2.29	2.25	2.91	ppb
Silver	109-1	2.17	2.27	2.30	2.25	3.17	ppb
Sodium	23-2	1103.63	1083.42	1089.90	1092.31	0.94	ppb
Strontium	86-1	51.57	53.54	54.13	53.08	2.53	ppb
Strontium	88-1	52.40	54.66	54.03	53.69	2.17	ppb
Sulfur	34-1	-513.30	-402.09	-455.46	-456.95		ppb
Terbium	159-1				104		%
Terbium	159-2				106		%
Thallium	203-1	2.08	2.14	2.15	2.12	1.94	ppb
Thallium	205-1	2.06	2.16	2.16	2.12	2.82	ppb
Tin	118-1	0.00	0.03	0.04	0.02	103.40	ppb
Titanium	47-1	10.29	10.89	10.62	10.60	2.85	ppb

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	PB165018BS	Instrumnet Name :	P7
Client Sample ID :	LCS018	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:26:27	DataFile Name :	020LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.91	2.02	2.06	2.00	3.78	ppb
Vanadium	51-2	10.89	10.75	10.45	10.70	2.12	ppb
Yttrium	89-1				103		%
Yttrium	89-2				105		%
Zinc	66-2	12.40	12.09	11.39	11.96	4.33	ppb
Zirconium	90-1	2.09	2.24	2.18	2.17	3.55	ppb
Zirconium	91-1	2.11	2.25	2.13	2.16	3.47	ppb

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	PB165103BL	Instrumnet Name :	P7
Client Sample ID :	PBW103	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:29:41	DataFile Name :	021CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.09	-0.15	-0.07	-0.11		ppb
Antimony	121-1	0.01	0.02	0.02	0.02	21.62	ppb
Arsenic	75-2	0.00	0.00	-0.01	0.00		ppb
Barium	135-1	0.00	0.00	0.01	0.01	106.08	ppb
Barium	137-1	0.00	0.00	0.00	0.00	293.59	ppb
Beryllium	9-1	0.01	0.01	0.01	0.01	31.77	ppb
Bismuth	209-1				109		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.02	0.04	0.02	0.03	27.88	ppb
Cadmium	106-1	-0.71	-1.51	-1.01	-1.08		ppb
Cadmium	111-1	-0.04	-0.10	-0.07	-0.07		ppb
Calcium	43-1	-4.82	0.54	-3.52	-2.60		ppb
Calcium	44-1	-2.24	-3.96	-5.43	-3.88		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.02	-0.03	-0.02	-0.01		ppb
Cobalt	59-2	0.00	-0.01	0.00	0.00		ppb
Copper	63-2	0.03	0.04	0.03	0.03	17.48	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				107		%
Indium	115-1				106		%
Indium	115-2				107		%
Iron	56-2	-0.01	0.09	0.01	0.03	207.54	ppb
Iron	57-2	-0.30	0.08	-0.50	-0.24		ppb
Iron	54-2	0.25	0.40	0.01	0.22	89.08	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	PB165103BL	Instrumnet Name :	P7
Client Sample ID :	PBW103	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:29:41	DataFile Name :	021CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.02	0.03	0.02	0.02	29.43	ppb
Lead	207-1	0.02	0.01	0.03	0.02	37.85	ppb
Lead	208-1	0.01	0.02	0.02	0.02	16.06	ppb
Lithium	6-1				97		%
Magnesium	24-2	0.28	0.38	0.42	0.36	20.64	ppb
Manganese	55-2	-0.03	-0.04	-0.11	-0.06		ppb
Molybdenum	94-1	0.02	0.03	0.10	0.05	85.55	ppb
Molybdenum	95-1	0.01	0.01	0.06	0.03	99.71	ppb
Molybdenum	96-1	0.00	0.01	0.09	0.03	136.07	ppb
Molybdenum	97-1	0.02	0.01	0.07	0.03	108.47	ppb
Molybdenum	98-1	0.01	0.01	0.05	0.03	90.32	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.02	0.00	-0.04	-0.02		ppb
Phosphorus	31-2	-19.69	-16.38	-19.53	-18.53		ppb
Potassium	39-2	5.97	6.93	3.95	5.62	27.03	ppb
Rhodium	103-1				105		%
Rhodium	103-2				107		%
Scandium	45-1				102		%
Scandium	45-2				103		%
Selenium	82-1	0.32	0.25	0.14	0.23	37.89	ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	0.02	0.19	-0.07	0.05	279.90	ppb
Silicon	28-1	-2.98	-2.60	-2.88	-2.82		ppb
Silver	107-1	0.01	0.01	0.01	0.01	14.07	ppb
Silver	109-1	0.01	0.01	0.01	0.01	8.02	ppb
Sodium	23-2	-0.17	1.00	-0.99	-0.05		ppb
Strontium	86-1	-0.24	-0.17	0.30	-0.04		ppb
Strontium	88-1	-0.04	0.01	0.23	0.07	221.97	ppb
Sulfur	34-1	-451.24	-508.51	-542.27	-500.68		ppb
Terbium	159-1				107		%
Terbium	159-2				107		%
Thallium	203-1	0.03	0.02	0.03	0.02	16.11	ppb
Thallium	205-1	0.03	0.02	0.02	0.02	3.68	ppb
Tin	118-1	-0.02	-0.02	-0.01	-0.02		ppb
Titanium	47-1	0.01	0.01	0.01	0.01	24.71	ppb

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	PB165103BL	Instrumnet Name :	P7
Client Sample ID :	PBW103	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:29:41	DataFile Name :	021CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	29.88	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00		ppb
Yttrium	89-1				106		%
Yttrium	89-2				107		%
Zinc	66-2	0.07	0.20	-0.46	-0.06		ppb
Zirconium	90-1	0.00	0.01	0.02	0.01	119.51	ppb
Zirconium	91-1	0.00	0.01	0.02	0.01	123.09	ppb

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	PB165103BS	Instrumnet Name :	P7
Client Sample ID :	LCS103	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:32:55	DataFile Name :	022CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	40.55	38.69	39.45	39.56	2.37	ppb
Antimony	121-1	4.24	4.29	4.33	4.29	1.03	ppb
Arsenic	75-2	2.18	2.20	2.18	2.18	0.63	ppb
Barium	135-1	20.88	20.81	21.48	21.06	1.74	ppb
Barium	137-1	21.06	21.34	21.13	21.18	0.68	ppb
Beryllium	9-1	2.09	2.14	2.04	2.09	2.32	ppb
Bismuth	209-1				108		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.22	2.20	2.12	2.18	2.53	ppb
Cadmium	106-1	1.20	1.10	1.40	1.23	12.50	ppb
Cadmium	111-1	2.13	2.11	2.16	2.13	1.22	ppb
Calcium	43-1	1026.33	1010.13	1027.99	1021.48	0.97	ppb
Calcium	44-1	1034.21	1013.09	1018.09	1021.79	1.08	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4.36	4.47	4.32	4.38	1.81	ppb
Cobalt	59-2	2.23	2.27	2.21	2.24	1.32	ppb
Copper	63-2	4.64	4.59	4.55	4.59	0.97	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				109		%
Holmium	165-2				107		%
Indium	115-1				105		%
Indium	115-2				107		%
Iron	56-2	462.54	457.58	450.80	456.97	1.29	ppb
Iron	57-2	458.46	459.70	452.77	456.98	0.81	ppb
Iron	54-2	460.67	454.19	458.43	457.76	0.72	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	PB165103BS	Instrumnet Name :	P7
Client Sample ID :	LCS103	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:32:55	DataFile Name :	022CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2.09	2.16	2.18	2.14	2.25	ppb
Lead	207-1	2.08	2.10	2.15	2.11	1.68	ppb
Lead	208-1	2.09	2.13	2.13	2.12	1.25	ppb
Lithium	6-1				97		%
Magnesium	24-2	1007.69	999.10	990.31	999.03	0.87	ppb
Manganese	55-2	2.23	2.16	2.14	2.18	2.07	ppb
Molybdenum	94-1	12.18	12.12	12.43	12.24	1.34	ppb
Molybdenum	95-1	10.21	10.08	10.26	10.18	0.90	ppb
Molybdenum	96-1	10.34	10.20	10.39	10.31	0.95	ppb
Molybdenum	97-1	10.30	10.13	10.29	10.24	0.91	ppb
Molybdenum	98-1	10.28	10.10	10.38	10.26	1.38	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.27	2.37	2.27	2.30	2.53	ppb
Phosphorus	31-2	-18.21	-18.11	-16.50	-17.61		ppb
Potassium	39-2	1092.66	1059.28	1044.13	1065.36	2.33	ppb
Rhodium	103-1				106		%
Rhodium	103-2				106		%
Scandium	45-1				104		%
Scandium	45-2				102		%
Selenium	82-1	11.06	10.35	10.55	10.66	3.45	ppb
Selenium	77-2	10.78	9.34	9.85	9.99	7.31	ppb
Selenium	78-2	11.22	10.82	11.59	11.21	3.45	ppb
Silicon	28-1	1.58	1.33	1.30	1.40	10.69	ppb
Silver	107-1	2.18	2.25	2.24	2.22	1.75	ppb
Silver	109-1	2.18	2.21	2.25	2.21	1.42	ppb
Sodium	23-2	1075.65	1106.16	1071.89	1084.57	1.73	ppb
Strontium	86-1	52.85	52.35	52.80	52.66	0.52	ppb
Strontium	88-1	52.64	51.47	52.80	52.30	1.39	ppb
Sulfur	34-1	-364.75	-445.64	-443.13	-417.84		ppb
Terbium	159-1				107		%
Terbium	159-2				106		%
Thallium	203-1	2.04	2.04	2.09	2.06	1.29	ppb
Thallium	205-1	2.03	2.06	2.11	2.06	2.00	ppb
Tin	118-1	0.01	0.03	0.02	0.02	55.50	ppb
Titanium	47-1	10.25	10.08	10.15	10.16	0.81	ppb

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	PB165103BS	Instrumnet Name :	P7
Client Sample ID :	LCS103	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:32:55	DataFile Name :	022CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.92	1.95	1.96	1.94	0.98	ppb
Vanadium	51-2	10.79	10.56	10.51	10.62	1.40	ppb
Yttrium	89-1				106		%
Yttrium	89-2				106		%
Zinc	66-2	11.18	11.33	11.18	11.23	0.74	ppb
Zirconium	90-1	2.10	2.07	2.14	2.11	1.67	ppb
Zirconium	91-1	2.08	2.07	2.18	2.11	2.75	ppb

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	PB165104BL	Instrumnet Name :	P7
Client Sample ID :	PBW104	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:36:08	DataFile Name :	023SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.19	-0.25	-0.20	-0.22		ppb
Antimony	121-1	0.01	0.01	0.01	0.01	23.97	ppb
Arsenic	75-2	0.00	0.00	0.00	0.00	117.57	ppb
Barium	135-1	0.00	0.00	0.01	0.00	114.88	ppb
Barium	137-1	0.00	0.00	0.00	0.00		ppb
Beryllium	9-1	0.02	0.02	0.02	0.02	2.56	ppb
Bismuth	209-1				106		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.01	-0.01	-0.03	-0.01		ppb
Cadmium	106-1	-0.76	-1.09	-0.88	-0.91		ppb
Cadmium	111-1	-0.05	-0.07	-0.06	-0.06		ppb
Calcium	43-1	-10.04	6.30	-3.64	-2.46		ppb
Calcium	44-1	-8.44	5.06	-4.36	-2.58		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.00	-0.03	0.00	-0.01		ppb
Cobalt	59-2	-0.01	0.00	0.00	0.00		ppb
Copper	63-2	0.04	0.03	0.03	0.03	24.36	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				106		%
Indium	115-1				105		%
Indium	115-2				106		%
Iron	56-2	0.14	0.04	0.05	0.08	72.11	ppb
Iron	57-2	-0.39	-0.10	0.26	-0.08		ppb
Iron	54-2	0.42	0.13	-0.23	0.10	313.27	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	PB165104BL	Instrumnet Name :	P7
Client Sample ID :	PBW104	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:36:08	DataFile Name :	023SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.00	0.02	0.01	0.01	111.54	ppb
Lead	207-1	0.01	0.03	0.02	0.02	55.87	ppb
Lead	208-1	0.01	0.02	0.01	0.01	47.35	ppb
Lithium	6-1				97		%
Magnesium	24-2	0.12	0.18	0.03	0.11	70.38	ppb
Manganese	55-2	0.06	-0.01	-0.04	0.00	1926.95	ppb
Molybdenum	94-1	-0.01	0.01	0.01	0.00	201.11	ppb
Molybdenum	95-1	0.01	0.01	0.00	0.01	19.31	ppb
Molybdenum	96-1	0.01	0.00	0.00	0.00	31.81	ppb
Molybdenum	97-1	0.01	0.00	0.00	0.01	78.99	ppb
Molybdenum	98-1	0.01	0.00	0.00	0.00	39.63	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.03	-0.02	-0.05	-0.03		ppb
Phosphorus	31-2	-16.86	-17.66	-19.31	-17.95		ppb
Potassium	39-2	5.44	3.25	3.47	4.05	29.81	ppb
Rhodium	103-1				106		%
Rhodium	103-2				106		%
Scandium	45-1				102		%
Scandium	45-2				103		%
Selenium	82-1	-0.04	-0.22	-0.23	-0.16		ppb
Selenium	77-2	0.09	0.09	0.00	0.06	86.60	ppb
Selenium	78-2	0.68	0.57	-0.06	0.40	101.52	ppb
Silicon	28-1	-2.53	-0.67	-2.51	-1.90		ppb
Silver	107-1	0.01	0.01	0.01	0.01	26.55	ppb
Silver	109-1	0.01	0.01	0.01	0.01	22.30	ppb
Sodium	23-2	-1.75	-1.99	0.33	-1.14		ppb
Strontium	86-1	-0.20	0.26	-0.08	-0.01		ppb
Strontium	88-1	-0.01	0.10	0.01	0.03	192.70	ppb
Sulfur	34-1	-446.23	-243.80	-431.25	-373.76		ppb
Terbium	159-1				106		%
Terbium	159-2				105		%
Thallium	203-1	0.01	0.02	0.01	0.02	31.93	ppb
Thallium	205-1	0.02	0.02	0.02	0.02	13.98	ppb
Tin	118-1	-0.03	0.00	-0.02	-0.01		ppb
Titanium	47-1	0.03	0.01	0.01	0.02	60.79	ppb

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	PB165104BL	Instrumnet Name :	P7
Client Sample ID :	PBW104	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:36:08	DataFile Name :	023SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	29.78	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	80.97	ppb
Yttrium	89-1				105		%
Yttrium	89-2				105		%
Zinc	66-2	-0.10	-0.25	-0.14	-0.16		ppb
Zirconium	90-1	0.00	0.00	0.01	0.00	138.49	ppb
Zirconium	91-1	-0.01	0.01	0.01	0.00	260.38	ppb

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	PB165104BS	Instrumnet Name :	P7
Client Sample ID :	LCS104	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:39:22	DataFile Name :	024SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	38.09	39.81	39.79	39.23	2.52	ppb
Antimony	121-1	4.28	4.28	4.31	4.29	0.40	ppb
Arsenic	75-2	2.26	2.25	2.22	2.24	0.78	ppb
Barium	135-1	20.75	21.03	21.04	20.94	0.80	ppb
Barium	137-1	20.96	21.18	21.13	21.09	0.55	ppb
Beryllium	9-1	2.06	1.96	2.04	2.02	2.55	ppb
Bismuth	209-1				107		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.35	2.29	2.27	2.30	1.91	ppb
Cadmium	106-1	2.18	1.32	0.96	1.49	42.05	ppb
Cadmium	111-1	2.16	2.20	2.10	2.15	2.36	ppb
Calcium	43-1	1036.83	1035.93	1031.67	1034.81	0.27	ppb
Calcium	44-1	997.93	1018.79	1011.99	1009.57	1.05	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4.34	4.39	4.49	4.41	1.68	ppb
Cobalt	59-2	2.25	2.28	2.26	2.26	0.68	ppb
Copper	63-2	4.57	4.64	4.67	4.63	1.10	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				105		%
Indium	115-1				106		%
Indium	115-2				106		%
Iron	56-2	450.37	459.95	453.89	454.74	1.07	ppb
Iron	57-2	450.10	461.56	458.29	456.65	1.29	ppb
Iron	54-2	451.19	459.93	456.40	455.84	0.96	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	PB165104BS	Instrumnet Name :	P7
Client Sample ID :	LCS104	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:39:22	DataFile Name :	024SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2.10	2.13	2.13	2.12	0.78	ppb
Lead	207-1	2.14	2.13	2.11	2.12	0.73	ppb
Lead	208-1	2.10	2.13	2.11	2.11	0.64	ppb
Lithium	6-1				95		%
Magnesium	24-2	977.16	991.01	1005.80	991.32	1.44	ppb
Manganese	55-2	2.12	2.14	2.18	2.15	1.39	ppb
Molybdenum	94-1	12.12	12.29	12.25	12.22	0.72	ppb
Molybdenum	95-1	10.15	10.24	10.31	10.23	0.77	ppb
Molybdenum	96-1	10.30	10.46	10.50	10.42	1.01	ppb
Molybdenum	97-1	10.27	10.23	10.31	10.27	0.40	ppb
Molybdenum	98-1	10.28	10.27	10.46	10.34	0.99	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.27	2.27	2.29	2.28	0.67	ppb
Phosphorus	31-2	-17.94	-18.26	-17.02	-17.74		ppb
Potassium	39-2	1048.55	1076.04	1079.39	1067.99	1.58	ppb
Rhodium	103-1				106		%
Rhodium	103-2				106		%
Scandium	45-1				103		%
Scandium	45-2				101		%
Selenium	82-1	10.84	10.95	10.47	10.75	2.33	ppb
Selenium	77-2	10.96	8.81	10.28	10.02	10.95	ppb
Selenium	78-2	10.75	11.55	11.73	11.34	4.62	ppb
Silicon	28-1	2.53	2.56	1.82	2.30	18.00	ppb
Silver	107-1	2.16	2.20	2.21	2.19	1.17	ppb
Silver	109-1	2.17	2.21	2.25	2.21	1.75	ppb
Sodium	23-2	1078.15	1079.64	1101.83	1086.54	1.22	ppb
Strontium	86-1	51.69	52.64	52.33	52.22	0.93	ppb
Strontium	88-1	52.45	52.18	53.51	52.71	1.33	ppb
Sulfur	34-1	-322.84	-435.43	-396.67	-384.98		ppb
Terbium	159-1				107		%
Terbium	159-2				105		%
Thallium	203-1	2.05	2.07	2.07	2.06	0.66	ppb
Thallium	205-1	2.06	2.08	2.04	2.06	1.14	ppb
Tin	118-1	0.01	-0.01	0.00	0.00	1134.70	ppb
Titanium	47-1	10.37	10.47	10.30	10.38	0.81	ppb

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	PB165104BS	Instrumnet Name :	P7
Client Sample ID :	LCS104	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:39:22	DataFile Name :	024SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.93	1.95	1.93	1.94	0.60	ppb
Vanadium	51-2	10.40	10.69	10.53	10.54	1.37	ppb
Yttrium	89-1				106		%
Yttrium	89-2				105		%
Zinc	66-2	10.87	11.13	11.11	11.03	1.32	ppb
Zirconium	90-1	2.10	2.13	2.14	2.12	0.79	ppb
Zirconium	91-1	2.17	2.12	2.12	2.14	1.22	ppb

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	PB165107BL	Instrumnet Name :	P7
Client Sample ID :	PBS107	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:42:35	DataFile Name :	025SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.19	-0.24	-0.34	-0.26		ppb
Antimony	121-1	0.00	0.00	0.01	0.00	57.86	ppb
Arsenic	75-2	-0.01	0.01	0.00	0.00		ppb
Barium	135-1	0.00	0.01	0.00	0.01	127.91	ppb
Barium	137-1	0.01	0.01	0.00	0.00	186.21	ppb
Beryllium	9-1	0.02	0.02	0.00	0.01	94.81	ppb
Bismuth	209-1				107		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.03	0.01	0.03	0.02	52.72	ppb
Cadmium	106-1	-0.69	-1.03	-1.18	-0.97		ppb
Cadmium	111-1	-0.05	-0.07	-0.08	-0.07		ppb
Calcium	43-1	-1.55	0.59	1.28	0.11	1376.67	ppb
Calcium	44-1	-4.64	-4.08	-5.30	-4.67		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.03	-0.03	-0.04	-0.03		ppb
Cobalt	59-2	0.00	-0.01	0.00	-0.01		ppb
Copper	63-2	0.01	-0.01	0.02	0.01	168.20	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				106		%
Indium	115-1				105		%
Indium	115-2				107		%
Iron	56-2	-0.08	-0.02	-0.23	-0.11		ppb
Iron	57-2	-0.49	-0.49	0.29	-0.23		ppb
Iron	54-2	0.52	-0.40	-0.37	-0.08		ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	PB165107BL	Instrumnet Name :	P7
Client Sample ID :	PBS107	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:42:35	DataFile Name :	025SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.01	0.00	-0.01	0.00		ppb
Lead	207-1	0.00	0.00	0.00	0.00	43.27	ppb
Lead	208-1	0.00	-0.01	0.00	0.00	6702.74	ppb
Lithium	6-1				96		%
Magnesium	24-2	0.13	-0.02	-0.08	0.01	1042.09	ppb
Manganese	55-2	-0.01	-0.07	-0.03	-0.04		ppb
Molybdenum	94-1	-0.01	0.00	0.00	0.00		ppb
Molybdenum	95-1	0.00	0.00	0.00	0.00	19.03	ppb
Molybdenum	96-1	0.00	0.00	0.00	0.00	111.98	ppb
Molybdenum	97-1	0.00	0.01	0.00	0.00	28.75	ppb
Molybdenum	98-1	0.00	0.00	0.00	0.00	34.63	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.03	-0.03	-0.04	-0.03		ppb
Phosphorus	31-2	-18.40	-18.38	-19.74	-18.84		ppb
Potassium	39-2	2.39	1.25	1.24	1.63	40.52	ppb
Rhodium	103-1				106		%
Rhodium	103-2				106		%
Scandium	45-1				103		%
Scandium	45-2				104		%
Selenium	82-1	0.06	-0.19	-0.07	-0.07		ppb
Selenium	77-2	0.18	0.09	0.00	0.09	100.24	ppb
Selenium	78-2	0.43	0.46	0.51	0.47	8.27	ppb
Silicon	28-1	-1.77	-0.80	-1.74	-1.43		ppb
Silver	107-1	0.01	0.00	0.01	0.01	28.78	ppb
Silver	109-1	0.01	0.01	0.01	0.01	18.95	ppb
Sodium	23-2	-3.39	-4.06	-4.63	-4.03		ppb
Strontium	86-1	-0.06	-0.21	0.07	-0.07		ppb
Strontium	88-1	0.02	0.08	0.01	0.04	106.09	ppb
Sulfur	34-1	-408.05	-424.86	-463.87	-432.26		ppb
Terbium	159-1				106		%
Terbium	159-2				105		%
Thallium	203-1	0.01	0.01	0.01	0.01	16.06	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	16.20	ppb
Tin	118-1	-0.01	-0.02	0.01	-0.01		ppb
Titanium	47-1	0.03	0.00	0.00	0.01	135.84	ppb

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	PB165107BL	Instrumnet Name :	P7
Client Sample ID :	PBS107	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:42:35	DataFile Name :	025SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	56.87	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	391.85	ppb
Yttrium	89-1				106		%
Yttrium	89-2				106		%
Zinc	66-2	-0.17	-0.19	-0.45	-0.27		ppb
Zirconium	90-1	-0.01	0.00	0.00	0.00		ppb
Zirconium	91-1	-0.01	0.00	0.01	0.00	503.71	ppb

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	PB165107BS	Instrumnet Name :	P7
Client Sample ID :	LCS107	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:45:50	DataFile Name :	026SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	38.80	39.45	38.50	38.91	1.25	ppb
Antimony	121-1	4.34	4.37	4.24	4.32	1.62	ppb
Arsenic	75-2	2.37	2.04	2.18	2.20	7.39	ppb
Barium	135-1	20.69	21.00	20.88	20.85	0.73	ppb
Barium	137-1	21.17	21.50	21.15	21.27	0.91	ppb
Beryllium	9-1	2.10	1.99	2.00	2.03	2.95	ppb
Bismuth	209-1				107		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.29	1.92	2.07	2.10	8.82	ppb
Cadmium	106-1	1.37	1.30	1.38	1.35	3.17	ppb
Cadmium	111-1	2.11	2.19	2.10	2.13	2.29	ppb
Calcium	43-1	997.45	1027.69	1048.34	1024.50	2.50	ppb
Calcium	44-1	1003.67	1030.04	1014.62	1016.11	1.30	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4.41	4.36	4.41	4.39	0.67	ppb
Cobalt	59-2	2.26	2.18	2.21	2.22	1.97	ppb
Copper	63-2	4.62	4.64	4.57	4.61	0.72	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				107		%
Indium	115-1				106		%
Indium	115-2				106		%
Iron	56-2	452.83	449.53	448.91	450.42	0.47	ppb
Iron	57-2	451.05	451.98	442.10	448.38	1.22	ppb
Iron	54-2	452.13	448.37	448.44	449.65	0.48	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	PB165107BS	Instrumnet Name :	P7
Client Sample ID :	LCS107	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:45:50	DataFile Name :	026SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2.15	2.15	2.10	2.13	1.39	ppb
Lead	207-1	2.13	2.12	2.12	2.12	0.41	ppb
Lead	208-1	2.11	2.13	2.11	2.12	0.41	ppb
Lithium	6-1				96		%
Magnesium	24-2	994.70	979.78	982.84	985.77	0.80	ppb
Manganese	55-2	2.10	2.16	2.05	2.10	2.70	ppb
Molybdenum	94-1	12.32	12.04	12.25	12.20	1.16	ppb
Molybdenum	95-1	10.27	10.12	10.10	10.16	0.92	ppb
Molybdenum	96-1	10.51	10.39	10.34	10.41	0.79	ppb
Molybdenum	97-1	10.39	10.31	10.24	10.31	0.69	ppb
Molybdenum	98-1	10.40	10.27	10.16	10.28	1.17	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.23	2.18	2.19	2.20	1.12	ppb
Phosphorus	31-2	-16.51	-19.06	-18.84	-18.14		ppb
Potassium	39-2	1083.01	1065.91	1057.76	1068.89	1.21	ppb
Rhodium	103-1				107		%
Rhodium	103-2				106		%
Scandium	45-1				104		%
Scandium	45-2				104		%
Selenium	82-1	10.45	10.77	10.37	10.53	2.03	ppb
Selenium	77-2	9.62	10.54	12.43	10.86	13.17	ppb
Selenium	78-2	11.71	10.05	11.01	10.92	7.64	ppb
Silicon	28-1	2.36	2.41	2.82	2.53	10.03	ppb
Silver	107-1	2.22	2.22	2.20	2.21	0.64	ppb
Silver	109-1	2.21	2.24	2.23	2.22	0.73	ppb
Sodium	23-2	1072.17	1079.82	1059.23	1070.41	0.97	ppb
Strontium	86-1	53.08	51.50	52.35	52.31	1.51	ppb
Strontium	88-1	52.81	51.86	52.52	52.40	0.93	ppb
Sulfur	34-1	-333.02	-390.41	-338.71	-354.04		ppb
Terbium	159-1				106		%
Terbium	159-2				106		%
Thallium	203-1	2.11	2.04	2.12	2.09	2.18	ppb
Thallium	205-1	2.08	2.06	2.07	2.07	0.51	ppb
Tin	118-1	0.01	0.02	0.01	0.01	51.46	ppb
Titanium	47-1	10.16	10.38	10.42	10.32	1.39	ppb

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	PB165107BS	Instrumnet Name :	P7
Client Sample ID :	LCS107	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:45:50	DataFile Name :	026SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.95	1.90	1.93	1.93	1.27	ppb
Vanadium	51-2	10.63	10.44	10.64	10.57	1.05	ppb
Yttrium	89-1				106		%
Yttrium	89-2				107		%
Zinc	66-2	10.71	10.48	10.09	10.43	3.01	ppb
Zirconium	90-1	2.13	2.09	2.10	2.11	1.02	ppb
Zirconium	91-1	2.12	2.13	2.13	2.13	0.32	ppb

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4728-16	Instrumnet Name :	P7
Client Sample ID :	MBH9G9	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:49:04	DataFile Name :	027SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.77	0.70	1.30	0.93	35.55	ppb
Antimony	121-1	0.00	0.00	0.00	0.00	28.35	ppb
Arsenic	75-2	0.00	-0.01	0.02	0.00	423.58	ppb
Barium	135-1	-0.01	-0.01	0.00	-0.01		ppb
Barium	137-1	0.00	-0.01	-0.01	-0.01		ppb
Beryllium	9-1	0.00	0.01	0.03	0.01	119.10	ppb
Bismuth	209-1				118		%
Bismuth	209-2				113		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.00	0.00	0.02	0.01	215.46	ppb
Cadmium	106-1	-0.18	-0.83	-1.42	-0.81		ppb
Cadmium	111-1	-0.01	-0.06	-0.10	-0.06		ppb
Calcium	43-1	-79.63	-79.38	-81.59	-80.20		ppb
Calcium	44-1	-85.61	-84.56	-84.19	-84.79		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.27	-0.29	-0.28	-0.28		ppb
Cobalt	59-2	-0.01	-0.01	-0.01	-0.01		ppb
Copper	63-2	0.00	0.00	0.00	0.00	324.23	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				117		%
Holmium	165-2				112		%
Indium	115-1				116		%
Indium	115-2				112		%
Iron	56-2	2.33	2.38	2.36	2.36	1.05	ppb
Iron	57-2	1.67	2.06	1.83	1.85	10.44	ppb
Iron	54-2	0.29	0.59	0.39	0.42	36.10	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4728-16	Instrumnet Name :	P7
Client Sample ID :	MBH9G9	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:49:04	DataFile Name :	027SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	-0.06	-0.07	-0.06	-0.06		ppb
Lead	207-1	-0.07	-0.06	-0.06	-0.06		ppb
Lead	208-1	-0.06	-0.06	-0.06	-0.06		ppb
Lithium	6-1				106		%
Magnesium	24-2	-0.47	-0.60	-0.66	-0.58		ppb
Manganese	55-2	-0.76	-0.74	-0.81	-0.77		ppb
Molybdenum	94-1	-0.03	-0.02	-0.03	-0.03		ppb
Molybdenum	95-1	0.00	0.00	0.00	0.00	28.22	ppb
Molybdenum	96-1	0.00	-0.01	0.00	0.00		ppb
Molybdenum	97-1	0.00	0.00	0.00	0.00	145.74	ppb
Molybdenum	98-1	0.00	0.00	0.00	0.00	213.45	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.04	-0.09	-0.06	-0.06		ppb
Phosphorus	31-2	-23.11	-21.60	-18.05	-20.92		ppb
Potassium	39-2	1.50	0.73	0.53	0.92	55.92	ppb
Rhodium	103-1				117		%
Rhodium	103-2				113		%
Scandium	45-1				114		%
Scandium	45-2				110		%
Selenium	82-1	0.48	-0.02	0.14	0.20	127.28	ppb
Selenium	77-2	0.17	0.00	0.00	0.06	173.21	ppb
Selenium	78-2	0.65	-0.23	0.13	0.19	238.17	ppb
Silicon	28-1	-5.26	-4.70	-4.65	-4.87		ppb
Silver	107-1	0.01	0.00	0.00	0.00	21.30	ppb
Silver	109-1	0.01	0.00	0.00	0.00	22.47	ppb
Sodium	23-2	-19.43	-18.83	-20.29	-19.52		ppb
Strontium	86-1	-0.14	-0.10	-0.50	-0.25		ppb
Strontium	88-1	-0.08	-0.04	-0.04	-0.06		ppb
Sulfur	34-1	-645.47	-554.89	-550.22	-583.53		ppb
Terbium	159-1				116		%
Terbium	159-2				112		%
Thallium	203-1	0.01	0.00	0.00	0.00	44.28	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	11.11	ppb
Tin	118-1	-0.22	-0.22	-0.21	-0.22		ppb
Titanium	47-1	0.06	0.07	0.04	0.06	32.00	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4728-16	Instrumnet Name :	P7
Client Sample ID :	MBH9G9	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:49:04	DataFile Name :	027SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	648.93	ppb
Vanadium	51-2	0.00	0.00	0.01	0.00	28.08	ppb
Yttrium	89-1				117		%
Yttrium	89-2				112		%
Zinc	66-2	-6.30	-6.37	-6.37	-6.34		ppb
Zirconium	90-1	-0.02	-0.02	-0.02	-0.02		ppb
Zirconium	91-1	-0.01	-0.02	-0.01	-0.01		ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4750-22	Instrumnet Name :	P7
Client Sample ID :	MBH9H0	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:52:19	DataFile Name :	028SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1.48	1.62	1.42	1.51	6.74	ppb
Antimony	121-1	0.01	0.00	0.01	0.00	31.01	ppb
Arsenic	75-2	0.00	0.00	0.00	0.00	107.73	ppb
Barium	135-1	0.02	0.02	0.04	0.03	41.68	ppb
Barium	137-1	0.02	0.03	0.03	0.03	18.92	ppb
Beryllium	9-1	0.00	0.00	-0.01	0.00		ppb
Bismuth	209-1				115		%
Bismuth	209-2				111		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.02	0.03	0.00	0.00	749.53	ppb
Cadmium	106-1	-0.79	-0.76	-0.91	-0.82		ppb
Cadmium	111-1	-0.05	-0.06	-0.06	-0.06		ppb
Calcium	43-1	-59.54	-58.47	-58.57	-58.86		ppb
Calcium	44-1	-65.04	-62.91	-63.48	-63.81		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.23	-0.22	-0.18	-0.21		ppb
Cobalt	59-2	-0.01	0.00	-0.01	-0.01		ppb
Copper	63-2	0.04	0.04	0.05	0.04	18.64	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				115		%
Holmium	165-2				110		%
Indium	115-1				113		%
Indium	115-2				111		%
Iron	56-2	3.20	3.56	3.57	3.44	6.02	ppb
Iron	57-2	3.18	3.29	4.13	3.53	14.79	ppb
Iron	54-2	2.55	1.03	2.08	1.89	41.41	ppb
Krypton	83-1						cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4750-22	Instrumnet Name :	P7
Client Sample ID :	MBH9H0	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:52:19	DataFile Name :	028SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	-0.01	0.00	0.00	0.00		ppb
Lead	207-1	0.00	-0.01	0.00	0.00		ppb
Lead	208-1	-0.01	0.00	0.00	0.00		ppb
Lithium	6-1				105		%
Magnesium	24-2	1.92	2.28	2.21	2.14	8.84	ppb
Manganese	55-2	0.13	0.12	0.20	0.15	28.40	ppb
Molybdenum	94-1	0.05	0.05	0.05	0.05	6.36	ppb
Molybdenum	95-1	0.10	0.10	0.10	0.10	3.53	ppb
Molybdenum	96-1	0.09	0.09	0.10	0.09	5.00	ppb
Molybdenum	97-1	0.10	0.12	0.09	0.10	12.33	ppb
Molybdenum	98-1	0.10	0.10	0.10	0.10	2.82	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.07	-0.06	-0.05	-0.06		ppb
Phosphorus	31-2	-21.71	-20.55	-19.63	-20.63		ppb
Potassium	39-2	14.80	15.91	16.45	15.72	5.35	ppb
Rhodium	103-1				113		%
Rhodium	103-2				111		%
Scandium	45-1				112		%
Scandium	45-2				108		%
Selenium	82-1	0.17	-0.14	0.05	0.03	589.03	ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	1.15	-0.26	0.92	0.61	125.16	ppb
Silicon	28-1	-2.69	-4.15	-4.27	-3.71		ppb
Silver	107-1	0.00	0.00	0.00	0.00	9.89	ppb
Silver	109-1	0.00	0.00	0.00	0.00	25.95	ppb
Sodium	23-2	32.99	34.18	35.52	34.23	3.70	ppb
Strontium	86-1	0.17	-0.16	-0.04	-0.01		ppb
Strontium	88-1	0.04	0.09	0.10	0.08	37.93	ppb
Sulfur	34-1	-520.99	-499.70	-456.83	-492.51		ppb
Terbium	159-1				112		%
Terbium	159-2				110		%
Thallium	203-1	0.00	0.00	0.00	0.00	111.47	ppb
Thallium	205-1	0.00	0.00	0.00	0.00	29.64	ppb
Tin	118-1	-0.17	-0.17	-0.17	-0.17		ppb
Titanium	47-1	0.08	0.13	0.09	0.10	22.45	ppb

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4750-22	Instrumnet Name :	P7
Client Sample ID :	MBH9H0	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:52:19	DataFile Name :	028SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00		ppb
Vanadium	51-2	0.02	0.01	0.01	0.01	25.62	ppb
Yttrium	89-1				113		%
Yttrium	89-2				111		%
Zinc	66-2	-5.91	-5.81	-5.81	-5.84		ppb
Zirconium	90-1	-0.02	-0.02	-0.02	-0.02		ppb
Zirconium	91-1	-0.02	-0.02	-0.02	-0.02		ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4806-04A	Instrumnet Name :	P7
Client Sample ID :	MH2GT9A	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:55:35	DataFile Name :	029SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	5582.49	5660.01	5777.28	5673.26	1.73	ppb
Antimony	121-1	5.87	5.88	5.94	5.90	0.58	ppb
Arsenic	75-2	10.79	10.86	10.46	10.70	1.97	ppb
Barium	135-1	284.68	288.86	282.13	285.22	1.19	ppb
Barium	137-1	282.58	286.51	287.45	285.51	0.91	ppb
Beryllium	9-1	0.35	0.35	0.40	0.37	7.96	ppb
Bismuth	209-1				110		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	14.23	14.71	14.38	14.44	1.71	ppb
Cadmium	106-1	13.76	13.87	13.20	13.61	2.64	ppb
Cadmium	111-1	13.85	13.97	14.13	13.98	1.02	ppb
Calcium	43-1	86174.83	86911.70	86542.31	86542.94	0.43	ppb
Calcium	44-1	85445.45	86343.92	87500.14	86429.84	1.19	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	22.43	22.37	22.69	22.50	0.76	ppb
Cobalt	59-2	4.47	4.49	4.59	4.52	1.39	ppb
Copper	63-2	5209.14	5214.73	5310.82	5244.90	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				111		%
Holmium	165-2				108		%
Indium	115-1				107		%
Indium	115-2				105		%
Iron	56-2	9393.87	9318.32	9557.32	9423.17	1.30	ppb
Iron	57-2	9708.43	9649.24	10016.10	9791.26	2.01	ppb
Iron	54-2	9164.52	9259.78	9420.91	9281.74	1.40	ppb
Krypton	83-1						cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4806-04A	Instrumnet Name :	P7
Client Sample ID :	MH2GT9A	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:55:35	DataFile Name :	029SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1286.91	1278.61	1291.25	1285.59	0.50	ppb
Lead	207-1	1241.05	1241.66	1240.52	1241.08	0.05	ppb
Lead	208-1	1256.85	1254.84	1255.03	1255.57	0.09	ppb
Lithium	6-1				100		%
Magnesium	24-2	6268.66	6229.31	6414.60	6304.19	1.55	ppb
Manganese	55-2	894.87	913.78	932.28	913.64	2.05	ppb
Molybdenum	94-1	14.18	13.97	14.19	14.11	0.89	ppb
Molybdenum	95-1	7.14	7.06	7.14	7.11	0.65	ppb
Molybdenum	96-1	7.85	7.85	7.78	7.82	0.50	ppb
Molybdenum	97-1	7.14	7.02	7.20	7.12	1.25	ppb
Molybdenum	98-1	7.11	7.10	7.21	7.14	0.86	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	32.10	32.02	32.74	32.28	1.22	ppb
Phosphorus	31-2	1855.66	1856.78	1887.45	1866.63	0.97	ppb
Potassium	39-2	3599.94	3572.28	3677.85	3616.69	1.51	ppb
Rhodium	103-1				104		%
Rhodium	103-2				105		%
Scandium	45-1				105		%
Scandium	45-2				101		%
Selenium	82-1	5.36	5.13	5.14	5.21	2.55	ppb
Selenium	77-2	12.16	12.28	11.90	12.12	1.60	ppb
Selenium	78-2	6.82	7.87	6.99	7.23	7.79	ppb
Silicon	28-1	1172.05	1198.49	1204.35	1191.63	1.44	ppb
Silver	107-1	2.47	2.54	2.55	2.52	1.65	ppb
Silver	109-1	2.53	2.52	2.55	2.53	0.56	ppb
Sodium	23-2	23986.53	24192.08	24632.13	24270.25	1.36	ppb
Strontium	86-1	13900.51	13723.72	13763.30	13795.84	0.67	ppb
Strontium	88-1	13801.44	13831.88	13857.59	13830.30	0.20	ppb
Sulfur	34-1	34699.36	35323.02	35168.98	35063.79	0.93	ppb
Terbium	159-1				110		%
Terbium	159-2				107		%
Thallium	203-1	0.16	0.16	0.16	0.16	1.78	ppb
Thallium	205-1	0.16	0.16	0.16	0.16	0.56	ppb
Tin	118-1	44.22	44.18	44.15	44.19	0.08	ppb
Titanium	47-1	148.34	149.07	151.39	149.60	1.07	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4806-04A	Instrumnet Name :	P7
Client Sample ID :	MH2GT9A	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:55:35	DataFile Name :	029SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	2.45	2.46	2.48	2.46	0.49	ppb
Vanadium	51-2	31.95	31.95	32.58	32.16	1.13	ppb
Yttrium	89-1				110		%
Yttrium	89-2				107		%
Zinc	66-2	4255.58	4359.59	4446.16	4353.78	2.19	ppb
Zirconium	90-1	4.68	4.63	4.73	4.68	1.15	ppb
Zirconium	91-1	4.69	4.57	4.70	4.65	1.63	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-01	Instrumnet Name :	P7
Client Sample ID :	E29S4	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:58:29	DataFile Name :	030SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	5.73	5.91	6.26	5.97	4.54	ppb
Antimony	121-1	0.21	0.22	0.22	0.22	3.10	ppb
Arsenic	75-2	2.96	3.06	2.96	2.99	1.97	ppb
Barium	135-1	68.39	69.51	68.35	68.75	0.96	ppb
Barium	137-1	68.60	69.83	69.33	69.25	0.90	ppb
Beryllium	9-1	0.01	0.01	0.01	0.01	20.61	ppb
Bismuth	209-1				104		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.09	0.06	0.09	0.08	22.77	ppb
Cadmium	106-1	-0.47	-1.18	-1.79	-1.15		ppb
Cadmium	111-1	0.00	-0.05	-0.09	-0.05		ppb
Calcium	43-1	102206.67	100888.27	103233.77	102109.57	1.15	ppb
Calcium	44-1	101262.38	100706.63	102332.91	101433.98	0.81	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.16	0.13	0.15	0.15	8.78	ppb
Cobalt	59-2	0.11	0.11	0.12	0.12	5.42	ppb
Copper	63-2	0.86	0.84	0.78	0.83	5.00	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				107		%
Indium	115-1				103		%
Indium	115-2				104		%
Iron	56-2	7.85	7.70	7.48	7.68	2.45	ppb
Iron	57-2	478.13	491.82	488.04	486.00	1.45	ppb
Iron	54-2	7.44	7.86	6.61	7.30	8.68	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-01	Instrumnet Name :	P7
Client Sample ID :	E29S4	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:58:29	DataFile Name :	030SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.23	0.15	0.11	0.16	37.18	ppb
Lead	207-1	0.21	0.14	0.09	0.15	42.12	ppb
Lead	208-1	0.22	0.14	0.09	0.15	41.64	ppb
Lithium	6-1				95		%
Magnesium	24-2	31469.70	31332.31	31274.02	31358.68	0.32	ppb
Manganese	55-2	1.67	1.69	1.67	1.68	0.59	ppb
Molybdenum	94-1	4.29	4.47	4.39	4.38	2.07	ppb
Molybdenum	95-1	5.25	5.39	5.41	5.35	1.62	ppb
Molybdenum	96-1	5.12	5.26	5.21	5.20	1.37	ppb
Molybdenum	97-1	5.26	5.33	5.38	5.32	1.11	ppb
Molybdenum	98-1	5.34	5.41	5.43	5.39	0.79	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.59	0.59	0.62	0.60	2.92	ppb
Phosphorus	31-2	814.71	840.41	828.67	827.93	1.55	ppb
Potassium	39-2	5526.44	5461.35	5486.31	5491.37	0.60	ppb
Rhodium	103-1				100		%
Rhodium	103-2				102		%
Scandium	45-1				101		%
Scandium	45-2				102		%
Selenium	82-1	2.36	2.70	2.10	2.39	12.73	ppb
Selenium	77-2	2.70	2.07	2.27	2.35	13.60	ppb
Selenium	78-2	3.25	3.13	3.12	3.17	2.29	ppb
Silicon	28-1	1413.41	1412.32	1418.24	1414.66	0.22	ppb
Silver	107-1	0.01	0.01	0.01	0.01	5.66	ppb
Silver	109-1	0.01	0.01	0.00	0.01	20.38	ppb
Sodium	23-2	80963.23	83111.62	82536.11	82203.65	1.35	ppb
Strontium	86-1	5396.72	5434.40	5432.38	5421.17	0.39	ppb
Strontium	88-1	5291.00	5416.34	5442.51	5383.28	1.50	ppb
Sulfur	34-1	13328.31	12919.21	13001.83	13083.12	1.65	ppb
Terbium	159-1				106		%
Terbium	159-2				105		%
Thallium	203-1	0.06	0.05	0.05	0.05	5.56	ppb
Thallium	205-1	0.06	0.06	0.05	0.06	8.46	ppb
Tin	118-1	-0.10	-0.08	-0.10	-0.09		ppb
Titanium	47-1	0.57	0.55	0.53	0.55	3.33	ppb

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-01	Instrumnet Name :	P7
Client Sample ID :	E29S4	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:58:29	DataFile Name :	030SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.76	0.78	0.77	0.77	1.45	ppb
Vanadium	51-2	0.72	0.69	0.72	0.71	2.61	ppb
Yttrium	89-1				104		%
Yttrium	89-2				105		%
Zinc	66-2	-2.30	-2.49	-2.30	-2.36		ppb
Zirconium	90-1	0.02	0.03	0.03	0.03	17.69	ppb
Zirconium	91-1	0.03	0.03	0.02	0.03	15.92	ppb

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Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-02	Instrumnet Name :	P7
Client Sample ID :	E29S4D	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:01:41	DataFile Name :	031SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	6.34	6.98	6.24	6.52	6.20	ppb
Antimony	121-1	0.23	0.22	0.23	0.23	1.65	ppb
Arsenic	75-2	3.13	3.07	2.91	3.04	3.74	ppb
Barium	135-1	71.17	71.01	71.15	71.11	0.12	ppb
Barium	137-1	72.15	70.77	72.27	71.73	1.16	ppb
Beryllium	9-1	0.02	0.02	0.00	0.01	75.65	ppb
Bismuth	209-1				103		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.12	0.09	0.05	0.09	37.84	ppb
Cadmium	106-1	-0.75	-1.44	-1.49	-1.22		ppb
Cadmium	111-1	-0.03	-0.08	-0.07	-0.06		ppb
Calcium	43-1	107895.74	102807.11	102660.29	104454.38	2.85	ppb
Calcium	44-1	106933.99	102685.14	103173.75	104264.29	2.23	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.36	0.35	0.34	0.35	2.47	ppb
Cobalt	59-2	0.12	0.12	0.12	0.12	2.13	ppb
Copper	63-2	0.84	0.86	0.81	0.84	2.91	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				104		%
Indium	115-1				104		%
Indium	115-2				102		%
Iron	56-2	8.19	10.03	7.45	8.56	15.49	ppb
Iron	57-2	504.71	506.55	486.70	499.32	2.20	ppb
Iron	54-2	7.96	7.95	6.43	7.45	11.83	ppb
Krypton	83-1						cps

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-02	Instrumnet Name :	P7
Client Sample ID :	E29S4D	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:01:41	DataFile Name :	031SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.06	0.05	0.04	0.05	15.08	ppb
Lead	207-1	0.04	0.05	0.05	0.05	9.90	ppb
Lead	208-1	0.05	0.05	0.05	0.05	1.41	ppb
Lithium	6-1				94		%
Magnesium	24-2	33200.08	32623.23	31157.86	32327.06	3.26	ppb
Manganese	55-2	46.45	45.99	44.05	45.49	2.80	ppb
Molybdenum	94-1	4.56	4.47	4.63	4.55	1.75	ppb
Molybdenum	95-1	5.54	5.52	5.51	5.52	0.31	ppb
Molybdenum	96-1	5.35	5.28	5.40	5.34	1.18	ppb
Molybdenum	97-1	5.62	5.42	5.48	5.51	1.88	ppb
Molybdenum	98-1	5.65	5.49	5.55	5.57	1.44	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.75	0.70	0.71	0.72	3.69	ppb
Phosphorus	31-2	875.81	872.79	835.88	861.50	2.58	ppb
Potassium	39-2	5867.64	5739.79	5510.46	5705.96	3.17	ppb
Rhodium	103-1				101		%
Rhodium	103-2				100		%
Scandium	45-1				103		%
Scandium	45-2				101		%
Selenium	82-1	2.63	2.48	2.61	2.57	3.27	ppb
Selenium	77-2	2.45	2.93	2.24	2.54	14.01	ppb
Selenium	78-2	3.47	4.26	3.21	3.65	15.02	ppb
Silicon	28-1	1486.66	1433.78	1424.30	1448.24	2.32	ppb
Silver	107-1	0.00	0.00	0.00	0.00	14.46	ppb
Silver	109-1	0.00	0.00	0.00	0.00	44.61	ppb
Sodium	23-2	86900.08	86165.48	84249.39	85771.65	1.60	ppb
Strontium	86-1	5610.17	5541.07	5517.75	5556.33	0.87	ppb
Strontium	88-1	5654.94	5503.06	5532.01	5563.34	1.45	ppb
Sulfur	34-1	14142.10	13310.62	13413.39	13622.03	3.33	ppb
Terbium	159-1				106		%
Terbium	159-2				103		%
Thallium	203-1	0.05	0.05	0.05	0.05	1.95	ppb
Thallium	205-1	0.05	0.05	0.05	0.05	4.49	ppb
Tin	118-1	0.08	0.08	0.11	0.09	16.62	ppb
Titanium	47-1	0.61	0.55	0.52	0.56	8.46	ppb

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LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-02	Instrumnet Name :	P7
Client Sample ID :	E29S4D	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:01:41	DataFile Name :	031SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.80	0.77	0.79	0.79	1.93	ppb
Vanadium	51-2	0.72	0.72	0.69	0.71	2.25	ppb
Yttrium	89-1				105		%
Yttrium	89-2				103		%
Zinc	66-2	-1.61	-1.74	-2.22	-1.86		ppb
Zirconium	90-1	0.02	0.03	0.02	0.02	18.98	ppb
Zirconium	91-1	0.02	0.01	0.04	0.02	51.84	ppb

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Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-01LX5	Instrumnet Name :	P7
Client Sample ID :	E29S4L	Dilution Factor :	5
Date & Time Acquired :	2024-11-20 11:04:50	DataFile Name :	032SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1.03	1.05	1.07	1.05	1.75	ppb
Antimony	121-1	0.04	0.04	0.04	0.04	3.94	ppb
Arsenic	75-2	0.51	0.54	0.58	0.54	6.67	ppb
Barium	135-1	12.84	13.13	13.12	13.03	1.27	ppb
Barium	137-1	13.17	13.43	13.28	13.29	0.97	ppb
Beryllium	9-1	0.02	0.00	0.01	0.01	104.73	ppb
Bismuth	209-1				106		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.00	0.07	0.06	0.04	82.26	ppb
Cadmium	106-1	-0.51	-1.02	-1.66	-1.06		ppb
Cadmium	111-1	-0.03	-0.07	-0.12	-0.07		ppb
Calcium	43-1	19026.95	19238.51	19530.97	19265.48	1.31	ppb
Calcium	44-1	18737.33	19181.89	19371.59	19096.94	1.70	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.02	0.05	0.03	0.03	43.85	ppb
Cobalt	59-2	0.01	0.01	0.01	0.01	24.39	ppb
Copper	63-2	0.16	0.16	0.16	0.16	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				107		%
Holmium	165-2				107		%
Indium	115-1				103		%
Indium	115-2				106		%
Iron	56-2	1.75	1.56	1.69	1.67	5.68	ppb
Iron	57-2	87.46	85.80	90.01	87.76	2.41	ppb
Iron	54-2	1.42	1.80	1.35	1.53	15.61	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-01LX5	Instrumnet Name :	P7
Client Sample ID :	E29S4L	Dilution Factor :	5
Date & Time Acquired :	2024-11-20 11:04:50	DataFile Name :	032SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.01	0.01	0.00	0.01	180.21	ppb
Lead	207-1	0.01	0.00	0.00	0.00	197.60	ppb
Lead	208-1	0.01	0.01	0.00	0.00	155.23	ppb
Lithium	6-1				97		%
Magnesium	24-2	5823.40	5788.30	5846.22	5819.31	0.50	ppb
Manganese	55-2	0.39	0.41	0.42	0.41	3.02	ppb
Molybdenum	94-1	0.83	0.82	0.84	0.83	0.91	ppb
Molybdenum	95-1	0.99	0.99	0.98	0.98	0.72	ppb
Molybdenum	96-1	0.97	0.97	0.97	0.97	0.11	ppb
Molybdenum	97-1	0.98	0.98	1.01	0.99	2.14	ppb
Molybdenum	98-1	1.00	1.02	1.00	1.01	0.87	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.09	0.08	0.09	0.09	5.26	ppb
Phosphorus	31-2	136.62	135.76	148.30	140.23	4.99	ppb
Potassium	39-2	1044.18	1025.82	1050.82	1040.27	1.24	ppb
Rhodium	103-1				103		%
Rhodium	103-2				105		%
Scandium	45-1				101		%
Scandium	45-2				103		%
Selenium	82-1	0.62	0.37	0.26	0.42	44.98	ppb
Selenium	77-2	0.80	0.36	0.45	0.54	43.72	ppb
Selenium	78-2	0.38	1.08	1.22	0.89	50.21	ppb
Silicon	28-1	263.35	270.65	268.89	267.63	1.42	ppb
Silver	107-1	0.00	0.00	0.00	0.00	74.90	ppb
Silver	109-1	0.00	0.00	0.00	0.00	59.20	ppb
Sodium	23-2	15614.95	15285.72	15568.79	15489.82	1.15	ppb
Strontium	86-1	990.21	993.23	983.00	988.81	0.53	ppb
Strontium	88-1	1021.79	1028.23	1017.06	1022.36	0.55	ppb
Sulfur	34-1	1792.48	1834.37	1862.65	1829.83	1.93	ppb
Terbium	159-1				105		%
Terbium	159-2				105		%
Thallium	203-1	0.01	0.02	0.01	0.01	10.64	ppb
Thallium	205-1	0.01	0.02	0.02	0.02	12.89	ppb
Tin	118-1	0.00	-0.03	-0.01	-0.01		ppb
Titanium	47-1	0.11	0.11	0.14	0.12	15.69	ppb

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Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-01LX5	Instrumnet Name :	P7
Client Sample ID :	E29S4L	Dilution Factor :	5
Date & Time Acquired :	2024-11-20 11:04:50	DataFile Name :	032SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.14	0.14	0.14	0.14	1.60	ppb
Vanadium	51-2	0.13	0.13	0.14	0.13	4.96	ppb
Yttrium	89-1				104		%
Yttrium	89-2				106		%
Zinc	66-2	-0.26	-0.51	-0.19	-0.32		ppb
Zirconium	90-1	0.00	0.00	0.00	0.00		ppb
Zirconium	91-1	0.00	0.00	0.00	0.00		ppb

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Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-04	Instrumnet Name :	P7
Client Sample ID :	E29T2	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:10:53	DataFile Name :	034SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	33.33	34.58	34.94	34.28	2.46	ppb
Antimony	121-1	0.11	0.10	0.10	0.10	7.73	ppb
Arsenic	75-2	0.37	0.44	0.46	0.42	11.58	ppb
Barium	135-1	118.29	121.14	120.16	119.86	1.21	ppb
Barium	137-1	119.59	122.63	120.93	121.05	1.26	ppb
Beryllium	9-1	0.03	0.02	0.03	0.02	24.95	ppb
Bismuth	209-1				112		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.04	0.05	0.07	0.05	33.35	ppb
Cadmium	106-1	-0.58	-0.72	-1.18	-0.83		ppb
Cadmium	111-1	0.00	-0.01	-0.05	-0.02		ppb
Calcium	43-1	96345.39	98703.97	99041.68	98030.35	1.50	ppb
Calcium	44-1	97462.28	98525.00	98707.64	98231.64	0.68	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.05	0.03	0.05	0.04	21.11	ppb
Cobalt	59-2	2.08	2.15	2.12	2.12	1.66	ppb
Copper	63-2	0.75	0.78	0.78	0.77	2.15	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				114		%
Holmium	165-2				110		%
Indium	115-1				109		%
Indium	115-2				106		%
Iron	56-2	130.29	132.99	129.39	130.89	1.43	ppb
Iron	57-2	572.75	594.45	587.32	584.84	1.89	ppb
Iron	54-2	130.09	133.29	127.84	130.41	2.10	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-04	Instrumnet Name :	P7
Client Sample ID :	E29T2	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:10:53	DataFile Name :	034SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.19	0.17	0.17	0.18	6.10	ppb
Lead	207-1	0.16	0.17	0.16	0.16	3.34	ppb
Lead	208-1	0.17	0.17	0.16	0.17	2.82	ppb
Lithium	6-1				99		%
Magnesium	24-2	29766.38	29859.68	29466.96	29697.68	0.69	ppb
Manganese	55-2	744.71	767.19	744.43	752.11	1.74	ppb
Molybdenum	94-1	3.40	3.42	3.39	3.40	0.46	ppb
Molybdenum	95-1	4.04	4.08	4.07	4.06	0.54	ppb
Molybdenum	96-1	3.85	3.96	3.94	3.92	1.55	ppb
Molybdenum	97-1	3.98	4.09	4.11	4.06	1.72	ppb
Molybdenum	98-1	4.04	4.05	4.16	4.08	1.60	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	3.13	3.26	3.22	3.20	2.13	ppb
Phosphorus	31-2	-7.38	-4.62	-8.55	-6.85		ppb
Potassium	39-2	6644.53	6885.05	6725.76	6751.78	1.81	ppb
Rhodium	103-1				106		%
Rhodium	103-2				105		%
Scandium	45-1				106		%
Scandium	45-2				104		%
Selenium	82-1	0.58	0.86	0.28	0.57	50.68	ppb
Selenium	77-2	0.53	0.43	0.18	0.38	47.64	ppb
Selenium	78-2	-0.06	0.49	1.06	0.50	111.89	ppb
Silicon	28-1	1304.69	1325.68	1317.29	1315.88	0.80	ppb
Silver	107-1	0.03	0.02	0.02	0.02	19.64	ppb
Silver	109-1	0.03	0.02	0.02	0.03	15.79	ppb
Sodium	23-2	49024.77	49607.52	48496.35	49042.88	1.13	ppb
Strontium	86-1	3333.72	3351.07	3386.77	3357.19	0.81	ppb
Strontium	88-1	3429.35	3446.68	3477.66	3451.23	0.71	ppb
Sulfur	34-1	12524.20	12721.81	12739.27	12661.76	0.94	ppb
Terbium	159-1				112		%
Terbium	159-2				108		%
Thallium	203-1	0.11	0.11	0.10	0.11	3.51	ppb
Thallium	205-1	0.11	0.11	0.10	0.10	4.12	ppb
Tin	118-1	-0.03	-0.03	-0.04	-0.03		ppb
Titanium	47-1	1.06	1.17	1.05	1.09	5.95	ppb

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-04	Instrumnet Name :	P7
Client Sample ID :	E29T2	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:10:53	DataFile Name :	034SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.84	0.85	0.86	0.85	0.76	ppb
Vanadium	51-2	0.20	0.20	0.18	0.19	5.92	ppb
Yttrium	89-1				109		%
Yttrium	89-2				108		%
Zinc	66-2	-1.75	-1.97	-1.69	-1.80		ppb
Zirconium	90-1	0.04	0.04	0.04	0.04	7.69	ppb
Zirconium	91-1	0.04	0.05	0.05	0.05	16.58	ppb

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-05	Instrumnet Name :	P7
Client Sample ID :	E29T4	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:14:04	DataFile Name :	035SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4.71	4.80	4.48	4.66	3.45	ppb
Antimony	121-1	0.02	0.02	0.02	0.02	15.47	ppb
Arsenic	75-2	2.93	3.25	2.94	3.04	5.96	ppb
Barium	135-1	109.28	110.73	108.23	109.41	1.15	ppb
Barium	137-1	110.76	112.05	110.32	111.04	0.81	ppb
Beryllium	9-1	0.02	0.02	0.03	0.02	28.37	ppb
Bismuth	209-1				109		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.02	0.05	0.01	0.03	72.15	ppb
Cadmium	106-1	-0.53	-1.05	-1.20	-0.92		ppb
Cadmium	111-1	-0.03	-0.07	-0.08	-0.06		ppb
Calcium	43-1	125173.07	126609.30	127822.32	126534.90	1.05	ppb
Calcium	44-1	124895.95	125154.33	127070.53	125706.93	0.95	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.05	-0.06	-0.08	-0.06		ppb
Cobalt	59-2	0.30	0.29	0.29	0.29	1.28	ppb
Copper	63-2	0.19	0.21	0.20	0.20	4.55	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				112		%
Holmium	165-2				109		%
Indium	115-1				107		%
Indium	115-2				105		%
Iron	56-2	1853.36	1888.57	1841.13	1861.02	1.32	ppb
Iron	57-2	2408.19	2457.61	2423.64	2429.82	1.04	ppb
Iron	54-2	1849.65	1856.02	1827.63	1844.43	0.81	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-05	Instrumnet Name :	P7
Client Sample ID :	E29T4	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:14:04	DataFile Name :	035SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.24	0.22	0.21	0.22	6.85	ppb
Lead	207-1	0.23	0.21	0.20	0.21	8.21	ppb
Lead	208-1	0.22	0.21	0.21	0.21	2.87	ppb
Lithium	6-1				100		%
Magnesium	24-2	51365.85	52393.05	50946.13	51568.34	1.44	ppb
Manganese	55-2	104.71	104.22	103.29	104.07	0.70	ppb
Molybdenum	94-1	3.13	3.05	3.13	3.10	1.56	ppb
Molybdenum	95-1	3.23	3.27	3.29	3.26	0.87	ppb
Molybdenum	96-1	3.29	3.29	3.27	3.29	0.33	ppb
Molybdenum	97-1	3.30	3.28	3.26	3.28	0.71	ppb
Molybdenum	98-1	3.29	3.28	3.33	3.30	0.77	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	3.22	3.28	3.26	3.25	0.99	ppb
Phosphorus	31-2	-12.74	-11.10	-14.24	-12.69		ppb
Potassium	39-2	2656.83	2702.56	2639.02	2666.14	1.23	ppb
Rhodium	103-1				104		%
Rhodium	103-2				103		%
Scandium	45-1				105		%
Scandium	45-2				103		%
Selenium	82-1	0.35	0.46	0.21	0.34	36.71	ppb
Selenium	77-2	0.09	0.00	0.00	0.03	173.21	ppb
Selenium	78-2	-0.10	0.19	0.40	0.16	156.34	ppb
Silicon	28-1	1742.46	1728.77	1723.57	1731.60	0.56	ppb
Silver	107-1	0.01	0.01	0.01	0.01	23.79	ppb
Silver	109-1	0.01	0.01	0.01	0.01	1.20	ppb
Sodium	23-2	63278.36	64957.03	63537.53	63924.31	1.41	ppb
Strontium	86-1	3276.45	3260.02	3269.38	3268.62	0.25	ppb
Strontium	88-1	3368.97	3348.16	3394.23	3370.45	0.68	ppb
Sulfur	34-1	22419.20	22644.75	22341.14	22468.36	0.70	ppb
Terbium	159-1				111		%
Terbium	159-2				107		%
Thallium	203-1	0.03	0.03	0.03	0.03	8.20	ppb
Thallium	205-1	0.03	0.03	0.03	0.03	7.84	ppb
Tin	118-1	0.05	0.05	0.06	0.05	7.32	ppb
Titanium	47-1	0.39	0.40	0.37	0.39	3.82	ppb

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-05	Instrumnet Name :	P7
Client Sample ID :	E29T4	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:14:04	DataFile Name :	035SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.30	1.27	1.27	1.28	1.33	ppb
Vanadium	51-2	0.04	0.03	0.03	0.03	13.44	ppb
Yttrium	89-1				108		%
Yttrium	89-2				107		%
Zinc	66-2	-2.49	-2.31	-2.41	-2.40		ppb
Zirconium	90-1	0.24	0.22	0.23	0.23	2.63	ppb
Zirconium	91-1	0.24	0.24	0.25	0.24	3.61	ppb

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-06	Instrumnet Name :	P7
Client Sample ID :	E29W0	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:17:12	DataFile Name :	036SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.34	0.63	0.71	0.56	34.84	ppb
Antimony	121-1	0.00	0.01	0.00	0.00	94.28	ppb
Arsenic	75-2	0.00	0.00	0.00	0.00		ppb
Barium	135-1	0.02	0.23	0.00	0.08	150.92	ppb
Barium	137-1	0.03	0.10	0.00	0.04	118.42	ppb
Beryllium	9-1	0.01	0.01	0.00	0.00	176.83	ppb
Bismuth	209-1				114		%
Bismuth	209-2				108		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.01	0.01	0.02	0.01	54.22	ppb
Cadmium	106-1	-0.10	-0.89	-1.36	-0.78		ppb
Cadmium	111-1	0.00	-0.05	-0.10	-0.05		ppb
Calcium	43-1	5.49	-1.35	-14.70	-3.52		ppb
Calcium	44-1	1.21	-4.61	-13.34	-5.58		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.15	-0.14	-0.13	-0.14		ppb
Cobalt	59-2	-0.01	-0.01	-0.01	-0.01		ppb
Copper	63-2	0.14	0.12	0.13	0.13	10.18	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				112		%
Holmium	165-2				107		%
Indium	115-1				108		%
Indium	115-2				104		%
Iron	56-2	0.56	0.52	0.86	0.65	28.68	ppb
Iron	57-2	-0.02	0.06	0.60	0.21	158.55	ppb
Iron	54-2	-0.91	-0.38	0.19	-0.37		ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-06	Instrumnet Name :	P7
Client Sample ID :	E29W0	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:17:12	DataFile Name :	036SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.00	0.00	0.00	0.00		ppb
Lead	207-1	-0.01	0.00	0.00	-0.01		ppb
Lead	208-1	0.00	0.00	0.00	0.00		ppb
Lithium	6-1				102		%
Magnesium	24-2	2.75	2.30	2.49	2.51	8.90	ppb
Manganese	55-2	0.45	0.42	0.56	0.48	15.90	ppb
Molybdenum	94-1	-0.03	-0.03	-0.04	-0.03		ppb
Molybdenum	95-1	0.00	0.00	0.00	0.00		ppb
Molybdenum	96-1	-0.01	0.00	0.00	0.00		ppb
Molybdenum	97-1	0.00	0.00	0.00	0.00		ppb
Molybdenum	98-1	0.00	0.00	0.00	0.00		ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.06	-0.06	-0.07	-0.06		ppb
Phosphorus	31-2	-17.27	-19.20	-16.31	-17.60		ppb
Potassium	39-2	6.73	5.26	11.03	7.67	39.05	ppb
Rhodium	103-1				107		%
Rhodium	103-2				105		%
Scandium	45-1				104		%
Scandium	45-2				99		%
Selenium	82-1	0.23	-0.18	-0.07	-0.01		ppb
Selenium	77-2	0.09	0.00	0.00	0.03	173.21	ppb
Selenium	78-2	0.68	0.81	0.29	0.59	45.13	ppb
Silicon	28-1	-3.77	-3.96	-4.02	-3.92		ppb
Silver	107-1	0.00	0.01	0.00	0.00	32.48	ppb
Silver	109-1	0.00	0.01	0.00	0.01	59.44	ppb
Sodium	23-2	14.98	12.83	17.76	15.19	16.29	ppb
Strontium	86-1	0.29	0.14	0.10	0.18	57.93	ppb
Strontium	88-1	0.56	0.25	0.15	0.32	65.26	ppb
Sulfur	34-1	-161.71	-176.80	-186.65	-175.05		ppb
Terbium	159-1				110		%
Terbium	159-2				105		%
Thallium	203-1	0.01	0.01	0.01	0.01	29.69	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	12.31	ppb
Tin	118-1	-0.10	-0.10	-0.11	-0.11		ppb
Titanium	47-1	0.01	0.01	0.00	0.01	52.95	ppb

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Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-06	Instrumnet Name :	P7
Client Sample ID :	E29W0	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:17:12	DataFile Name :	036SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	38.76	ppb
Vanadium	51-2	0.01	0.00	0.01	0.01	38.97	ppb
Yttrium	89-1				107		%
Yttrium	89-2				104		%
Zinc	66-2	-1.04	-1.27	-0.58	-0.96		ppb
Zirconium	90-1	-0.02	-0.02	-0.02	-0.02		ppb
Zirconium	91-1	-0.02	-0.02	-0.02	-0.02		ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-07	Instrumnet Name :	P7
Client Sample ID :	E29W4	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:20:29	DataFile Name :	037SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1.35	1.46	1.28	1.36	6.63	ppb
Antimony	121-1	0.00	0.00	0.00	0.00	20.24	ppb
Arsenic	75-2	0.01	0.00	0.00	0.00	147.03	ppb
Barium	135-1	0.02	0.02	0.01	0.02	7.98	ppb
Barium	137-1	0.01	0.02	0.01	0.01	19.79	ppb
Beryllium	9-1	0.02	0.00	0.01	0.01	56.40	ppb
Bismuth	209-1				108		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.01	0.00	0.04	0.01	248.45	ppb
Cadmium	106-1	-0.61	-0.86	-1.08	-0.85		ppb
Cadmium	111-1	-0.04	-0.06	-0.08	-0.06		ppb
Calcium	43-1	-0.90	-3.07	-9.19	-4.39		ppb
Calcium	44-1	-3.55	-3.09	-3.91	-3.52		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.22	0.18	0.21	0.21	9.58	ppb
Cobalt	59-2	-0.01	-0.01	-0.01	-0.01		ppb
Copper	63-2	0.06	0.08	0.07	0.07	9.48	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				105		%
Indium	115-1				102		%
Indium	115-2				103		%
Iron	56-2	1.30	1.24	1.23	1.25	2.99	ppb
Iron	57-2	1.15	0.97	0.99	1.04	9.78	ppb
Iron	54-2	1.64	0.90	1.42	1.32	29.02	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-07	Instrumnet Name :	P7
Client Sample ID :	E29W4	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:20:29	DataFile Name :	037SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.01	0.01	0.01	0.01	15.44	ppb
Lead	207-1	0.02	0.01	0.02	0.02	35.43	ppb
Lead	208-1	0.01	0.01	0.02	0.01	23.64	ppb
Lithium	6-1				101		%
Magnesium	24-2	0.62	0.56	0.32	0.50	31.95	ppb
Manganese	55-2	0.86	0.88	0.83	0.86	2.80	ppb
Molybdenum	94-1	0.06	0.05	0.06	0.06	8.76	ppb
Molybdenum	95-1	0.00	0.00	0.00	0.00	281.92	ppb
Molybdenum	96-1	0.01	0.00	0.01	0.01	26.77	ppb
Molybdenum	97-1	0.00	0.00	0.00	0.00	3.64	ppb
Molybdenum	98-1	0.00	0.00	0.00	0.00	132.54	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.06	0.06	0.06	0.06	4.85	ppb
Phosphorus	31-2	-14.35	-17.41	-17.74	-16.50		ppb
Potassium	39-2	8.02	6.59	6.13	6.91	14.29	ppb
Rhodium	103-1				102		%
Rhodium	103-2				103		%
Scandium	45-1				98		%
Scandium	45-2				97		%
Selenium	82-1	0.21	-0.04	-0.08	0.03	526.35	ppb
Selenium	77-2	0.00	0.09	0.00	0.03	173.21	ppb
Selenium	78-2	-0.29	0.35	0.09	0.05	668.80	ppb
Silicon	28-1	-2.50	-2.37	-2.47	-2.45		ppb
Silver	107-1	0.00	0.00	0.00	0.00	28.60	ppb
Silver	109-1	0.00	0.00	0.00	0.00	15.76	ppb
Sodium	23-2	13.16	12.48	11.98	12.54	4.73	ppb
Strontium	86-1	0.43	0.41	0.00	0.28	87.49	ppb
Strontium	88-1	0.25	0.15	0.20	0.20	24.74	ppb
Sulfur	34-1	-0.69	-77.59	-117.13	-65.14		ppb
Terbium	159-1				104		%
Terbium	159-2				104		%
Thallium	203-1	0.01	0.00	0.01	0.01	31.03	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	26.93	ppb
Tin	118-1	-0.01	-0.01	-0.01	-0.01		ppb
Titanium	47-1	0.00	0.01	0.02	0.01	72.82	ppb

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-07	Instrumnet Name :	P7
Client Sample ID :	E29W4	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:20:29	DataFile Name :	037SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	47.71	ppb
Vanadium	51-2	0.01	0.01	0.01	0.01	5.51	ppb
Yttrium	89-1				101		%
Yttrium	89-2				102		%
Zinc	66-2	0.10	0.07	0.05	0.07	31.22	ppb
Zirconium	90-1	0.03	0.03	0.03	0.03	7.12	ppb
Zirconium	91-1	0.02	0.04	0.03	0.03	20.41	ppb

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-08	Instrumnet Name :	P7
Client Sample ID :	E29W1	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:23:43	DataFile Name :	038SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4.81	4.47	4.77	4.68	4.07	ppb
Antimony	121-1	0.00	0.00	0.00	0.00	18.97	ppb
Arsenic	75-2	-0.01	0.00	0.00	0.00		ppb
Barium	135-1	0.01	0.00	-0.01	0.00		ppb
Barium	137-1	0.00	0.00	-0.01	0.00		ppb
Beryllium	9-1	0.01	0.02	0.01	0.01	39.12	ppb
Bismuth	209-1				111		%
Bismuth	209-2				108		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.01	0.01	0.01	0.01	160.69	ppb
Cadmium	106-1	-1.26	-1.06	-1.43	-1.25		ppb
Cadmium	111-1	-0.09	-0.07	-0.10	-0.09		ppb
Calcium	43-1	-21.50	-20.77	-14.57	-18.95		ppb
Calcium	44-1	-22.13	-21.84	-20.59	-21.52		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.13	-0.12	-0.13	-0.13		ppb
Cobalt	59-2	0.01	0.02	0.01	0.01	39.13	ppb
Copper	63-2	0.07	0.05	0.05	0.06	19.86	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				108		%
Holmium	165-2				107		%
Indium	115-1				105		%
Indium	115-2				104		%
Iron	56-2	-0.01	-0.06	-0.11	-0.06		ppb
Iron	57-2	-0.77	-0.74	-0.79	-0.77		ppb
Iron	54-2	-0.84	-1.22	-1.41	-1.16		ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-08	Instrumnet Name :	P7
Client Sample ID :	E29W1	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:23:43	DataFile Name :	038SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	-0.01	-0.01	-0.01	-0.01		ppb
Lead	207-1	0.00	0.00	-0.01	0.00		ppb
Lead	208-1	-0.01	-0.01	-0.01	-0.01		ppb
Lithium	6-1				103		%
Magnesium	24-2	-0.41	-0.17	0.11	-0.15		ppb
Manganese	55-2	0.14	0.07	0.04	0.09	55.74	ppb
Molybdenum	94-1	-0.03	-0.02	-0.03	-0.02		ppb
Molybdenum	95-1	0.00	0.00	0.00	0.00		ppb
Molybdenum	96-1	0.00	-0.01	0.00	0.00		ppb
Molybdenum	97-1	0.00	0.00	0.00	0.00		ppb
Molybdenum	98-1	0.00	0.00	0.00	0.00		ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.04	-0.04	-0.04	-0.04		ppb
Phosphorus	31-2	-17.76	-19.38	-19.94	-19.02		ppb
Potassium	39-2	2.11	1.06	1.34	1.50	36.32	ppb
Rhodium	103-1				104		%
Rhodium	103-2				105		%
Scandium	45-1				100		%
Scandium	45-2				101		%
Selenium	82-1	-0.06	-0.17	-0.09	-0.11		ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	0.82	-0.01	-0.44	0.12	518.24	ppb
Silicon	28-1	-3.31	-3.80	-3.19	-3.44		ppb
Silver	107-1	0.00	0.00	0.00	0.00	64.26	ppb
Silver	109-1	0.00	0.00	0.00	0.00	26.34	ppb
Sodium	23-2	2.09	1.47	0.96	1.51	37.56	ppb
Strontium	86-1	-0.25	-0.13	-0.03	-0.14		ppb
Strontium	88-1	-0.08	-0.09	-0.03	-0.07		ppb
Sulfur	34-1	-192.00	-225.46	-160.98	-192.81		ppb
Terbium	159-1				108		%
Terbium	159-2				105		%
Thallium	203-1	0.00	0.00	0.00	0.00	98.46	ppb
Thallium	205-1	0.00	0.00	0.00	0.00	16.32	ppb
Tin	118-1	-0.09	-0.10	-0.08	-0.09		ppb
Titanium	47-1	0.03	0.02	0.01	0.02	64.41	ppb

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-08	Instrumnet Name :	P7
Client Sample ID :	E29W1	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:23:43	DataFile Name :	038SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00		ppb
Vanadium	51-2	0.01	0.00	0.01	0.01	49.31	ppb
Yttrium	89-1				104		%
Yttrium	89-2				104		%
Zinc	66-2	-1.05	-1.06	-1.07	-1.06		ppb
Zirconium	90-1	-0.01	-0.01	-0.01	-0.01		ppb
Zirconium	91-1	-0.01	-0.01	-0.01	-0.01		ppb

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-09	Instrumnet Name :	P7
Client Sample ID :	E29W5	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:26:59	DataFile Name :	039SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	8.22	8.33	8.26	8.27	0.64	ppb
Antimony	121-1	0.00	0.00	0.00	0.00	77.21	ppb
Arsenic	75-2	0.00	0.00	0.00	0.00		ppb
Barium	135-1	0.02	0.02	0.03	0.02	27.92	ppb
Barium	137-1	0.02	0.02	0.02	0.02	11.72	ppb
Beryllium	9-1	0.01	0.00	0.00	0.00	124.39	ppb
Bismuth	209-1				109		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.01	0.00	-0.01	0.00		ppb
Cadmium	106-1	-0.64	-1.57	-1.51	-1.24		ppb
Cadmium	111-1	-0.04	-0.11	-0.11	-0.09		ppb
Calcium	43-1	-19.29	-17.34	-11.68	-16.11		ppb
Calcium	44-1	-16.10	-15.47	-15.54	-15.70		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.08	-0.04	-0.07	-0.06		ppb
Cobalt	59-2	-0.01	-0.01	-0.01	-0.01		ppb
Copper	63-2	0.14	0.14	0.14	0.14	1.03	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				106		%
Indium	115-1				103		%
Indium	115-2				103		%
Iron	56-2	0.28	0.29	0.40	0.32	20.56	ppb
Iron	57-2	-0.02	-0.21	-0.11	-0.11		ppb
Iron	54-2	-0.48	-0.47	-0.40	-0.45		ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-09	Instrumnet Name :	P7
Client Sample ID :	E29W5	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:26:59	DataFile Name :	039SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.00	-0.02	-0.01	-0.01		ppb
Lead	207-1	-0.02	-0.01	-0.01	-0.01		ppb
Lead	208-1	-0.01	-0.02	-0.01	-0.01		ppb
Lithium	6-1				102		%
Magnesium	24-2	0.30	0.22	0.37	0.30	23.98	ppb
Manganese	55-2	0.91	0.92	0.86	0.90	3.30	ppb
Molybdenum	94-1	-0.04	-0.02	-0.02	-0.03		ppb
Molybdenum	95-1	0.00	0.00	0.00	0.00	215.01	ppb
Molybdenum	96-1	0.00	-0.01	-0.01	-0.01		ppb
Molybdenum	97-1	0.00	0.00	0.00	0.00		ppb
Molybdenum	98-1	0.00	0.00	0.00	0.00		ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.04	-0.02	-0.03	-0.03		ppb
Phosphorus	31-2	-17.26	-15.85	-17.14	-16.75		ppb
Potassium	39-2	0.65	2.37	0.99	1.34	68.34	ppb
Rhodium	103-1				103		%
Rhodium	103-2				104		%
Scandium	45-1				99		%
Scandium	45-2				100		%
Selenium	82-1	0.09	0.08	0.12	0.10	22.18	ppb
Selenium	77-2	0.00	0.09	0.00	0.03	173.21	ppb
Selenium	78-2	0.16	-0.02	0.45	0.20	118.42	ppb
Silicon	28-1	-2.65	-2.67	-2.10	-2.47		ppb
Silver	107-1	0.00	0.00	0.00	0.00	116.09	ppb
Silver	109-1	0.00	0.00	0.00	0.00	32.98	ppb
Sodium	23-2	1.92	2.59	3.01	2.51	21.83	ppb
Strontium	86-1	-0.25	0.09	-0.17	-0.11		ppb
Strontium	88-1	-0.12	-0.04	-0.03	-0.06		ppb
Sulfur	34-1	-109.96	-147.26	-135.40	-130.87		ppb
Terbium	159-1				106		%
Terbium	159-2				105		%
Thallium	203-1	0.00	0.00	0.00	0.00		ppb
Thallium	205-1	0.00	0.00	0.00	0.00		ppb
Tin	118-1	-0.04	-0.05	-0.05	-0.05		ppb
Titanium	47-1	0.03	0.02	0.02	0.02	25.49	ppb

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-09	Instrumnet Name :	P7
Client Sample ID :	E29W5	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:26:59	DataFile Name :	039SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	117.10	ppb
Vanadium	51-2	0.01	0.01	0.01	0.01	13.49	ppb
Yttrium	89-1				102		%
Yttrium	89-2				103		%
Zinc	66-2	-0.52	-0.65	-0.59	-0.59		ppb
Zirconium	90-1	-0.02	-0.02	-0.02	-0.02		ppb
Zirconium	91-1	-0.01	-0.02	-0.02	-0.02		ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-10	Instrumnet Name :	P7
Client Sample ID :	E29R6	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:30:14	DataFile Name :	040SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	11.24	9.01	8.36	9.54	15.82	ppb
Antimony	121-1	0.01	0.01	0.01	0.01	6.26	ppb
Arsenic	75-2	0.58	0.42	0.47	0.49	16.88	ppb
Barium	135-1	58.13	58.29	58.32	58.25	0.18	ppb
Barium	137-1	59.02	59.43	58.77	59.07	0.57	ppb
Beryllium	9-1	0.00	0.00	0.01	0.00	154.93	ppb
Bismuth	209-1				110		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.03	0.10	0.06	0.06	48.75	ppb
Cadmium	106-1	-0.81	-1.13	-1.90	-1.28		ppb
Cadmium	111-1	-0.06	-0.08	-0.14	-0.09		ppb
Calcium	43-1	96980.36	99127.28	95966.27	97357.97	1.66	ppb
Calcium	44-1	96311.20	97554.82	95032.01	96299.34	1.31	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.09	-0.09	-0.12	-0.10		ppb
Cobalt	59-2	0.63	0.62	0.59	0.61	3.27	ppb
Copper	63-2	0.11	0.08	0.09	0.09	17.72	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				110		%
Holmium	165-2				106		%
Indium	115-1				105		%
Indium	115-2				102		%
Iron	56-2	244.53	237.25	227.14	236.31	3.70	ppb
Iron	57-2	694.62	665.59	666.17	675.46	2.46	ppb
Iron	54-2	242.94	230.93	225.81	233.23	3.77	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-10	Instrumnet Name :	P7
Client Sample ID :	E29R6	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:30:14	DataFile Name :	040SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	-0.01	-0.01	-0.01	-0.01		ppb
Lead	207-1	-0.01	-0.03	0.00	-0.01		ppb
Lead	208-1	-0.01	-0.02	-0.01	-0.01		ppb
Lithium	6-1				105		%
Magnesium	24-2	44508.95	42688.93	41551.64	42916.51	3.48	ppb
Manganese	55-2	407.50	388.24	381.13	392.29	3.48	ppb
Molybdenum	94-1	5.57	5.50	5.57	5.55	0.71	ppb
Molybdenum	95-1	6.69	6.68	6.50	6.62	1.63	ppb
Molybdenum	96-1	6.51	6.48	6.49	6.49	0.20	ppb
Molybdenum	97-1	6.72	6.72	6.54	6.66	1.55	ppb
Molybdenum	98-1	6.69	6.66	6.65	6.67	0.33	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.46	0.48	0.44	0.46	4.27	ppb
Phosphorus	31-2	-12.88	-13.96	-12.47	-13.10		ppb
Potassium	39-2	1559.82	1519.82	1485.78	1521.81	2.44	ppb
Rhodium	103-1				102		%
Rhodium	103-2				100		%
Scandium	45-1				102		%
Scandium	45-2				99		%
Selenium	82-1	0.28	0.12	0.04	0.15	81.07	ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	1.16	-0.06	-0.16	0.31	236.67	ppb
Silicon	28-1	1546.26	1580.73	1529.74	1552.24	1.68	ppb
Silver	107-1	0.00	0.00	0.00	0.00	167.07	ppb
Silver	109-1	0.00	0.00	0.00	0.00	19.79	ppb
Sodium	23-2	16605.52	15820.77	15564.56	15996.95	3.39	ppb
Strontium	86-1	72860.38	72324.07	72084.35	72422.94	0.55	ppb
Strontium	88-1	72360.01	72439.13	72360.02	72386.39	0.06	ppb
Sulfur	34-1	14105.75	14024.85	13627.70	13919.44	1.84	ppb
Terbium	159-1				110		%
Terbium	159-2				105		%
Thallium	203-1	0.02	0.02	0.01	0.02	18.02	ppb
Thallium	205-1	0.02	0.02	0.02	0.02	11.16	ppb
Tin	118-1	-0.08	-0.09	-0.08	-0.08		ppb
Titanium	47-1	0.28	0.28	0.29	0.28	3.47	ppb

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Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-10	Instrumnet Name :	P7
Client Sample ID :	E29R6	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:30:14	DataFile Name :	040SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.47	1.45	1.48	1.47	1.11	ppb
Vanadium	51-2	0.03	0.02	0.02	0.02	13.90	ppb
Yttrium	89-1				107		%
Yttrium	89-2				101		%
Zinc	66-2	-1.91	-2.30	-2.36	-2.19		ppb
Zirconium	90-1	0.01	0.01	0.02	0.01	22.90	ppb
Zirconium	91-1	0.02	0.02	0.02	0.02	12.26	ppb

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Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-11	Instrumnet Name :	P7
Client Sample ID :	E29S0	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:33:25	DataFile Name :	041SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2.73	2.61	2.84	2.73	4.20	ppb
Antimony	121-1	0.04	0.04	0.05	0.04	11.72	ppb
Arsenic	75-2	0.53	0.53	0.53	0.53	0.33	ppb
Barium	135-1	190.45	196.50	193.66	193.54	1.56	ppb
Barium	137-1	196.49	204.63	203.88	201.67	2.23	ppb
Beryllium	9-1	0.00	0.01	0.00	0.00	156.60	ppb
Bismuth	209-1				110		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.04	0.02	0.02	0.03	40.48	ppb
Cadmium	106-1	-1.07	-0.63	-1.57	-1.09		ppb
Cadmium	111-1	-0.07	-0.04	-0.11	-0.07		ppb
Calcium	43-1	100894.22	99681.85	101584.70	100720.26	0.96	ppb
Calcium	44-1	100397.22	100015.90	99914.12	100109.08	0.25	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.05	0.05	0.02	0.04	49.25	ppb
Cobalt	59-2	0.24	0.22	0.22	0.23	4.58	ppb
Copper	63-2	0.64	0.60	0.59	0.61	3.80	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				111		%
Holmium	165-2				108		%
Indium	115-1				105		%
Indium	115-2				105		%
Iron	56-2	128.47	122.50	124.97	125.31	2.40	ppb
Iron	57-2	588.32	564.92	591.02	581.42	2.47	ppb
Iron	54-2	125.39	119.07	123.42	122.63	2.64	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-11	Instrumnet Name :	P7
Client Sample ID :	E29S0	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:33:25	DataFile Name :	041SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.03	0.03	0.02	0.02	19.90	ppb
Lead	207-1	0.02	0.04	0.03	0.03	25.07	ppb
Lead	208-1	0.02	0.02	0.02	0.02	3.01	ppb
Lithium	6-1				104		%
Magnesium	24-2	39127.16	37622.46	38127.41	38292.35	2.00	ppb
Manganese	55-2	121.32	115.31	118.86	118.50	2.55	ppb
Molybdenum	94-1	2.45	2.50	2.39	2.44	2.28	ppb
Molybdenum	95-1	2.87	2.90	2.87	2.88	0.58	ppb
Molybdenum	96-1	2.89	2.81	2.85	2.85	1.39	ppb
Molybdenum	97-1	2.94	2.93	2.91	2.93	0.51	ppb
Molybdenum	98-1	2.96	2.93	2.91	2.93	0.86	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.14	1.14	1.10	1.13	2.27	ppb
Phosphorus	31-2	-13.35	-11.47	-13.80	-12.87		ppb
Potassium	39-2	1749.95	1725.74	1742.48	1739.39	0.71	ppb
Rhodium	103-1				103		%
Rhodium	103-2				103		%
Scandium	45-1				102		%
Scandium	45-2				101		%
Selenium	82-1	0.99	1.04	0.83	0.95	11.68	ppb
Selenium	77-2	0.80	0.72	1.16	0.89	26.33	ppb
Selenium	78-2	1.32	0.29	0.57	0.73	73.29	ppb
Silicon	28-1	1186.58	1194.71	1195.31	1192.20	0.41	ppb
Silver	107-1	0.00	0.00	0.00	0.00	57.66	ppb
Silver	109-1	0.00	0.00	0.00	0.00	131.92	ppb
Sodium	23-2	16749.89	16067.18	16105.84	16307.64	2.35	ppb
Strontium	86-1	6337.05	6265.57	6405.14	6335.92	1.10	ppb
Strontium	88-1	6317.46	6294.87	6266.52	6292.95	0.41	ppb
Sulfur	34-1	9422.35	9409.99	9261.56	9364.63	0.96	ppb
Terbium	159-1				109		%
Terbium	159-2				107		%
Thallium	203-1	0.03	0.03	0.03	0.03	3.08	ppb
Thallium	205-1	0.03	0.03	0.03	0.03	6.59	ppb
Tin	118-1	-0.02	0.02	0.00	0.00		ppb
Titanium	47-1	0.23	0.21	0.26	0.24	10.36	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-11	Instrumnet Name :	P7
Client Sample ID :	E29S0	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:33:25	DataFile Name :	041SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.36	1.38	1.40	1.38	1.24	ppb
Vanadium	51-2	0.05	0.05	0.06	0.05	10.48	ppb
Yttrium	89-1				106		%
Yttrium	89-2				106		%
Zinc	66-2	-1.97	-2.13	-2.26	-2.12		ppb
Zirconium	90-1	0.04	0.03	0.03	0.03	12.41	ppb
Zirconium	91-1	0.03	0.04	0.03	0.03	11.23	ppb

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-12	Instrumnet Name :	P7
Client Sample ID :	E29S2	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:36:33	DataFile Name :	042SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2.92	2.89	2.71	2.84	3.93	ppb
Antimony	121-1	0.00	0.00	0.00	0.00	16.38	ppb
Arsenic	75-2	0.39	0.46	0.42	0.42	8.38	ppb
Barium	135-1	56.31	58.15	57.88	57.44	1.73	ppb
Barium	137-1	57.56	58.66	58.27	58.16	0.95	ppb
Beryllium	9-1	0.00	0.01	0.00	0.00	165.68	ppb
Bismuth	209-1				111		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.02	0.01	0.02	0.02	20.19	ppb
Cadmium	106-1	-0.73	-1.10	-1.25	-1.03		ppb
Cadmium	111-1	-0.05	-0.08	-0.09	-0.07		ppb
Calcium	43-1	92216.82	96702.74	95641.01	94853.52	2.47	ppb
Calcium	44-1	92840.26	95185.85	93647.65	93891.25	1.27	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.13	-0.15	-0.14	-0.14		ppb
Cobalt	59-2	0.60	0.61	0.58	0.60	2.84	ppb
Copper	63-2	0.12	0.10	0.12	0.11	6.98	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				111		%
Holmium	165-2				109		%
Indium	115-1				107		%
Indium	115-2				105		%
Iron	56-2	229.34	226.26	224.96	226.85	0.99	ppb
Iron	57-2	658.63	654.29	661.24	658.05	0.53	ppb
Iron	54-2	219.71	220.24	218.35	219.43	0.44	ppb
Krypton	83-1						cps

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Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-12	Instrumnet Name :	P7
Client Sample ID :	E29S2	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:36:33	DataFile Name :	042SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.00	0.00	-0.01	0.00		ppb
Lead	207-1	-0.01	-0.01	0.00	-0.01		ppb
Lead	208-1	-0.01	-0.01	-0.01	-0.01		ppb
Lithium	6-1				105		%
Magnesium	24-2	40775.31	41360.05	41200.24	41111.87	0.74	ppb
Manganese	55-2	384.94	377.24	377.78	379.99	1.13	ppb
Molybdenum	94-1	5.37	5.32	5.37	5.35	0.52	ppb
Molybdenum	95-1	6.36	6.48	6.55	6.47	1.51	ppb
Molybdenum	96-1	6.22	6.33	6.45	6.33	1.75	ppb
Molybdenum	97-1	6.42	6.57	6.53	6.51	1.20	ppb
Molybdenum	98-1	6.44	6.61	6.66	6.57	1.80	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.49	0.47	0.51	0.49	4.32	ppb
Phosphorus	31-2	-13.99	-13.07	-13.20	-13.42		ppb
Potassium	39-2	1461.70	1460.99	1423.27	1448.65	1.52	ppb
Rhodium	103-1				102		%
Rhodium	103-2				104		%
Scandium	45-1				103		%
Scandium	45-2				101		%
Selenium	82-1	0.14	0.17	-0.07	0.08	170.69	ppb
Selenium	77-2	0.09	0.00	0.00	0.03	173.21	ppb
Selenium	78-2	-0.26	0.66	-0.42	0.00		ppb
Silicon	28-1	1509.44	1541.29	1508.99	1519.91	1.22	ppb
Silver	107-1	0.00	0.00	0.00	0.00	63.37	ppb
Silver	109-1	0.00	0.00	0.00	0.00	25.18	ppb
Sodium	23-2	15328.33	15598.05	15417.79	15448.05	0.89	ppb
Strontium	86-1	69459.21	71497.51	71772.63	70909.79	1.78	ppb
Strontium	88-1	70249.40	70819.84	71436.86	70835.37	0.84	ppb
Sulfur	34-1	13816.91	14311.71	14075.24	14067.95	1.76	ppb
Terbium	159-1				110		%
Terbium	159-2				108		%
Thallium	203-1	0.02	0.02	0.02	0.02	16.27	ppb
Thallium	205-1	0.02	0.02	0.02	0.02	5.93	ppb
Tin	118-1	-0.10	-0.07	-0.07	-0.08		ppb
Titanium	47-1	0.28	0.29	0.31	0.29	6.16	ppb

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Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-12	Instrumnet Name :	P7
Client Sample ID :	E29S2	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:36:33	DataFile Name :	042SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.41	1.43	1.43	1.42	0.99	ppb
Vanadium	51-2	0.02	0.02	0.02	0.02	7.65	ppb
Yttrium	89-1				108		%
Yttrium	89-2				105		%
Zinc	66-2	-2.58	-2.92	-2.74	-2.75		ppb
Zirconium	90-1	0.00	0.00	0.00	0.00	50.45	ppb
Zirconium	91-1	0.00	0.00	0.00	0.00	80.79	ppb

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Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-13	Instrumnet Name :	P7
Client Sample ID :	E29S6	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:39:43	DataFile Name :	043SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	752.63	757.94	771.78	760.79	1.30	ppb
Antimony	121-1	1.06	1.07	1.10	1.08	1.95	ppb
Arsenic	75-2	5.25	5.19	5.37	5.27	1.71	ppb
Barium	135-1	140.89	144.72	146.17	143.93	1.89	ppb
Barium	137-1	146.64	151.89	150.13	149.55	1.79	ppb
Beryllium	9-1	0.04	0.04	0.04	0.04	4.16	ppb
Bismuth	209-1				111		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.16	0.12	0.14	0.14	15.91	ppb
Cadmium	106-1	-0.78	-0.62	-1.24	-0.88		ppb
Cadmium	111-1	-0.04	-0.02	-0.06	-0.04		ppb
Calcium	43-1	113156.51	117450.04	114736.53	115114.36	1.89	ppb
Calcium	44-1	111478.96	118210.04	115415.39	115034.80	2.94	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.95	1.93	2.03	1.97	2.64	ppb
Cobalt	59-2	2.01	2.10	2.11	2.07	2.52	ppb
Copper	63-2	3.60	3.66	3.69	3.65	1.15	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				112		%
Holmium	165-2				108		%
Indium	115-1				106		%
Indium	115-2				104		%
Iron	56-2	3221.85	3226.27	3297.31	3248.48	1.30	ppb
Iron	57-2	3697.11	3755.41	3800.70	3751.07	1.38	ppb
Iron	54-2	3190.34	3295.07	3244.79	3243.40	1.61	ppb
Krypton	83-1						cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-13	Instrumnet Name :	P7
Client Sample ID :	E29S6	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:39:43	DataFile Name :	043SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1.15	1.21	1.20	1.19	2.67	ppb
Lead	207-1	1.05	1.11	1.09	1.09	2.69	ppb
Lead	208-1	1.09	1.13	1.13	1.12	2.40	ppb
Lithium	6-1				104		%
Magnesium	24-2	47912.28	48053.48	48261.33	48075.70	0.37	ppb
Manganese	55-2	344.02	340.90	345.45	343.46	0.68	ppb
Molybdenum	94-1	11.84	12.49	12.40	12.24	2.85	ppb
Molybdenum	95-1	12.82	13.24	13.27	13.11	1.91	ppb
Molybdenum	96-1	12.57	13.13	13.24	12.98	2.76	ppb
Molybdenum	97-1	12.71	13.36	13.45	13.17	3.06	ppb
Molybdenum	98-1	12.96	13.56	13.36	13.29	2.27	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	4.83	4.84	5.10	4.92	3.10	ppb
Phosphorus	31-2	46.80	51.94	49.46	49.40	5.20	ppb
Potassium	39-2	2248.21	2310.40	2345.16	2301.25	2.13	ppb
Rhodium	103-1				101		%
Rhodium	103-2				102		%
Scandium	45-1				104		%
Scandium	45-2				100		%
Selenium	82-1	0.12	0.26	0.13	0.17	45.04	ppb
Selenium	77-2	0.27	0.91	0.46	0.54	59.87	ppb
Selenium	78-2	0.56	0.37	0.05	0.33	79.82	ppb
Silicon	28-1	1803.57	1931.53	1883.86	1872.99	3.45	ppb
Silver	107-1	0.00	0.00	0.01	0.00	7.67	ppb
Silver	109-1	0.01	0.00	0.00	0.00	16.05	ppb
Sodium	23-2	14658.46	14764.81	14874.42	14765.89	0.73	ppb
Strontium	86-1	5866.14	6036.10	6079.24	5993.83	1.88	ppb
Strontium	88-1	5910.52	6076.75	6077.28	6021.52	1.60	ppb
Sulfur	34-1	24844.10	26552.81	25826.03	25740.98	3.33	ppb
Terbium	159-1				111		%
Terbium	159-2				107		%
Thallium	203-1	0.06	0.05	0.05	0.05	3.65	ppb
Thallium	205-1	0.05	0.06	0.05	0.05	1.88	ppb
Tin	118-1	0.03	0.05	0.04	0.04	22.88	ppb
Titanium	47-1	19.23	18.80	18.92	18.98	1.16	ppb

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-13	Instrumnet Name :	P7
Client Sample ID :	E29S6	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:39:43	DataFile Name :	043SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.12	1.14	1.16	1.14	1.63	ppb
Vanadium	51-2	1.67	1.83	1.79	1.76	4.90	ppb
Yttrium	89-1				106		%
Yttrium	89-2				104		%
Zinc	66-2	2.94	2.76	3.04	2.91	4.93	ppb
Zirconium	90-1	0.77	0.80	0.78	0.78	1.98	ppb
Zirconium	91-1	0.78	0.78	0.83	0.80	3.52	ppb

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Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	CCV005	Instrumnet Name :	P7
Client Sample ID :	CCV005	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:42:51	DataFile Name :	044CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	50693.67	49597.89	49407.60	49899.72	1.39	ppb
Antimony	121-1	495.23	501.37	507.70	501.43	1.24	ppb
Arsenic	75-2	521.42	524.68	519.49	521.86	0.50	ppb
Barium	135-1	2480.35	2495.82	2512.75	2496.31	0.65	ppb
Barium	137-1	2449.56	2498.01	2533.08	2493.55	1.68	ppb
Beryllium	9-1	496.66	508.64	519.96	508.42	2.29	ppb
Bismuth	209-1				104		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	504.19	505.56	513.85	507.87	1.03	ppb
Cadmium	106-1	497.27	504.25	508.81	503.44	1.15	ppb
Cadmium	111-1	505.15	507.28	512.19	508.20	0.71	ppb
Calcium	43-1	243809.84	243997.66	249017.12	245608.21	1.20	ppb
Calcium	44-1	246603.21	243736.17	251679.26	247339.55	1.63	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	524.84	505.75	497.40	509.33	2.76	ppb
Cobalt	59-2	530.98	519.07	505.60	518.55	2.45	ppb
Copper	63-2	5264.64	5093.76	5020.17	5126.19	2.45	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				110		%
Holmium	165-2				106		%
Indium	115-1				100		%
Indium	115-2				99		%
Iron	56-2	130115.64	126535.94	124587.04	127079.54	2.21	ppb
Iron	57-2	129213.16	125404.39	124630.88	126416.14	1.94	ppb
Iron	54-2	128826.85	125188.72	122668.96	125561.51	2.47	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	CCV005	Instrumnet Name :	P7
Client Sample ID :	CCV005	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:42:51	DataFile Name :	044CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2538.67	2598.59	2599.90	2579.05	1.36	ppb
Lead	207-1	2520.66	2594.49	2588.64	2567.93	1.60	ppb
Lead	208-1	2516.66	2584.99	2581.81	2561.15	1.51	ppb
Lithium	6-1				98		%
Magnesium	24-2	257174.11	244754.35	242045.84	247991.43	3.25	ppb
Manganese	55-2	5203.65	5061.46	4998.42	5087.84	2.07	ppb
Molybdenum	94-1	4945.66	5055.98	5052.51	5018.05	1.25	ppb
Molybdenum	95-1	4958.57	5064.61	5047.28	5023.49	1.13	ppb
Molybdenum	96-1	4957.64	5055.58	5085.99	5033.07	1.33	ppb
Molybdenum	97-1	4948.97	5046.94	5092.14	5029.35	1.46	ppb
Molybdenum	98-1	4991.00	5050.53	5110.14	5050.56	1.18	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	522.70	500.73	509.00	510.81	2.17	ppb
Phosphorus	31-2	10317.49	9954.24	9893.99	10055.24	2.28	ppb
Potassium	39-2	125660.24	122262.04	120921.02	122947.77	1.99	ppb
Rhodium	103-1				95		%
Rhodium	103-2				96		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	82-1	496.89	508.69	507.74	504.44	1.30	ppb
Selenium	77-2	500.92	497.13	506.48	501.51	0.94	ppb
Selenium	78-2	508.53	515.32	506.12	509.99	0.94	ppb
Silicon	28-1	393.13	395.10	405.91	398.05	1.73	ppb
Silver	107-1	498.81	502.58	507.99	503.12	0.92	ppb
Silver	109-1	500.64	497.69	507.50	501.95	1.00	ppb
Sodium	23-2	261556.31	253829.10	247950.43	254445.28	2.68	ppb
Strontium	86-1	12379.50	12555.54	12963.15	12632.73	2.37	ppb
Strontium	88-1	12488.91	12700.80	12766.16	12651.96	1.15	ppb
Sulfur	34-1	10440.62	10321.73	10443.98	10402.11	0.67	ppb
Terbium	159-1				109		%
Terbium	159-2				104		%
Thallium	203-1	498.77	510.88	517.49	509.05	1.87	ppb
Thallium	205-1	510.82	514.51	521.43	515.59	1.04	ppb
Tin	118-1	486.19	495.77	496.07	492.68	1.14	ppb
Titanium	47-1	4916.15	4975.58	5035.73	4975.82	1.20	ppb

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	CCV005	Instrumnet Name :	P7
Client Sample ID :	CCV005	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:42:51	DataFile Name :	044CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	505.82	515.03	526.37	515.74	2.00	ppb
Vanadium	51-2	529.85	514.28	503.24	515.79	2.59	ppb
Yttrium	89-1				103		%
Yttrium	89-2				103		%
Zinc	66-2	5268.52	5079.67	5075.21	5141.14	2.15	ppb
Zirconium	90-1	498.54	510.33	509.95	506.27	1.32	ppb
Zirconium	91-1	497.98	515.37	511.54	508.30	1.80	ppb

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	CCB005	Instrumnet Name :	P7
Client Sample ID :	CCB005	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:45:33	DataFile Name :	045CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1.32	0.52	0.39	0.74	67.63	ppb
Antimony	121-1	0.25	0.27	0.32	0.28	13.41	ppb
Arsenic	75-2	0.02	0.01	0.01	0.02	35.63	ppb
Barium	135-1	0.48	0.21	0.14	0.27	65.96	ppb
Barium	137-1	0.49	0.24	0.12	0.28	66.01	ppb
Beryllium	9-1	0.13	0.09	0.03	0.08	58.45	ppb
Bismuth	209-1				107		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.11	0.08	0.00	0.06	86.80	ppb
Cadmium	106-1	-1.24	-0.95	-1.59	-1.26		ppb
Cadmium	111-1	0.04	-0.01	-0.08	-0.02		ppb
Calcium	43-1	52.38	22.24	9.54	28.06	78.42	ppb
Calcium	44-1	46.40	22.35	10.32	26.36	69.70	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.01	0.00	0.01	0.01	125.13	ppb
Cobalt	59-2	0.00	0.00	-0.01	0.00		ppb
Copper	63-2	0.15	0.13	0.13	0.14	8.00	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				105		%
Indium	115-1				101		%
Indium	115-2				104		%
Iron	56-2	3.14	2.53	2.00	2.56	22.32	ppb
Iron	57-2	2.44	1.67	1.49	1.87	26.94	ppb
Iron	54-2	3.38	2.93	2.33	2.88	18.35	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	CCB005	Instrumnet Name :	P7
Client Sample ID :	CCB005	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:45:33	DataFile Name :	045CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.50	0.23	0.12	0.29	68.83	ppb
Lead	207-1	0.49	0.24	0.13	0.29	64.88	ppb
Lead	208-1	0.50	0.24	0.13	0.29	65.40	ppb
Lithium	6-1				100		%
Magnesium	24-2	4.88	3.95	2.90	3.91	25.42	ppb
Manganese	55-2	0.08	0.09	0.04	0.07	44.28	ppb
Molybdenum	94-1	1.23	0.74	0.58	0.85	39.94	ppb
Molybdenum	95-1	1.11	0.61	0.40	0.71	51.38	ppb
Molybdenum	96-1	1.12	0.62	0.44	0.73	47.93	ppb
Molybdenum	97-1	1.13	0.59	0.41	0.71	52.01	ppb
Molybdenum	98-1	1.11	0.61	0.44	0.72	48.62	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.03	-0.04	-0.05	-0.04		ppb
Phosphorus	31-2	-16.88	-19.99	-16.88	-17.92		ppb
Potassium	39-2	2.54	3.55	0.11	2.06	85.76	ppb
Rhodium	103-1				100		%
Rhodium	103-2				104		%
Scandium	45-1				97		%
Scandium	45-2				99		%
Selenium	82-1	0.23	0.16	0.05	0.15	59.05	ppb
Selenium	77-2	0.00	0.18	0.00	0.06	173.21	ppb
Selenium	78-2	0.34	-0.07	0.00	0.09	242.12	ppb
Silicon	28-1	-1.40	-1.56	-2.29	-1.75		ppb
Silver	107-1	0.10	0.05	0.03	0.06	60.78	ppb
Silver	109-1	0.10	0.05	0.03	0.06	60.94	ppb
Sodium	23-2	7.40	5.96	4.83	6.07	21.24	ppb
Strontium	86-1	2.62	1.01	0.11	1.25	102.11	ppb
Strontium	88-1	2.49	1.16	0.65	1.43	66.20	ppb
Sulfur	34-1	-262.54	-288.95	-304.16	-285.22		ppb
Terbium	159-1				104		%
Terbium	159-2				104		%
Thallium	203-1	0.10	0.06	0.04	0.06	52.42	ppb
Thallium	205-1	0.10	0.06	0.04	0.07	53.39	ppb
Tin	118-1	0.11	0.05	0.05	0.07	52.87	ppb
Titanium	47-1	1.04	0.53	0.28	0.62	62.39	ppb

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	CCB005	Instrumnet Name :	P7
Client Sample ID :	CCB005	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:45:33	DataFile Name :	045CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.10	0.05	0.03	0.06	61.82	ppb
Vanadium	51-2	0.01	0.01	0.01	0.01	13.22	ppb
Yttrium	89-1				100		%
Yttrium	89-2				103		%
Zinc	66-2	0.04	0.30	-0.08	0.09	219.79	ppb
Zirconium	90-1	0.20	0.15	0.14	0.16	20.32	ppb
Zirconium	91-1	0.21	0.15	0.13	0.16	25.68	ppb

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 09:21:55	DataFile Name :	004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	764	767	640	724	10.01	cps
Antimony	121-1	97	97	150	114	26.90	cps
Arsenic	75-2	20	13	3	12	68.66	cps
Barium	135-1	303	337	310	317	5.57	cps
Barium	137-1	553	507	630	563	11.05	cps
Beryllium	9-1	44	39	44	43	7.54	cps
Bismuth	209-1	17966208	18475228	18313498	18251645	1.43	cps
Bismuth	209-2	15126994	14955024	15111989	15064669	0.63	cps
Bromine	81-1	16029	15712	15939	15893	1.03	cps
Bromine	81-2	127	93	117	112	15.25	cps
Cadmium	108-1	40	20	13	24	56.78	cps
Cadmium	106-1	10187	10544	10764	10498	2.77	cps
Cadmium	111-1	7160	7393	7556	7369	2.70	cps
Calcium	43-1	7302	7495	7205	7334	2.01	cps
Calcium	44-1	136283	139561	139854	138566	1.43	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	6782	6825	6788	6798	0.34	cps
Cobalt	59-2	363	377	423	388	8.12	cps
Copper	63-2	2464	2550	2190	2401	7.83	cps
Dysprosium	156-1	97	63	80	80	20.84	cps
Dysprosium	156-2	17	23	20	20	16.65	cps
Erbium	164-1	123	113	137	124	9.41	cps
Erbium	164-2	93	127	73	98	27.56	cps
Gadolinium	160-1	157	167	133	152	11.24	cps
Gadolinium	160-2	1300	1097	1163	1187	8.74	cps
Holmium	165-1	30982237	31425680	31554965	31320961	0.96	cps
Holmium	165-2	21762606	21695810	21803326	21753914	0.25	cps
Indium	115-1	27732363	28104491	28296398	28044417	1.02	cps
Indium	115-2	9524314	9467534	9259413	9417087	1.48	cps
Iron	56-2	40485	38790	40424	39900	2.41	cps
Iron	57-2	1887	2037	1910	1945	4.15	cps
Iron	54-2	5161	5004	5274	5146	2.64	cps
Krypton	83-1	277	333	327	312	9.92	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 09:21:55	DataFile Name :	004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2384	2494	2637	2505	5.07	cps
Lead	207-1	1950	2167	2230	2116	6.94	cps
Lead	208-1	9508	9938	10152	9866	3.32	cps
Lithium	6-1	3410537	3332335	3325820	3356231	1.40	cps
Magnesium	24-2	3437	3374	3380	3397	1.02	cps
Manganese	55-2	14007	13977	14307	14097	1.30	cps
Molybdenum	94-1	840	803	937	860	8.01	cps
Molybdenum	95-1	150	137	103	130	18.49	cps
Molybdenum	96-1	350	263	353	322	15.84	cps
Molybdenum	97-1	83	93	90	89	5.73	cps
Molybdenum	98-1	233	247	217	232	6.47	cps
Neodymium	150-1	33	23	30	29	17.63	cps
Neodymium	150-2	23	13	3	13	75.02	cps
Nickel	60-2	870	787	773	810	6.47	cps
Phosphorus	31-2	480	620	443	514	18.12	cps
Potassium	39-2	76943	77878	79422	78081	1.60	cps
Rhodium	103-1	26408594	26648609	27437221	26831475	2.01	cps
Rhodium	103-2	15504446	15401649	15357296	15421131	0.49	cps
Scandium	45-1	15846821	16004815	16345411	16065682	1.59	cps
Scandium	45-2	1322749	1304288	1324272	1317103	0.84	cps
Selenium	82-1	590	525	389	501	20.41	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	430	440	397	422	5.37	cps
Silicon	28-1	1432462	1424285	1435690	1430812	0.41	cps
Silver	107-1	180	163	193	179	8.40	cps
Silver	109-1	70	73	110	84	26.28	cps
Sodium	23-2	76884	77356	77983	77408	0.71	cps
Strontium	86-1	940	997	940	959	3.41	cps
Strontium	88-1	3974	4057	4151	4061	2.18	cps
Sulfur	34-1	321175	324501	321802	322493	0.55	cps
Terbium	159-1	32328396	32456080	32970723	32585066	1.04	cps
Terbium	159-2	21782446	21693312	21967306	21814355	0.64	cps
Thallium	203-1	233	250	300	261	13.29	cps
Thallium	205-1	547	623	557	576	7.24	cps
Tin	118-1	7752	8356	8196	8101	3.86	cps
Titanium	47-1	247	210	220	226	8.40	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 09:21:55	DataFile Name :	004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	40	53	43	46	15.23	cps
Vanadium	51-2	53	40	50	48	14.52	cps
Yttrium	89-1	37321129	37799629	37955344	37692034	0.88	cps
Yttrium	89-2	9095929	9192681	9110813	9133141	0.57	cps
Zinc	66-2	14040	14197	14053	14097	0.62	cps
Zirconium	90-1	2227	2334	2367	2309	3.17	cps
Zirconium	91-1	497	493	463	484	3.79	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P7
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 09:28:28	DataFile Name :	006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	10479	10692	10945	10705	2.18	cps
Antimony	121-1	47211	48776	48572	48186	1.77	cps
Arsenic	75-2	1313	1227	1420	1320	7.34	cps
Barium	135-1	55404	58094	58212	57237	2.77	cps
Barium	137-1	96099	101559	101257	99638	3.08	cps
Beryllium	9-1	2350	2600	2656	2535	6.42	cps
Bismuth	209-1	18033036	18156992	18218471	18136166	0.52	cps
Bismuth	209-2	14994297	15105391	14829486	14976391	0.93	cps
Bromine	81-1	15592	15278	14874	15248	2.36	cps
Bromine	81-2	83	63	107	84	25.69	cps
Cadmium	108-1	500	523	537	520	3.57	cps
Cadmium	106-1	11178	11091	10868	11045	1.45	cps
Cadmium	111-1	13906	14026	14163	14032	0.92	cps
Calcium	43-1	40601	41149	42583	41444	2.47	cps
Calcium	44-1	662102	692096	696106	683435	2.72	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	27101	27458	27091	27217	0.77	cps
Cobalt	59-2	17320	17717	17387	17475	1.22	cps
Copper	63-2	26116	25669	25869	25885	0.87	cps
Dysprosium	156-1	83	103	63	83	24.00	cps
Dysprosium	156-2	33	33	7	24	62.97	cps
Erbium	164-1	117	123	123	121	3.18	cps
Erbium	164-2	103	80	70	84	20.25	cps
Gadolinium	160-1	163	163	150	159	4.85	cps
Gadolinium	160-2	1330	1210	1210	1250	5.54	cps
Holmium	165-1	30890372	31048614	30956444	30965143	0.26	cps
Holmium	165-2	21689156	21366992	21278978	21445042	1.01	cps
Indium	115-1	27401833	27495118	27664556	27520502	0.48	cps
Indium	115-2	9533146	9388995	9262950	9395030	1.44	cps
Iron	56-2	519378	522158	517581	519706	0.44	cps
Iron	57-2	14063	14480	14550	14365	1.83	cps
Iron	54-2	31794	32211	31717	31907	0.83	cps
Krypton	83-1	290	300	360	317	11.96	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P7
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 09:28:28	DataFile Name :	006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	18042	18383	18733	18386	1.88	cps
Lead	207-1	15896	16367	16564	16275	2.11	cps
Lead	208-1	71948	74113	74944	73668	2.10	cps
Lithium	6-1	3308602	3424660	3326156	3353139	1.87	cps
Magnesium	24-2	449462	449578	448599	449213	0.12	cps
Manganese	55-2	21582	21769	21188	21513	1.38	cps
Molybdenum	94-1	49868	51139	52149	51052	2.24	cps
Molybdenum	95-1	60140	61890	62965	61665	2.31	cps
Molybdenum	96-1	67170	69270	70475	68972	2.43	cps
Molybdenum	97-1	37849	39213	38978	38680	1.89	cps
Molybdenum	98-1	96077	98432	100841	98450	2.42	cps
Neodymium	150-1	27	7	13	16	65.47	cps
Neodymium	150-2	20	3	17	13	66.16	cps
Nickel	60-2	5011	5111	4988	5036	1.30	cps
Phosphorus	31-2	1073	1233	1220	1176	7.55	cps
Potassium	39-2	617334	616539	610884	614919	0.57	cps
Rhodium	103-1	26252969	26579113	26398120	26410067	0.62	cps
Rhodium	103-2	15477953	15350331	15210304	15346196	0.87	cps
Scandium	45-1	15706499	15776022	15917746	15800089	0.68	cps
Scandium	45-2	1311261	1282622	1298732	1297538	1.11	cps
Selenium	82-1	2276	2434	2308	2339	3.57	cps
Selenium	77-2	207	187	180	191	7.26	cps
Selenium	78-2	997	1043	1120	1053	5.91	cps
Silicon	28-1	1470193	1500448	1496827	1489156	1.11	cps
Silver	107-1	31548	32176	32984	32236	2.23	cps
Silver	109-1	29794	31103	31123	30674	2.48	cps
Sodium	23-2	757662	759419	759255	758779	0.13	cps
Strontium	86-1	8356	8869	8849	8692	3.35	cps
Strontium	88-1	70294	73650	72350	72098	2.35	cps
Sulfur	34-1	320234	320800	318406	319813	0.39	cps
Terbium	159-1	32212565	32308795	31822190	32114516	0.80	cps
Terbium	159-2	21412221	21563413	21384919	21453517	0.45	cps
Thallium	203-1	19828	20566	20549	20314	2.07	cps
Thallium	205-1	47054	48961	49774	48597	2.87	cps
Tin	118-1	105529	108578	110479	108196	2.31	cps
Titanium	47-1	15138	16072	15712	15640	3.01	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P7
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 09:28:28	DataFile Name :	006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	56954	59352	60185	58830	2.85	cps
Vanadium	51-2	42797	43593	43349	43246	0.94	cps
Yttrium	89-1	37182188	37273660	37651980	37369276	0.67	cps
Yttrium	89-2	9149367	9078519	9011517	9079801	0.76	cps
Zinc	66-2	22744	22681	22921	22782	0.55	cps
Zirconium	90-1	41896	44494	44440	43610	3.40	cps
Zirconium	91-1	9300	9573	9853	9575	2.89	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P7
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 09:31:44	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	514592	510879	511340	512270	0.40	cps
Antimony	121-1	1214933	1220585	1224549	1220022	0.40	cps
Arsenic	75-2	62186	62069	62641	62299	0.49	cps
Barium	135-1	1459203	1472288	1476635	1469375	0.62	cps
Barium	137-1	2630740	2648520	2625728	2634996	0.45	cps
Beryllium	9-1	130628	129799	128628	129685	0.77	cps
Bismuth	209-1	18799396	19052553	18887202	18913050	0.68	cps
Bismuth	209-2	15508707	15381712	15310722	15400380	0.65	cps
Bromine	81-1	14994	15041	14164	14733	3.35	cps
Bromine	81-2	83	87	100	90	9.80	cps
Cadmium	108-1	24604	24377	24758	24580	0.78	cps
Cadmium	106-1	45949	44963	44535	45149	1.61	cps
Cadmium	111-1	339007	340149	342110	340422	0.46	cps
Calcium	43-1	350658	350644	351270	350857	0.10	cps
Calcium	44-1	5560447	5487963	5421490	5489966	1.27	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	498656	498606	495733	497665	0.34	cps
Cobalt	59-2	804167	800000	802096	802087	0.26	cps
Copper	63-2	6250459	6130460	6194615	6191845	0.97	cps
Dysprosium	156-1	80	47	90	72	31.41	cps
Dysprosium	156-2	70	123	100	98	27.35	cps
Erbium	164-1	177	153	140	157	11.85	cps
Erbium	164-2	153	80	80	104	40.54	cps
Gadolinium	160-1	167	130	143	147	12.65	cps
Gadolinium	160-2	1297	1163	1433	1298	10.40	cps
Holmium	165-1	32312910	32226913	32524890	32354904	0.47	cps
Holmium	165-2	22223855	22465326	22114796	22267992	0.81	cps
Indium	115-1	28351149	28667322	28058365	28358945	1.07	cps
Indium	115-2	9598839	9502054	9370948	9490614	1.21	cps
Iron	56-2	23268319	23361119	23243231	23290890	0.27	cps
Iron	57-2	591893	589562	586568	589341	0.45	cps
Iron	54-2	1307192	1298087	1302815	1302698	0.35	cps
Krypton	83-1	340	277	357	324	13.01	cps

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Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P7
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 09:31:44	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4257241	4198647	4259935	4238608	0.82	cps
Lead	207-1	3734647	3728812	3854026	3772495	1.87	cps
Lead	208-1	16969917	17000345	17244084	17071449	0.88	cps
Lithium	6-1	3465113	3470243	3360733	3432030	1.80	cps
Magnesium	24-2	4670444	4639069	4677341	4662285	0.44	cps
Manganese	55-2	3840757	3822478	3771606	3811614	0.94	cps
Molybdenum	94-1	4506371	4477085	4504183	4495880	0.36	cps
Molybdenum	95-1	6615938	6539938	6519991	6558622	0.77	cps
Molybdenum	96-1	7138301	7223479	7159801	7173860	0.62	cps
Molybdenum	97-1	4067632	4067386	4052648	4062555	0.21	cps
Molybdenum	98-1	10328867	10441177	10473273	10414439	0.73	cps
Neodymium	150-1	110	80	97	96	15.73	cps
Neodymium	150-2	47	30	33	37	24.06	cps
Nickel	60-2	209404	209227	208263	208965	0.29	cps
Phosphorus	31-2	26296	25648	25588	25844	1.52	cps
Potassium	39-2	2693853	2707768	2718039	2706553	0.45	cps
Rhodium	103-1	26923135	27245981	27280632	27149916	0.73	cps
Rhodium	103-2	15564520	15199374	15321609	15361834	1.21	cps
Scandium	45-1	16198306	16099759	16097895	16131987	0.36	cps
Scandium	45-2	1292362	1291035	1295535	1292977	0.18	cps
Selenium	82-1	20133	20370	20324	20276	0.62	cps
Selenium	77-2	1963	1870	1853	1896	3.13	cps
Selenium	78-2	7008	6695	6648	6784	2.89	cps
Silicon	28-1	3937020	3979282	4000253	3972185	0.81	cps
Silver	107-1	1695669	1707514	1686047	1696410	0.63	cps
Silver	109-1	1619426	1631876	1637233	1629511	0.56	cps
Sodium	23-2	7304852	7381446	7398100	7361466	0.68	cps
Strontium	86-1	398075	397744	396123	397314	0.26	cps
Strontium	88-1	3535700	3567069	3526474	3543081	0.60	cps
Sulfur	34-1	404412	399758	398240	400803	0.80	cps
Terbium	159-1	33153231	33784855	33403472	33447186	0.95	cps
Terbium	159-2	22276846	22373715	22113973	22254844	0.59	cps
Thallium	203-1	1039864	1048716	1057626	1048736	0.85	cps
Thallium	205-1	2484630	2525206	2525825	2511887	0.94	cps
Tin	118-1	1035663	1038263	1044729	1039552	0.45	cps
Titanium	47-1	1609862	1629722	1610846	1616810	0.69	cps

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Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P7
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 09:31:44	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	3118430	3190942	3263125	3190832	2.27	cps
Vanadium	51-2	421135	415324	420738	419066	0.77	cps
Yttrium	89-1	38359194	38507888	38705545	38524209	0.45	cps
Yttrium	89-2	9229997	9145096	9171293	9182128	0.47	cps
Zinc	66-2	964338	963198	956741	961426	0.43	cps
Zirconium	90-1	2204089	2187102	2217010	2202734	0.68	cps
Zirconium	91-1	470610	475510	473178	473099	0.52	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P7
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 09:34:40	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1264432	1286005	1270583	1273674	0.87	cps
Antimony	121-1	2994310	3006514	3059013	3019946	1.14	cps
Arsenic	75-2	150188	150669	149622	150160	0.35	cps
Barium	135-1	3679657	3710519	3683102	3691093	0.46	cps
Barium	137-1	6303119	6297204	6317877	6306067	0.17	cps
Beryllium	9-1	311807	313411	312057	312425	0.28	cps
Bismuth	209-1	18508590	19176322	18927743	18870885	1.79	cps
Bismuth	209-2	15243895	15130803	15081749	15152149	0.55	cps
Bromine	81-1	15211	14607	14691	14836	2.21	cps
Bromine	81-2	110	83	97	97	13.79	cps
Cadmium	108-1	59689	58347	60141	59392	1.57	cps
Cadmium	106-1	92754	94273	93112	93380	0.85	cps
Cadmium	111-1	798790	811450	808102	806114	0.81	cps
Calcium	43-1	827461	829195	830632	829096	0.19	cps
Calcium	44-1	13066045	13104651	13076851	13082516	0.15	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1191728	1186156	1195439	1191108	0.39	cps
Cobalt	59-2	1962389	1982581	1959940	1968303	0.63	cps
Copper	63-2	14961379	14663341	14580786	14735169	1.36	cps
Dysprosium	156-1	137	120	157	138	13.33	cps
Dysprosium	156-2	180	140	180	167	13.86	cps
Erbium	164-1	177	173	167	172	2.96	cps
Erbium	164-2	97	80	113	97	17.24	cps
Gadolinium	160-1	213	170	160	181	15.66	cps
Gadolinium	160-2	1133	1323	1253	1237	7.77	cps
Holmium	165-1	31708019	32110936	32098222	31972392	0.72	cps
Holmium	165-2	22313890	22193030	22010120	22172346	0.69	cps
Indium	115-1	27768155	28049452	27885084	27900897	0.51	cps
Indium	115-2	9433379	9260501	9309279	9334387	0.95	cps
Iron	56-2	56519447	55625831	56312551	56152610	0.83	cps
Iron	57-2	1429276	1418025	1406758	1418020	0.79	cps
Iron	54-2	3100683	3039010	3146596	3095430	1.74	cps
Krypton	83-1	360	290	380	343	13.76	cps

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Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P7
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 09:34:40	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	10208224	10378783	10400988	10329332	1.02	cps
Lead	207-1	9104909	9200467	9280600	9195325	0.96	cps
Lead	208-1	41429174	42069245	42248455	41915625	1.03	cps
Lithium	6-1	3401295	3356815	3315680	3357930	1.28	cps
Magnesium	24-2	11119218	11188577	11284665	11197487	0.74	cps
Manganese	55-2	9237231	9111372	9253311	9200638	0.84	cps
Molybdenum	94-1	10760862	10942744	10793347	10832318	0.90	cps
Molybdenum	95-1	15760673	15930179	15780472	15823774	0.59	cps
Molybdenum	96-1	17360023	17333977	17240149	17311383	0.36	cps
Molybdenum	97-1	9674447	9752207	9762448	9729701	0.49	cps
Molybdenum	98-1	25290545	25131743	25085630	25169306	0.43	cps
Neodymium	150-1	193	170	153	172	11.67	cps
Neodymium	150-2	17	67	63	49	57.18	cps
Nickel	60-2	497340	499751	494697	497263	0.51	cps
Phosphorus	31-2	60489	61804	60536	60943	1.22	cps
Potassium	39-2	6459705	6382718	6401667	6414697	0.63	cps
Rhodium	103-1	26426226	26183350	26382294	26330623	0.49	cps
Rhodium	103-2	15322452	15280396	14980588	15194479	1.23	cps
Scandium	45-1	15578705	15544679	15738030	15620471	0.66	cps
Scandium	45-2	1258631	1270848	1259925	1263135	0.53	cps
Selenium	82-1	47206	47266	47031	47168	0.26	cps
Selenium	77-2	4214	4501	4244	4320	3.65	cps
Selenium	78-2	15034	15311	15358	15235	1.15	cps
Silicon	28-1	8173756	8141439	8116388	8143861	0.35	cps
Silver	107-1	4037433	4125228	4090129	4084264	1.08	cps
Silver	109-1	3911699	3980962	3883609	3925423	1.28	cps
Sodium	23-2	17609970	17527528	17587333	17574943	0.24	cps
Strontium	86-1	941955	955386	947601	948314	0.71	cps
Strontium	88-1	8409492	8530708	8519318	8486506	0.79	cps
Sulfur	34-1	520418	521006	516688	519371	0.45	cps
Terbium	159-1	32679715	33207930	33339222	33075622	1.06	cps
Terbium	159-2	21528056	21765059	22065885	21786333	1.24	cps
Thallium	203-1	2561368	2637337	2638138	2612281	1.69	cps
Thallium	205-1	6114124	6283524	6187529	6195059	1.37	cps
Tin	118-1	2554191	2584210	2518474	2552291	1.29	cps
Titanium	47-1	3819409	3842602	3831948	3831320	0.30	cps

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Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P7
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 09:34:40	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	7803312	7917415	7912707	7877811	0.82	cps
Vanadium	51-2	1009402	1010766	1013206	1011125	0.19	cps
Yttrium	89-1	37415859	37415909	37401244	37411004	0.02	cps
Yttrium	89-2	9061189	9126137	9091071	9092799	0.36	cps
Zinc	66-2	2339021	2337307	2315968	2330765	0.55	cps
Zirconium	90-1	5223445	5242183	5299991	5255206	0.76	cps
Zirconium	91-1	1129300	1141047	1137415	1135921	0.53	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P7
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 09:37:26	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2513559	2497956	2470519	2494011	0.87	cps
Antimony	121-1	6071411	6120904	6086202	6092839	0.42	cps
Arsenic	75-2	300800	300881	297232	299638	0.70	cps
Barium	135-1	7441010	7464704	7352570	7419428	0.80	cps
Barium	137-1	12641779	13003941	12714171	12786631	1.50	cps
Beryllium	9-1	624261	628961	623065	625429	0.50	cps
Bismuth	209-1	19407626	19318863	18860458	19195649	1.53	cps
Bismuth	209-2	15374012	15361732	15310035	15348593	0.22	cps
Bromine	81-1	14804	14691	14961	14819	0.92	cps
Bromine	81-2	100	77	100	92	14.61	cps
Cadmium	108-1	119440	120223	119427	119696	0.38	cps
Cadmium	106-1	175583	177871	176305	176586	0.66	cps
Cadmium	111-1	1643066	1625140	1612207	1626804	0.95	cps
Calcium	43-1	1615926	1633074	1650456	1633152	1.06	cps
Calcium	44-1	26214300	26211964	25942505	26122923	0.60	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2416039	2446628	2395544	2419404	1.06	cps
Cobalt	59-2	3935156	3892272	3862931	3896786	0.93	cps
Copper	63-2	29317604	28903017	29309538	29176720	0.81	cps
Dysprosium	156-1	197	210	150	186	16.98	cps
Dysprosium	156-2	357	283	340	327	11.77	cps
Erbium	164-1	150	203	253	202	25.55	cps
Erbium	164-2	120	130	153	134	12.73	cps
Gadolinium	160-1	223	217	210	217	3.08	cps
Gadolinium	160-2	1183	1323	1390	1299	8.12	cps
Holmium	165-1	33277398	32917397	33017213	33070669	0.56	cps
Holmium	165-2	22547450	22617830	22519750	22561676	0.22	cps
Indium	115-1	27669781	28252041	27916748	27946190	1.05	cps
Indium	115-2	9476946	9370561	9281892	9376467	1.04	cps
Iron	56-2	112907642	111552845	111810198	112090228	0.64	cps
Iron	57-2	2827298	2807226	2757651	2797392	1.28	cps
Iron	54-2	6247005	6177756	6095408	6173390	1.23	cps
Krypton	83-1	340	393	260	331	20.27	cps

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P7
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 09:37:26	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	21109379	21328671	21043766	21160605	0.71	cps
Lead	207-1	18682468	18915288	18751288	18783015	0.64	cps
Lead	208-1	85223853	86083090	85488072	85598338	0.51	cps
Lithium	6-1	3454085	3460633	3429638	3448119	0.47	cps
Magnesium	24-2	22115256	22028185	22136127	22093189	0.26	cps
Manganese	55-2	18500076	18402617	18206214	18369636	0.81	cps
Molybdenum	94-1	21994304	21939831	22034951	21989696	0.22	cps
Molybdenum	95-1	31980595	32051252	32137575	32056474	0.25	cps
Molybdenum	96-1	34876173	35260921	35116824	35084639	0.55	cps
Molybdenum	97-1	19572114	20068347	19778478	19806313	1.26	cps
Molybdenum	98-1	50705821	51164758	50893191	50921256	0.45	cps
Neodymium	150-1	277	333	347	319	11.66	cps
Neodymium	150-2	100	90	63	84	22.45	cps
Nickel	60-2	984113	979173	982849	982045	0.26	cps
Phosphorus	31-2	120066	120144	119247	119819	0.41	cps
Potassium	39-2	12571794	12646122	12663668	12627195	0.39	cps
Rhodium	103-1	26527163	26448402	26546041	26507202	0.20	cps
Rhodium	103-2	15187969	15186425	15246675	15207023	0.23	cps
Scandium	45-1	15849469	15837529	15564046	15750348	1.03	cps
Scandium	45-2	1243545	1243726	1265319	1250863	1.00	cps
Selenium	82-1	95287	96336	95873	95832	0.55	cps
Selenium	77-2	8766	8883	9150	8933	2.20	cps
Selenium	78-2	30101	30161	30555	30272	0.82	cps
Silicon	28-1	13054428	13236249	13279819	13190165	0.91	cps
Silver	107-1	8141897	8150207	8135503	8142536	0.09	cps
Silver	109-1	7837774	7884732	7808539	7843682	0.49	cps
Sodium	23-2	35082894	34784824	34784043	34883920	0.49	cps
Strontium	86-1	1966030	1970629	1932346	1956335	1.07	cps
Strontium	88-1	17142506	17093372	17094815	17110231	0.16	cps
Sulfur	34-1	728013	723165	718218	723132	0.68	cps
Terbium	159-1	34259779	33973415	33732748	33988647	0.78	cps
Terbium	159-2	22177983	22351089	22390502	22306525	0.51	cps
Thallium	203-1	5413751	5357008	5325440	5365400	0.83	cps
Thallium	205-1	12655374	12816161	12693701	12721745	0.66	cps
Tin	118-1	5075221	5145303	5080115	5100213	0.77	cps
Titanium	47-1	7728941	7793462	7676973	7733126	0.75	cps

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On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P7
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 09:37:26	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	16196319	16299812	16754064	16416731	1.81	cps
Vanadium	51-2	2097111	2084350	2061185	2080882	0.88	cps
Yttrium	89-1	38166097	37996586	37770070	37977584	0.52	cps
Yttrium	89-2	9160909	9235490	9193219	9196540	0.41	cps
Zinc	66-2	4666224	4591128	4655007	4637453	0.87	cps
Zirconium	90-1	10598230	10585582	10769932	10651248	0.97	cps
Zirconium	91-1	2370601	2363016	2374249	2369289	0.24	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P7
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 09:40:14	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4960038	4908928	4886424	4918464	0.77	cps
Antimony	121-1	11916051	12018862	12062799	11999237	0.63	cps
Arsenic	75-2	593679	593276	590668	592541	0.28	cps
Barium	135-1	14446821	14802111	14570785	14606572	1.23	cps
Barium	137-1	25019675	25395140	25251222	25222013	0.75	cps
Beryllium	9-1	1273822	1304337	1311435	1296531	1.54	cps
Bismuth	209-1	19123959	19106123	18854776	19028286	0.79	cps
Bismuth	209-2	15233322	15272179	15259587	15255029	0.13	cps
Bromine	81-1	14474	14851	15245	14856	2.59	cps
Bromine	81-2	113	93	93	100	11.55	cps
Cadmium	108-1	231278	232380	230771	231476	0.36	cps
Cadmium	106-1	331018	332357	331640	331672	0.20	cps
Cadmium	111-1	3209229	3181996	3185386	3192203	0.46	cps
Calcium	43-1	3151227	3179392	3197533	3176050	0.73	cps
Calcium	44-1	50519734	50672219	50958549	50716834	0.44	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4768960	4683048	4790514	4747507	1.20	cps
Cobalt	59-2	7713586	7597949	7566502	7626012	1.02	cps
Copper	63-2	56629219	56538139	56525697	56564352	0.10	cps
Dysprosium	156-1	363	340	320	341	6.36	cps
Dysprosium	156-2	693	653	633	660	4.63	cps
Erbium	164-1	277	330	270	292	11.25	cps
Erbium	164-2	183	167	230	193	16.98	cps
Gadolinium	160-1	270	277	290	279	3.65	cps
Gadolinium	160-2	1147	1233	1363	1248	8.74	cps
Holmium	165-1	33078099	32711915	32936402	32908805	0.56	cps
Holmium	165-2	22850494	22539862	22677249	22689202	0.69	cps
Indium	115-1	27503291	27487393	27595205	27528630	0.21	cps
Indium	115-2	9327609	9302570	9194025	9274734	0.77	cps
Iron	56-2	224438490	220226650	217991183	220885441	1.48	cps
Iron	57-2	5537215	5425706	5435397	5466106	1.13	cps
Iron	54-2	12252094	12041043	12101637	12131591	0.90	cps
Krypton	83-1	330	253	340	308	15.41	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P7
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 09:40:14	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	41661274	42544106	42474838	42226739	1.16	cps
Lead	207-1	37283271	37478816	37237934	37333341	0.34	cps
Lead	208-1	169438724	170443067	169778647	169886813	0.30	cps
Lithium	6-1	3347086	3337389	3360278	3348251	0.34	cps
Magnesium	24-2	43254484	43334083	43033939	43207502	0.36	cps
Manganese	55-2	36752628	36345477	35938075	36345393	1.12	cps
Molybdenum	94-1	43100603	43095566	43441261	43212477	0.46	cps
Molybdenum	95-1	62463731	62359196	63024499	62615809	0.57	cps
Molybdenum	96-1	67960516	68890386	68571799	68474233	0.69	cps
Molybdenum	97-1	38546864	38911783	39239388	38899345	0.89	cps
Molybdenum	98-1	99341472	100504952	100984942	100277122	0.84	cps
Neodymium	150-1	577	697	713	662	11.26	cps
Neodymium	150-2	133	163	160	152	10.80	cps
Nickel	60-2	1989782	1967185	2006014	1987660	0.98	cps
Phosphorus	31-2	238080	235414	235576	236357	0.63	cps
Potassium	39-2	24443500	24780975	24603046	24609174	0.69	cps
Rhodium	103-1	25621314	25927737	25947720	25832257	0.71	cps
Rhodium	103-2	15046908	15061979	14935918	15014935	0.46	cps
Scandium	45-1	15487376	15355868	15570283	15471175	0.70	cps
Scandium	45-2	1237993	1256504	1252824	1249107	0.78	cps
Selenium	82-1	183988	185659	187005	185551	0.81	cps
Selenium	77-2	17864	17204	17003	17357	2.60	cps
Selenium	78-2	58907	58311	58371	58530	0.56	cps
Silicon	28-1	29693591	29596627	29593733	29627984	0.19	cps
Silver	107-1	15879696	15920102	15872381	15890727	0.16	cps
Silver	109-1	15114274	15103796	15108804	15108958	0.03	cps
Sodium	23-2	68263337	68003421	68205234	68157331	0.20	cps
Strontium	86-1	3864138	3872156	3859055	3865117	0.17	cps
Strontium	88-1	33523796	33471008	33706729	33567178	0.37	cps
Sulfur	34-1	1273757	1278455	1247753	1266655	1.31	cps
Terbium	159-1	33511520	34132661	33902249	33848810	0.93	cps
Terbium	159-2	22356571	22355521	22549167	22420420	0.50	cps
Thallium	203-1	10596200	10646946	10748999	10664048	0.73	cps
Thallium	205-1	24891186	25483207	25375834	25250076	1.25	cps
Tin	118-1	10101304	10137568	10108170	10115681	0.19	cps
Titanium	47-1	15032489	15172808	15265680	15156992	0.77	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P7
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 09:40:14	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	32123705	32584247	33188992	32632315	1.64	cps
Vanadium	51-2	4098882	4060201	4067586	4075556	0.50	cps
Yttrium	89-1	37798922	37389581	37642472	37610325	0.55	cps
Yttrium	89-2	9172842	9042540	9002307	9072563	0.98	cps
Zinc	66-2	9139659	9108004	9057183	9101616	0.46	cps
Zirconium	90-1	21090231	21077888	21224214	21130777	0.38	cps
Zirconium	91-1	4609709	4633414	4675809	4639644	0.72	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P7
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 09:42:59	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	10057497	9963032	9981406	10000645	0.50	cps
Antimony	121-1	24650036	25026069	24748713	24808273	0.79	cps
Arsenic	75-2	1206918	1195683	1185498	1196033	0.90	cps
Barium	135-1	30071312	30456690	30045610	30191204	0.76	cps
Barium	137-1	51480926	52036769	51662371	51726689	0.55	cps
Beryllium	9-1	2562973	2544150	2600570	2569231	1.12	cps
Bismuth	209-1	19376492	19489210	19613520	19493074	0.61	cps
Bismuth	209-2	15445896	15184560	15228099	15286185	0.92	cps
Bromine	81-1	15168	15205	15982	15452	2.98	cps
Bromine	81-2	110	137	103	117	15.12	cps
Cadmium	108-1	466175	469048	471053	468759	0.52	cps
Cadmium	106-1	660815	668899	666813	665509	0.63	cps
Cadmium	111-1	6465527	6441025	6395580	6434044	0.55	cps
Calcium	43-1	6488473	6520609	6450353	6486478	0.54	cps
Calcium	44-1	102787648	104578772	103713042	103693154	0.86	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	9663261	9637273	9730344	9676959	0.50	cps
Cobalt	59-2	15334951	15680099	15213375	15409475	1.57	cps
Copper	63-2	113750988	113403475	113102912	113419125	0.29	cps
Dysprosium	156-1	533	553	477	521	7.63	cps
Dysprosium	156-2	1333	1387	1320	1347	2.62	cps
Erbium	164-1	447	423	427	432	2.92	cps
Erbium	164-2	337	297	303	312	6.86	cps
Gadolinium	160-1	333	333	393	353	9.80	cps
Gadolinium	160-2	1377	1367	1393	1379	0.98	cps
Holmium	165-1	34138609	34343023	34056182	34179271	0.43	cps
Holmium	165-2	23150412	23280325	23159219	23196652	0.31	cps
Indium	115-1	28387881	28039465	27994992	28140779	0.76	cps
Indium	115-2	9372068	9300524	9222865	9298486	0.80	cps
Iron	56-2	442409313	444680033	442038087	443042478	0.32	cps
Iron	57-2	11126412	11158000	10978684	11087698	0.86	cps
Iron	54-2	24539755	24413351	24416362	24456490	0.29	cps
Krypton	83-1	310	340	367	339	8.36	cps

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Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P7
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 09:42:59	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	85363542	86812715	85599362	85925206	0.90	cps
Lead	207-1	76031631	76853629	75764459	76216573	0.74	cps
Lead	208-1	344939357	347125988	345922125	345995823	0.32	cps
Lithium	6-1	3414292	3381209	3403372	3399624	0.50	cps
Magnesium	24-2	90079249	89187942	88189755	89152315	1.06	cps
Manganese	55-2	73147321	73349442	73090872	73195878	0.19	cps
Molybdenum	94-1	88113382	89290339	88788949	88730890	0.67	cps
Molybdenum	95-1	128065575	129454848	128956381	128825601	0.55	cps
Molybdenum	96-1	140958105	142663825	141577438	141733122	0.61	cps
Molybdenum	97-1	79589350	80739407	80378639	80235799	0.73	cps
Molybdenum	98-1	204669904	206881837	204469177	205340306	0.65	cps
Neodymium	150-1	1403	1433	1183	1340	10.19	cps
Neodymium	150-2	353	310	277	313	12.27	cps
Nickel	60-2	3974898	4021389	3941012	3979100	1.01	cps
Phosphorus	31-2	479945	480457	483276	481226	0.37	cps
Potassium	39-2	50023524	50098094	50321429	50147683	0.31	cps
Rhodium	103-1	26164366	26372539	26335220	26290708	0.42	cps
Rhodium	103-2	15133931	15008765	14990834	15044510	0.52	cps
Scandium	45-1	15880566	15899205	15667386	15815719	0.81	cps
Scandium	45-2	1322970	1315855	1302892	1313906	0.77	cps
Selenium	82-1	378826	384775	379893	381164	0.83	cps
Selenium	77-2	36388	36054	35088	35843	1.88	cps
Selenium	78-2	118348	117246	119427	118340	0.92	cps
Silicon	28-1	50692544	50916316	50231134	50613331	0.69	cps
Silver	107-1	32060109	32251855	31584800	31965588	1.07	cps
Silver	109-1	30351628	30658228	30484072	30497976	0.50	cps
Sodium	23-2	138874295	137176405	138232791	138094497	0.62	cps
Strontium	86-1	7896496	7988406	7834026	7906309	0.98	cps
Strontium	88-1	69248027	69037112	68769482	69018207	0.35	cps
Sulfur	34-1	2185855	2185183	2178830	2183290	0.18	cps
Terbium	159-1	35426433	35260784	34636056	35107758	1.19	cps
Terbium	159-2	23002463	22876976	23096723	22992054	0.48	cps
Thallium	203-1	21961060	21883515	22144449	21996341	0.61	cps
Thallium	205-1	51431703	52207263	51888813	51842593	0.75	cps
Tin	118-1	20772905	20923623	20563791	20753439	0.87	cps
Titanium	47-1	30419915	30821538	30835195	30692216	0.77	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P7
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 09:42:59	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	66908232	67709302	67410589	67342708	0.60	cps
Vanadium	51-2	8364841	8464958	8440372	8423391	0.62	cps
Yttrium	89-1	38945495	38913901	38299704	38719700	0.94	cps
Yttrium	89-2	9281723	9341372	9273474	9298856	0.40	cps
Zinc	66-2	18035899	18157600	18212378	18135292	0.50	cps
Zirconium	90-1	42932806	43293684	42980058	43068849	0.46	cps
Zirconium	91-1	9377573	9535101	9501223	9471299	0.88	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P7
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 09:45:46	DataFile Name :	012CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	51420120	51615641	51439575	51491779	0.21	cps
Antimony	121-1	10968	11625	13360	11984	10.31	cps
Arsenic	75-2	633	703	697	678	5.70	cps
Barium	135-1	12119	11798	11328	11748	3.39	cps
Barium	137-1	21727	20945	20308	20993	3.38	cps
Beryllium	9-1	461	322	261	348	29.44	cps
Bismuth	209-1	17063779	16946670	16859655	16956702	0.60	cps
Bismuth	209-2	13094494	13035804	13311626	13147308	1.11	cps
Bromine	81-1	16943	17434	16780	17052	2.00	cps
Bromine	81-2	160	167	127	151	14.18	cps
Cadmium	108-1	270	203	297	257	18.73	cps
Cadmium	106-1	10644	10684	10467	10598	1.09	cps
Cadmium	111-1	8672	8650	8413	8578	1.67	cps
Calcium	43-1	31424076	31281988	31778296	31494787	0.81	cps
Calcium	44-1	505768166	506316912	509267419	507117499	0.37	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	17487	17994	17433	17638	1.75	cps
Cobalt	59-2	37801	38763	39508	38691	2.21	cps
Copper	63-2	21275	21289	20267	20944	2.80	cps
Dysprosium	156-1	900	947	923	923	2.53	cps
Dysprosium	156-2	740	710	743	731	2.51	cps
Erbium	164-1	1207	1040	1090	1112	7.69	cps
Erbium	164-2	693	747	767	736	5.15	cps
Gadolinium	160-1	1047	960	853	953	10.16	cps
Gadolinium	160-2	1800	1677	1717	1731	3.63	cps
Holmium	165-1	33077449	32291405	32349530	32572794	1.34	cps
Holmium	165-2	21273927	21526816	22059112	21619952	1.85	cps
Indium	115-1	26052670	26393005	26295310	26246995	0.67	cps
Indium	115-2	8794753	8762270	8948942	8835322	1.13	cps
Iron	56-2	2119120395	2102676129	2159283114	2127026546	1.37	cps
Iron	57-2	53108016	54021914	52734083	53288004	1.24	cps
Iron	54-2	115893885	116748138	119448308	117363444	1.58	cps
Krypton	83-1	363	457	450	423	12.30	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P7
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 09:45:46	DataFile Name :	012CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	13533	12166	11115	12271	9.88	cps
Lead	207-1	11905	10758	9887	10850	9.33	cps
Lead	208-1	54159	48584	44796	49180	9.58	cps
Lithium	6-1	3087797	3096941	3111108	3098615	0.38	cps
Magnesium	24-2	438976393	448057887	448110860	445048380	1.18	cps
Manganese	55-2	38235	38563	38837	38545	0.78	cps
Molybdenum	94-1	22511	21332	20625	21489	4.43	cps
Molybdenum	95-1	22380	20054	19286	20573	7.83	cps
Molybdenum	96-1	42174	39086	38450	39903	4.99	cps
Molybdenum	97-1	13396	12142	11405	12314	8.18	cps
Molybdenum	98-1	34157	30528	29096	31260	8.34	cps
Neodymium	150-1	547	557	493	532	6.40	cps
Neodymium	150-2	287	310	260	286	8.76	cps
Nickel	60-2	10967	10621	10987	10858	1.90	cps
Phosphorus	31-2	477	530	463	490	7.20	cps
Potassium	39-2	252400383	257718369	255494030	255204261	1.05	cps
Rhodium	103-1	23628904	23907168	23621955	23719342	0.69	cps
Rhodium	103-2	13458208	13574830	13634430	13555822	0.66	cps
Scandium	45-1	15302853	15575818	15453336	15444002	0.89	cps
Scandium	45-2	1244394	1284205	1296821	1275140	2.15	cps
Selenium	82-1	853	696	743	764	10.51	cps
Selenium	77-2	7	10	10	9	21.63	cps
Selenium	78-2	457	493	500	483	4.83	cps
Silicon	28-1	1371470	1337763	1329225	1346153	1.66	cps
Silver	107-1	4701	4101	3864	4222	10.22	cps
Silver	109-1	4691	3964	3357	4004	16.68	cps
Sodium	23-2	674148670	667463123	678883897	673498563	0.85	cps
Strontium	86-1	25689	25719	25749	25719	0.12	cps
Strontium	88-1	222031	223510	221773	222438	0.42	cps
Sulfur	34-1	249474	254790	258489	254251	1.78	cps
Terbium	159-1	33280805	33492686	33103230	33292240	0.59	cps
Terbium	159-2	21393031	21122642	21414304	21309992	0.76	cps
Thallium	203-1	2374	1660	1363	1799	28.86	cps
Thallium	205-1	5274	4237	3307	4273	23.03	cps
Tin	118-1	10447	10020	10057	10175	2.33	cps
Titanium	47-1	4627	4274	4181	4361	5.40	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P7
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 09:45:46	DataFile Name :	012CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	6038	4477	3811	4775	23.94	cps
Vanadium	51-2	2330	2137	2077	2181	6.07	cps
Yttrium	89-1	37278599	37441814	37348173	37356195	0.22	cps
Yttrium	89-2	9142520	9072699	9126691	9113970	0.40	cps
Zinc	66-2	10384	10390	10694	10489	1.69	cps
Zirconium	90-1	25943	25295	24581	25273	2.70	cps
Zirconium	91-1	5955	5494	5064	5504	8.09	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	ICV002	Instrumnet Name :	P7
Client Sample ID :	ICV002	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:03:13	DataFile Name :	013ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	300945	301755	301946	301549	0.18	cps
Antimony	121-1	4979671	4971839	5048291	4999934	0.84	cps
Arsenic	75-2	260786	262331	260190	261103	0.42	cps
Barium	135-1	587502	592741	592572	590939	0.50	cps
Barium	137-1	1009489	1024163	1028462	1020705	0.97	cps
Beryllium	9-1	253200	256604	256071	255292	0.72	cps
Bismuth	209-1	19760973	19855834	19385253	19667353	1.27	cps
Bismuth	209-2	15978537	15916664	16067051	15987417	0.47	cps
Bromine	81-1	15912	16436	16312	16220	1.69	cps
Bromine	81-2	83	110	97	97	13.79	cps
Cadmium	108-1	43923	44481	43361	43922	1.28	cps
Cadmium	106-1	70661	71009	70580	70750	0.32	cps
Cadmium	111-1	678955	686061	677197	680738	0.69	cps
Calcium	43-1	139545	141291	141694	140843	0.81	cps
Calcium	44-1	2284392	2271856	2275814	2277354	0.28	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1047219	1041174	1029283	1039225	0.88	cps
Cobalt	59-2	1710194	1709037	1738504	1719245	0.97	cps
Copper	63-2	1193644	1184741	1177812	1185399	0.67	cps
Dysprosium	156-1	60	67	70	66	7.77	cps
Dysprosium	156-2	37	60	27	41	41.60	cps
Erbium	164-1	157	140	150	149	5.64	cps
Erbium	164-2	103	93	87	94	8.88	cps
Gadolinium	160-1	133	130	163	142	12.91	cps
Gadolinium	160-2	1293	1283	1343	1307	2.46	cps
Holmium	165-1	32937204	33241563	33262396	33147054	0.55	cps
Holmium	165-2	23215665	23037197	23083653	23112172	0.40	cps
Indium	115-1	29668233	29442927	29930155	29680438	0.82	cps
Indium	115-2	10162087	9947073	10072963	10060707	1.07	cps
Iron	56-2	18891626	19018269	18767666	18892520	0.66	cps
Iron	57-2	479753	474828	471969	475517	0.83	cps
Iron	54-2	1075981	1070414	1072915	1073103	0.26	cps
Krypton	83-1	317	367	307	330	9.74	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	ICV002	Instrumnet Name :	P7
Client Sample ID :	ICV002	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:03:13	DataFile Name :	013ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3637485	3639762	3713479	3663575	1.18	cps
Lead	207-1	3098249	3133970	3155063	3129094	0.92	cps
Lead	208-1	14477218	14476321	14515274	14489604	0.15	cps
Lithium	6-1	3408394	3305778	3424227	3379466	1.90	cps
Magnesium	24-2	1145080	1058105	1060064	1087750	4.57	cps
Manganese	55-2	777299	776385	772059	775248	0.36	cps
Molybdenum	94-1	1167	1403	1500	1357	12.64	cps
Molybdenum	95-1	540	443	533	506	10.68	cps
Molybdenum	96-1	887	1113	1067	1022	11.71	cps
Molybdenum	97-1	360	320	337	339	5.93	cps
Molybdenum	98-1	973	850	1033	952	9.82	cps
Neodymium	150-1	53	43	43	47	12.37	cps
Neodymium	150-2	10	10	23	14	53.28	cps
Nickel	60-2	440840	439383	437501	439241	0.38	cps
Phosphorus	31-2	413	463	397	424	8.17	cps
Potassium	39-2	2210728	2198337	2173165	2194077	0.87	cps
Rhodium	103-1	28389827	28138408	27965501	28164579	0.76	cps
Rhodium	103-2	16533951	16161928	16565866	16420582	1.37	cps
Scandium	45-1	16942519	16993601	17118073	17018064	0.53	cps
Scandium	45-2	1389228	1376112	1369454	1378265	0.73	cps
Selenium	82-1	83423	82987	83921	83444	0.56	cps
Selenium	77-2	8176	7909	7912	7999	1.91	cps
Selenium	78-2	27135	26831	26434	26800	1.31	cps
Silicon	28-1	1342034	1361934	1325349	1343106	1.36	cps
Silver	107-1	1678778	1631872	1668001	1659550	1.48	cps
Silver	109-1	1572301	1626962	1576681	1591981	1.91	cps
Sodium	23-2	2955919	2927323	2955333	2946192	0.55	cps
Strontium	86-1	3014	2620	2787	2807	7.04	cps
Strontium	88-1	20628	20474	20394	20499	0.58	cps
Sulfur	34-1	306915	306567	305247	306243	0.29	cps
Terbium	159-1	34067806	34415989	34259255	34247683	0.51	cps
Terbium	159-2	22875268	22834915	23075975	22928720	0.56	cps
Thallium	203-1	4621769	4591013	4570336	4594373	0.56	cps
Thallium	205-1	10807876	10717414	10891005	10805432	0.80	cps
Tin	118-1	7269	7452	7322	7347	1.28	cps
Titanium	47-1	360	373	363	366	1.90	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	ICV002	Instrumnet Name :	P7
Client Sample ID :	ICV002	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:03:13	DataFile Name :	013ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	103	143	107	118	18.85	cps
Vanadium	51-2	859356	856632	859466	858485	0.19	cps
Yttrium	89-1	40016504	39953868	39769052	39913141	0.32	cps
Yttrium	89-2	9851364	9778967	9805213	9811848	0.37	cps
Zinc	66-2	401795	397258	397435	398829	0.64	cps
Zirconium	90-1	2727	2970	3460	3053	12.24	cps
Zirconium	91-1	1060	1133	1117	1103	3.48	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	ICB002	Instrumnet Name :	P7
Client Sample ID :	ICB002	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:07:56	DataFile Name :	014CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	577	570	581	576	0.96	cps
Antimony	121-1	833	877	1203	971	20.83	cps
Arsenic	75-2	27	33	20	27	24.99	cps
Barium	135-1	447	463	397	436	7.97	cps
Barium	137-1	643	680	727	683	6.11	cps
Beryllium	9-1	161	89	78	109	41.41	cps
Bismuth	209-1	18226026	18642203	18688510	18518913	1.38	cps
Bismuth	209-2	15574598	15449226	15661259	15561694	0.69	cps
Bromine	81-1	16499	16092	16099	16230	1.44	cps
Bromine	81-2	113	117	77	102	21.71	cps
Cadmium	108-1	37	53	30	40	30.04	cps
Cadmium	106-1	9436	9590	9330	9452	1.38	cps
Cadmium	111-1	6677	6772	6606	6685	1.24	cps
Calcium	43-1	7278	7338	7008	7208	2.44	cps
Calcium	44-1	132724	136474	136007	135068	1.51	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	6915	6775	6952	6881	1.36	cps
Cobalt	59-2	330	403	303	346	14.98	cps
Copper	63-2	2844	2687	2587	2706	4.78	cps
Dysprosium	156-1	20	67	47	44	52.68	cps
Dysprosium	156-2	23	10	20	18	39.03	cps
Erbium	164-1	130	143	180	151	17.13	cps
Erbium	164-2	83	77	73	78	6.55	cps
Gadolinium	160-1	150	177	150	159	9.69	cps
Gadolinium	160-2	1293	1327	1290	1303	1.56	cps
Holmium	165-1	31477129	31534721	31847754	31619868	0.63	cps
Holmium	165-2	22919673	22307255	22376455	22534461	1.49	cps
Indium	115-1	27831569	28384014	28219739	28145107	1.01	cps
Indium	115-2	9787390	9798137	9770253	9785260	0.14	cps
Iron	56-2	41073	39880	40277	40410	1.50	cps
Iron	57-2	1953	1970	1837	1920	3.78	cps
Iron	54-2	5001	5081	4941	5008	1.40	cps
Krypton	83-1	307	320	347	324	6.28	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	ICB002	Instrumnet Name :	P7
Client Sample ID :	ICB002	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:07:56	DataFile Name :	014CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3117	2914	2897	2976	4.12	cps
Lead	207-1	2517	2560	2564	2547	1.02	cps
Lead	208-1	11956	11372	11672	11667	2.50	cps
Lithium	6-1	3245671	3321091	3338894	3301885	1.50	cps
Magnesium	24-2	3600	3487	3470	3519	2.01	cps
Manganese	55-2	13790	13963	14037	13930	0.91	cps
Molybdenum	94-1	1177	1443	1447	1356	11.43	cps
Molybdenum	95-1	207	220	210	212	3.27	cps
Molybdenum	96-1	467	433	547	482	12.08	cps
Molybdenum	97-1	120	187	160	156	21.57	cps
Molybdenum	98-1	327	370	393	363	9.31	cps
Neodymium	150-1	20	27	30	26	19.92	cps
Neodymium	150-2	13	13	30	19	50.96	cps
Nickel	60-2	670	667	760	699	7.58	cps
Phosphorus	31-2	533	450	453	479	9.85	cps
Potassium	39-2	81178	80562	81684	81141	0.69	cps
Rhodium	103-1	26620835	27061513	27044828	26909058	0.93	cps
Rhodium	103-2	15905332	15995495	15958247	15953025	0.28	cps
Scandium	45-1	15995019	16174790	16074744	16081518	0.56	cps
Scandium	45-2	1339430	1327682	1338404	1335172	0.49	cps
Selenium	82-1	706	538	503	582	18.63	cps
Selenium	77-2	0	3	0	1	173.21	cps
Selenium	78-2	497	530	477	501	5.38	cps
Silicon	28-1	1356176	1384487	1364808	1368490	1.06	cps
Silver	107-1	453	357	367	392	13.55	cps
Silver	109-1	350	327	260	312	14.96	cps
Sodium	23-2	73149	72506	72345	72667	0.59	cps
Strontium	86-1	960	953	1020	978	3.76	cps
Strontium	88-1	4161	4284	4071	4172	2.57	cps
Sulfur	34-1	305612	309347	307091	307350	0.61	cps
Terbium	159-1	32494741	32665935	32734170	32631615	0.38	cps
Terbium	159-2	22458437	22244849	22278141	22327142	0.51	cps
Thallium	203-1	647	597	523	589	10.53	cps
Thallium	205-1	1597	1393	1370	1453	8.58	cps
Tin	118-1	7776	7902	8089	7922	1.99	cps
Titanium	47-1	277	263	237	259	7.87	cps

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On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	ICB002	Instrumnet Name :	P7
Client Sample ID :	ICB002	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:07:56	DataFile Name :	014CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	53	57	77	62	20.29	cps
Vanadium	51-2	33	50	30	38	28.37	cps
Yttrium	89-1	37404759	38323524	38121591	37949958	1.27	cps
Yttrium	89-2	9519227	9369085	9453595	9447302	0.80	cps
Zinc	66-2	13880	14043	13823	13915	0.82	cps
Zirconium	90-1	3344	3747	4061	3717	9.67	cps
Zirconium	91-1	753	733	780	756	3.10	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	ICSA002	Instrumnet Name :	P7
Client Sample ID :	ICSA002	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:11:14	DataFile Name :	015ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	45886052	46020890	46203542	46036828	0.35	cps
Antimony	121-1	25219	26254	26762	26078	3.02	cps
Arsenic	75-2	380	400	447	409	8.37	cps
Barium	135-1	8152	8286	8616	8351	2.86	cps
Barium	137-1	13897	14411	14477	14262	2.23	cps
Beryllium	9-1	667	678	683	676	1.26	cps
Bismuth	209-1	18502846	18308461	18315184	18375497	0.60	cps
Bismuth	209-2	14435640	14699911	14855897	14663816	1.45	cps
Bromine	81-1	17193	17667	17981	17614	2.25	cps
Bromine	81-2	357	330	330	339	4.54	cps
Cadmium	108-1	4177	4117	4027	4107	1.84	cps
Cadmium	106-1	10154	9763	9530	9816	3.21	cps
Cadmium	111-1	9438	9140	8979	9186	2.53	cps
Calcium	43-1	6094512	6243060	6256190	6197921	1.45	cps
Calcium	44-1	97115215	100663932	101492828	99757325	2.33	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	192030	190849	192971	191950	0.55	cps
Cobalt	59-2	18852	18478	18678	18669	1.00	cps
Copper	63-2	82985	82552	82472	82670	0.33	cps
Dysprosium	156-1	120	117	123	120	2.77	cps
Dysprosium	156-2	67	97	43	69	38.81	cps
Erbium	164-1	200	237	207	214	9.11	cps
Erbium	164-2	133	153	157	148	8.54	cps
Gadolinium	160-1	263	203	243	237	12.91	cps
Gadolinium	160-2	1260	1293	1273	1276	1.32	cps
Holmium	165-1	32925786	33173679	33019116	33039527	0.38	cps
Holmium	165-2	22383469	22579056	22599758	22520761	0.53	cps
Indium	115-1	27788564	27372624	27674307	27611832	0.78	cps
Indium	115-2	9303355	9257924	9274947	9278742	0.25	cps
Iron	56-2	864211560	872170200	871875640	869419134	0.52	cps
Iron	57-2	21862788	21988618	21524765	21792057	1.10	cps
Iron	54-2	47173839	47353353	47214879	47247357	0.20	cps
Krypton	83-1	327	377	320	341	9.08	cps

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	ICSA002	Instrumnet Name :	P7
Client Sample ID :	ICSA002	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:11:14	DataFile Name :	015ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	77248	78472	78327	78015	0.86	cps
Lead	207-1	61545	62744	62868	62386	1.17	cps
Lead	208-1	290455	295361	295345	293721	0.96	cps
Lithium	6-1	3189450	3061953	3076541	3109315	2.24	cps
Magnesium	24-2	81198139	82213970	81440424	81617511	0.65	cps
Manganese	55-2	67209	67343	67470	67341	0.19	cps
Molybdenum	94-1	13202672	13518182	13651092	13457315	1.71	cps
Molybdenum	95-1	23269539	23798575	24173856	23747323	1.91	cps
Molybdenum	96-1	24841465	25665414	25697549	25401476	1.91	cps
Molybdenum	97-1	14380506	14789592	14949051	14706383	1.99	cps
Molybdenum	98-1	36997552	38471765	38759342	38076220	2.48	cps
Neodymium	150-1	127	120	123	123	2.70	cps
Neodymium	150-2	57	43	53	51	13.58	cps
Nickel	60-2	21856	21158	21692	21569	1.69	cps
Phosphorus	31-2	2391213	2364264	2388349	2381275	0.62	cps
Potassium	39-2	96094759	95560455	98598272	96751162	1.68	cps
Rhodium	103-1	25479129	25621700	25340646	25480492	0.55	cps
Rhodium	103-2	14892021	14656549	14950866	14833145	1.05	cps
Scandium	45-1	15757314	15816340	15863021	15812225	0.34	cps
Scandium	45-2	1261542	1270456	1282936	1271645	0.85	cps
Selenium	82-1	601	523	499	541	9.83	cps
Selenium	77-2	10	3	3	6	69.34	cps
Selenium	78-2	513	537	500	517	3.59	cps
Silicon	28-1	1419491	1398178	1407637	1408435	0.76	cps
Silver	107-1	1147	983	1190	1107	9.85	cps
Silver	109-1	847	1057	990	964	11.13	cps
Sodium	23-2	134465858	132924285	134152525	133847556	0.61	cps
Strontium	86-1	246119	254301	257490	252637	2.32	cps
Strontium	88-1	2212170	2278011	2360897	2283693	3.26	cps
Sulfur	34-1	8801321	9028963	8915807	8915363	1.28	cps
Terbium	159-1	33959724	34430259	33782752	34057578	0.98	cps
Terbium	159-2	22070448	22206036	22302888	22193124	0.53	cps
Thallium	203-1	2117	2267	2347	2244	5.21	cps
Thallium	205-1	4761	5368	5665	5264	8.75	cps
Tin	118-1	10307	10804	10904	10672	3.00	cps
Titanium	47-1	5780997	6045372	6054822	5960397	2.61	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	ICSA002	Instrumnet Name :	P7
Client Sample ID :	ICSA002	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:11:14	DataFile Name :	015ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	957	1060	1023	1013	5.17	cps
Vanadium	51-2	1497	1510	1670	1559	6.19	cps
Yttrium	89-1	38321925	37700935	38074329	38032397	0.82	cps
Yttrium	89-2	9150443	9096712	9209130	9152095	0.61	cps
Zinc	66-2	30855	30454	30815	30708	0.72	cps
Zirconium	90-1	2877	3270	3684	3277	12.31	cps
Zirconium	91-1	617	590	810	672	17.86	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	ICSAB002	Instrumnet Name :	P7
Client Sample ID :	ICSAB002	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:14:16	DataFile Name :	016ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	46811604	46222819	47686207	46906877	1.57	cps
Antimony	121-1	488691	500800	499465	496319	1.34	cps
Arsenic	75-2	23742	23525	24033	23767	1.07	cps
Barium	135-1	121570	123352	123257	122727	0.82	cps
Barium	137-1	208872	214636	215038	212848	1.62	cps
Beryllium	9-1	43143	45545	42993	43894	3.26	cps
Bismuth	209-1	18841082	18715128	19006351	18854187	0.77	cps
Bismuth	209-2	15212573	14701909	14971237	14961906	1.71	cps
Bromine	81-1	19600	19860	20147	19869	1.38	cps
Bromine	81-2	697	693	773	721	6.28	cps
Cadmium	108-1	11595	12058	12252	11968	2.82	cps
Cadmium	106-1	20545	21513	21443	21167	2.55	cps
Cadmium	111-1	128724	132194	130822	130580	1.34	cps
Calcium	43-1	6246504	6283192	6329025	6286240	0.66	cps
Calcium	44-1	99909882	101223982	102430808	101188224	1.25	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	379126	379371	381509	380002	0.35	cps
Cobalt	59-2	317906	316873	319478	318085	0.41	cps
Copper	63-2	292054	293707	290755	292172	0.51	cps
Dysprosium	156-1	117	163	127	136	18.13	cps
Dysprosium	156-2	80	77	83	80	4.16	cps
Erbium	164-1	207	240	247	231	9.27	cps
Erbium	164-2	157	143	137	146	7.00	cps
Gadolinium	160-1	190	207	267	221	18.24	cps
Gadolinium	160-2	1160	1193	1180	1178	1.42	cps
Holmium	165-1	33889513	33748488	34358826	33998942	0.94	cps
Holmium	165-2	23577594	22825749	22881871	23095071	1.81	cps
Indium	115-1	28263658	28262952	28314971	28280527	0.11	cps
Indium	115-2	9701384	9362460	9382097	9481980	2.01	cps
Iron	56-2	886696093	872777934	866230040	875234689	1.19	cps
Iron	57-2	21750604	21964115	21854569	21856429	0.49	cps
Iron	54-2	47645791	47634426	48390313	47890177	0.90	cps
Krypton	83-1	293	303	333	310	6.71	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	ICSAB002	Instrumnet Name :	P7
Client Sample ID :	ICSAB002	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:14:16	DataFile Name :	016ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	417763	427109	424078	422984	1.13	cps
Lead	207-1	353340	358932	357143	356471	0.80	cps
Lead	208-1	1625408	1657178	1648890	1643825	1.00	cps
Lithium	6-1	2929954	2984228	2993643	2969275	1.16	cps
Magnesium	24-2	82317914	81804039	84222642	82781532	1.54	cps
Manganese	55-2	205108	204849	203477	204478	0.43	cps
Molybdenum	94-1	13562306	13802187	14080021	13814838	1.88	cps
Molybdenum	95-1	24188837	24443030	24770010	24467292	1.19	cps
Molybdenum	96-1	26048189	26644554	26549055	26413932	1.21	cps
Molybdenum	97-1	15010891	15227972	15359531	15199464	1.16	cps
Molybdenum	98-1	38757189	39298311	39612314	39222604	1.10	cps
Neodymium	150-1	110	143	143	132	14.56	cps
Neodymium	150-2	77	80	80	79	2.44	cps
Nickel	60-2	98487	96277	97199	97321	1.14	cps
Phosphorus	31-2	2432468	2377905	2457218	2422530	1.68	cps
Potassium	39-2	98130025	97900802	98650075	98226967	0.39	cps
Rhodium	103-1	26057290	26018095	26633379	26236255	1.31	cps
Rhodium	103-2	15412756	14997887	15127141	15179261	1.40	cps
Scandium	45-1	15718312	15714669	16080392	15837791	1.33	cps
Scandium	45-2	1365273	1315783	1319824	1333627	2.06	cps
Selenium	82-1	7890	7775	7881	7849	0.81	cps
Selenium	77-2	607	610	643	620	3.27	cps
Selenium	78-2	2967	2784	2770	2840	3.87	cps
Silicon	28-1	1414015	1444311	1445989	1434772	1.25	cps
Silver	107-1	580771	591779	598705	590419	1.53	cps
Silver	109-1	554683	563399	564999	561027	0.99	cps
Sodium	23-2	135407218	134217961	135530528	135051902	0.54	cps
Strontium	86-1	256935	265813	265531	262760	1.92	cps
Strontium	88-1	2312031	2362775	2339408	2338072	1.09	cps
Sulfur	34-1	8902013	8946725	8963916	8937551	0.36	cps
Terbium	159-1	34821438	34781202	35463724	35022121	1.09	cps
Terbium	159-2	23260779	22511426	22714687	22828964	1.70	cps
Thallium	203-1	432506	440114	447420	440013	1.69	cps
Thallium	205-1	1023089	1042247	1052078	1039138	1.42	cps
Tin	118-1	10327	10144	10190	10220	0.93	cps
Titanium	47-1	5946933	6085836	6116354	6049708	1.49	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	ICSAB002	Instrumnet Name :	P7
Client Sample ID :	ICSAB002	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:14:16	DataFile Name :	016ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	977	1097	1070	1048	6.01	cps
Vanadium	51-2	161769	157961	159803	159844	1.19	cps
Yttrium	89-1	38293903	38632333	39503481	38809906	1.61	cps
Yttrium	89-2	9655870	9314946	9501865	9490894	1.80	cps
Zinc	66-2	65406	64040	65560	65002	1.29	cps
Zirconium	90-1	2627	2857	2770	2751	4.22	cps
Zirconium	91-1	573	757	663	664	13.80	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	CCV004	Instrumnet Name :	P7
Client Sample ID :	CCV004	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:17:18	DataFile Name :	017CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	26481005	26688497	26501385	26556962	0.43	cps
Antimony	121-1	12848582	12931593	12906619	12895598	0.33	cps
Arsenic	75-2	641782	636750	635768	638100	0.51	cps
Barium	135-1	15764964	15625155	15614285	15668135	0.54	cps
Barium	137-1	26840987	26854124	26543423	26746178	0.66	cps
Beryllium	9-1	1176738	1225796	1235875	1212803	2.61	cps
Bismuth	209-1	18966454	18815483	18676876	18819604	0.77	cps
Bismuth	209-2	14763096	14712460	14498471	14658009	0.96	cps
Bromine	81-1	17103	17230	16876	17070	1.05	cps
Bromine	81-2	140	143	167	150	9.69	cps
Cadmium	108-1	242159	248188	244501	244949	1.24	cps
Cadmium	106-1	352971	354044	351759	352924	0.32	cps
Cadmium	111-1	3402199	3459645	3388026	3416623	1.11	cps
Calcium	43-1	16467427	16721512	16663306	16617415	0.80	cps
Calcium	44-1	265517576	268417783	267872703	267269354	0.58	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4958886	5008260	5034657	5000601	0.77	cps
Cobalt	59-2	8177332	8123949	8154721	8152001	0.33	cps
Copper	63-2	59199222	59573907	59478929	59417353	0.33	cps
Dysprosium	156-1	610	657	643	637	3.78	cps
Dysprosium	156-2	1017	977	910	968	5.57	cps
Erbium	164-1	717	623	673	671	6.96	cps
Erbium	164-2	440	443	397	427	6.10	cps
Gadolinium	160-1	577	570	530	559	4.52	cps
Gadolinium	160-2	1493	1550	1440	1495	3.68	cps
Holmium	165-1	35420636	34810488	34775794	35002306	1.04	cps
Holmium	165-2	23337973	23227083	22907511	23157522	0.97	cps
Indium	115-1	28597885	28288472	28412141	28432833	0.55	cps
Indium	115-2	9365621	9371846	9260925	9332797	0.67	cps
Iron	56-2	1123991050	1118009663	1120331743	1120777486	0.27	cps
Iron	57-2	28409349	27993705	28132109	28178388	0.75	cps
Iron	54-2	61023344	61556786	61255584	61278571	0.44	cps
Krypton	83-1	327	313	373	338	9.33	cps

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Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	CCV004	Instrumnet Name :	P7
Client Sample ID :	CCV004	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:17:18	DataFile Name :	017CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	42950161	43384864	43359986	43231670	0.56	cps
Lead	207-1	37973294	38430644	38302116	38235352	0.62	cps
Lead	208-1	172466931	174790227	174192851	173816670	0.69	cps
Lithium	6-1	3017809	2964391	3026456	3002885	1.12	cps
Magnesium	24-2	227755663	227274523	227165837	227398674	0.14	cps
Manganese	55-2	37795297	37510228	38040345	37781957	0.70	cps
Molybdenum	94-1	45622903	46509734	46160324	46097654	0.97	cps
Molybdenum	95-1	66931084	68038604	67070776	67346821	0.90	cps
Molybdenum	96-1	73323236	74337416	74077086	73912579	0.71	cps
Molybdenum	97-1	41483904	41974723	42017920	41825515	0.71	cps
Molybdenum	98-1	106704735	108747385	107718228	107723450	0.95	cps
Neodymium	150-1	870	950	820	880	7.45	cps
Neodymium	150-2	287	270	290	282	3.80	cps
Nickel	60-2	2072772	2096674	2087308	2085585	0.58	cps
Phosphorus	31-2	246164	245688	246996	246283	0.27	cps
Potassium	39-2	130548975	130868541	130998931	130805482	0.18	cps
Rhodium	103-1	26196562	26072343	26125066	26131324	0.24	cps
Rhodium	103-2	14696376	14805436	14709921	14737244	0.40	cps
Scandium	45-1	16383179	16337114	16105071	16275121	0.92	cps
Scandium	45-2	1308134	1335960	1316350	1320148	1.08	cps
Selenium	82-1	198226	198996	200440	199221	0.56	cps
Selenium	77-2	18946	18535	17878	18453	2.92	cps
Selenium	78-2	62019	62253	61681	61985	0.46	cps
Silicon	28-1	21626023	21739546	21922847	21762805	0.69	cps
Silver	107-1	16738154	16673538	16774894	16728862	0.31	cps
Silver	109-1	15980469	15948739	15960067	15963092	0.10	cps
Sodium	23-2	357373675	358131928	357983488	357829697	0.11	cps
Strontium	86-1	4115058	4150672	4182762	4149498	0.82	cps
Strontium	88-1	36156110	36601908	35945824	36234614	0.92	cps
Sulfur	34-1	1249271	1238474	1243790	1243845	0.43	cps
Terbium	159-1	36422649	35638704	35367588	35809647	1.53	cps
Terbium	159-2	22701223	22649136	22655539	22668633	0.13	cps
Thallium	203-1	10938572	10850219	10873167	10887319	0.42	cps
Thallium	205-1	25874752	26196306	25963098	26011385	0.64	cps
Tin	118-1	10476821	10705619	10707171	10629870	1.25	cps
Titanium	47-1	15781706	16165872	15993717	15980432	1.20	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	CCV004	Instrumnet Name :	P7
Client Sample ID :	CCV004	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:17:18	DataFile Name :	017CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	33815666	34079274	34080264	33991735	0.45	cps
Vanadium	51-2	4409593	4451322	4439952	4433622	0.49	cps
Yttrium	89-1	40065374	39820472	39425294	39770380	0.81	cps
Yttrium	89-2	9489785	9313984	9339954	9381241	1.01	cps
Zinc	66-2	9579428	9599969	9598576	9592658	0.12	cps
Zirconium	90-1	22368695	22859888	22827296	22685293	1.21	cps
Zirconium	91-1	4936899	4952857	5039785	4976514	1.11	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	CCB004	Instrumnet Name :	P7
Client Sample ID :	CCB004	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:19:57	DataFile Name :	018CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1044	1077	910	1010	8.73	cps
Antimony	121-1	5721	6011	7465	6399	14.60	cps
Arsenic	75-2	33	10	30	24	51.62	cps
Barium	135-1	2817	1417	837	1690	60.23	cps
Barium	137-1	5044	2594	1343	2994	62.88	cps
Beryllium	9-1	339	261	172	257	32.40	cps
Bismuth	209-1	19423340	19726300	19768611	19639417	0.96	cps
Bismuth	209-2	15919099	15758597	16228719	15968805	1.50	cps
Bromine	81-1	15181	15161	15645	15329	1.79	cps
Bromine	81-2	140	113	100	118	17.29	cps
Cadmium	108-1	80	77	47	68	27.08	cps
Cadmium	106-1	9820	9860	9984	9888	0.86	cps
Cadmium	111-1	7608	7235	7172	7339	3.21	cps
Calcium	43-1	9997	8339	7942	8759	12.44	cps
Calcium	44-1	178913	157166	144958	160346	10.73	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	6588	6425	6685	6566	2.00	cps
Cobalt	59-2	377	383	377	379	1.02	cps
Copper	63-2	4117	3781	3741	3879	5.33	cps
Dysprosium	156-1	47	37	37	40	14.43	cps
Dysprosium	156-2	13	20	30	21	39.75	cps
Erbium	164-1	147	127	167	147	13.64	cps
Erbium	164-2	93	63	117	91	29.35	cps
Gadolinium	160-1	120	107	183	137	29.97	cps
Gadolinium	160-2	1130	1203	1207	1180	3.67	cps
Holmium	165-1	32416785	33586547	33233748	33079026	1.81	cps
Holmium	165-2	23270909	22570955	23231640	23024501	1.71	cps
Indium	115-1	28129910	28555831	28978771	28554837	1.49	cps
Indium	115-2	9856108	9785976	9805387	9815824	0.37	cps
Iron	56-2	59808	55438	53665	56304	5.62	cps
Iron	57-2	2370	2314	2114	2266	5.95	cps
Iron	54-2	6035	6055	5845	5978	1.94	cps
Krypton	83-1	340	280	313	311	9.66	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	CCB004	Instrumnet Name :	P7
Client Sample ID :	CCB004	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:19:57	DataFile Name :	018CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	10751	6568	4804	7375	41.42	cps
Lead	207-1	9293	6068	4084	6482	40.56	cps
Lead	208-1	42320	26937	18955	29404	40.39	cps
Lithium	6-1	3162859	3206830	3263430	3211040	1.57	cps
Magnesium	24-2	6411	5975	5284	5890	9.65	cps
Manganese	55-2	14290	14224	13883	14132	1.54	cps
Molybdenum	94-1	10904	7165	5458	7842	35.52	cps
Molybdenum	95-1	12596	6912	4134	7880	54.73	cps
Molybdenum	96-1	14184	8039	4971	9065	51.75	cps
Molybdenum	97-1	8026	4377	2500	4968	56.56	cps
Molybdenum	98-1	20305	10824	7042	12723	53.70	cps
Neodymium	150-1	20	7	23	17	52.90	cps
Neodymium	150-2	17	17	20	18	10.81	cps
Nickel	60-2	777	760	810	782	3.25	cps
Phosphorus	31-2	467	357	420	414	13.32	cps
Potassium	39-2	99013	97832	95658	97501	1.75	cps
Rhodium	103-1	26386505	27100725	27207715	26898315	1.66	cps
Rhodium	103-2	16266776	16143611	15963704	16124697	0.95	cps
Scandium	45-1	15464183	15738492	15809305	15670660	1.16	cps
Scandium	45-2	1324399	1284631	1293483	1300838	1.61	cps
Selenium	82-1	586	566	474	542	10.97	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	477	453	457	462	2.73	cps
Silicon	28-1	1293673	1269350	1288007	1283676	0.99	cps
Silver	107-1	3801	2047	1307	2385	53.71	cps
Silver	109-1	3407	1840	1023	2090	57.95	cps
Sodium	23-2	96564	94440	94410	95138	1.30	cps
Strontium	86-1	1597	1360	1167	1375	15.67	cps
Strontium	88-1	9740	6668	5124	7178	32.74	cps
Sulfur	34-1	249973	249807	253492	251090	0.83	cps
Terbium	159-1	33273425	34194739	34212747	33893637	1.58	cps
Terbium	159-2	22715155	22505943	22740693	22653930	0.57	cps
Thallium	203-1	3584	2497	1783	2621	34.59	cps
Thallium	205-1	7942	5505	4501	5983	29.58	cps
Tin	118-1	10164	9583	9246	9664	4.80	cps
Titanium	47-1	2774	1637	877	1762	54.17	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	CCB004	Instrumnet Name :	P7
Client Sample ID :	CCB004	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:19:57	DataFile Name :	018CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	5441	2704	1213	3119	68.74	cps
Vanadium	51-2	123	93	103	107	14.32	cps
Yttrium	89-1	37611401	38360562	38642746	38204903	1.40	cps
Yttrium	89-2	9489899	9457784	9434440	9460708	0.29	cps
Zinc	66-2	14290	14407	13643	14113	2.92	cps
Zirconium	90-1	9827	8376	8169	8791	10.28	cps
Zirconium	91-1	2257	1783	1700	1913	15.69	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	PB165018BL	Instrumnet Name :	P7
Client Sample ID :	PBW018	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:23:13	DataFile Name :	019CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	692	661	728	694	4.79	cps
Antimony	121-1	940	1263	1680	1295	28.66	cps
Arsenic	75-2	30	10	10	17	69.28	cps
Barium	135-1	370	403	337	370	9.01	cps
Barium	137-1	623	500	553	559	11.07	cps
Beryllium	9-1	78	122	128	109	25.08	cps
Bismuth	209-1	20629353	19898540	19929841	20152578	2.05	cps
Bismuth	209-2	16069632	16063638	15897391	16010220	0.61	cps
Bromine	81-1	15875	16396	16339	16203	1.76	cps
Bromine	81-2	117	90	130	112	18.15	cps
Cadmium	108-1	67	47	17	43	58.07	cps
Cadmium	106-1	10914	10184	10167	10422	4.09	cps
Cadmium	111-1	7727	7233	7202	7387	3.99	cps
Calcium	43-1	6905	7048	7025	6993	1.10	cps
Calcium	44-1	132825	135411	136552	134929	1.42	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	6582	6525	6645	6584	0.91	cps
Cobalt	59-2	217	233	270	240	11.37	cps
Copper	63-2	2770	2744	3097	2870	6.86	cps
Dysprosium	156-1	67	60	50	59	14.25	cps
Dysprosium	156-2	13	17	23	18	28.64	cps
Erbium	164-1	143	137	153	144	5.81	cps
Erbium	164-2	110	87	83	93	15.57	cps
Gadolinium	160-1	160	157	130	149	11.04	cps
Gadolinium	160-2	1097	1240	1173	1170	6.13	cps
Holmium	165-1	34723329	33531931	33918149	34057803	1.78	cps
Holmium	165-2	23320187	23201749	23177138	23233025	0.33	cps
Indium	115-1	30244517	29143081	29296684	29561428	2.02	cps
Indium	115-2	9938519	9906323	9911316	9918719	0.17	cps
Iron	56-2	42391	40000	40143	40845	3.28	cps
Iron	57-2	1890	1847	1677	1805	6.25	cps
Iron	54-2	5231	5154	5034	5140	1.93	cps
Krypton	83-1	300	393	327	340	14.14	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	PB165018BL	Instrumnet Name :	P7
Client Sample ID :	PBW018	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:23:13	DataFile Name :	019CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3474	3060	3180	3238	6.57	cps
Lead	207-1	2854	2800	2527	2727	6.43	cps
Lead	208-1	13243	12873	12516	12877	2.82	cps
Lithium	6-1	3267132	3332292	3239730	3279718	1.45	cps
Magnesium	24-2	3604	3610	3517	3577	1.46	cps
Manganese	55-2	13856	13353	14274	13828	3.33	cps
Molybdenum	94-1	1257	1440	1573	1423	11.17	cps
Molybdenum	95-1	417	537	590	514	17.26	cps
Molybdenum	96-1	713	803	863	793	9.52	cps
Molybdenum	97-1	360	367	347	358	2.85	cps
Molybdenum	98-1	753	843	973	857	12.91	cps
Neodymium	150-1	20	7	20	16	49.47	cps
Neodymium	150-2	3	17	13	11	62.48	cps
Nickel	60-2	690	773	680	714	7.17	cps
Phosphorus	31-2	393	390	347	377	6.91	cps
Potassium	39-2	90490	90426	89890	90269	0.37	cps
Rhodium	103-1	28440798	27808000	28036330	28095043	1.14	cps
Rhodium	103-2	16497809	16380906	16197263	16358659	0.93	cps
Scandium	45-1	16368702	16328609	16082621	16259977	0.95	cps
Scandium	45-2	1315974	1345373	1330459	1330602	1.10	cps
Selenium	82-1	646	496	462	535	18.28	cps
Selenium	77-2	0	13	3	6	124.93	cps
Selenium	78-2	533	457	500	497	7.74	cps
Silicon	28-1	1253997	1286522	1280646	1273722	1.36	cps
Silver	107-1	500	440	400	447	11.27	cps
Silver	109-1	393	400	333	376	9.78	cps
Sodium	23-2	85147	84520	84956	84874	0.38	cps
Strontium	86-1	1040	890	1003	978	8.00	cps
Strontium	88-1	3791	3781	4237	3936	6.63	cps
Sulfur	34-1	260701	263626	264044	262790	0.69	cps
Terbium	159-1	35543713	34390300	34823370	34919128	1.67	cps
Terbium	159-2	22647672	22801662	23343246	22930860	1.59	cps
Thallium	203-1	1277	1137	1170	1195	6.12	cps
Thallium	205-1	2800	2787	2624	2737	3.60	cps
Tin	118-1	8473	8539	8940	8651	2.92	cps
Titanium	47-1	277	330	253	287	13.71	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	PB165018BL	Instrumnet Name :	P7
Client Sample ID :	PBW018	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:23:13	DataFile Name :	019CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	167	83	113	121	34.85	cps
Vanadium	51-2	53	53	63	57	10.19	cps
Yttrium	89-1	39867981	39101945	39465266	39478397	0.97	cps
Yttrium	89-2	9497724	9534534	9536735	9522998	0.23	cps
Zinc	66-2	14337	14033	13963	14111	1.41	cps
Zirconium	90-1	3034	3377	3741	3384	10.45	cps
Zirconium	91-1	607	703	853	721	17.24	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	PB165018BS	Instrumnet Name :	P7
Client Sample ID :	LCS018	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:26:27	DataFile Name :	020LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	22268	21777	22311	22119	1.34	cps
Antimony	121-1	102784	105768	107958	105504	2.46	cps
Arsenic	75-2	2700	2954	2730	2795	4.95	cps
Barium	135-1	122118	126126	126301	124848	1.89	cps
Barium	137-1	214164	218710	220124	217666	1.43	cps
Beryllium	9-1	5201	5212	5434	5282	2.49	cps
Bismuth	209-1	19691128	19073761	19245564	19336817	1.65	cps
Bismuth	209-2	16292716	16137895	16002451	16144354	0.90	cps
Bromine	81-1	16636	16556	17153	16782	1.93	cps
Bromine	81-2	93	127	77	99	25.75	cps
Cadmium	108-1	857	1000	1143	1000	14.33	cps
Cadmium	106-1	11818	11508	11188	11505	2.74	cps
Cadmium	111-1	21099	21342	20601	21014	1.80	cps
Calcium	43-1	74750	76987	78214	76650	2.29	cps
Calcium	44-1	1213249	1245269	1259209	1239242	1.90	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	50424	49815	49732	49990	0.76	cps
Cobalt	59-2	35636	36521	35268	35808	1.80	cps
Copper	63-2	56660	55178	56416	56085	1.42	cps
Dysprosium	156-1	47	57	43	49	14.20	cps
Dysprosium	156-2	20	37	23	27	33.08	cps
Erbium	164-1	180	90	160	143	32.97	cps
Erbium	164-2	113	70	77	87	26.92	cps
Gadolinium	160-1	160	183	127	157	18.18	cps
Gadolinium	160-2	1247	1227	1177	1217	2.96	cps
Holmium	165-1	33598022	32443549	32751075	32930882	1.82	cps
Holmium	165-2	23578185	23235338	23257375	23356966	0.82	cps
Indium	115-1	29256499	28599612	28914786	28923632	1.14	cps
Indium	115-2	9986982	9979827	10013662	9993490	0.18	cps
Iron	56-2	4091740	4068539	4140855	4100378	0.90	cps
Iron	57-2	105118	103134	104453	104235	0.97	cps
Iron	54-2	229023	231089	230227	230113	0.45	cps
Krypton	83-1	320	287	283	297	6.84	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	PB165018BS	Instrumnet Name :	P7
Client Sample ID :	LCS018	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:26:27	DataFile Name :	020LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	39133	40597	40918	40216	2.37	cps
Lead	207-1	34851	36566	35897	35772	2.42	cps
Lead	208-1	158703	163301	163674	161893	1.71	cps
Lithium	6-1	3293949	3113727	3187469	3198382	2.83	cps
Magnesium	24-2	934523	936146	927046	932571	0.52	cps
Manganese	55-2	29896	30548	31035	30493	1.87	cps
Molybdenum	94-1	111141	111383	112954	111826	0.88	cps
Molybdenum	95-1	131723	136543	136395	134887	2.03	cps
Molybdenum	96-1	148734	152233	152660	151209	1.42	cps
Molybdenum	97-1	83319	84569	85056	84315	1.06	cps
Molybdenum	98-1	214936	220936	219381	218418	1.43	cps
Neodymium	150-1	17	30	37	28	36.66	cps
Neodymium	150-2	10	20	23	18	39.03	cps
Nickel	60-2	9697	10100	10147	9981	2.48	cps
Phosphorus	31-2	407	397	437	413	5.04	cps
Potassium	39-2	1206337	1212910	1218123	1212457	0.49	cps
Rhodium	103-1	27953833	27332916	27231085	27505945	1.42	cps
Rhodium	103-2	16507827	16362134	16321728	16397229	0.60	cps
Scandium	45-1	16199469	15700221	16136028	16011906	1.70	cps
Scandium	45-2	1312519	1320081	1353983	1328861	1.66	cps
Selenium	82-1	4520	4818	4701	4680	3.20	cps
Selenium	77-2	457	380	400	412	9.65	cps
Selenium	78-2	1773	1823	1803	1800	1.40	cps
Silicon	28-1	1512200	1530928	1546991	1530040	1.14	cps
Silver	107-1	69154	70798	71254	70402	1.57	cps
Silver	109-1	65517	66736	68297	66850	2.08	cps
Sodium	23-2	1607959	1589034	1639111	1612035	1.57	cps
Strontium	86-1	17594	17724	18231	17850	1.89	cps
Strontium	88-1	151360	153343	154350	153018	0.99	cps
Sulfur	34-1	277499	279251	281920	279557	0.80	cps
Terbium	159-1	34454049	33486583	33792477	33911036	1.46	cps
Terbium	159-2	23212559	23029615	23161936	23134703	0.41	cps
Thallium	203-1	46332	46235	46961	46509	0.85	cps
Thallium	205-1	108192	109937	111176	109768	1.37	cps
Tin	118-1	8496	8903	9223	8874	4.11	cps
Titanium	47-1	32652	33487	33567	33235	1.53	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	PB165018BS	Instrumnet Name :	P7
Client Sample ID :	LCS018	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:26:27	DataFile Name :	020LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	129948	133149	136602	133233	2.50	cps
Vanadium	51-2	92149	91532	91200	91627	0.53	cps
Yttrium	89-1	39339742	38251927	38940327	38843999	1.42	cps
Yttrium	89-2	9665945	9533687	9568719	9589450	0.71	cps
Zinc	66-2	36825	36458	36070	36451	1.04	cps
Zirconium	90-1	93941	97843	97138	96308	2.16	cps
Zirconium	91-1	20838	21579	20858	21092	2.00	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	PB165103BL	Instrumnet Name :	P7
Client Sample ID :	PBW103	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:29:41	DataFile Name :	021CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	701	651	721	691	5.19	cps
Antimony	121-1	453	547	640	547	17.07	cps
Arsenic	75-2	17	17	3	12	63.01	cps
Barium	135-1	350	353	407	370	8.59	cps
Barium	137-1	610	660	580	617	6.55	cps
Beryllium	9-1	61	67	78	69	12.39	cps
Bismuth	209-1	19771608	19812836	19877437	19820627	0.27	cps
Bismuth	209-2	16143868	16297169	16105137	16182058	0.63	cps
Bromine	81-1	17300	17540	17324	17388	0.76	cps
Bromine	81-2	100	113	80	98	17.16	cps
Cadmium	108-1	37	43	37	39	9.89	cps
Cadmium	106-1	10697	10374	10591	10554	1.56	cps
Cadmium	111-1	7556	7348	7468	7457	1.40	cps
Calcium	43-1	7088	7529	7365	7327	3.04	cps
Calcium	44-1	137533	137261	137695	137496	0.16	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	7225	6648	6985	6953	4.17	cps
Cobalt	59-2	330	297	337	321	6.67	cps
Copper	63-2	2800	2850	2854	2835	1.05	cps
Dysprosium	156-1	43	30	43	39	19.79	cps
Dysprosium	156-2	17	10	17	14	26.66	cps
Erbium	164-1	97	107	160	121	28.11	cps
Erbium	164-2	77	63	87	76	15.50	cps
Gadolinium	160-1	187	160	167	171	8.11	cps
Gadolinium	160-2	1163	1250	1187	1200	3.74	cps
Holmium	165-1	33747209	33860863	34165945	33924672	0.64	cps
Holmium	165-2	23343215	23426120	23230876	23333404	0.42	cps
Indium	115-1	29516668	29402075	29926174	29614972	0.93	cps
Indium	115-2	10083894	9966650	10079164	10043236	0.66	cps
Iron	56-2	41216	41236	42015	41489	1.10	cps
Iron	57-2	1947	1990	1930	1956	1.58	cps
Iron	54-2	5461	5418	5418	5432	0.46	cps
Krypton	83-1	287	290	260	279	5.90	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	PB165103BL	Instrumnet Name :	P7
Client Sample ID :	PBW103	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:29:41	DataFile Name :	021CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2997	3170	3004	3057	3.21	cps
Lead	207-1	2670	2527	2820	2673	5.49	cps
Lead	208-1	11732	12106	12162	12000	1.95	cps
Lithium	6-1	3247186	3288040	3247186	3260804	0.72	cps
Magnesium	24-2	3784	3804	3977	3855	2.76	cps
Manganese	55-2	14380	14020	13930	14110	1.69	cps
Molybdenum	94-1	1107	1190	1864	1387	29.93	cps
Molybdenum	95-1	317	290	987	531	74.36	cps
Molybdenum	96-1	387	507	1608	834	80.73	cps
Molybdenum	97-1	220	153	650	341	79.05	cps
Molybdenum	98-1	517	497	1374	796	62.94	cps
Neodymium	150-1	23	23	30	26	15.07	cps
Neodymium	150-2	10	27	3	13	90.16	cps
Nickel	60-2	757	807	703	756	6.84	cps
Phosphorus	31-2	390	463	400	418	9.52	cps
Potassium	39-2	87446	86608	86504	86852	0.59	cps
Rhodium	103-1	28034065	28250679	28556416	28280387	0.93	cps
Rhodium	103-2	16688611	16411470	16515424	16538502	0.85	cps
Scandium	45-1	16221555	16408684	16652528	16427589	1.32	cps
Scandium	45-2	1365117	1336128	1385313	1362186	1.81	cps
Selenium	82-1	652	629	591	624	4.94	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	453	473	440	456	3.68	cps
Silicon	28-1	1289496	1324784	1329511	1314597	1.66	cps
Silver	107-1	430	500	510	480	9.08	cps
Silver	109-1	390	367	410	389	5.58	cps
Sodium	23-2	79993	79936	79966	79965	0.04	cps
Strontium	86-1	930	960	1120	1003	10.18	cps
Strontium	88-1	4147	4331	4988	4489	9.85	cps
Sulfur	34-1	283818	281546	282412	282592	0.41	cps
Terbium	159-1	34647900	35303484	34933479	34961621	0.94	cps
Terbium	159-2	23593337	23035868	23103803	23244336	1.31	cps
Thallium	203-1	853	737	913	834	10.77	cps
Thallium	205-1	1940	1867	1867	1891	2.24	cps
Tin	118-1	8102	8363	8553	8339	2.71	cps
Titanium	47-1	270	257	267	264	2.62	cps

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On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	PB165103BL	Instrumnet Name :	P7
Client Sample ID :	PBW103	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:29:41	DataFile Name :	021CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	100	77	90	89	13.17	cps
Vanadium	51-2	30	37	33	33	10.01	cps
Yttrium	89-1	39641622	39950238	40178509	39923456	0.67	cps
Yttrium	89-2	9748514	9737266	9704352	9730044	0.24	cps
Zinc	66-2	14741	14674	13933	14449	3.10	cps
Zirconium	90-1	2410	2704	3247	2787	15.24	cps
Zirconium	91-1	473	650	690	604	19.07	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	PB165103BS	Instrumnet Name :	P7
Client Sample ID :	LCS103	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:32:55	DataFile Name :	022CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	22475	21696	22276	22149	1.83	cps
Antimony	121-1	104153	105930	106370	105484	1.11	cps
Arsenic	75-2	2747	2754	2730	2744	0.44	cps
Barium	135-1	125017	125292	128652	126320	1.60	cps
Barium	137-1	216442	220496	217286	218075	0.98	cps
Beryllium	9-1	5151	5384	5123	5219	2.75	cps
Bismuth	209-1	19792669	19849611	19642761	19761680	0.54	cps
Bismuth	209-2	16127281	16016020	15757014	15966772	1.19	cps
Bromine	81-1	16740	17747	17387	17291	2.95	cps
Bromine	81-2	130	97	87	104	21.72	cps
Cadmium	108-1	1060	1060	1013	1044	2.58	cps
Cadmium	106-1	11942	11942	12078	11987	0.66	cps
Cadmium	111-1	21424	21431	21649	21501	0.60	cps
Calcium	43-1	76120	76890	78113	77041	1.30	cps
Calcium	44-1	1254501	1262203	1267698	1261467	0.53	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	49943	51548	50384	50625	1.64	cps
Cobalt	59-2	35656	36605	35936	36066	1.35	cps
Copper	63-2	56503	56469	56456	56476	0.04	cps
Dysprosium	156-1	27	50	83	53	53.39	cps
Dysprosium	156-2	30	20	27	26	19.92	cps
Erbium	164-1	167	153	110	143	20.67	cps
Erbium	164-2	63	90	80	78	17.32	cps
Gadolinium	160-1	110	120	157	129	19.06	cps
Gadolinium	160-2	1313	1233	1353	1300	4.70	cps
Holmium	165-1	33752471	34011024	34225630	33996375	0.70	cps
Holmium	165-2	23322570	23024787	23296777	23214711	0.71	cps
Indium	115-1	29419736	29344536	29775571	29513281	0.78	cps
Indium	115-2	10217920	10061326	9869002	10049416	1.74	cps
Iron	56-2	4153091	4151128	4120644	4141621	0.44	cps
Iron	57-2	104084	105426	104641	104717	0.64	cps
Iron	54-2	231178	230334	234166	231892	0.87	cps
Krypton	83-1	300	303	293	299	1.70	cps

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	PB165103BS	Instrumnet Name :	P7
Client Sample ID :	LCS103	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:32:55	DataFile Name :	022CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	39216	40644	40477	40112	1.95	cps
Lead	207-1	34511	34871	35296	34893	1.13	cps
Lead	208-1	157399	161264	159190	159284	1.21	cps
Lithium	6-1	3226570	3297878	3285670	3270039	1.17	cps
Magnesium	24-2	938603	940161	938859	939208	0.09	cps
Manganese	55-2	30938	30782	30822	30847	0.26	cps
Molybdenum	94-1	111695	114224	115134	113685	1.57	cps
Molybdenum	95-1	134976	136896	136947	136273	0.82	cps
Molybdenum	96-1	150361	152408	152586	151785	0.81	cps
Molybdenum	97-1	84703	85649	85518	85290	0.60	cps
Molybdenum	98-1	216749	218915	221183	218949	1.01	cps
Neodymium	150-1	20	20	27	22	17.33	cps
Neodymium	150-2	10	10	7	9	21.63	cps
Nickel	60-2	10077	10584	10234	10298	2.52	cps
Phosphorus	31-2	417	423	467	436	6.23	cps
Potassium	39-2	1240555	1217407	1210074	1222679	1.30	cps
Rhodium	103-1	28318998	28270995	28367175	28319056	0.17	cps
Rhodium	103-2	16661153	16374854	16227686	16421231	1.34	cps
Scandium	45-1	16394264	16799240	16799086	16664197	1.40	cps
Scandium	45-2	1330792	1344420	1354421	1343211	0.88	cps
Selenium	82-1	4847	4694	4693	4744	1.87	cps
Selenium	77-2	403	347	367	372	7.72	cps
Selenium	78-2	1837	1773	1873	1828	2.77	cps
Silicon	28-1	1543309	1568290	1566643	1559414	0.90	cps
Silver	107-1	69569	72141	71729	71147	1.94	cps
Silver	109-1	66441	67653	68383	67493	1.45	cps
Sodium	23-2	1591000	1650633	1613869	1618501	1.86	cps
Strontium	86-1	18145	18478	18311	18311	0.91	cps
Strontium	88-1	153226	154017	155220	154154	0.65	cps
Sulfur	34-1	295208	294481	294727	294805	0.13	cps
Terbium	159-1	34649046	34842659	34667171	34719625	0.31	cps
Terbium	159-2	22988906	22940930	23264045	23064627	0.76	cps
Thallium	203-1	45813	45904	46466	46061	0.77	cps
Thallium	205-1	107218	109126	110675	109007	1.59	cps
Tin	118-1	8776	9230	8980	8995	2.53	cps
Titanium	47-1	32916	33193	33423	33177	0.77	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	PB165103BS	Instrumnet Name :	P7
Client Sample ID :	LCS103	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:32:55	DataFile Name :	022CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	131371	133175	132957	132501	0.74	cps
Vanadium	51-2	92592	91559	91807	91986	0.59	cps
Yttrium	89-1	39644387	40732878	40044658	40140641	1.37	cps
Yttrium	89-2	9720508	9643643	9670118	9678090	0.40	cps
Zinc	66-2	35071	35699	35689	35487	1.01	cps
Zirconium	90-1	95424	96642	98151	96739	1.41	cps
Zirconium	91-1	20718	21215	21876	21270	2.73	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	PB165104BL	Instrumnet Name :	P7
Client Sample ID :	PBW104	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:36:08	DataFile Name :	023SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	634	611	634	626	2.15	cps
Antimony	121-1	323	370	443	379	15.97	cps
Arsenic	75-2	13	13	17	14	13.35	cps
Barium	135-1	340	343	390	358	7.81	cps
Barium	137-1	580	577	623	593	4.39	cps
Beryllium	9-1	94	89	94	93	3.47	cps
Bismuth	209-1	20066660	18609591	19568275	19414842	3.81	cps
Bismuth	209-2	16030443	16092796	15855601	15992947	0.77	cps
Bromine	81-1	18175	17153	17591	17640	2.90	cps
Bromine	81-2	113	83	110	102	16.09	cps
Cadmium	108-1	33	20	10	21	55.45	cps
Cadmium	106-1	10884	9947	10637	10489	4.63	cps
Cadmium	111-1	7682	7049	7512	7414	4.42	cps
Calcium	43-1	6992	7515	7385	7297	3.74	cps
Calcium	44-1	135754	139564	139407	138242	1.56	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	6975	6682	7002	6886	2.58	cps
Cobalt	59-2	310	347	380	346	10.13	cps
Copper	63-2	2930	2814	2797	2847	2.55	cps
Dysprosium	156-1	17	43	40	33	43.58	cps
Dysprosium	156-2	10	3	20	11	75.52	cps
Erbium	164-1	140	107	150	132	17.16	cps
Erbium	164-2	60	107	70	79	31.15	cps
Gadolinium	160-1	230	143	147	173	28.33	cps
Gadolinium	160-2	1233	1187	1290	1237	4.18	cps
Holmium	165-1	34618977	31758615	33768635	33382075	4.40	cps
Holmium	165-2	23152414	23159295	23160973	23157561	0.02	cps
Indium	115-1	30710920	27744403	29923627	29459650	5.22	cps
Indium	115-2	9999763	10024615	9985357	10003245	0.20	cps
Iron	56-2	41898	41581	41521	41667	0.49	cps
Iron	57-2	1893	1987	2060	1980	4.22	cps
Iron	54-2	5448	5384	5178	5337	2.65	cps
Krypton	83-1	340	360	327	342	4.90	cps

Reviewed By:Mohan
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Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	PB165104BL	Instrumnet Name :	P7
Client Sample ID :	PBW104	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:36:08	DataFile Name :	023SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2740	2844	2820	2801	1.94	cps
Lead	207-1	2454	2560	2524	2512	2.16	cps
Lead	208-1	11285	11232	11479	11332	1.15	cps
Lithium	6-1	3366945	3116670	3273019	3252211	3.89	cps
Magnesium	24-2	3574	3680	3520	3592	2.27	cps
Manganese	55-2	14837	14494	14163	14498	2.32	cps
Molybdenum	94-1	867	953	1013	944	7.81	cps
Molybdenum	95-1	233	197	203	211	9.25	cps
Molybdenum	96-1	443	377	400	407	8.32	cps
Molybdenum	97-1	207	110	137	151	33.04	cps
Molybdenum	98-1	380	310	307	332	12.46	cps
Neodymium	150-1	20	17	10	16	32.73	cps
Neodymium	150-2	10	13	7	10	33.30	cps
Nickel	60-2	713	743	633	697	8.16	cps
Phosphorus	31-2	453	440	397	430	6.89	cps
Potassium	39-2	85381	84245	84087	84571	0.83	cps
Rhodium	103-1	29343081	27075391	28677407	28365293	4.11	cps
Rhodium	103-2	16298146	16343554	16365028	16335576	0.21	cps
Scandium	45-1	16819266	15580569	16717286	16372374	4.20	cps
Scandium	45-2	1341757	1361372	1355090	1352740	0.74	cps
Selenium	82-1	525	419	446	464	11.93	cps
Selenium	77-2	3	3	0	2	86.60	cps
Selenium	78-2	527	513	440	493	9.46	cps
Silicon	28-1	1361522	1354072	1354477	1356690	0.31	cps
Silver	107-1	473	460	363	432	13.89	cps
Silver	109-1	370	287	267	308	17.81	cps
Sodium	23-2	76381	77145	80112	77880	2.53	cps
Strontium	86-1	967	1037	1000	1001	3.50	cps
Strontium	88-1	4341	4331	4361	4344	0.35	cps
Sulfur	34-1	294773	291678	294464	293638	0.58	cps
Terbium	159-1	35360808	32968430	34803280	34377506	3.64	cps
Terbium	159-2	22957643	22622980	22998370	22859664	0.90	cps
Thallium	203-1	620	723	540	628	14.64	cps
Thallium	205-1	1603	1643	1460	1569	6.14	cps
Tin	118-1	8202	8219	8339	8254	0.90	cps
Titanium	47-1	327	250	270	282	14.09	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	PB165104BL	Instrumnet Name :	P7
Client Sample ID :	PBW104	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:36:08	DataFile Name :	023SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	103	87	77	89	15.16	cps
Vanadium	51-2	63	50	63	59	13.07	cps
Yttrium	89-1	40621571	37629187	40329955	39526904	4.17	cps
Yttrium	89-2	9586456	9590678	9689680	9622272	0.61	cps
Zinc	66-2	14180	14100	14244	14175	0.51	cps
Zirconium	90-1	2450	2420	2907	2592	10.52	cps
Zirconium	91-1	463	550	593	536	12.36	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	PB165104BS	Instrumnet Name :	P7
Client Sample ID :	LCS104	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:39:22	DataFile Name :	024SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	21497	21970	21949	21806	1.22	cps
Antimony	121-1	105023	105738	106225	105662	0.57	cps
Arsenic	75-2	2820	2814	2770	2801	0.97	cps
Barium	135-1	124132	126744	126519	125798	1.15	cps
Barium	137-1	215271	219171	218052	217498	0.92	cps
Beryllium	9-1	5073	4890	4879	4947	2.21	cps
Bismuth	209-1	19413621	19421737	19529627	19454995	0.33	cps
Bismuth	209-2	15742280	16051962	15940369	15911537	0.99	cps
Bromine	81-1	17023	16927	16987	16979	0.29	cps
Bromine	81-2	103	103	107	104	1.84	cps
Cadmium	108-1	1123	1100	1090	1105	1.55	cps
Cadmium	106-1	12569	12105	11835	12170	3.05	cps
Cadmium	111-1	21605	22027	21325	21652	1.63	cps
Calcium	43-1	76853	78562	77677	77698	1.10	cps
Calcium	44-1	1215959	1266945	1249917	1244274	2.09	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	50564	50026	50926	50505	0.90	cps
Cobalt	59-2	36421	36140	35930	36164	0.68	cps
Copper	63-2	56630	56239	56583	56484	0.38	cps
Dysprosium	156-1	43	57	33	44	26.35	cps
Dysprosium	156-2	23	23	20	22	8.65	cps
Erbium	164-1	140	130	153	141	8.30	cps
Erbium	164-2	97	63	57	72	29.67	cps
Gadolinium	160-1	150	170	163	161	6.32	cps
Gadolinium	160-2	1160	1270	1187	1206	4.76	cps
Holmium	165-1	33828760	33618497	33536297	33661185	0.45	cps
Holmium	165-2	23067145	22900858	22800986	22922996	0.59	cps
Indium	115-1	29452040	30164057	29884930	29833676	1.20	cps
Indium	115-2	9976758	9961773	10066127	10001552	0.56	cps
Iron	56-2	4110263	4109558	4053957	4091259	0.79	cps
Iron	57-2	103872	104251	103476	103867	0.37	cps
Iron	54-2	230190	229666	227835	229230	0.54	cps
Krypton	83-1	347	287	310	314	9.62	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	PB165104BS	Instrumnet Name :	P7
Client Sample ID :	LCS104	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:39:22	DataFile Name :	024SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	38671	39119	39437	39076	0.98	cps
Lead	207-1	34688	34634	34454	34592	0.35	cps
Lead	208-1	155559	157335	156724	156539	0.58	cps
Lithium	6-1	3226148	3260476	3126259	3204294	2.18	cps
Magnesium	24-2	924988	918532	931737	925086	0.71	cps
Manganese	55-2	30594	30174	30387	30385	0.69	cps
Molybdenum	94-1	111053	113814	112669	112512	1.23	cps
Molybdenum	95-1	134037	136695	136655	135795	1.12	cps
Molybdenum	96-1	149576	153600	153041	152072	1.43	cps
Molybdenum	97-1	84331	84951	85052	84778	0.46	cps
Molybdenum	98-1	216559	218737	221103	218799	1.04	cps
Neodymium	150-1	20	33	20	24	31.49	cps
Neodymium	150-2	0	3	20	8	137.80	cps
Nickel	60-2	10224	10020	10117	10120	1.01	cps
Phosphorus	31-2	430	413	443	429	3.50	cps
Potassium	39-2	1212953	1216796	1219750	1216500	0.28	cps
Rhodium	103-1	28415933	28334436	28216450	28322273	0.35	cps
Rhodium	103-2	16352957	16429998	16396961	16393305	0.24	cps
Scandium	45-1	16400976	16778808	16651701	16610495	1.16	cps
Scandium	45-2	1352301	1324171	1323531	1333335	1.23	cps
Selenium	82-1	4752	4850	4629	4744	2.33	cps
Selenium	77-2	407	327	380	371	10.98	cps
Selenium	78-2	1763	1860	1877	1833	3.34	cps
Silicon	28-1	1594121	1632267	1580802	1602397	1.67	cps
Silver	107-1	68990	70791	70859	70213	1.51	cps
Silver	109-1	66033	67603	68712	67449	2.00	cps
Sodium	23-2	1620279	1588672	1618936	1609296	1.11	cps
Strontium	86-1	17747	18251	18028	18009	1.40	cps
Strontium	88-1	152480	153370	156106	153985	1.23	cps
Sulfur	34-1	299386	295133	296707	297075	0.72	cps
Terbium	159-1	34628015	34885654	34796354	34770008	0.38	cps
Terbium	159-2	22805586	22934546	22874310	22871481	0.28	cps
Thallium	203-1	45011	45586	45736	45444	0.84	cps
Thallium	205-1	106839	108199	106358	107132	0.89	cps
Tin	118-1	8733	8569	8659	8654	0.95	cps
Titanium	47-1	33330	34422	33617	33790	1.68	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	PB165104BS	Instrumnet Name :	P7
Client Sample ID :	LCS104	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:39:22	DataFile Name :	024SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	128981	130563	130212	129919	0.64	cps
Vanadium	51-2	90697	91271	89902	90623	0.76	cps
Yttrium	89-1	39596123	40026025	39756778	39792975	0.55	cps
Yttrium	89-2	9636454	9626396	9599286	9620712	0.20	cps
Zinc	66-2	35038	34794	34737	34856	0.46	cps
Zirconium	90-1	95333	97340	97189	96621	1.16	cps
Zirconium	91-1	21553	21339	21205	21366	0.82	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	PB165107BL	Instrumnet Name :	P7
Client Sample ID :	PBS107	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:42:35	DataFile Name :	025SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	634	621	567	608	5.83	cps
Antimony	121-1	187	193	297	226	27.34	cps
Arsenic	75-2	3	20	13	12	68.66	cps
Barium	135-1	337	407	350	364	10.20	cps
Barium	137-1	670	653	560	628	9.44	cps
Beryllium	9-1	83	78	39	67	36.33	cps
Bismuth	209-1	19438283	19569898	19632792	19546991	0.51	cps
Bismuth	209-2	15962388	16002951	15960411	15975250	0.15	cps
Bromine	81-1	17053	16443	16713	16736	1.83	cps
Bromine	81-2	67	127	107	100	30.55	cps
Cadmium	108-1	40	30	40	37	15.75	cps
Cadmium	106-1	10634	10387	10377	10466	1.39	cps
Cadmium	111-1	7459	7310	7306	7358	1.19	cps
Calcium	43-1	7352	7555	7682	7530	2.21	cps
Calcium	44-1	135852	137550	137678	137027	0.74	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	6688	6772	6722	6727	0.62	cps
Cobalt	59-2	317	257	330	301	12.97	cps
Copper	63-2	2560	2427	2710	2566	5.53	cps
Dysprosium	156-1	43	70	47	53	27.24	cps
Dysprosium	156-2	17	40	10	22	70.88	cps
Erbium	164-1	117	140	160	139	15.61	cps
Erbium	164-2	80	53	87	73	24.06	cps
Gadolinium	160-1	177	110	160	149	23.30	cps
Gadolinium	160-2	1277	1277	1263	1272	0.61	cps
Holmium	165-1	32991495	33598061	33643641	33411066	1.09	cps
Holmium	165-2	23122389	22824930	23035157	22994159	0.66	cps
Indium	115-1	29318558	29590977	29598908	29502814	0.54	cps
Indium	115-2	10150498	10065437	9938330	10051422	1.06	cps
Iron	56-2	40003	41213	39666	40294	2.02	cps
Iron	57-2	1877	1907	2107	1963	6.37	cps
Iron	54-2	5514	5138	5208	5287	3.79	cps
Krypton	83-1	267	307	363	312	15.56	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	PB165107BL	Instrumnet Name :	P7
Client Sample ID :	PBS107	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:42:35	DataFile Name :	025SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2757	2600	2584	2647	3.61	cps
Lead	207-1	2294	2284	2307	2295	0.51	cps
Lead	208-1	10842	10208	10658	10570	3.08	cps
Lithium	6-1	3223572	3222880	3243160	3229871	0.36	cps
Magnesium	24-2	3597	3504	3484	3528	1.71	cps
Manganese	55-2	14307	14083	14554	14315	1.64	cps
Molybdenum	94-1	843	933	917	898	5.33	cps
Molybdenum	95-1	180	180	197	186	5.19	cps
Molybdenum	96-1	373	380	337	363	6.42	cps
Molybdenum	97-1	117	137	123	126	8.11	cps
Molybdenum	98-1	290	277	307	291	5.16	cps
Neodymium	150-1	23	13	33	23	42.86	cps
Neodymium	150-2	10	17	13	13	25.01	cps
Nickel	60-2	720	697	690	702	2.24	cps
Phosphorus	31-2	417	423	393	411	3.83	cps
Potassium	39-2	82358	82368	83236	82654	0.61	cps
Rhodium	103-1	28281715	28247258	28489028	28339333	0.46	cps
Rhodium	103-2	16429032	16513214	16316394	16419546	0.60	cps
Scandium	45-1	16326814	16458364	16632838	16472672	0.93	cps
Scandium	45-2	1345843	1366287	1380904	1364345	1.29	cps
Selenium	82-1	549	460	506	505	8.85	cps
Selenium	77-2	7	3	0	3	100.05	cps
Selenium	78-2	500	507	513	507	1.32	cps
Silicon	28-1	1361532	1423946	1388675	1391384	2.25	cps
Silver	107-1	453	333	403	397	15.20	cps
Silver	109-1	313	277	243	278	12.60	cps
Sodium	23-2	74274	74442	74402	74373	0.12	cps
Strontium	86-1	983	957	1043	994	4.46	cps
Strontium	88-1	4291	4574	4361	4408	3.35	cps
Sulfur	34-1	289822	290524	289775	290040	0.14	cps
Terbium	159-1	34386433	34295100	34596979	34426171	0.45	cps
Terbium	159-2	22917610	22853073	22661078	22810587	0.58	cps
Thallium	203-1	443	497	447	462	6.46	cps
Thallium	205-1	1107	993	1003	1034	6.07	cps
Tin	118-1	8249	8102	8726	8359	3.90	cps
Titanium	47-1	317	243	237	266	16.71	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	PB165107BL	Instrumnet Name :	P7
Client Sample ID :	PBS107	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:42:35	DataFile Name :	025SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	117	87	70	91	25.96	cps
Vanadium	51-2	57	60	40	52	20.52	cps
Yttrium	89-1	39434718	40267240	40121014	39940991	1.11	cps
Yttrium	89-2	9664983	9719529	9738244	9707585	0.39	cps
Zinc	66-2	14080	14264	13907	14083	1.27	cps
Zirconium	90-1	2060	2384	2567	2337	10.98	cps
Zirconium	91-1	423	543	637	534	20.01	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	PB165107BS	Instrumnet Name :	P7
Client Sample ID :	LCS107	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:45:50	DataFile Name :	026SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	22083	22491	22019	22198	1.15	cps
Antimony	121-1	105396	106991	105933	106107	0.76	cps
Arsenic	75-2	2984	2617	2757	2786	6.64	cps
Barium	135-1	122568	125195	127172	124978	1.85	cps
Barium	137-1	215292	220040	221154	218829	1.42	cps
Beryllium	9-1	5045	5018	4973	5012	0.73	cps
Bismuth	209-1	19097965	19862078	19548399	19502814	1.97	cps
Bismuth	209-2	15980411	16044720	16219249	16081460	0.77	cps
Bromine	81-1	16606	17397	16860	16954	2.38	cps
Bromine	81-2	63	127	90	93	34.07	cps
Cadmium	108-1	1083	920	1010	1004	8.15	cps
Cadmium	106-1	11922	11958	12269	12050	1.58	cps
Cadmium	111-1	21076	21720	21611	21469	1.60	cps
Calcium	43-1	75225	78344	79041	77537	2.62	cps
Calcium	44-1	1238706	1285009	1256458	1260058	1.85	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	51681	51304	51956	51647	0.63	cps
Cobalt	59-2	37032	35706	36377	36372	1.82	cps
Copper	63-2	57704	58022	57386	57704	0.55	cps
Dysprosium	156-1	73	53	33	53	37.50	cps
Dysprosium	156-2	23	30	27	27	12.51	cps
Erbium	164-1	113	147	110	123	16.44	cps
Erbium	164-2	93	103	87	94	8.88	cps
Gadolinium	160-1	150	143	180	158	12.38	cps
Gadolinium	160-2	1310	1337	1270	1306	2.57	cps
Holmium	165-1	33328376	33730586	33536201	33531721	0.60	cps
Holmium	165-2	23050083	23359571	23386621	23265425	0.80	cps
Indium	115-1	29508257	29910381	30179164	29865934	1.13	cps
Indium	115-2	10111691	9999189	9913966	10008282	0.99	cps
Iron	56-2	4170281	4149610	4153321	4157737	0.27	cps
Iron	57-2	105040	105490	103464	104665	1.02	cps
Iron	54-2	232769	231399	231960	232042	0.30	cps
Krypton	83-1	373	343	280	332	14.34	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	PB165107BS	Instrumnet Name :	P7
Client Sample ID :	LCS107	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:45:50	DataFile Name :	026SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	38902	40443	38926	39424	2.24	cps
Lead	207-1	34056	35185	34624	34622	1.63	cps
Lead	208-1	153850	160958	157279	157362	2.26	cps
Lithium	6-1	3149202	3298462	3258918	3235527	2.39	cps
Magnesium	24-2	950136	938057	943110	943767	0.64	cps
Manganese	55-2	30761	31299	30494	30852	1.33	cps
Molybdenum	94-1	111762	113136	114768	113222	1.33	cps
Molybdenum	95-1	134340	136963	136432	135912	1.02	cps
Molybdenum	96-1	151135	154759	153678	153190	1.21	cps
Molybdenum	97-1	84536	86829	86102	85822	1.37	cps
Molybdenum	98-1	217029	221773	218937	219246	1.09	cps
Neodymium	150-1	30	30	37	32	11.95	cps
Neodymium	150-2	17	27	13	19	36.75	cps
Nickel	60-2	10160	9983	10060	10068	0.88	cps
Phosphorus	31-2	470	407	413	430	8.09	cps
Potassium	39-2	1261607	1245787	1239692	1249029	0.91	cps
Rhodium	103-1	28330312	28855769	28742939	28643007	0.97	cps
Rhodium	103-2	16324376	16451016	16308919	16361437	0.48	cps
Scandium	45-1	16623336	16853180	16700484	16725667	0.70	cps
Scandium	45-2	1364665	1367765	1370864	1367765	0.23	cps
Selenium	82-1	4558	4846	4674	4693	3.09	cps
Selenium	77-2	360	400	467	409	13.18	cps
Selenium	78-2	1897	1717	1817	1810	4.98	cps
Silicon	28-1	1606811	1631397	1638931	1625713	1.03	cps
Silver	107-1	70028	70698	71348	70691	0.93	cps
Silver	109-1	66408	67828	68899	67711	1.85	cps
Sodium	23-2	1626470	1641232	1615114	1627605	0.80	cps
Strontium	86-1	18031	18138	18375	18181	0.97	cps
Strontium	88-1	152087	154654	156193	154311	1.34	cps
Sulfur	34-1	302446	300920	303289	302219	0.40	cps
Terbium	159-1	34280642	34511322	35255695	34682553	1.47	cps
Terbium	159-2	23030722	23133151	23433114	23198996	0.90	cps
Thallium	203-1	45616	45857	47011	46161	1.62	cps
Thallium	205-1	106080	109204	108035	107773	1.46	cps
Tin	118-1	8686	9026	9010	8907	2.15	cps
Titanium	47-1	33080	34276	34095	33817	1.91	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	PB165107BS	Instrumnet Name :	P7
Client Sample ID :	LCS107	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:45:50	DataFile Name :	026SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	128577	130398	130348	129774	0.80	cps
Vanadium	51-2	93511	92081	94024	93205	1.08	cps
Yttrium	89-1	39228562	40603668	40507114	40113115	1.91	cps
Yttrium	89-2	9713987	9860493	9750422	9774967	0.78	cps
Zinc	66-2	35064	34694	34032	34597	1.51	cps
Zirconium	90-1	95518	96924	97521	96654	1.06	cps
Zirconium	91-1	20892	21733	21700	21441	2.22	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4728-16	Instrumnet Name :	P7
Client Sample ID :	MBH9G9	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:49:04	DataFile Name :	027SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1235	1198	1565	1333	15.19	cps
Antimony	121-1	183	193	210	196	6.89	cps
Arsenic	75-2	13	3	37	18	96.24	cps
Barium	135-1	303	327	340	323	5.74	cps
Barium	137-1	617	523	503	548	11.04	cps
Beryllium	9-1	44	67	111	74	45.82	cps
Bismuth	209-1	21777926	21514113	21259541	21517193	1.20	cps
Bismuth	209-2	16973684	16824754	17244074	17014170	1.25	cps
Bromine	81-1	17460	18071	17818	17783	1.73	cps
Bromine	81-2	93	110	77	93	17.86	cps
Cadmium	108-1	30	27	37	31	16.37	cps
Cadmium	106-1	12265	11721	10911	11633	5.86	cps
Cadmium	111-1	8621	8256	7655	8178	5.97	cps
Calcium	43-1	2454	2410	2247	2370	4.60	cps
Calcium	44-1	55929	55782	56224	55978	0.40	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4531	4301	4467	4433	2.68	cps
Cobalt	59-2	267	283	227	259	11.25	cps
Copper	63-2	2607	2670	2650	2642	1.23	cps
Dysprosium	156-1	43	53	47	48	10.66	cps
Dysprosium	156-2	20	3	27	17	72.13	cps
Erbium	164-1	150	167	150	156	6.19	cps
Erbium	164-2	83	90	87	87	3.85	cps
Gadolinium	160-1	180	203	170	184	9.28	cps
Gadolinium	160-2	1357	1217	1273	1282	5.49	cps
Holmium	165-1	37344929	36740136	36298010	36794359	1.43	cps
Holmium	165-2	24379995	24232752	24726827	24446525	1.04	cps
Indium	115-1	33001956	32336075	32082026	32473352	1.46	cps
Indium	115-2	10595433	10460674	10695042	10583716	1.11	cps
Iron	56-2	65914	66402	67071	66463	0.87	cps
Iron	57-2	2524	2617	2597	2579	1.91	cps
Iron	54-2	5765	5925	5898	5862	1.46	cps
Krypton	83-1	270	353	333	319	13.64	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4728-16	Instrumnet Name :	P7
Client Sample ID :	MBH9G9	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:49:04	DataFile Name :	027SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1760	1700	1790	1750	2.62	cps
Lead	207-1	1410	1507	1437	1451	3.44	cps
Lead	208-1	6877	6987	6887	6917	0.88	cps
Lithium	6-1	3609796	3529138	3504290	3547741	1.55	cps
Magnesium	24-2	3230	3107	3087	3141	2.47	cps
Manganese	55-2	9196	9413	8913	9174	2.73	cps
Molybdenum	94-1	730	757	673	720	5.91	cps
Molybdenum	95-1	203	193	177	191	7.05	cps
Molybdenum	96-1	307	273	357	312	13.43	cps
Molybdenum	97-1	107	107	137	117	14.85	cps
Molybdenum	98-1	280	267	280	276	2.79	cps
Neodymium	150-1	33	27	23	28	18.33	cps
Neodymium	150-2	13	7	30	17	72.11	cps
Nickel	60-2	687	497	633	606	16.18	cps
Phosphorus	31-2	320	360	460	380	18.98	cps
Potassium	39-2	86889	86024	86919	86611	0.59	cps
Rhodium	103-1	32304326	30888235	30754035	31315532	2.74	cps
Rhodium	103-2	17539140	17295335	17282702	17372392	0.83	cps
Scandium	45-1	18612974	18145649	18145018	18301214	1.48	cps
Scandium	45-2	1436541	1436869	1455817	1443076	0.76	cps
Selenium	82-1	808	580	637	675	17.56	cps
Selenium	77-2	7	0	0	2	173.21	cps
Selenium	78-2	563	443	490	499	12.13	cps
Silicon	28-1	1343651	1342289	1345076	1343672	0.10	cps
Silver	107-1	427	367	343	379	11.35	cps
Silver	109-1	277	210	237	241	13.92	cps
Sodium	23-2	54934	55864	54342	55047	1.39	cps
Strontium	86-1	1087	1083	930	1033	8.66	cps
Strontium	88-1	4554	4611	4547	4571	0.76	cps
Sulfur	34-1	304324	306383	306873	305860	0.44	cps
Terbium	159-1	38487066	38227945	36929174	37881395	2.20	cps
Terbium	159-2	24779086	24209299	24193113	24393833	1.37	cps
Thallium	203-1	467	367	410	414	12.10	cps
Thallium	205-1	1050	1030	1093	1058	3.06	cps
Tin	118-1	4517	4451	4571	4513	1.33	cps
Titanium	47-1	487	507	383	459	14.43	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4728-16	Instrumnet Name :	P7
Client Sample ID :	MBH9G9	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:49:04	DataFile Name :	027SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	50	60	53	54	9.35	cps
Vanadium	51-2	80	97	103	93	12.88	cps
Yttrium	89-1	44674111	44062576	43484623	44073770	1.35	cps
Yttrium	89-2	10329290	10227842	10232994	10263375	0.56	cps
Zinc	66-2	2720	2580	2604	2635	2.85	cps
Zirconium	90-1	1790	1793	1717	1767	2.45	cps
Zirconium	91-1	413	390	467	423	9.28	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4750-22	Instrumnet Name :	P7
Client Sample ID :	MBH9H0	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:52:19	DataFile Name :	028SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1645	1707	1565	1639	4.37	cps
Antimony	121-1	267	213	290	257	15.31	cps
Arsenic	75-2	13	20	17	17	20.01	cps
Barium	135-1	513	477	613	534	13.24	cps
Barium	137-1	887	937	980	934	5.00	cps
Beryllium	9-1	56	44	28	43	32.83	cps
Bismuth	209-1	21265931	20793040	20726213	20928395	1.41	cps
Bismuth	209-2	16945463	16781194	16664189	16796949	0.84	cps
Bromine	81-1	18135	17737	18338	18070	1.69	cps
Bromine	81-2	120	130	123	124	4.09	cps
Cadmium	108-1	20	40	27	29	35.25	cps
Cadmium	106-1	11395	11238	11061	11231	1.49	cps
Cadmium	111-1	8036	7882	7774	7897	1.66	cps
Calcium	43-1	3887	3884	3881	3884	0.09	cps
Calcium	44-1	79209	80036	79453	79566	0.53	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4951	4964	5351	5089	4.47	cps
Cobalt	59-2	263	337	270	290	13.98	cps
Copper	63-2	3154	3034	3174	3120	2.43	cps
Dysprosium	156-1	40	63	47	50	24.03	cps
Dysprosium	156-2	30	33	27	30	11.10	cps
Erbium	164-1	160	200	187	182	11.18	cps
Erbium	164-2	113	123	150	129	14.70	cps
Gadolinium	160-1	177	183	160	173	6.94	cps
Gadolinium	160-2	1433	1253	1300	1329	7.03	cps
Holmium	165-1	36311985	35714875	35665941	35897601	1.00	cps
Holmium	165-2	24099996	24076588	23824231	24000272	0.64	cps
Indium	115-1	32041488	31452358	31227757	31573867	1.33	cps
Indium	115-2	10490026	10579917	10343103	10471015	1.14	cps
Iron	56-2	74222	76804	75483	75503	1.71	cps
Iron	57-2	2884	2880	3024	2929	2.79	cps
Iron	54-2	6959	6088	6515	6521	6.68	cps
Krypton	83-1	347	400	323	357	11.02	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4750-22	Instrumnet Name :	P7
Client Sample ID :	MBH9H0	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:52:19	DataFile Name :	028SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2754	2817	2864	2811	1.96	cps
Lead	207-1	2527	2307	2377	2404	4.68	cps
Lead	208-1	11099	11049	10862	11003	1.13	cps
Lithium	6-1	3482699	3488240	3595640	3522193	1.81	cps
Magnesium	24-2	5628	5925	5741	5764	2.60	cps
Manganese	55-2	16426	16179	16496	16367	1.02	cps
Molybdenum	94-1	1497	1427	1423	1449	2.86	cps
Molybdenum	95-1	1547	1520	1610	1559	2.97	cps
Molybdenum	96-1	1810	1737	1880	1809	3.96	cps
Molybdenum	97-1	963	1117	910	997	10.77	cps
Molybdenum	98-1	2490	2574	2560	2541	1.76	cps
Neodymium	150-1	57	40	77	58	31.78	cps
Neodymium	150-2	23	53	23	33	51.97	cps
Nickel	60-2	587	630	630	616	4.06	cps
Phosphorus	31-2	357	383	400	380	5.75	cps
Potassium	39-2	102076	102274	100978	101776	0.69	cps
Rhodium	103-1	30630411	30190878	30020477	30280589	1.04	cps
Rhodium	103-2	17219259	17254735	17014579	17162858	0.76	cps
Scandium	45-1	18185911	17805263	17821996	17937723	1.20	cps
Scandium	45-2	1435504	1420632	1394221	1416786	1.48	cps
Selenium	82-1	646	507	589	581	11.99	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	623	440	580	548	17.49	cps
Silicon	28-1	1462554	1348441	1342907	1384634	4.88	cps
Silver	107-1	263	267	253	261	2.66	cps
Silver	109-1	173	203	223	200	12.58	cps
Sodium	23-2	134410	134811	134279	134500	0.21	cps
Strontium	86-1	1157	1027	1070	1084	6.10	cps
Strontium	88-1	4784	4861	4891	4845	1.14	cps
Sulfur	34-1	310702	306435	311232	309456	0.85	cps
Terbium	159-1	37084726	36494265	36262084	36613692	1.16	cps
Terbium	159-2	24238929	23963170	23601731	23934610	1.34	cps
Thallium	203-1	363	393	287	348	15.82	cps
Thallium	205-1	797	873	803	824	5.15	cps
Tin	118-1	5384	5371	5258	5338	1.30	cps
Titanium	47-1	550	690	577	606	12.28	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4750-22	Instrumnet Name :	P7
Client Sample ID :	MBH9H0	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:52:19	DataFile Name :	028SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	67	40	23	43	50.45	cps
Vanadium	51-2	197	137	160	164	18.39	cps
Yttrium	89-1	43138613	42541111	42585909	42755211	0.78	cps
Yttrium	89-2	10233303	10250241	10007227	10163590	1.33	cps
Zinc	66-2	3494	3647	3587	3576	2.16	cps
Zirconium	90-1	1900	1810	1747	1819	4.24	cps
Zirconium	91-1	323	383	360	356	8.51	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4806-04A	Instrumnet Name :	P7
Client Sample ID :	MH2GT9A	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:55:35	DataFile Name :	029SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3022813	3067763	3065108	3051895	0.83	cps
Antimony	121-1	149440	148692	149633	149255	0.33	cps
Arsenic	75-2	13696	13646	13276	13540	1.70	cps
Barium	135-1	1761504	1776558	1729793	1755952	1.36	cps
Barium	137-1	3001267	3024611	3025182	3017020	0.45	cps
Beryllium	9-1	939	928	1056	974	7.27	cps
Bismuth	209-1	20024682	20082061	20069886	20058876	0.15	cps
Bismuth	209-2	15967861	15858349	15991670	15939293	0.45	cps
Bromine	81-1	30652	31016	31901	31190	2.06	cps
Bromine	81-2	2790	2754	2830	2791	1.37	cps
Cadmium	108-1	6905	7095	6915	6972	1.53	cps
Cadmium	106-1	20832	20778	20268	20626	1.51	cps
Cadmium	111-1	99853	100022	100807	100227	0.51	cps
Calcium	43-1	6025081	5971157	5897228	5964489	1.08	cps
Calcium	44-1	96172275	95496695	95982799	95883923	0.36	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	230587	230282	228516	229795	0.49	cps
Cobalt	59-2	71630	72092	72042	71921	0.35	cps
Copper	63-2	61273941	61399407	61208754	61294034	0.16	cps
Dysprosium	156-1	81276	81588	81059	81308	0.33	cps
Dysprosium	156-2	68951	67548	68918	68472	1.17	cps
Erbium	164-1	62485	63128	61819	62478	1.05	cps
Erbium	164-2	42444	41742	41976	42054	0.85	cps
Gadolinium	160-1	72375	72214	72496	72362	0.20	cps
Gadolinium	160-2	53003	52993	52484	52827	0.56	cps
Holmium	165-1	34644050	34568026	34637891	34616656	0.12	cps
Holmium	165-2	23339420	23566309	23825032	23576920	1.03	cps
Indium	115-1	29890679	30160723	29687410	29912937	0.79	cps
Indium	115-2	9766757	9968399	9833392	9856183	1.04	cps
Iron	56-2	84368585	83771952	84103060	84081199	0.36	cps
Iron	57-2	2185141	2173947	2208817	2189302	0.81	cps
Iron	54-2	4543895	4595543	4576572	4572003	0.57	cps
Krypton	83-1	410	413	413	412	0.47	cps

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4806-04A	Instrumnet Name :	P7
Client Sample ID :	MH2GT9A	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:55:35	DataFile Name :	029SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	22750021	22668011	22878239	22765424	0.47	cps
Lead	207-1	19449936	19515293	19485658	19483629	0.17	cps
Lead	208-1	89479975	89592748	89552102	89541609	0.06	cps
Lithium	6-1	3354716	3338363	3326307	3339796	0.43	cps
Magnesium	24-2	5876697	5845518	5892026	5871413	0.40	cps
Manganese	55-2	6788274	6938184	6928650	6885036	1.22	cps
Molybdenum	94-1	136156	134541	134770	135155	0.65	cps
Molybdenum	95-1	98921	98140	97898	98320	0.54	cps
Molybdenum	96-1	119678	120041	117366	119028	1.22	cps
Molybdenum	97-1	61562	60789	61441	61264	0.68	cps
Molybdenum	98-1	157168	157513	157735	157472	0.18	cps
Neodymium	150-1	139697	139488	141124	140103	0.64	cps
Neodymium	150-2	79831	80072	79985	79963	0.15	cps
Nickel	60-2	132936	132745	132838	132840	0.07	cps
Phosphorus	31-2	46835	46908	46661	46801	0.27	cps
Potassium	39-2	3943553	3917680	3945875	3935703	0.40	cps
Rhodium	103-1	27888778	27902145	27922290	27904404	0.06	cps
Rhodium	103-2	16181525	16241810	15985881	16136405	0.83	cps
Scandium	45-1	17118325	16821466	16684017	16874603	1.32	cps
Scandium	45-2	1343532	1344842	1316408	1334927	1.20	cps
Selenium	82-1	2748	2662	2626	2679	2.34	cps
Selenium	77-2	460	460	450	457	1.26	cps
Selenium	78-2	1307	1423	1327	1352	4.61	cps
Silicon	28-1	65952697	66237116	66010131	66066648	0.23	cps
Silver	107-1	81768	83401	83548	82906	1.19	cps
Silver	109-1	79771	78886	79530	79396	0.58	cps
Sodium	23-2	34136328	34461734	34345324	34314462	0.48	cps
Strontium	86-1	4726054	4680879	4629497	4678810	1.03	cps
Strontium	88-1	40939651	41161135	40667699	40922829	0.60	cps
Sulfur	34-1	3850695	3845832	3799240	3831922	0.74	cps
Terbium	159-1	35900648	35683585	35573176	35719136	0.47	cps
Terbium	159-2	23522492	23231561	23358570	23370874	0.62	cps
Thallium	203-1	3937	3871	3997	3935	1.61	cps
Thallium	205-1	9300	9420	9343	9354	0.65	cps
Tin	118-1	950057	943539	939983	944526	0.54	cps
Titanium	47-1	494312	488132	491681	491375	0.63	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4806-04A	Instrumnet Name :	P7
Client Sample ID :	MH2GT9A	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:55:35	DataFile Name :	029SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	169441	170129	171370	170313	0.57	cps
Vanadium	51-2	276674	276932	276422	276676	0.09	cps
Yttrium	89-1	41557316	41690195	41114019	41453844	0.73	cps
Yttrium	89-2	9822134	9724779	9817374	9788096	0.56	cps
Zinc	66-2	8015584	8219142	8204846	8146524	1.39	cps
Zirconium	90-1	219198	217561	219466	218741	0.47	cps
Zirconium	91-1	48302	47209	47958	47823	1.17	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-01	Instrumnet Name :	P7
Client Sample ID :	E29S4	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:58:29	DataFile Name :	030SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3840	3913	4152	3968	4.11	cps
Antimony	121-1	5204	5408	5568	5393	3.38	cps
Arsenic	75-2	3701	3811	3657	3723	2.12	cps
Barium	135-1	407649	411236	411439	410108	0.52	cps
Barium	137-1	701862	709147	716293	709101	1.02	cps
Beryllium	9-1	61	61	56	59	5.41	cps
Bismuth	209-1	19004124	18902228	19175240	19027197	0.73	cps
Bismuth	209-2	15364916	15360068	15490663	15405216	0.48	cps
Bromine	81-1	50265	60932	68119	59772	15.03	cps
Bromine	81-2	9950	10594	10767	10437	4.13	cps
Cadmium	108-1	70	53	67	63	13.93	cps
Cadmium	106-1	10831	10290	10074	10398	3.75	cps
Cadmium	111-1	7826	7426	7288	7513	3.72	cps
Calcium	43-1	6669062	6727213	6866305	6754193	1.50	cps
Calcium	44-1	106364405	108096642	109566605	108009217	1.48	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	8536	8222	8446	8401	1.92	cps
Cobalt	59-2	2184	2147	2357	2229	5.03	cps
Copper	63-2	12519	12275	11675	12156	3.57	cps
Dysprosium	156-1	137	117	77	110	27.77	cps
Dysprosium	156-2	83	107	73	88	19.49	cps
Erbium	164-1	210	203	233	216	7.31	cps
Erbium	164-2	160	170	110	147	21.92	cps
Gadolinium	160-1	267	233	187	229	17.56	cps
Gadolinium	160-2	1280	1290	1233	1268	2.39	cps
Holmium	165-1	33645700	33419131	33702605	33589145	0.45	cps
Holmium	165-2	23442935	23148125	23099476	23230179	0.80	cps
Indium	115-1	28762757	29003235	28906009	28890667	0.42	cps
Indium	115-2	9878607	9839305	9750570	9822827	0.67	cps
Iron	56-2	111205	109102	108461	109589	1.31	cps
Iron	57-2	109502	111822	112363	111229	1.37	cps
Iron	54-2	8933	9079	8573	8862	2.94	cps
Krypton	83-1	337	307	350	331	6.70	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-01	Instrumnet Name :	P7
Client Sample ID :	E29S4	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:58:29	DataFile Name :	030SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	6438	5164	4457	5353	18.75	cps
Lead	207-1	5374	4214	3584	4391	20.69	cps
Lead	208-1	24989	19869	16671	20510	20.46	cps
Lithium	6-1	3168271	3157145	3228994	3184803	1.21	cps
Magnesium	24-2	29487757	29161601	29470775	29373378	0.63	cps
Manganese	55-2	27058	26954	27141	27051	0.35	cps
Molybdenum	94-1	39426	40706	40386	40173	1.66	cps
Molybdenum	95-1	68567	69785	70777	69709	1.59	cps
Molybdenum	96-1	73667	75031	75122	74607	1.09	cps
Molybdenum	97-1	42752	42943	43795	43164	1.29	cps
Molybdenum	98-1	111371	111716	113291	112126	0.91	cps
Neodymium	150-1	130	137	103	123	14.30	cps
Neodymium	150-2	77	77	43	66	29.36	cps
Nickel	60-2	3254	3237	3400	3297	2.73	cps
Phosphorus	31-2	21051	21542	21519	21371	1.30	cps
Potassium	39-2	6011253	5901442	6002062	5971586	1.02	cps
Rhodium	103-1	26706927	26580481	27219593	26835667	1.26	cps
Rhodium	103-2	15740269	15901700	15560854	15734274	1.08	cps
Scandium	45-1	15979113	16328846	16288206	16198721	1.18	cps
Scandium	45-2	1343519	1334484	1351146	1343049	0.62	cps
Selenium	82-1	1430	1550	1333	1438	7.58	cps
Selenium	77-2	100	77	83	87	13.87	cps
Selenium	78-2	843	827	820	830	1.45	cps
Silicon	28-1	73948299	75509969	75631451	75029906	1.25	cps
Silver	107-1	417	407	397	407	2.46	cps
Silver	109-1	303	297	237	279	13.17	cps
Sodium	23-2	115033758	117290038	117932702	116752166	1.30	cps
Strontium	86-1	1728622	1725961	1743582	1732721	0.55	cps
Strontium	88-1	14783690	15005824	15237873	15009129	1.51	cps
Sulfur	34-1	1579049	1574185	1578210	1577148	0.16	cps
Terbium	159-1	34563159	34304920	34902949	34590343	0.87	cps
Terbium	159-2	22690934	22954413	22977396	22874248	0.70	cps
Thallium	203-1	1470	1417	1357	1415	4.01	cps
Thallium	205-1	3637	3360	3194	3397	6.59	cps
Tin	118-1	6525	6965	6652	6714	3.38	cps
Titanium	47-1	1997	1970	1920	1962	1.98	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-01	Instrumnet Name :	P7
Client Sample ID :	E29S4	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 10:58:29	DataFile Name :	030SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	49916	51101	51241	50753	1.43	cps
Vanadium	51-2	6311	5968	6285	6188	3.09	cps
Yttrium	89-1	39137809	38806809	39217524	39054048	0.56	cps
Yttrium	89-2	9631368	9603557	9549027	9594651	0.44	cps
Zinc	66-2	10053	9627	10117	9932	2.68	cps
Zirconium	90-1	3357	3737	3567	3554	5.36	cps
Zirconium	91-1	747	800	730	759	4.82	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-02	Instrumnet Name :	P7
Client Sample ID :	E29S4D	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:01:41	DataFile Name :	031SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4066	4413	4171	4217	4.21	cps
Antimony	121-1	5624	5644	5771	5680	1.40	cps
Arsenic	75-2	3727	3764	3654	3715	1.51	cps
Barium	135-1	421694	426477	423392	423854	0.57	cps
Barium	137-1	733776	729583	738098	733819	0.58	cps
Beryllium	9-1	78	89	44	70	32.86	cps
Bismuth	209-1	18576562	18880355	18801144	18752687	0.84	cps
Bismuth	209-2	14640701	15223791	15556179	15140223	3.06	cps
Bromine	81-1	55300	64316	69911	63176	11.67	cps
Bromine	81-2	10004	9993	10027	10008	0.17	cps
Cadmium	108-1	80	70	50	67	22.91	cps
Cadmium	106-1	10587	10280	10154	10340	2.16	cps
Cadmium	111-1	7562	7377	7343	7427	1.59	cps
Calcium	43-1	7095766	7010719	7015758	7040748	0.68	cps
Calcium	44-1	113205788	112720962	113499945	113142232	0.35	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	10270	10214	10504	10329	1.49	cps
Cobalt	59-2	2220	2277	2390	2296	3.77	cps
Copper	63-2	12058	12262	12158	12159	0.84	cps
Dysprosium	156-1	90	170	140	133	30.31	cps
Dysprosium	156-2	80	97	87	88	9.56	cps
Erbium	164-1	220	237	197	218	9.23	cps
Erbium	164-2	117	93	147	119	22.49	cps
Gadolinium	160-1	213	210	237	220	6.60	cps
Gadolinium	160-2	1200	1283	1227	1237	3.44	cps
Holmium	165-1	32762168	34354233	33534562	33550321	2.37	cps
Holmium	165-2	22201761	22702470	22994515	22632915	1.77	cps
Indium	115-1	28832436	29517321	28938974	29096244	1.27	cps
Indium	115-2	9404416	9621710	9690804	9572310	1.56	cps
Iron	56-2	111380	127658	109092	116043	8.72	cps
Iron	57-2	112585	113176	112961	112907	0.26	cps
Iron	54-2	8963	8969	8549	8827	2.73	cps
Krypton	83-1	380	313	390	361	11.54	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-02	Instrumnet Name :	P7
Client Sample ID :	E29S4D	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:01:41	DataFile Name :	031SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3460	3457	3264	3394	3.32	cps
Lead	207-1	2784	2950	2944	2893	3.26	cps
Lead	208-1	13229	13503	13356	13363	1.02	cps
Lithium	6-1	3184710	3143195	3129051	3152319	0.92	cps
Magnesium	24-2	30329425	29851797	29597170	29926131	1.24	cps
Manganese	55-2	356817	353970	352577	354455	0.61	cps
Molybdenum	94-1	41475	41980	42769	42075	1.55	cps
Molybdenum	95-1	71812	73751	72441	72668	1.36	cps
Molybdenum	96-1	76291	77615	78231	77379	1.28	cps
Molybdenum	97-1	45343	45079	44829	45084	0.57	cps
Molybdenum	98-1	116856	117089	116503	116816	0.25	cps
Neodymium	150-1	150	127	143	140	8.58	cps
Neodymium	150-2	83	73	63	73	13.64	cps
Nickel	60-2	3817	3624	3797	3746	2.84	cps
Phosphorus	31-2	21999	21963	21872	21945	0.30	cps
Potassium	39-2	6217663	6093936	6076552	6129384	1.26	cps
Rhodium	103-1	27083795	27089200	27054424	27075806	0.07	cps
Rhodium	103-2	15313188	15378736	15549870	15413931	0.79	cps
Scandium	45-1	16105982	16699727	16735603	16513771	2.14	cps
Scandium	45-2	1309852	1312019	1361999	1327957	2.22	cps
Selenium	82-1	1523	1509	1539	1523	0.97	cps
Selenium	77-2	87	107	83	92	13.69	cps
Selenium	78-2	830	950	843	874	7.52	cps
Silicon	28-1	78323781	78375426	78034477	78244561	0.23	cps
Silver	107-1	310	290	283	294	4.71	cps
Silver	109-1	197	220	137	184	23.31	cps
Sodium	23-2	120369358	119549855	121346022	120421745	0.75	cps
Strontium	86-1	1782643	1815054	1779560	1792419	1.10	cps
Strontium	88-1	15674493	15724516	15563560	15654189	0.53	cps
Sulfur	34-1	1668940	1648516	1662208	1659888	0.63	cps
Terbium	159-1	34358138	34825231	34503227	34562199	0.69	cps
Terbium	159-2	21987979	22533940	22937533	22486484	2.12	cps
Thallium	203-1	1310	1350	1303	1321	1.91	cps
Thallium	205-1	3167	3194	2997	3119	3.42	cps
Tin	118-1	10217	10324	10774	10438	2.83	cps
Titanium	47-1	2144	2023	1923	2030	5.43	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-02	Instrumnet Name :	P7
Client Sample ID :	E29S4D	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:01:41	DataFile Name :	031SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	51171	50144	51439	50918	1.34	cps
Vanadium	51-2	6135	6128	6128	6130	0.06	cps
Yttrium	89-1	38826160	40024803	39407856	39419606	1.52	cps
Yttrium	89-2	9183226	9453122	9679915	9438755	2.63	cps
Zinc	66-2	11071	10844	10347	10754	3.44	cps
Zirconium	90-1	3430	3731	3270	3477	6.72	cps
Zirconium	91-1	737	623	853	738	15.59	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-01LX5	Instrumnet Name :	P7
Client Sample ID :	E29S4L	Dilution Factor :	5
Date & Time Acquired :	2024-11-20 11:04:50	DataFile Name :	032SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1299	1329	1319	1316	1.17	cps
Antimony	121-1	997	1080	1037	1038	4.02	cps
Arsenic	75-2	653	680	743	692	6.68	cps
Barium	135-1	75556	78193	78414	77388	2.06	cps
Barium	137-1	132995	137214	136188	135466	1.62	cps
Beryllium	9-1	100	50	56	69	39.99	cps
Bismuth	209-1	18880063	19312558	19721493	19304705	2.18	cps
Bismuth	209-2	15854769	15970941	15870440	15898717	0.40	cps
Bromine	81-1	29974	30291	30431	30232	0.78	cps
Bromine	81-2	2460	2487	2524	2490	1.28	cps
Cadmium	108-1	27	57	53	46	36.09	cps
Cadmium	106-1	10627	10424	10047	10366	2.84	cps
Cadmium	111-1	7470	7354	7045	7290	3.01	cps
Calcium	43-1	1257241	1287328	1297791	1280786	1.64	cps
Calcium	44-1	19948898	20678964	20738373	20455412	2.15	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	7145	7535	7208	7296	2.87	cps
Cobalt	59-2	573	527	597	566	6.30	cps
Copper	63-2	4367	4387	4311	4355	0.91	cps
Dysprosium	156-1	43	60	67	57	21.21	cps
Dysprosium	156-2	23	37	40	33	26.47	cps
Erbium	164-1	153	180	153	162	9.49	cps
Erbium	164-2	97	107	77	93	16.37	cps
Gadolinium	160-1	187	200	157	181	12.25	cps
Gadolinium	160-2	1293	1220	1183	1232	4.55	cps
Holmium	165-1	33239259	33457167	33739758	33478728	0.75	cps
Holmium	165-2	23244698	23336639	23199423	23260253	0.30	cps
Indium	115-1	28837459	29412064	28728151	28992558	1.27	cps
Indium	115-2	10010086	9887384	9935189	9944220	0.62	cps
Iron	56-2	56456	55756	55935	56049	0.65	cps
Iron	57-2	21676	21679	22253	21869	1.52	cps
Iron	54-2	5961	6255	5928	6048	2.97	cps
Krypton	83-1	340	303	353	332	7.79	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-01LX5	Instrumnet Name :	P7
Client Sample ID :	E29S4L	Dilution Factor :	5
Date & Time Acquired :	2024-11-20 11:04:50	DataFile Name :	032SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2677	2897	2634	2736	5.16	cps
Lead	207-1	2340	2264	2250	2285	2.13	cps
Lead	208-1	10612	11012	10455	10693	2.69	cps
Lithium	6-1	3170792	3287088	3271525	3243135	1.95	cps
Magnesium	24-2	5465890	5528599	5487985	5494158	0.58	cps
Manganese	55-2	17380	17801	17567	17583	1.20	cps
Molybdenum	94-1	8116	8376	8609	8367	2.95	cps
Molybdenum	95-1	12682	13206	13176	13021	2.26	cps
Molybdenum	96-1	13887	14411	14594	14297	2.57	cps
Molybdenum	97-1	7846	8102	8516	8155	4.15	cps
Molybdenum	98-1	20625	21596	21483	21234	2.50	cps
Neodymium	150-1	33	77	57	56	39.04	cps
Neodymium	150-2	17	17	17	17	0.00	cps
Nickel	60-2	1200	1183	1180	1188	0.90	cps
Phosphorus	31-2	4261	4314	4551	4375	3.53	cps
Potassium	39-2	1201791	1202873	1209086	1204583	0.33	cps
Rhodium	103-1	27399080	27643813	27883915	27642269	0.88	cps
Rhodium	103-2	16274794	16254618	16070553	16199988	0.69	cps
Scandium	45-1	16104384	16309493	16197255	16203711	0.63	cps
Scandium	45-2	1345099	1368776	1345268	1353048	1.01	cps
Selenium	82-1	743	672	634	683	8.06	cps
Selenium	77-2	30	13	17	20	44.10	cps
Selenium	78-2	497	577	600	558	9.72	cps
Silicon	28-1	15053614	15627370	15428270	15369752	1.90	cps
Silver	107-1	250	197	270	239	15.87	cps
Silver	109-1	133	100	137	123	16.44	cps
Sodium	23-2	22275850	22191722	22213042	22226871	0.20	cps
Strontium	86-1	310379	322648	323118	318715	2.27	cps
Strontium	88-1	2790018	2909724	2912241	2870661	2.43	cps
Sulfur	34-1	495019	505356	504583	501653	1.15	cps
Terbium	159-1	33994351	34405244	34522978	34307524	0.81	cps
Terbium	159-2	22914925	23103708	22776726	22931786	0.72	cps
Thallium	203-1	547	627	607	593	7.02	cps
Thallium	205-1	1307	1550	1517	1458	9.05	cps
Tin	118-1	8387	8029	8283	8233	2.23	cps
Titanium	47-1	583	563	673	607	9.66	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-01LX5	Instrumnet Name :	P7
Client Sample ID :	E29S4L	Dilution Factor :	5
Date & Time Acquired :	2024-11-20 11:04:50	DataFile Name :	032SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	9170	9400	9327	9299	1.26	cps
Vanadium	51-2	1170	1157	1247	1191	4.08	cps
Yttrium	89-1	38201384	39591280	40060274	39284313	2.46	cps
Yttrium	89-2	9724094	9619435	9722855	9688795	0.62	cps
Zinc	66-2	13900	13670	14050	13873	1.38	cps
Zirconium	90-1	2237	2407	2390	2345	4.00	cps
Zirconium	91-1	453	483	517	484	6.54	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-04	Instrumnet Name :	P7
Client Sample ID :	E29T2	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:10:53	DataFile Name :	034SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	19267	19531	20052	19617	2.04	cps
Antimony	121-1	3044	2737	2637	2806	7.55	cps
Arsenic	75-2	480	580	590	550	11.06	cps
Barium	135-1	746007	754062	758370	752813	0.83	cps
Barium	137-1	1294570	1310237	1310033	1304947	0.69	cps
Beryllium	9-1	106	83	106	98	13.08	cps
Bismuth	209-1	20479736	20406603	20354698	20413679	0.31	cps
Bismuth	209-2	16003658	16184743	15987195	16058532	0.68	cps
Bromine	81-1	75879	95362	106020	92420	16.54	cps
Bromine	81-2	17090	17604	17390	17361	1.49	cps
Cadmium	108-1	47	50	63	53	16.53	cps
Cadmium	106-1	11385	11141	10981	11169	1.82	cps
Cadmium	111-1	8303	8080	7919	8101	2.38	cps
Calcium	43-1	6691782	6856161	6859795	6802579	1.41	cps
Calcium	44-1	108969052	110167705	110054028	109730262	0.60	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	7642	7298	7549	7496	2.37	cps
Cobalt	59-2	34473	34861	34921	34751	0.70	cps
Copper	63-2	11558	11628	11858	11681	1.34	cps
Dysprosium	156-1	547	543	660	583	11.39	cps
Dysprosium	156-2	487	467	490	481	2.62	cps
Erbium	164-1	657	707	1064	809	27.44	cps
Erbium	164-2	530	463	513	502	6.91	cps
Gadolinium	160-1	733	743	813	763	5.71	cps
Gadolinium	160-2	1707	1677	1677	1687	1.03	cps
Holmium	165-1	35679474	35540521	35660869	35626954	0.21	cps
Holmium	165-2	23938515	23920939	24072890	23977448	0.35	cps
Indium	115-1	30589344	30301470	30586722	30492512	0.54	cps
Indium	115-2	10051414	9984362	10027867	10021214	0.34	cps
Iron	56-2	1241393	1239243	1226605	1235747	0.65	cps
Iron	57-2	134143	136178	136770	135697	1.02	cps
Iron	54-2	71465	71532	69952	70983	1.26	cps
Krypton	83-1	330	363	413	369	11.37	cps

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-04	Instrumnet Name :	P7
Client Sample ID :	E29T2	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:10:53	DataFile Name :	034SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	6208	5875	5818	5967	3.53	cps
Lead	207-1	4988	5061	4874	4974	1.89	cps
Lead	208-1	23555	23074	22734	23121	1.78	cps
Lithium	6-1	3279188	3361588	3291005	3310594	1.35	cps
Magnesium	24-2	28609536	28086296	28170814	28288882	0.99	cps
Manganese	55-2	5796941	5843991	5763882	5801605	0.69	cps
Molybdenum	94-1	32927	33548	32840	33105	1.17	cps
Molybdenum	95-1	55314	56582	55812	55903	1.14	cps
Molybdenum	96-1	58095	60511	59591	59399	2.05	cps
Molybdenum	97-1	33976	35349	35092	34806	2.10	cps
Molybdenum	98-1	88409	89673	90964	89682	1.42	cps
Neodymium	150-1	803	837	883	841	4.78	cps
Neodymium	150-2	457	457	520	478	7.65	cps
Nickel	60-2	14053	14304	14364	14240	1.16	cps
Phosphorus	31-2	707	760	673	713	6.13	cps
Potassium	39-2	7396855	7498029	7446376	7447087	0.68	cps
Rhodium	103-1	28302540	28196691	28522486	28340573	0.59	cps
Rhodium	103-2	16260899	16171156	16047745	16159933	0.66	cps
Scandium	45-1	17007839	17009702	16960751	16992764	0.16	cps
Scandium	45-2	1378087	1348656	1370740	1365828	1.12	cps
Selenium	82-1	781	906	660	782	15.75	cps
Selenium	77-2	20	17	7	14	48.02	cps
Selenium	78-2	450	523	583	519	12.87	cps
Silicon	28-1	72771366	73925736	73255917	73317673	0.79	cps
Silver	107-1	1197	967	883	1016	15.98	cps
Silver	109-1	1037	863	787	896	14.30	cps
Sodium	23-2	71479256	70783307	70332736	70865100	0.82	cps
Strontium	86-1	1119858	1140090	1137930	1132626	0.98	cps
Strontium	88-1	10046900	10226929	10190779	10154869	0.94	cps
Sulfur	34-1	1599995	1620007	1617092	1612365	0.67	cps
Terbium	159-1	36581463	36104717	36608260	36431480	0.78	cps
Terbium	159-2	23567706	23500410	23916077	23661398	0.94	cps
Thallium	203-1	2854	2714	2674	2747	3.44	cps
Thallium	205-1	6548	6378	6051	6326	3.99	cps
Tin	118-1	8429	8229	8292	8317	1.23	cps
Titanium	47-1	3747	4101	3700	3849	5.68	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-04	Instrumnet Name :	P7
Client Sample ID :	E29T2	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:10:53	DataFile Name :	034SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	59629	60139	60102	59957	0.47	cps
Vanadium	51-2	1830	1780	1640	1750	5.63	cps
Yttrium	89-1	41030324	41555589	41040004	41208639	0.73	cps
Yttrium	89-2	9891320	9965820	9777695	9878278	0.96	cps
Zinc	66-2	11374	10714	11428	11172	3.56	cps
Zirconium	90-1	4414	4274	4501	4396	2.60	cps
Zirconium	91-1	900	1020	1047	989	7.90	cps

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-05	Instrumnet Name :	P7
Client Sample ID :	E29T4	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:14:04	DataFile Name :	035SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3312	3333	3213	3286	1.96	cps
Antimony	121-1	593	567	723	628	13.35	cps
Arsenic	75-2	3690	4094	3731	3838	5.79	cps
Barium	135-1	682408	687049	684681	684713	0.34	cps
Barium	137-1	1187228	1193283	1197941	1192817	0.45	cps
Beryllium	9-1	83	83	106	91	14.14	cps
Bismuth	209-1	19813107	20083705	20002558	19966457	0.70	cps
Bismuth	209-2	15804612	15929255	15888984	15874283	0.40	cps
Bromine	81-1	85091	101851	109928	98957	12.80	cps
Bromine	81-2	17023	17457	17707	17396	1.99	cps
Cadmium	108-1	37	50	33	40	22.05	cps
Cadmium	106-1	11311	10884	10998	11064	2.00	cps
Cadmium	111-1	7979	7694	7735	7803	1.97	cps
Calcium	43-1	8593195	8788548	8761478	8714407	1.21	cps
Calcium	44-1	138017925	139844118	140203578	139355207	0.84	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	6461	6365	6241	6356	1.74	cps
Cobalt	59-2	5184	5034	5131	5116	1.49	cps
Copper	63-2	4734	4914	4898	4849	2.05	cps
Dysprosium	156-1	110	100	170	127	29.89	cps
Dysprosium	156-2	150	103	123	126	18.65	cps
Erbium	164-1	227	227	217	223	2.59	cps
Erbium	164-2	137	193	127	152	23.62	cps
Gadolinium	160-1	207	280	310	266	20.02	cps
Gadolinium	160-2	1307	1310	1313	1310	0.25	cps
Holmium	165-1	34420362	35621542	35254426	35098777	1.75	cps
Holmium	165-2	23977880	23662177	23793310	23811122	0.67	cps
Indium	115-1	30037039	29724207	30010580	29923942	0.58	cps
Indium	115-2	10032735	9881084	9816568	9910129	1.12	cps
Iron	56-2	16794395	16990148	16812090	16865544	0.64	cps
Iron	57-2	547307	554501	555041	552283	0.78	cps
Iron	54-2	927689	924204	923761	925218	0.23	cps
Krypton	83-1	280	313	333	309	8.72	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-05	Instrumnet Name :	P7
Client Sample ID :	E29T4	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:14:04	DataFile Name :	035SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	6905	6588	6465	6653	3.41	cps
Lead	207-1	5891	5581	5421	5631	4.25	cps
Lead	208-1	26270	25800	25863	25978	0.98	cps
Lithium	6-1	3369889	3398589	3336632	3368370	0.92	cps
Magnesium	24-2	48464486	49079869	48438151	48660835	0.75	cps
Manganese	55-2	812649	803103	807956	807903	0.59	cps
Molybdenum	94-1	30038	29663	30078	29926	0.76	cps
Molybdenum	95-1	43775	44889	44681	44448	1.33	cps
Molybdenum	96-1	49146	49908	49045	49366	0.96	cps
Molybdenum	97-1	27833	28067	27533	27811	0.96	cps
Molybdenum	98-1	71082	71966	72170	71739	0.81	cps
Neodymium	150-1	120	137	117	124	8.61	cps
Neodymium	150-2	77	90	100	89	13.17	cps
Nickel	60-2	14170	14324	14474	14322	1.06	cps
Phosphorus	31-2	560	597	527	561	6.24	cps
Potassium	39-2	2951713	2979665	2955020	2962133	0.52	cps
Rhodium	103-1	27862161	27825353	27786665	27824727	0.14	cps
Rhodium	103-2	15977933	15969968	15882979	15943627	0.33	cps
Scandium	45-1	16815048	17002401	16789318	16868923	0.69	cps
Scandium	45-2	1352893	1343213	1363297	1353134	0.74	cps
Selenium	82-1	681	732	625	679	7.93	cps
Selenium	77-2	3	0	0	1	173.21	cps
Selenium	78-2	437	473	503	471	7.09	cps
Silicon	28-1	95584309	95902279	94420072	95302220	0.82	cps
Silver	107-1	463	480	380	441	12.15	cps
Silver	109-1	317	320	323	320	1.04	cps
Sodium	23-2	90551529	92286485	91621289	91486434	0.96	cps
Strontium	86-1	1086656	1097231	1087879	1090588	0.53	cps
Strontium	88-1	9744748	9828019	9850011	9807593	0.57	cps
Sulfur	34-1	2563817	2615016	2552159	2576997	1.30	cps
Terbium	159-1	36219742	35987040	36692831	36299871	0.99	cps
Terbium	159-2	23428625	23515037	23303890	23415851	0.45	cps
Thallium	203-1	937	970	867	924	5.71	cps
Thallium	205-1	2150	1997	2207	2118	5.13	cps
Tin	118-1	10077	10074	10377	10176	1.71	cps
Titanium	47-1	1520	1563	1450	1511	3.78	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-05	Instrumnet Name :	P7
Client Sample ID :	E29T4	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:14:04	DataFile Name :	035SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	88850	87978	87700	88176	0.68	cps
Vanadium	51-2	367	313	297	326	11.23	cps
Yttrium	89-1	40509214	41109259	40642286	40753586	0.77	cps
Yttrium	89-2	9723849	9734511	9801170	9753177	0.43	cps
Zinc	66-2	9767	10043	9993	9934	1.49	cps
Zirconium	90-1	13139	12799	13053	12997	1.36	cps
Zirconium	91-1	2890	2914	3040	2948	2.74	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-06	Instrumnet Name :	P7
Client Sample ID :	E29W0	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:17:12	DataFile Name :	036SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	915	1082	1042	1013	8.60	cps
Antimony	121-1	170	373	193	246	45.32	cps
Arsenic	75-2	17	13	7	12	41.65	cps
Barium	135-1	477	1778	363	873	90.09	cps
Barium	137-1	920	1698	643	1087	50.29	cps
Beryllium	9-1	61	67	33	54	33.26	cps
Bismuth	209-1	21118414	20550518	20545002	20737978	1.59	cps
Bismuth	209-2	16698924	16525436	15726629	16316996	3.18	cps
Bromine	81-1	30161	27810	24577	27516	10.19	cps
Bromine	81-2	1123	1077	927	1042	9.86	cps
Cadmium	108-1	33	30	37	33	10.01	cps
Cadmium	106-1	11682	10911	10581	11058	5.11	cps
Cadmium	111-1	8214	7750	7424	7796	5.09	cps
Calcium	43-1	7955	7482	6625	7354	9.17	cps
Calcium	44-1	144568	138022	129423	137338	5.53	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	5431	5501	5238	5390	2.53	cps
Cobalt	59-2	227	220	213	220	3.03	cps
Copper	63-2	4104	3834	3687	3875	5.46	cps
Dysprosium	156-1	60	43	33	46	29.58	cps
Dysprosium	156-2	30	20	7	19	61.96	cps
Erbium	164-1	137	150	180	156	14.27	cps
Erbium	164-2	83	100	93	92	9.10	cps
Gadolinium	160-1	123	173	160	152	17.01	cps
Gadolinium	160-2	1193	1233	1240	1222	2.07	cps
Holmium	165-1	35170434	34951760	34656074	34926090	0.74	cps
Holmium	165-2	23809630	23714276	22578521	23367476	2.93	cps
Indium	115-1	30516913	30420899	30262789	30400200	0.42	cps
Indium	115-2	9947225	9795694	9501137	9748019	2.33	cps
Iron	56-2	45355	45448	44874	45226	0.68	cps
Iron	57-2	1963	2000	1963	1976	1.07	cps
Iron	54-2	4757	5068	4951	4925	3.18	cps
Krypton	83-1	303	313	290	302	3.87	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-06	Instrumnet Name :	P7
Client Sample ID :	E29W0	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:17:12	DataFile Name :	036SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2814	2857	2800	2824	1.05	cps
Lead	207-1	2270	2310	2314	2298	1.05	cps
Lead	208-1	11262	11095	10755	11037	2.34	cps
Lithium	6-1	3466564	3419314	3423967	3436615	0.76	cps
Magnesium	24-2	5988	5631	5374	5664	5.44	cps
Manganese	55-2	17617	17577	17263	17486	1.11	cps
Molybdenum	94-1	650	613	547	603	8.68	cps
Molybdenum	95-1	137	113	143	131	12.01	cps
Molybdenum	96-1	243	293	320	286	13.63	cps
Molybdenum	97-1	77	83	70	77	8.69	cps
Molybdenum	98-1	233	190	187	203	12.80	cps
Neodymium	150-1	13	40	17	23	62.27	cps
Neodymium	150-2	3	0	30	11	148.01	cps
Nickel	60-2	563	577	507	549	6.77	cps
Phosphorus	31-2	440	397	433	423	5.51	cps
Potassium	39-2	86135	85444	84771	85450	0.80	cps
Rhodium	103-1	28918633	28527011	28847979	28764541	0.73	cps
Rhodium	103-2	16591745	16434664	15422809	16149739	3.93	cps
Scandium	45-1	16607613	16584266	16701254	16631044	0.37	cps
Scandium	45-2	1332156	1345861	1244950	1307656	4.19	cps
Selenium	82-1	628	467	511	535	15.50	cps
Selenium	77-2	3	0	0	1	173.21	cps
Selenium	78-2	533	537	457	509	8.89	cps
Silicon	28-1	1278379	1266208	1271941	1272176	0.48	cps
Silver	107-1	290	370	350	337	12.37	cps
Silver	109-1	190	383	230	268	38.12	cps
Sodium	23-2	99381	97345	96540	97755	1.50	cps
Strontium	86-1	1120	1073	1063	1086	2.79	cps
Strontium	88-1	5941	5081	4814	5279	11.16	cps
Sulfur	34-1	318951	317025	318291	318089	0.31	cps
Terbium	159-1	36468087	35710286	35664265	35947546	1.26	cps
Terbium	159-2	23381909	23557586	21854081	22931192	4.09	cps
Thallium	203-1	607	590	460	552	14.54	cps
Thallium	205-1	1260	1167	1310	1246	5.84	cps
Tin	118-1	6832	6792	6472	6698	2.95	cps
Titanium	47-1	273	273	247	264	5.82	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-06	Instrumnet Name :	P7
Client Sample ID :	E29W0	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:17:12	DataFile Name :	036SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	77	97	77	83	13.86	cps
Vanadium	51-2	127	83	113	108	20.60	cps
Yttrium	89-1	40269281	40378652	40539436	40395790	0.34	cps
Yttrium	89-2	9729490	9499827	9142129	9457149	3.13	cps
Zinc	66-2	12318	12015	12312	12215	1.42	cps
Zirconium	90-1	1577	1620	1530	1576	2.86	cps
Zirconium	91-1	293	303	333	310	6.71	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-07	Instrumnet Name :	P7
Client Sample ID :	E29W4	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:20:29	DataFile Name :	037SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1395	1458	1381	1411	2.91	cps
Antimony	121-1	167	163	187	172	7.33	cps
Arsenic	75-2	27	13	13	18	43.33	cps
Barium	135-1	427	420	423	423	0.79	cps
Barium	137-1	707	740	700	716	3.00	cps
Beryllium	9-1	89	56	78	74	22.91	cps
Bismuth	209-1	19490521	19898665	19776582	19721923	1.06	cps
Bismuth	209-2	15820470	16163306	15990588	15991455	1.07	cps
Bromine	81-1	17767	17587	16880	17412	2.69	cps
Bromine	81-2	320	323	277	307	8.49	cps
Cadmium	108-1	20	27	47	31	44.61	cps
Cadmium	106-1	10440	10387	10407	10412	0.26	cps
Cadmium	111-1	7351	7306	7299	7319	0.39	cps
Calcium	43-1	7018	7008	6668	6898	2.89	cps
Calcium	44-1	130039	132910	133138	132029	1.31	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	8693	8362	8706	8587	2.27	cps
Cobalt	59-2	240	233	280	251	10.05	cps
Copper	63-2	3040	3197	3130	3123	2.52	cps
Dysprosium	156-1	57	33	60	50	29.06	cps
Dysprosium	156-2	43	10	23	26	65.65	cps
Erbium	164-1	127	137	150	138	8.50	cps
Erbium	164-2	110	90	100	100	10.00	cps
Gadolinium	160-1	163	130	230	174	29.19	cps
Gadolinium	160-2	1187	1203	1200	1197	0.74	cps
Holmium	165-1	32899535	33369989	33390921	33220148	0.84	cps
Holmium	165-2	22839132	22886237	22949201	22891524	0.24	cps
Indium	115-1	28406002	28885511	28902319	28731277	0.98	cps
Indium	115-2	9629695	9718875	9720869	9689813	0.54	cps
Iron	56-2	49682	49387	49856	49642	0.48	cps
Iron	57-2	2130	2100	2127	2119	0.78	cps
Iron	54-2	5754	5428	5741	5641	3.28	cps
Krypton	83-1	300	317	273	297	7.37	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-07	Instrumnet Name :	P7
Client Sample ID :	E29W4	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:20:29	DataFile Name :	037SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2854	2970	2957	2927	2.18	cps
Lead	207-1	2560	2450	2554	2521	2.45	cps
Lead	208-1	11345	11495	11829	11556	2.14	cps
Lithium	6-1	3352952	3411489	3410840	3391760	0.99	cps
Magnesium	24-2	3837	3804	3627	3756	3.01	cps
Manganese	55-2	19800	20060	19937	19932	0.65	cps
Molybdenum	94-1	1417	1360	1380	1386	2.07	cps
Molybdenum	95-1	120	133	170	141	18.35	cps
Molybdenum	96-1	400	397	437	411	5.40	cps
Molybdenum	97-1	120	123	120	121	1.59	cps
Molybdenum	98-1	257	230	287	258	11.00	cps
Neodymium	150-1	23	40	30	31	26.97	cps
Neodymium	150-2	7	23	0	10	120.16	cps
Nickel	60-2	1003	1030	1030	1021	1.51	cps
Phosphorus	31-2	490	420	417	442	9.36	cps
Potassium	39-2	83796	82689	83139	83208	0.67	cps
Rhodium	103-1	27067198	27208909	27686905	27321004	1.19	cps
Rhodium	103-2	16021111	15961985	15812238	15931778	0.68	cps
Scandium	45-1	15494985	15780647	15909113	15728248	1.35	cps
Scandium	45-2	1275567	1281008	1295427	1284000	0.80	cps
Selenium	82-1	582	501	479	520	10.42	cps
Selenium	77-2	0	3	0	1	173.21	cps
Selenium	78-2	393	473	443	437	9.26	cps
Silicon	28-1	1255630	1285564	1291039	1277411	1.49	cps
Silver	107-1	337	283	287	302	9.89	cps
Silver	109-1	187	223	200	203	9.13	cps
Sodium	23-2	92710	92187	92535	92477	0.29	cps
Strontium	86-1	1093	1113	973	1060	7.14	cps
Strontium	88-1	4754	4587	4684	4675	1.79	cps
Sulfur	34-1	312308	310903	309722	310978	0.42	cps
Terbium	159-1	33609588	33950673	34471584	34010615	1.28	cps
Terbium	159-2	22567776	22664852	22803014	22678547	0.52	cps
Thallium	203-1	427	363	413	401	8.32	cps
Thallium	205-1	1097	940	943	993	9.01	cps
Tin	118-1	8156	8172	8423	8250	1.81	cps
Titanium	47-1	223	260	273	252	10.26	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-07	Instrumnet Name :	P7
Client Sample ID :	E29W4	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:20:29	DataFile Name :	037SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	53	60	63	59	8.65	cps
Vanadium	51-2	117	110	117	114	3.36	cps
Yttrium	89-1	37776574	38663419	38293201	38244398	1.16	cps
Yttrium	89-2	9248499	9348414	9364309	9320408	0.67	cps
Zinc	66-2	13827	13836	13960	13874	0.54	cps
Zirconium	90-1	3640	3564	3687	3630	1.72	cps
Zirconium	91-1	707	837	807	783	8.69	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-08	Instrumnet Name :	P7
Client Sample ID :	E29W1	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:23:43	DataFile Name :	038SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3279	3115	3313	3236	3.27	cps
Antimony	121-1	153	147	143	148	3.45	cps
Arsenic	75-2	3	17	13	11	62.48	cps
Barium	135-1	390	323	307	340	12.97	cps
Barium	137-1	653	570	510	578	12.46	cps
Beryllium	9-1	72	94	67	78	18.90	cps
Bismuth	209-1	20030218	20484898	20143518	20219544	1.17	cps
Bismuth	209-2	16292320	16221476	16167989	16227262	0.38	cps
Bromine	81-1	15785	15475	16052	15771	1.83	cps
Bromine	81-2	180	210	190	193	7.90	cps
Cadmium	108-1	23	33	33	30	19.25	cps
Cadmium	106-1	10494	10571	10334	10466	1.15	cps
Cadmium	111-1	7383	7453	7240	7359	1.47	cps
Calcium	43-1	5961	6065	6335	6120	3.15	cps
Calcium	44-1	115895	117276	116002	116391	0.66	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	5534	5678	5601	5604	1.28	cps
Cobalt	59-2	547	660	527	578	12.45	cps
Copper	63-2	3260	3057	3057	3125	3.76	cps
Dysprosium	156-1	30	40	20	30	33.33	cps
Dysprosium	156-2	17	23	37	26	39.85	cps
Erbium	164-1	110	123	97	110	12.12	cps
Erbium	164-2	63	110	87	87	26.93	cps
Gadolinium	160-1	147	147	170	154	8.72	cps
Gadolinium	160-2	1150	1197	1317	1221	7.04	cps
Holmium	165-1	33598877	34096387	34088304	33927856	0.84	cps
Holmium	165-2	23112153	23305947	23279145	23232415	0.45	cps
Indium	115-1	29324132	29738823	29652517	29571824	0.74	cps
Indium	115-2	9816154	9780930	9722606	9773230	0.48	cps
Iron	56-2	39776	39662	39625	39688	0.20	cps
Iron	57-2	1777	1793	1800	1790	0.67	cps
Iron	54-2	4737	4587	4537	4621	2.25	cps
Krypton	83-1	353	320	307	327	7.36	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-08	Instrumnet Name :	P7
Client Sample ID :	E29W1	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:23:43	DataFile Name :	038SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2640	2654	2557	2617	2.00	cps
Lead	207-1	2364	2294	2244	2300	2.62	cps
Lead	208-1	10412	10328	10338	10359	0.44	cps
Lithium	6-1	3423264	3523239	3413199	3453234	1.76	cps
Magnesium	24-2	3024	3267	3557	3283	8.14	cps
Manganese	55-2	15118	14741	14674	14844	1.61	cps
Molybdenum	94-1	653	760	663	692	8.51	cps
Molybdenum	95-1	103	127	120	117	10.30	cps
Molybdenum	96-1	303	240	297	280	12.43	cps
Molybdenum	97-1	103	63	73	80	26.02	cps
Molybdenum	98-1	180	220	200	200	10.00	cps
Neodymium	150-1	23	27	30	27	12.51	cps
Neodymium	150-2	20	13	7	13	49.99	cps
Nickel	60-2	647	667	653	656	1.55	cps
Phosphorus	31-2	423	387	377	396	6.21	cps
Potassium	39-2	80317	79741	80843	80300	0.69	cps
Rhodium	103-1	27870529	28123478	28019731	28004579	0.45	cps
Rhodium	103-2	16357783	16159751	16245582	16254372	0.61	cps
Scandium	45-1	16157511	16307194	15948604	16137770	1.12	cps
Scandium	45-2	1317344	1326171	1339539	1327685	0.84	cps
Selenium	82-1	494	457	483	478	4.01	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	537	437	387	453	16.85	cps
Silicon	28-1	1267515	1253452	1256999	1259322	0.58	cps
Silver	107-1	243	253	203	233	11.34	cps
Silver	109-1	133	150	163	149	10.09	cps
Sodium	23-2	80338	80006	80090	80145	0.22	cps
Strontium	86-1	910	960	983	951	3.94	cps
Strontium	88-1	3974	3994	4117	4028	1.93	cps
Sulfur	34-1	307418	307046	306363	306943	0.17	cps
Terbium	159-1	35146694	34969551	34996084	35037443	0.27	cps
Terbium	159-2	22961530	23039153	22884205	22961629	0.34	cps
Thallium	203-1	327	310	290	309	5.94	cps
Thallium	205-1	827	793	830	817	2.48	cps
Tin	118-1	6872	6672	7052	6865	2.77	cps
Titanium	47-1	323	293	243	287	14.10	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-08	Instrumnet Name :	P7
Client Sample ID :	E29W1	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:23:43	DataFile Name :	038SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	70	27	53	50	43.71	cps
Vanadium	51-2	130	77	137	114	28.73	cps
Yttrium	89-1	38937015	39339596	39016019	39097544	0.55	cps
Yttrium	89-2	9464273	9467761	9526237	9486090	0.37	cps
Zinc	66-2	12165	12235	12339	12246	0.71	cps
Zirconium	90-1	1877	1863	1903	1881	1.08	cps
Zirconium	91-1	380	410	370	387	5.38	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-09	Instrumnet Name :	P7
Client Sample ID :	E29W5	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:26:59	DataFile Name :	039SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5103	5109	5090	5100	0.20	cps
Antimony	121-1	177	160	127	154	16.48	cps
Arsenic	75-2	7	7	17	10	57.72	cps
Barium	135-1	430	470	507	469	8.18	cps
Barium	137-1	810	780	770	787	2.65	cps
Beryllium	9-1	72	44	50	56	26.45	cps
Bismuth	209-1	19652833	20055026	19989738	19899199	1.08	cps
Bismuth	209-2	16222329	16197376	16043846	16154517	0.60	cps
Bromine	81-1	15148	15345	15281	15258	0.66	cps
Bromine	81-2	187	143	123	151	21.42	cps
Cadmium	108-1	30	27	20	26	19.92	cps
Cadmium	106-1	10694	10080	10180	10318	3.19	cps
Cadmium	111-1	7525	7097	7162	7262	3.17	cps
Calcium	43-1	5968	6135	6488	6197	4.29	cps
Calcium	44-1	119509	120981	120645	120378	0.64	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	6031	6321	6125	6159	2.40	cps
Cobalt	59-2	217	200	167	194	13.09	cps
Copper	63-2	3981	3967	3984	3977	0.22	cps
Dysprosium	156-1	57	57	47	53	10.82	cps
Dysprosium	156-2	20	23	33	26	27.15	cps
Erbium	164-1	140	123	163	142	14.13	cps
Erbium	164-2	110	107	113	110	3.03	cps
Gadolinium	160-1	143	120	170	144	17.32	cps
Gadolinium	160-2	1200	1160	1203	1188	2.03	cps
Holmium	165-1	33626295	33498704	33879926	33668308	0.58	cps
Holmium	165-2	23180150	22967312	22858881	23002115	0.71	cps
Indium	115-1	28969302	29022493	28935015	28975604	0.15	cps
Indium	115-2	9587122	9756774	9724221	9689373	0.93	cps
Iron	56-2	42456	42186	43225	42622	1.27	cps
Iron	57-2	1947	1887	1913	1916	1.57	cps
Iron	54-2	4931	4884	4934	4916	0.57	cps
Krypton	83-1	317	300	297	304	3.52	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-09	Instrumnet Name :	P7
Client Sample ID :	E29W5	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:26:59	DataFile Name :	039SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2637	2347	2650	2545	6.74	cps
Lead	207-1	2037	2110	2227	2125	4.51	cps
Lead	208-1	9922	9721	10075	9906	1.79	cps
Lithium	6-1	3403091	3471942	3402182	3425738	1.17	cps
Magnesium	24-2	3687	3580	3720	3663	2.00	cps
Manganese	55-2	20885	20784	20421	20697	1.18	cps
Molybdenum	94-1	553	667	690	637	11.48	cps
Molybdenum	95-1	143	153	123	140	10.91	cps
Molybdenum	96-1	263	257	247	256	3.28	cps
Molybdenum	97-1	80	70	90	80	12.50	cps
Molybdenum	98-1	177	190	217	194	10.47	cps
Neodymium	150-1	13	13	20	16	24.76	cps
Neodymium	150-2	7	17	7	10	57.72	cps
Nickel	60-2	657	707	703	689	4.06	cps
Phosphorus	31-2	437	467	437	447	3.88	cps
Potassium	39-2	79017	80069	78826	79304	0.84	cps
Rhodium	103-1	27714030	27415554	28011872	27713818	1.08	cps
Rhodium	103-2	16050815	16113942	16110889	16091882	0.22	cps
Scandium	45-1	15791144	15897706	15863764	15850871	0.34	cps
Scandium	45-2	1321294	1308732	1312157	1314061	0.49	cps
Selenium	82-1	546	542	559	549	1.60	cps
Selenium	77-2	0	3	0	1	173.21	cps
Selenium	78-2	460	433	483	459	5.45	cps
Silicon	28-1	1272200	1279739	1305827	1285922	1.37	cps
Silver	107-1	193	227	197	206	8.93	cps
Silver	109-1	147	130	170	149	13.49	cps
Sodium	23-2	80341	80499	81290	80710	0.63	cps
Strontium	86-1	900	1007	927	944	5.88	cps
Strontium	88-1	3807	4037	4074	3973	3.64	cps
Sulfur	34-1	308093	306673	307129	307298	0.24	cps
Terbium	159-1	34474536	34445446	34639846	34519943	0.30	cps
Terbium	159-2	22832681	22958036	22968570	22919763	0.33	cps
Thallium	203-1	273	253	213	247	12.39	cps
Thallium	205-1	677	550	573	600	11.24	cps
Tin	118-1	7699	7609	7582	7630	0.80	cps
Titanium	47-1	310	280	283	291	5.65	cps

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Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-09	Instrumnet Name :	P7
Client Sample ID :	E29W5	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:26:59	DataFile Name :	039SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	73	53	53	60	19.25	cps
Vanadium	51-2	107	120	123	117	7.56	cps
Yttrium	89-1	38502325	38402066	38512446	38472279	0.16	cps
Yttrium	89-2	9526253	9415334	9299362	9413650	1.21	cps
Zinc	66-2	13176	12812	12962	12984	1.41	cps
Zirconium	90-1	1670	1683	1633	1662	1.56	cps
Zirconium	91-1	360	347	340	349	2.92	cps

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On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-10	Instrumnet Name :	P7
Client Sample ID :	E29R6	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:30:14	DataFile Name :	040SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6418	5518	5177	5704	11.24	cps
Antimony	121-1	297	277	287	287	3.49	cps
Arsenic	75-2	673	510	583	589	13.89	cps
Barium	135-1	358616	359761	360613	359663	0.28	cps
Barium	137-1	624996	629677	623685	626120	0.50	cps
Beryllium	9-1	56	39	78	57	33.99	cps
Bismuth	209-1	19793252	20271137	19958208	20007533	1.21	cps
Bismuth	209-2	15166620	15800553	16026926	15664699	2.85	cps
Bromine	81-1	47332	57876	62280	55830	13.76	cps
Bromine	81-2	9126	9230	9446	9267	1.76	cps
Cadmium	108-1	43	73	57	58	26.01	cps
Cadmium	106-1	10981	10771	10267	10673	3.44	cps
Cadmium	111-1	7710	7542	7201	7484	3.47	cps
Calcium	43-1	6541168	6592188	6486150	6539835	0.81	cps
Calcium	44-1	104571728	104437008	103396765	104135167	0.62	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	5638	5941	5658	5746	2.95	cps
Cobalt	59-2	9867	10023	9683	9858	1.73	cps
Copper	63-2	3497	3284	3434	3405	3.22	cps
Dysprosium	156-1	147	140	123	137	8.79	cps
Dysprosium	156-2	93	100	80	91	11.18	cps
Erbium	164-1	203	237	220	220	7.57	cps
Erbium	164-2	153	147	223	174	24.35	cps
Gadolinium	160-1	237	203	223	221	7.59	cps
Gadolinium	160-2	1267	1283	1277	1276	0.66	cps
Holmium	165-1	34608189	34348056	34825626	34593957	0.69	cps
Holmium	165-2	22140950	23241838	23690485	23024424	3.46	cps
Indium	115-1	29359033	29591740	29524247	29491673	0.41	cps
Indium	115-2	9393645	9615002	9867793	9625480	2.46	cps
Iron	56-2	2103549	2132959	2044866	2093791	2.14	cps
Iron	57-2	148828	149033	149243	149035	0.14	cps
Iron	54-2	118135	117544	115119	116933	1.37	cps
Krypton	83-1	333	300	333	322	5.97	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-10	Instrumnet Name :	P7
Client Sample ID :	E29R6	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:30:14	DataFile Name :	040SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2474	2607	2590	2557	2.84	cps
Lead	207-1	2137	1910	2264	2104	8.51	cps
Lead	208-1	9785	9812	10072	9889	1.60	cps
Lithium	6-1	3524711	3536713	3474334	3511919	0.94	cps
Magnesium	24-2	39237814	39307702	38281489	38942335	1.47	cps
Manganese	55-2	2915697	2902185	2850786	2889556	1.19	cps
Molybdenum	94-1	52029	51771	52434	52078	0.64	cps
Molybdenum	95-1	89347	89823	87399	88856	1.45	cps
Molybdenum	96-1	95640	95901	96093	95878	0.24	cps
Molybdenum	97-1	55860	56211	54739	55603	1.38	cps
Molybdenum	98-1	142602	142770	142722	142698	0.06	cps
Neodymium	150-1	133	120	130	128	5.43	cps
Neodymium	150-2	63	60	67	63	5.27	cps
Nickel	60-2	2567	2747	2590	2635	3.72	cps
Phosphorus	31-2	520	517	553	530	3.83	cps
Potassium	39-2	1650100	1681321	1646310	1659244	1.16	cps
Rhodium	103-1	27585425	27336811	27468363	27463533	0.45	cps
Rhodium	103-2	14903249	15526676	15670650	15366858	2.65	cps
Scandium	45-1	16516311	16285039	16550253	16450534	0.88	cps
Scandium	45-2	1264058	1320293	1321015	1301789	2.51	cps
Selenium	82-1	644	585	554	595	7.70	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	540	420	417	459	15.31	cps
Silicon	28-1	83480597	84114244	82773785	83456209	0.80	cps
Silver	107-1	253	240	173	222	19.29	cps
Silver	109-1	137	137	123	132	5.82	cps
Sodium	23-2	22257022	22152236	21806657	22071972	1.07	cps
Strontium	86-1	23857001	23839170	23765226	23820466	0.20	cps
Strontium	88-1	206735504	208340344	208157210	207744352	0.42	cps
Sulfur	34-1	1707916	1676225	1664732	1682958	1.33	cps
Terbium	159-1	35764928	35783236	35845668	35797944	0.12	cps
Terbium	159-2	22234540	23059095	23166818	22820151	2.23	cps
Thallium	203-1	647	763	617	676	11.47	cps
Thallium	205-1	1430	1583	1647	1553	7.17	cps
Tin	118-1	7182	7092	7259	7177	1.16	cps
Titanium	47-1	1117	1117	1180	1138	3.21	cps

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Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-10	Instrumnet Name :	P7
Client Sample ID :	E29R6	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:30:14	DataFile Name :	040SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	100657	101373	101927	101319	0.63	cps
Vanadium	51-2	253	217	223	231	8.45	cps
Yttrium	89-1	40029724	40296409	40305001	40210378	0.39	cps
Yttrium	89-2	8861865	9244180	9437733	9181259	3.19	cps
Zinc	66-2	10144	9887	9783	9938	1.87	cps
Zirconium	90-1	3054	3027	3314	3131	5.06	cps
Zirconium	91-1	663	677	707	682	3.25	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-11	Instrumnet Name :	P7
Client Sample ID :	E29S0	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:33:25	DataFile Name :	041SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2157	2185	2262	2202	2.47	cps
Antimony	121-1	1097	1157	1330	1195	10.14	cps
Arsenic	75-2	673	673	677	674	0.29	cps
Barium	135-1	1180004	1191139	1185344	1185496	0.47	cps
Barium	137-1	2089574	2129067	2141948	2120196	1.29	cps
Beryllium	9-1	39	67	56	54	26.03	cps
Bismuth	209-1	20167223	20053215	19958416	20059618	0.52	cps
Bismuth	209-2	16060828	16074772	16085428	16073676	0.08	cps
Bromine	81-1	49349	56039	60001	55130	9.77	cps
Bromine	81-2	8362	8529	8643	8511	1.66	cps
Cadmium	108-1	47	37	37	40	14.43	cps
Cadmium	106-1	10857	10914	10394	10722	2.66	cps
Cadmium	111-1	7688	7671	7340	7566	2.59	cps
Calcium	43-1	6743990	6726403	6774519	6748304	0.36	cps
Calcium	44-1	108027342	108640948	107261622	107976637	0.64	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	7282	7589	7075	7315	3.53	cps
Cobalt	59-2	4091	3961	3911	3987	2.33	cps
Copper	63-2	9670	9653	9373	9565	1.74	cps
Dysprosium	156-1	140	117	123	127	9.49	cps
Dysprosium	156-2	70	103	107	93	21.72	cps
Erbium	164-1	267	267	223	252	9.92	cps
Erbium	164-2	173	177	183	178	2.86	cps
Gadolinium	160-1	243	237	223	234	4.34	cps
Gadolinium	160-2	1277	1233	1313	1275	3.14	cps
Holmium	165-1	35164029	34505456	34951495	34873660	0.96	cps
Holmium	165-2	23456792	23433173	23701695	23530553	0.63	cps
Indium	115-1	29529328	29485371	29521004	29511901	0.08	cps
Indium	115-2	9787126	9906802	9841453	9845127	0.61	cps
Iron	56-2	1162244	1158128	1155709	1158694	0.29	cps
Iron	57-2	130713	131032	134095	131947	1.42	cps
Iron	54-2	65559	65220	65980	65586	0.58	cps
Krypton	83-1	340	320	340	333	3.46	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-11	Instrumnet Name :	P7
Client Sample ID :	E29S0	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:33:25	DataFile Name :	041SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3217	3267	3080	3188	3.03	cps
Lead	207-1	2680	2897	2797	2791	3.89	cps
Lead	208-1	12609	12522	12559	12563	0.35	cps
Lithium	6-1	3547330	3437895	3512385	3499203	1.60	cps
Magnesium	24-2	35688385	35802694	35515585	35668888	0.41	cps
Manganese	55-2	907929	901119	908757	905935	0.46	cps
Molybdenum	94-1	23222	23836	23011	23357	1.83	cps
Molybdenum	95-1	38013	38748	38674	38478	1.05	cps
Molybdenum	96-1	42281	41512	42391	42061	1.14	cps
Molybdenum	97-1	24237	24414	24430	24360	0.44	cps
Molybdenum	98-1	62667	62506	62721	62631	0.18	cps
Neodymium	150-1	207	190	177	191	7.86	cps
Neodymium	150-2	80	103	67	83	22.27	cps
Nickel	60-2	5381	5614	5314	5437	2.90	cps
Phosphorus	31-2	527	597	527	550	7.35	cps
Potassium	39-2	1905898	1962072	1938426	1935465	1.46	cps
Rhodium	103-1	27546685	27562930	27442099	27517238	0.24	cps
Rhodium	103-2	16060044	15902665	15871154	15944621	0.63	cps
Scandium	45-1	16368604	16524257	16331061	16407974	0.62	cps
Scandium	45-2	1307836	1364493	1335627	1335985	2.12	cps
Selenium	82-1	914	943	866	908	4.27	cps
Selenium	77-2	30	27	43	33	26.45	cps
Selenium	78-2	613	483	520	539	12.44	cps
Silicon	28-1	63827899	64866352	64139691	64277981	0.83	cps
Silver	107-1	300	223	250	258	15.10	cps
Silver	109-1	83	143	120	116	26.18	cps
Sodium	23-2	23227387	23249159	22811880	23096142	1.07	cps
Strontium	86-1	2057003	2052623	2115803	2075143	1.70	cps
Strontium	88-1	17888860	17989778	18057968	17978869	0.47	cps
Sulfur	34-1	1240210	1250799	1221869	1237626	1.18	cps
Terbium	159-1	35943985	35166091	35508356	35539478	1.10	cps
Terbium	159-2	23430540	23432607	23380631	23414593	0.13	cps
Thallium	203-1	980	1010	967	986	2.25	cps
Thallium	205-1	2444	2250	2454	2382	4.81	cps
Tin	118-1	8576	9057	8763	8799	2.76	cps
Titanium	47-1	970	917	1060	982	7.38	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-11	Instrumnet Name :	P7
Client Sample ID :	E29S0	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:33:25	DataFile Name :	041SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	94903	95684	96273	95620	0.72	cps
Vanadium	51-2	477	480	560	506	9.33	cps
Yttrium	89-1	39665376	40032249	40365726	40021117	0.88	cps
Yttrium	89-2	9734723	9684627	9723474	9714275	0.27	cps
Zinc	66-2	10400	10540	10073	10338	2.32	cps
Zirconium	90-1	4001	4011	3741	3917	3.91	cps
Zirconium	91-1	793	867	820	827	4.49	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-12	Instrumnet Name :	P7
Client Sample ID :	E29S2	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:36:33	DataFile Name :	042SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2265	2296	2187	2249	2.49	cps
Antimony	121-1	213	227	200	213	6.25	cps
Arsenic	75-2	497	570	527	531	6.94	cps
Barium	135-1	348786	356756	358533	354692	1.46	cps
Barium	137-1	612030	617723	619531	616428	0.64	cps
Beryllium	9-1	56	61	39	52	22.30	cps
Bismuth	209-1	20352783	20051696	20215548	20206676	0.75	cps
Bismuth	209-2	16321041	16187303	16056811	16188385	0.82	cps
Bromine	81-1	51764	60898	66345	59669	12.35	cps
Bromine	81-2	9340	9063	9777	9393	3.83	cps
Cadmium	108-1	37	33	37	36	5.42	cps
Cadmium	106-1	11074	10724	10724	10841	1.87	cps
Cadmium	111-1	7813	7510	7538	7620	2.20	cps
Calcium	43-1	6277694	6511518	6446490	6411901	1.88	cps
Calcium	44-1	101739278	103178072	101613618	102176990	0.85	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	5474	5461	5451	5462	0.21	cps
Cobalt	59-2	9807	10140	9560	9836	2.96	cps
Copper	63-2	3781	3677	3777	3745	1.57	cps
Dysprosium	156-1	110	110	130	117	9.90	cps
Dysprosium	156-2	93	110	113	106	10.16	cps
Erbium	164-1	280	240	227	249	11.15	cps
Erbium	164-2	197	193	180	190	4.64	cps
Gadolinium	160-1	230	243	237	237	2.82	cps
Gadolinium	160-2	1237	1297	1297	1277	2.71	cps
Holmium	165-1	34874481	34617380	34875740	34789201	0.43	cps
Holmium	165-2	24208370	23589395	23528297	23775354	1.58	cps
Indium	115-1	30015227	29701863	29902132	29873074	0.53	cps
Indium	115-2	9840579	9955046	9813815	9869813	0.76	cps
Iron	56-2	2051873	2067162	2042673	2053903	0.60	cps
Iron	57-2	146692	148785	149404	148293	0.96	cps
Iron	54-2	111475	114065	112426	112655	1.16	cps
Krypton	83-1	343	300	287	310	9.56	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-12	Instrumnet Name :	P7
Client Sample ID :	E29S2	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:36:33	DataFile Name :	042SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2787	2737	2574	2699	4.13	cps
Lead	207-1	2184	2204	2337	2241	3.72	cps
Lead	208-1	10562	10342	10478	10461	1.06	cps
Lithium	6-1	3542297	3504658	3539776	3528910	0.60	cps
Magnesium	24-2	37341349	38668296	38278231	38095959	1.79	cps
Manganese	55-2	2861914	2863617	2849780	2858437	0.26	cps
Molybdenum	94-1	51306	50373	50534	50738	0.98	cps
Molybdenum	95-1	86832	87640	88032	87502	0.70	cps
Molybdenum	96-1	93553	94133	95324	94337	0.96	cps
Molybdenum	97-1	54541	55277	54565	54794	0.76	cps
Molybdenum	98-1	140169	142621	142723	141838	1.02	cps
Neodymium	150-1	127	120	160	136	15.81	cps
Neodymium	150-2	70	63	60	64	7.90	cps
Nickel	60-2	2764	2760	2914	2813	3.11	cps
Phosphorus	31-2	513	547	540	533	3.31	cps
Potassium	39-2	1611188	1644097	1593685	1616323	1.58	cps
Rhodium	103-1	27952149	27181082	27210557	27447929	1.59	cps
Rhodium	103-2	16049254	15875418	16021533	15982068	0.58	cps
Scandium	45-1	16668854	16488592	16504932	16554126	0.60	cps
Scandium	45-2	1313104	1340543	1332167	1328605	1.06	cps
Selenium	82-1	600	606	507	571	9.71	cps
Selenium	77-2	3	0	0	1	173.21	cps
Selenium	78-2	417	517	390	441	15.14	cps
Silicon	28-1	82280489	83077414	81447717	82268540	0.99	cps
Silver	107-1	230	217	270	239	11.62	cps
Silver	109-1	123	110	120	118	5.89	cps
Sodium	23-2	21348243	22176463	21784129	21769612	1.90	cps
Strontium	86-1	23249881	23696398	23643154	23529811	1.04	cps
Strontium	88-1	205175210	204803910	205333950	205104357	0.13	cps
Sulfur	34-1	1695275	1725091	1703767	1708045	0.90	cps
Terbium	159-1	35909696	35569347	35912547	35797197	0.55	cps
Terbium	159-2	23511845	23896436	23345200	23584494	1.20	cps
Thallium	203-1	760	753	637	717	9.68	cps
Thallium	205-1	1630	1600	1720	1650	3.79	cps
Tin	118-1	6755	7395	7519	7223	5.68	cps
Titanium	47-1	1130	1160	1233	1175	4.53	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-12	Instrumnet Name :	P7
Client Sample ID :	E29S2	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:36:33	DataFile Name :	042SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	98847	99146	99798	99264	0.49	cps
Vanadium	51-2	243	220	233	232	5.04	cps
Yttrium	89-1	40921181	40518116	40272118	40570472	0.81	cps
Yttrium	89-2	9695142	9452470	9536458	9561357	1.29	cps
Zinc	66-2	9316	8863	9143	9107	2.51	cps
Zirconium	90-1	2560	2650	2590	2600	1.76	cps
Zirconium	91-1	530	543	557	543	2.45	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-13	Instrumnet Name :	P7
Client Sample ID :	E29S6	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:39:43	DataFile Name :	043SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	404678	403196	404579	404151	0.20	cps
Antimony	121-1	27593	27226	28124	27648	1.63	cps
Arsenic	75-2	6498	6415	6578	6497	1.26	cps
Barium	135-1	889337	894936	906823	897032	1.00	cps
Barium	137-1	1588788	1612215	1598735	1599913	0.73	cps
Beryllium	9-1	156	144	150	150	3.70	cps
Bismuth	209-1	20435178	20354573	20075692	20288481	0.93	cps
Bismuth	209-2	15911439	16016020	15890898	15939453	0.42	cps
Bromine	81-1	70749	88557	96778	85361	15.59	cps
Bromine	81-2	15415	16202	15935	15851	2.53	cps
Cadmium	108-1	107	83	93	94	12.40	cps
Cadmium	106-1	11258	11141	10757	11052	2.37	cps
Cadmium	111-1	8016	7964	7708	7896	2.08	cps
Calcium	43-1	7822199	7879068	7750661	7817309	0.82	cps
Calcium	44-1	124050728	127649675	125500741	125733715	1.44	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	26179	25669	26256	26035	1.23	cps
Cobalt	59-2	32201	33167	32873	32747	1.51	cps
Copper	63-2	44469	44663	44285	44472	0.42	cps
Dysprosium	156-1	5971	6295	6195	6154	2.69	cps
Dysprosium	156-2	4794	4954	4811	4853	1.81	cps
Erbium	164-1	5008	5368	5261	5212	3.55	cps
Erbium	164-2	3560	3530	3744	3612	3.20	cps
Gadolinium	160-1	6088	6355	6375	6273	2.55	cps
Gadolinium	160-2	5655	5488	5685	5609	1.89	cps
Holmium	165-1	35524206	34489349	34767592	34927049	1.53	cps
Holmium	165-2	23705031	23358637	23461272	23508314	0.76	cps
Indium	115-1	29690089	29603955	29660063	29651369	0.15	cps
Indium	115-2	9871752	9817576	9560977	9750101	1.70	cps
Iron	56-2	28714708	28448419	28651504	28604877	0.49	cps
Iron	57-2	826218	830296	828077	828197	0.25	cps
Iron	54-2	1571646	1605819	1558413	1578626	1.55	cps
Krypton	83-1	380	290	313	328	14.25	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-13	Instrumnet Name :	P7
Client Sample ID :	E29S6	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:39:43	DataFile Name :	043SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	23574	24579	23951	24035	2.11	cps
Lead	207-1	19210	20035	19521	19589	2.13	cps
Lead	208-1	89983	93127	91573	91561	1.72	cps
Lithium	6-1	3558736	3490275	3458955	3502656	1.46	cps
Magnesium	24-2	44508608	44165328	43711813	44128583	0.91	cps
Manganese	55-2	2596065	2545270	2541617	2560984	1.19	cps
Molybdenum	94-1	111446	114093	113828	113122	1.29	cps
Molybdenum	95-1	173839	174325	175611	174591	0.52	cps
Molybdenum	96-1	187435	190132	192659	190075	1.37	cps
Molybdenum	97-1	107219	109432	110742	109131	1.63	cps
Molybdenum	98-1	280341	284716	282023	282360	0.78	cps
Neodymium	150-1	9964	10414	9773	10050	3.27	cps
Neodymium	150-2	5751	5538	5578	5622	2.02	cps
Nickel	60-2	20521	20351	21082	20651	1.85	cps
Phosphorus	31-2	2013	2117	2027	2052	2.74	cps
Potassium	39-2	2471341	2510550	2510132	2497341	0.90	cps
Rhodium	103-1	27432836	27050302	27201943	27228360	0.71	cps
Rhodium	103-2	15902086	15830854	15583223	15772054	1.06	cps
Scandium	45-1	16930215	16430490	16544592	16635099	1.57	cps
Scandium	45-2	1332016	1317859	1298709	1316195	1.27	cps
Selenium	82-1	589	626	581	599	4.04	cps
Selenium	77-2	10	33	17	20	60.08	cps
Selenium	78-2	510	487	443	480	7.05	cps
Silicon	28-1	99561352	103374305	101559298	101498318	1.88	cps
Silver	107-1	353	350	370	358	3.00	cps
Silver	109-1	263	213	250	242	10.69	cps
Sodium	23-2	20712751	20640724	20491236	20614903	0.55	cps
Strontium	86-1	1952340	1950900	1975181	1959473	0.70	cps
Strontium	88-1	17159734	17133096	17224788	17172539	0.27	cps
Sulfur	34-1	2823666	2906012	2855229	2861636	1.45	cps
Terbium	159-1	36615919	35872892	35988034	36158948	1.11	cps
Terbium	159-2	23528800	23238885	23132287	23299991	0.88	cps
Thallium	203-1	1583	1487	1507	1526	3.34	cps
Thallium	205-1	3574	3654	3507	3578	2.05	cps
Tin	118-1	9780	9977	9894	9883	1.00	cps
Titanium	47-1	63582	60338	61131	61684	2.74	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	P4831-13	Instrumnet Name :	P7
Client Sample ID :	E29S6	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:39:43	DataFile Name :	043SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	78895	80180	80052	79709	0.89	cps
Vanadium	51-2	14344	15582	15068	14998	4.15	cps
Yttrium	89-1	40667652	39494070	39701989	39954570	1.57	cps
Yttrium	89-2	9561694	9551961	9471380	9528345	0.52	cps
Zinc	66-2	19736	19192	19429	19453	1.40	cps
Zirconium	90-1	37409	37688	37074	37390	0.82	cps
Zirconium	91-1	8326	8062	8590	8326	3.17	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	CCV005	Instrumnet Name :	P7
Client Sample ID :	CCV005	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:42:51	DataFile Name :	044CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	26103296	26442051	26655248	26400199	1.05	cps
Antimony	121-1	12513736	12625910	12665001	12601549	0.62	cps
Arsenic	75-2	638313	634205	633111	635210	0.43	cps
Barium	135-1	15256305	15299309	15258000	15271205	0.16	cps
Barium	137-1	25861698	26283502	26401570	26182257	1.08	cps
Beryllium	9-1	1275072	1259165	1275417	1269885	0.73	cps
Bismuth	209-1	19278010	18978629	18788407	19015015	1.30	cps
Bismuth	209-2	14609711	14621783	14596912	14609469	0.09	cps
Bromine	81-1	28855	27339	25676	27290	5.83	cps
Bromine	81-2	1423	1417	1187	1342	10.04	cps
Cadmium	108-1	242301	242131	243785	242739	0.37	cps
Cadmium	106-1	344403	347886	347622	346637	0.56	cps
Cadmium	111-1	3334929	3337560	3338067	3336852	0.05	cps
Calcium	43-1	16095268	16140007	16229200	16154825	0.42	cps
Calcium	44-1	262030983	259506276	264010863	261849374	0.86	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4984996	4973765	4950123	4969628	0.36	cps
Cobalt	59-2	8049880	8147612	8031005	8076166	0.77	cps
Copper	63-2	58902077	59005379	58847554	58918337	0.14	cps
Dysprosium	156-1	610	693	740	681	9.67	cps
Dysprosium	156-2	1037	1017	947	1000	4.73	cps
Erbium	164-1	663	670	660	664	0.77	cps
Erbium	164-2	433	480	517	477	8.76	cps
Gadolinium	160-1	473	573	627	558	13.96	cps
Gadolinium	160-2	1393	1407	1603	1468	8.01	cps
Holmium	165-1	34929629	34145821	34359399	34478283	1.18	cps
Holmium	165-2	23261073	23111925	23002330	23125109	0.56	cps
Indium	115-1	28429457	28047602	27976425	28151162	0.87	cps
Indium	115-2	9382332	9188048	9338295	9302892	1.09	cps
Iron	56-2	1111026143	1118662650	1114590623	1114759806	0.34	cps
Iron	57-2	27639168	27772943	27931357	27781156	0.53	cps
Iron	54-2	60689182	61060612	60546416	60765404	0.44	cps
Krypton	83-1	350	330	437	372	15.23	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	CCV005	Instrumnet Name :	P7
Client Sample ID :	CCV005	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:42:51	DataFile Name :	044CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	43202441	43535474	43120788	43286234	0.51	cps
Lead	207-1	38029059	38534890	38062662	38208871	0.74	cps
Lead	208-1	172479189	174410817	172450538	173113515	0.65	cps
Lithium	6-1	3388232	3267153	3237273	3297553	2.42	cps
Magnesium	24-2	229186277	225830263	225998970	227005170	0.83	cps
Manganese	55-2	37479767	37745013	37720299	37648360	0.39	cps
Molybdenum	94-1	44477021	45078253	45128366	44894547	0.81	cps
Molybdenum	95-1	64737102	65552934	65446226	65245421	0.68	cps
Molybdenum	96-1	71105964	71887231	72449776	71814323	0.94	cps
Molybdenum	97-1	40201017	40644369	41082122	40642502	1.08	cps
Molybdenum	98-1	103931802	104267398	105687788	104628996	0.89	cps
Neodymium	150-1	907	897	840	881	4.08	cps
Neodymium	150-2	277	213	280	257	14.64	cps
Nickel	60-2	2047196	2030504	2088693	2055465	1.46	cps
Phosphorus	31-2	243904	243667	245090	244220	0.31	cps
Potassium	39-2	128362498	129309095	129419345	129030313	0.45	cps
Rhodium	103-1	25768359	25516447	25563714	25616173	0.52	cps
Rhodium	103-2	14759731	14664549	14793347	14739209	0.45	cps
Scandium	45-1	16176710	16209195	15970382	16118762	0.80	cps
Scandium	45-2	1277912	1323094	1338899	1313302	2.41	cps
Selenium	82-1	192270	195130	195119	194173	0.85	cps
Selenium	77-2	18285	17918	18405	18202	1.39	cps
Selenium	78-2	61785	61815	61219	61606	0.54	cps
Silicon	28-1	21862947	22009238	22239071	22037085	0.86	cps
Silver	107-1	16365711	16433423	16453764	16417633	0.28	cps
Silver	109-1	15671502	15526083	15683163	15626916	0.56	cps
Sodium	23-2	353308328	354995568	350918035	353073977	0.58	cps
Strontium	86-1	3969787	3991611	4128579	4029992	2.14	cps
Strontium	88-1	34940864	35228102	35473100	35214022	0.76	cps
Sulfur	34-1	1322886	1314169	1306330	1314462	0.63	cps
Terbium	159-1	35693277	35571916	35236899	35500698	0.67	cps
Terbium	159-2	22810186	22688136	22786302	22761541	0.28	cps
Thallium	203-1	10829355	10920018	10950544	10899972	0.58	cps
Thallium	205-1	26172857	25952181	26037991	26054343	0.43	cps
Tin	118-1	10296577	10463510	10371406	10377164	0.81	cps
Titanium	47-1	15473765	15692278	15647974	15604672	0.74	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	CCV005	Instrumnet Name :	P7
Client Sample ID :	CCV005	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:42:51	DataFile Name :	044CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	33613515	33693733	34090729	33799326	0.76	cps
Vanadium	51-2	4363512	4385007	4342135	4363551	0.49	cps
Yttrium	89-1	39195108	38858131	38928054	38993764	0.46	cps
Yttrium	89-2	9479857	9360429	9437488	9425925	0.64	cps
Zinc	66-2	9435568	9419517	9523670	9459585	0.59	cps
Zirconium	90-1	21791103	22114420	22137561	22014361	0.88	cps
Zirconium	91-1	4786796	4911346	4883639	4860594	1.35	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	CCB005	Instrumnet Name :	P7
Client Sample ID :	CCB005	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:45:33	DataFile Name :	045CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1410	977	928	1105	24.02	cps
Antimony	121-1	5975	6602	7812	6796	13.74	cps
Arsenic	75-2	40	30	27	32	21.53	cps
Barium	135-1	3084	1527	1130	1914	53.97	cps
Barium	137-1	5394	2987	1797	3393	54.02	cps
Beryllium	9-1	378	261	128	256	48.95	cps
Bismuth	209-1	19371767	19486504	19876750	19578341	1.35	cps
Bismuth	209-2	16105366	15974334	15997123	16025608	0.44	cps
Bromine	81-1	17621	16683	16626	16977	3.29	cps
Bromine	81-2	357	377	373	369	2.90	cps
Cadmium	108-1	73	60	27	53	45.06	cps
Cadmium	106-1	10014	10297	9917	10076	1.96	cps
Cadmium	111-1	7828	7566	7166	7520	4.43	cps
Calcium	43-1	10430	8489	7805	8908	15.29	cps
Calcium	44-1	181616	156529	146526	161557	11.19	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	6822	6605	6908	6778	2.31	cps
Cobalt	59-2	437	367	293	366	19.61	cps
Copper	63-2	4054	3847	3837	3913	3.13	cps
Dysprosium	156-1	10	23	13	16	44.60	cps
Dysprosium	156-2	17	10	7	11	45.82	cps
Erbium	164-1	133	100	130	121	15.16	cps
Erbium	164-2	90	110	120	107	14.32	cps
Gadolinium	160-1	143	103	127	124	16.15	cps
Gadolinium	160-2	1353	1233	1133	1240	8.88	cps
Holmium	165-1	32546415	33073638	33215713	32945255	1.07	cps
Holmium	165-2	22870854	22907073	23035519	22937815	0.38	cps
Indium	115-1	27862063	28351261	28543013	28252112	1.24	cps
Indium	115-2	9747534	9711584	9795115	9751411	0.43	cps
Iron	56-2	66801	60655	57295	61584	7.83	cps
Iron	57-2	2457	2257	2267	2327	4.84	cps
Iron	54-2	6718	6405	6258	6460	3.64	cps
Krypton	83-1	330	270	280	293	10.96	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	CCB005	Instrumnet Name :	P7
Client Sample ID :	CCB005	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:45:33	DataFile Name :	045CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	11252	6715	4821	7596	43.50	cps
Lead	207-1	9744	5928	4321	6664	41.80	cps
Lead	208-1	44877	26914	20089	30627	41.81	cps
Lithium	6-1	3398881	3302358	3410364	3370534	1.76	cps
Magnesium	24-2	7799	6852	6038	6896	12.78	cps
Manganese	55-2	14530	14434	14314	14426	0.75	cps
Molybdenum	94-1	11478	7285	5931	8232	35.13	cps
Molybdenum	95-1	14007	7762	5254	9008	50.04	cps
Molybdenum	96-1	15656	8883	6515	10351	45.83	cps
Molybdenum	97-1	8846	4727	3360	5645	50.59	cps
Molybdenum	98-1	22331	12379	9086	14599	47.24	cps
Neodymium	150-1	30	30	17	26	30.11	cps
Neodymium	150-2	7	7	10	8	24.71	cps
Nickel	60-2	677	617	593	629	6.84	cps
Phosphorus	31-2	440	360	443	414	11.38	cps
Potassium	39-2	79911	79804	77955	79224	1.39	cps
Rhodium	103-1	26602746	26824076	27009913	26812245	0.76	cps
Rhodium	103-2	16059921	15963459	16183718	16069032	0.69	cps
Scandium	45-1	15560515	15509125	15750586	15606742	0.82	cps
Scandium	45-2	1303361	1284674	1313075	1300370	1.11	cps
Selenium	82-1	584	562	527	558	5.08	cps
Selenium	77-2	0	7	0	2	173.21	cps
Selenium	78-2	473	427	433	444	5.68	cps
Silicon	28-1	1316180	1303511	1287235	1302309	1.11	cps
Silver	107-1	3230	1673	1120	2008	54.49	cps
Silver	109-1	3124	1497	1060	1894	57.43	cps
Sodium	23-2	86803	83592	83883	84759	2.09	cps
Strontium	86-1	1760	1270	1003	1345	28.55	cps
Strontium	88-1	10724	7185	5878	7929	31.62	cps
Sulfur	34-1	289582	286208	289250	288347	0.64	cps
Terbium	159-1	33503163	33842254	33927954	33757790	0.67	cps
Terbium	159-2	22491710	22765441	22731324	22662825	0.66	cps
Thallium	203-1	2497	1530	1073	1700	42.75	cps
Thallium	205-1	5935	3511	2517	3987	44.09	cps
Tin	118-1	10554	9336	9457	9782	6.86	cps
Titanium	47-1	3364	1817	1090	2090	55.56	cps

Reviewed By:Mohan
On:11/21/2024 4:25:15 AM
Inst Id :P7

LB Number :	LB133538	Operator :	Jaswal
Lab Sample ID :	CCB005	Instrumnet Name :	P7
Client Sample ID :	CCB005	Dilution Factor :	1
Date & Time Acquired :	2024-11-20 11:45:33	DataFile Name :	045CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	6652	3400	1954	4002	60.13	cps
Vanadium	51-2	140	160	140	147	7.87	cps
Yttrium	89-1	37553856	37724034	38084916	37787602	0.72	cps
Yttrium	89-2	9352523	9411927	9373259	9379236	0.32	cps
Zinc	66-2	14020	14290	13917	14076	1.37	cps
Zirconium	90-1	10571	8459	8156	9062	14.52	cps
Zirconium	91-1	2407	1890	1680	1992	18.77	cps

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Prep Standard - Chemical Standard Summary

Order ID : P4806

Test : Metals CLP MS FULL

Prepbatch ID : PB164951,

Sequence ID/Qc Batch ID: LB133504,LB133538,

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	11/25/2024	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	11/25/2024	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	11/25/2024	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	11/25/2024	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	11/25/2024	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	11/25/2024	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	11/25/2024	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	11/25/2024	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	11/25/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 11/04/2024

FROM 0.50000ml of M6095 + 1.00000ml of M6115 + 98.00000ml 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	11/25/2024	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	11/25/2024	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	11/25/2024	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	11/25/2024	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	11/25/2024	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	11/25/2024	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	11/25/2024	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	11/25/2024	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	11/25/2024	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	11/25/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 11/04/2024

FROM 5.00000ml of M6115 + 75.00000ml of M5739 + 170.00000ml of MP83014 = 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
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

Alliance TECHNICAL GROUP
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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 /	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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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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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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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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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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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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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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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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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

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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

M6028

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

R 8/5/24

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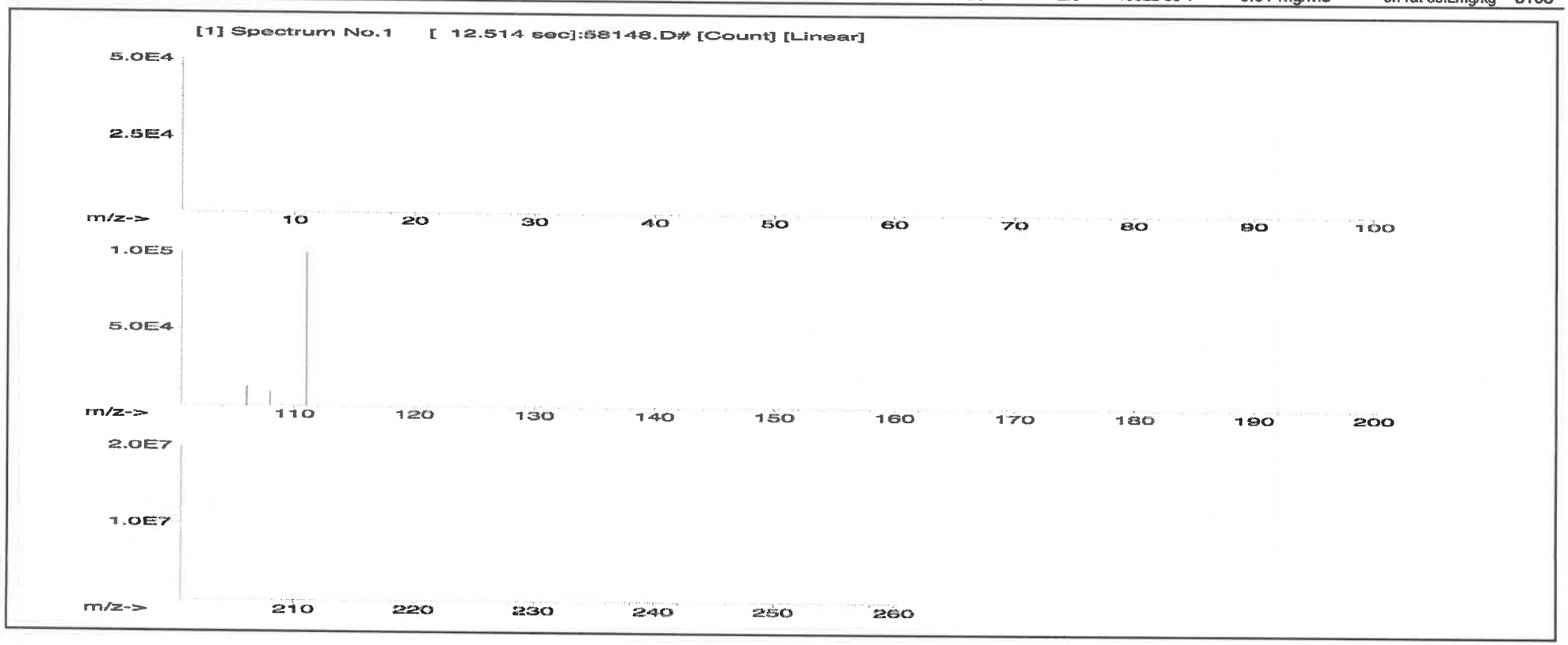
CERTIFIED WEIGHT REPORT:

Part Number:	**57048**		**Lot #**		
Lot Number:	**070124**	**Solvent:**	24002546	Nitric Acid	
Description:	**Cadmium (Cd)**	2%	40.0 (mL)	Nitric Acid	
Expiration Date:	070127				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.07	0.100	Flask Uncertainty		

Aleah O'Brady

Formulated By:	Aleah O'Brady	070124
Reviewed By:	Pedro L. Rentas	070124

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Cadmium nitrate tetrahydrate (Cd)	IN024	CDM092021A1	1000	99.999	0.10	36.5	5.4797	5.4804	**1000.1**	**2.0**	10022-68-1	0.01 mg/m3	orl-rat 60.2mg/kg	3108



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	T	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

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* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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R: 8/5/24

687

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

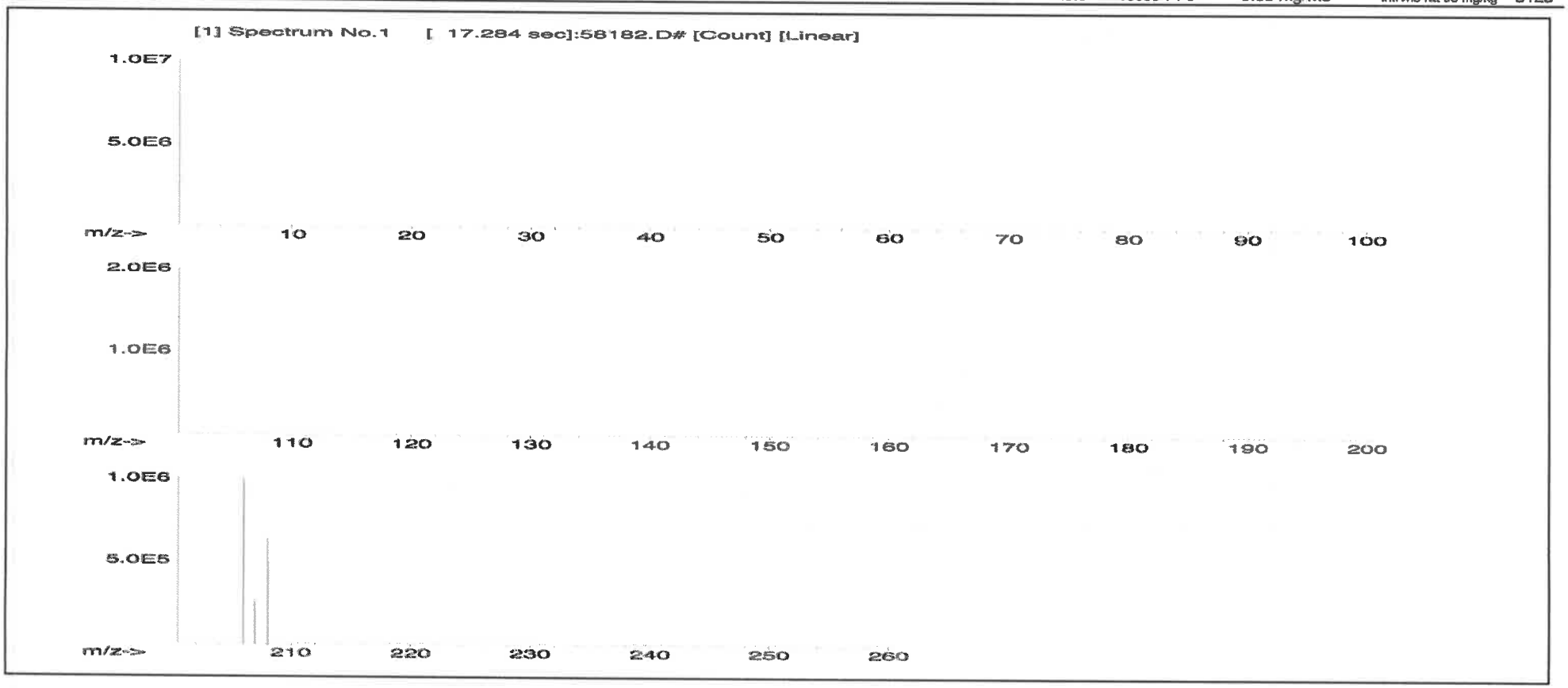
Weight shown below was diluted to (mL): 2000.02 0.058 Flask Uncertainty

		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



889

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.

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M5192 R: 06/17/22

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689

CERTIFIED WEIGHT REPORT:

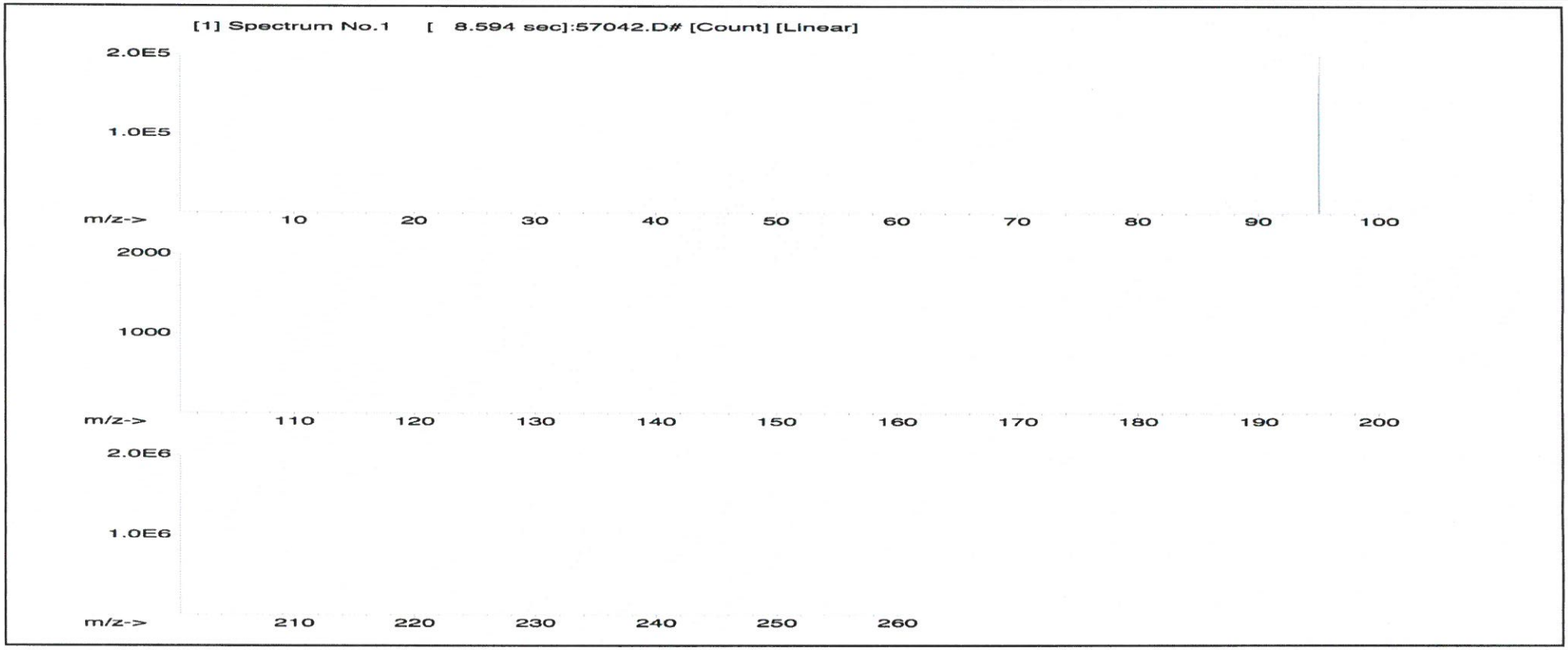
Part Number: 57042
Lot Number: 051722
Description: Molybdenum (Mo)
Expiration Date: 051725
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB
Volume shown below was diluted to (mL): 3000.41

Lot #	Solvent:		
MKBQ8597V	Ammonium hydroxide		
0.5%	15.0 (mL)	Ammonium hydroxide	

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

Formulated By: Lawrence Barry 051722
Reviewed By: Pedro L. Rentas 051722

	Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1.	Ammonium molybdate (Mo)	58142	022222	0.1000	300.0	0.084	1000	10001.0	**1000.0**	**2.1**	13106-76-8	5 mg(Mo)/m3	orl-rat 333 mg/kg	3134



690

Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	T	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

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V15200 R: 04/24/22 (BP)

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691

CERTIFIED WEIGHT REPORT:

Part Number: 58119
Lot Number: 071122
Description: Potassium (K)

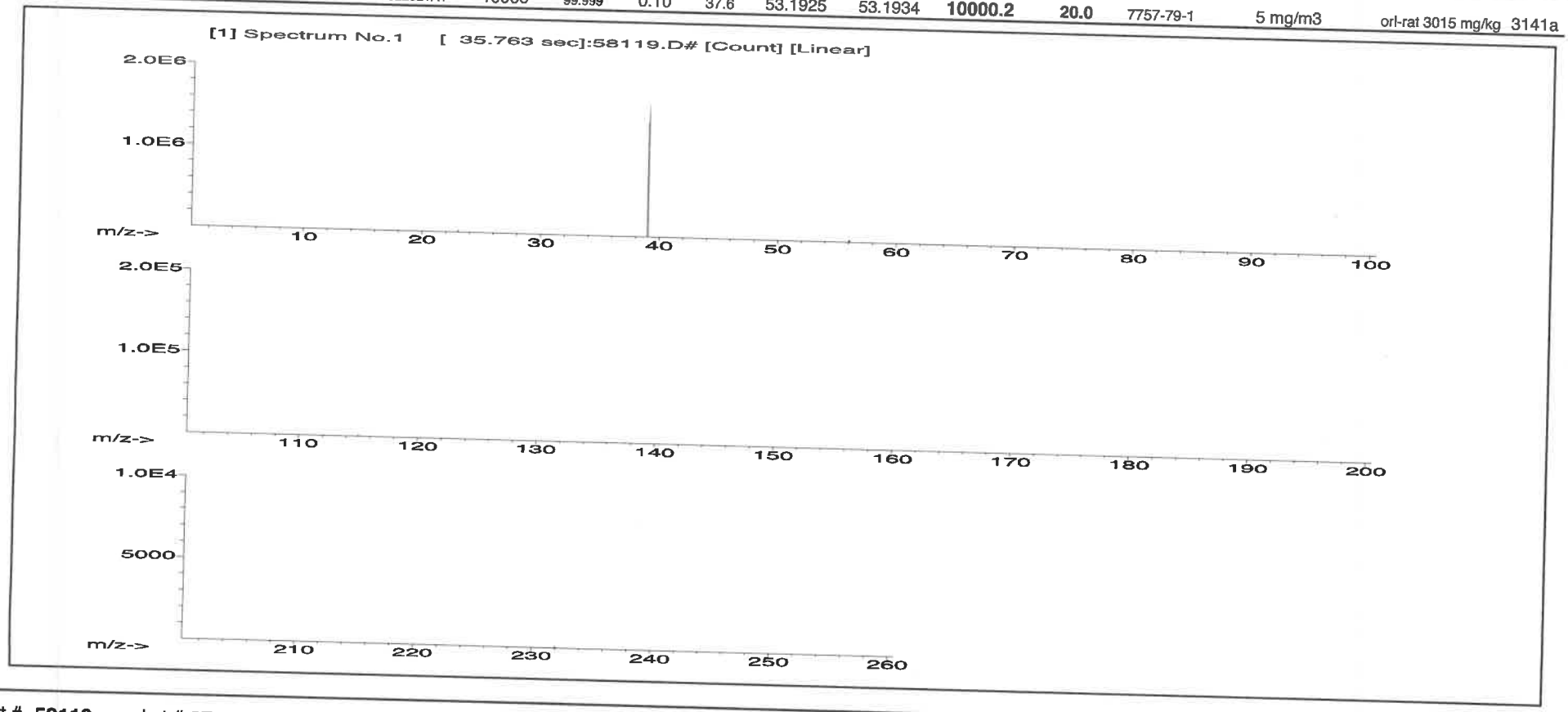
Expiration Date: 071125
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 2000.02

	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



692

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	T	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

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M5289 R: 07/12/22 (BH)

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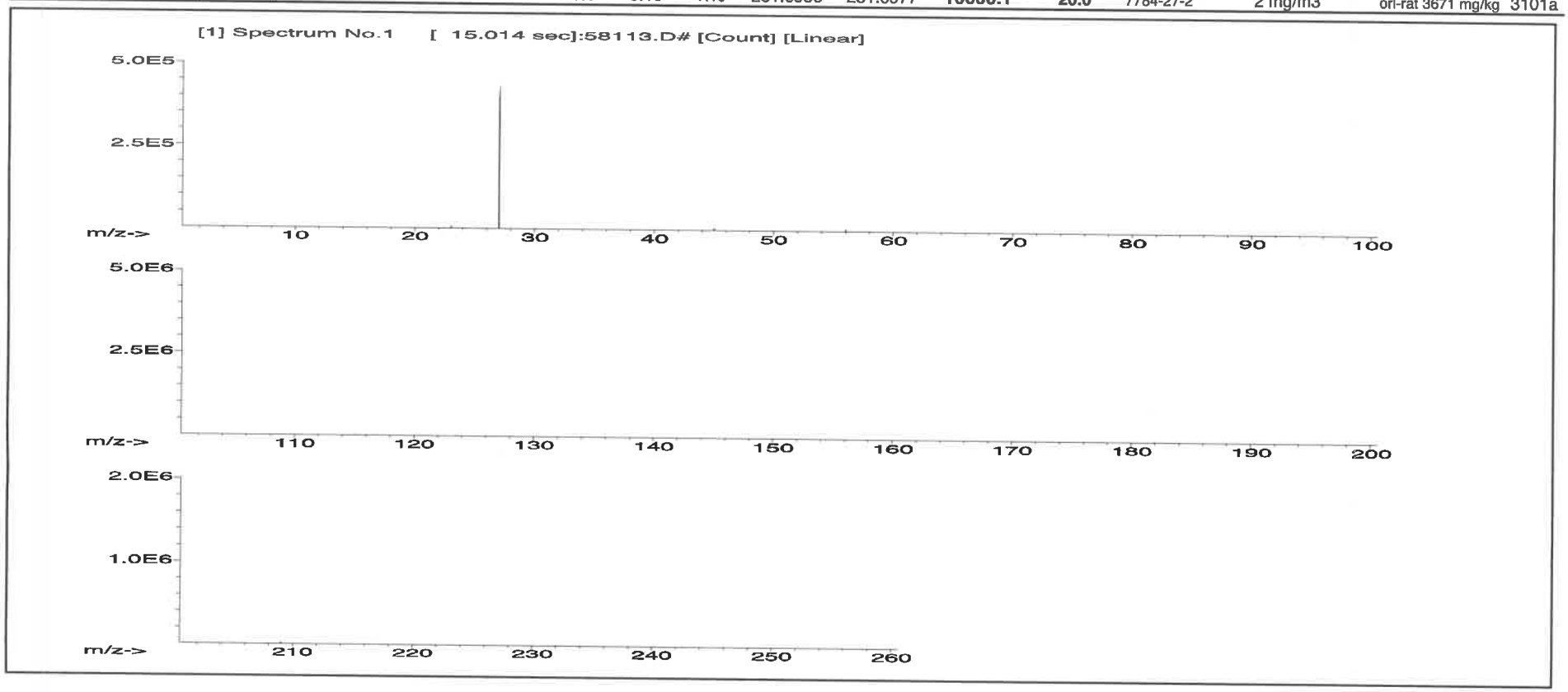
CERTIFIED WEIGHT REPORT:

Part Number:	**58113**			**Lot #**	
Lot Number:	**070622**		**Solvent:**	20370011	Nitric Acid
Description:	**Aluminum (Al)**		2%	40.0 (mL)	Nitric Acid
Expiration Date:	070625				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**10000**				
NIST Test Number:	6UTB	5E-05 Balance Uncertainty			
Weight shown below was diluted to (mL):	2000.02	0.058 Flask Uncertainty			

Formulated By:	Lawrence Barry	070622
Reviewed By:	Pedro L. Rentas	070622

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	**Actual Conc. (µg/mL)**	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Aluminum nitrate nonahydrate (Al)	IN022	ALD012021A1	10000	99.999	0.10	7.10	281.6956	281.6977	**10000.1**	**20.0**	7784-27-2	2 mg/m3	orl-rat 3671 mg/kg	3101a



Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	T	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

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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

IM5291
IM5292
IM5293
IM5294
IM5295

(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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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:	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 CM5391. M5392

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701

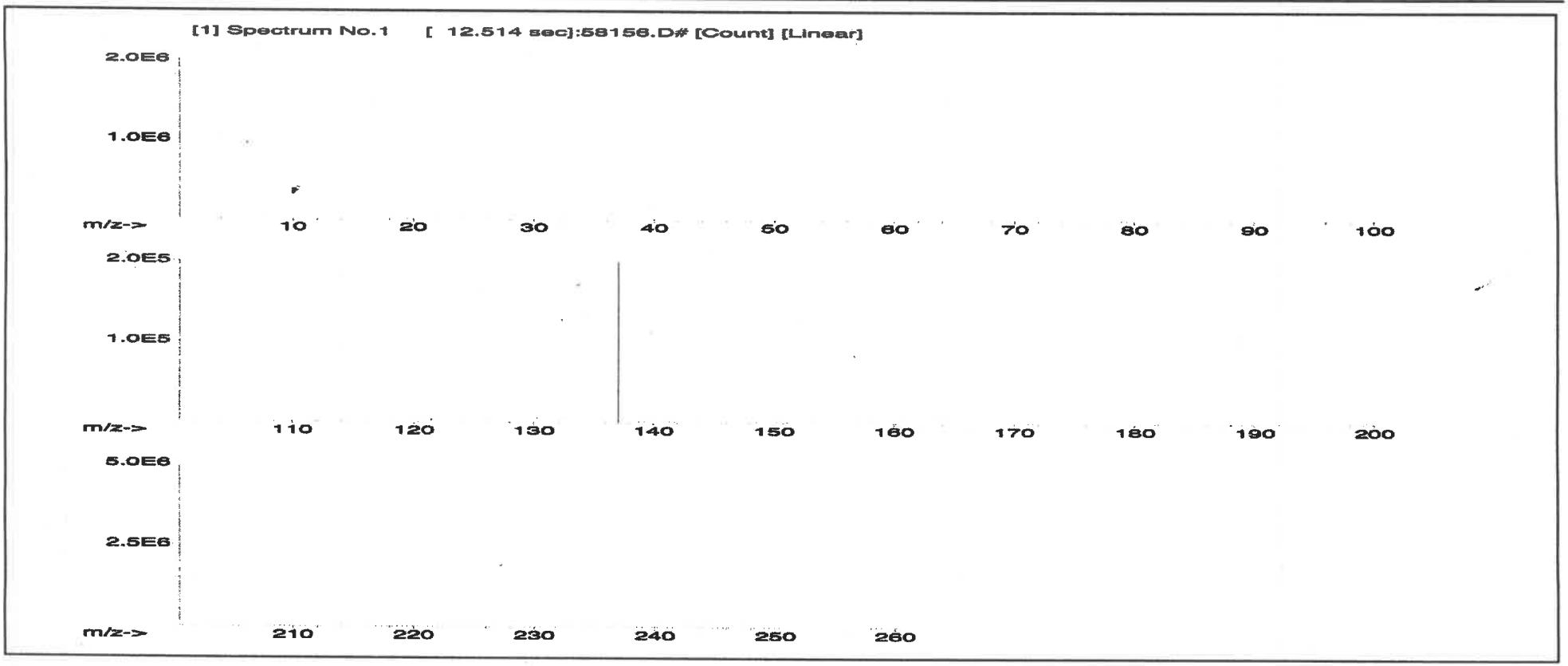
CERTIFIED WEIGHT REPORT:

Part Number:	**57056**		**Lot #**		
Lot Number:	**072122**	**Solvent:**	20510011	Nitric Acid	
Description:	**Barium (Ba)**	2%	40.0 (mL)	Nitric Acid	
Expiration Date:	072125				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty		

Giovanni Esposito

Formulated By:	Giovanni Esposito	072122
Reviewed By:	Pedro L. Rentas	072122

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Barium nitrate (Ba)	IN023	BAD022019A1	1000	99.999	0.10	52.3	3.82417	3.82426	**1000.0**	2.0	10022-31-8	0.5 mg/m3	orl-rat 355 mg/kg	3104a



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	T	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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Certified Reference Material CRM

IN5497 - IN5498 R: 03/17/23 BH

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CERTIFIED WEIGHT REPORT:

Part Number: 58120
Lot Number: 031523
Description: Calcium (Ca)

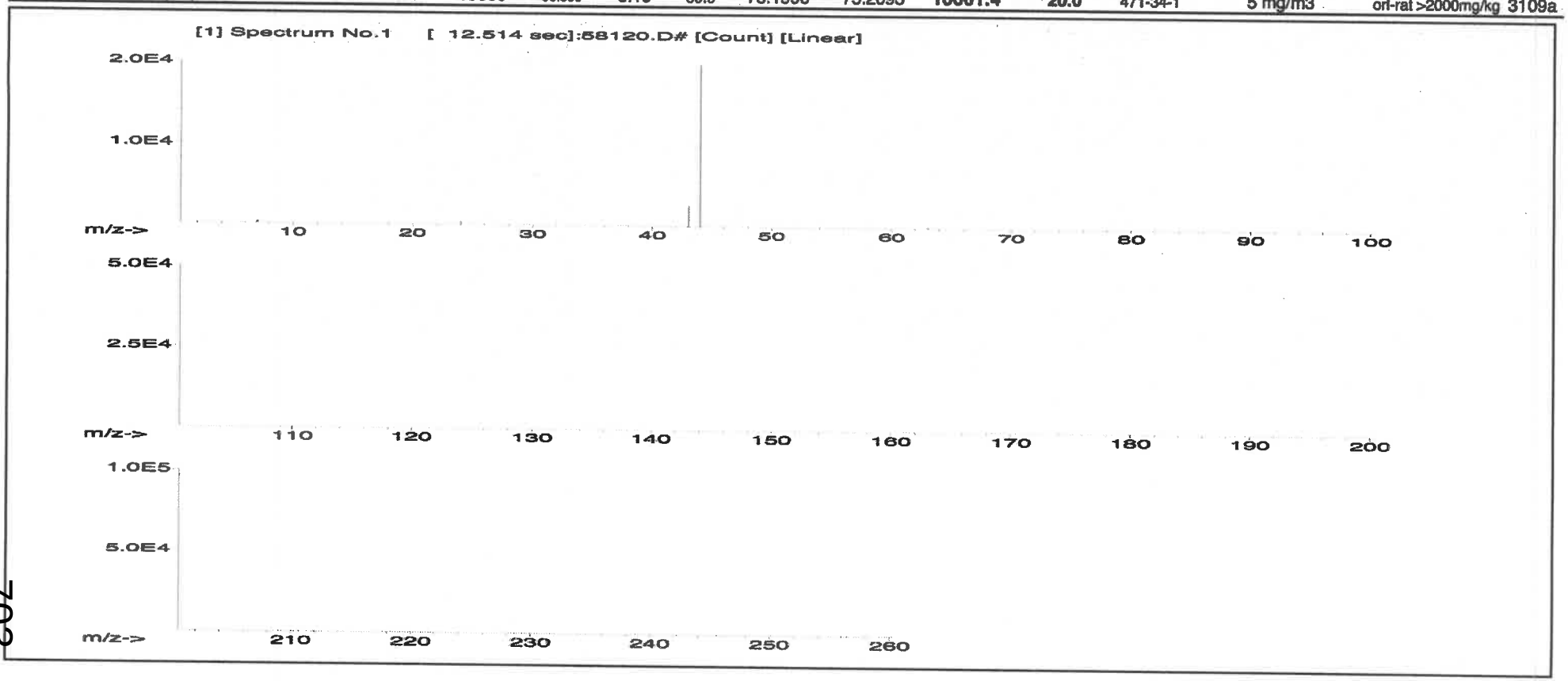
Expiration Date: 031526
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 3000.41

	Lot #		
Solvent:	21110221	Nitric Acid	
2%	60.0 (mL)	Nitric Acid	
	5E-05	Balance Uncertainty	
	0.058	Flask Uncertainty	

Giovanni Esposito

Formulated By:	Giovanni Esposito	031523
Reviewed By:	Pedro L. Rentas	031523

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Calcium carbonate (Ca)	IN014	CAD072022A1	10000	99.999	0.10	39.9	75.1990	75.2093	**10001.4**	**20.0**	471-34-1	5 mg/m3	orl-rat >2000mg/kg	3109a



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	T	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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Certified Reference Material CRM

MS513 R:03/17/23

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CERTIFIED WEIGHT REPORT:

Part Number: 57182
Lot Number: 061522
Description: Lead (Pb)

Expiration Date: 061525
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 2000.02

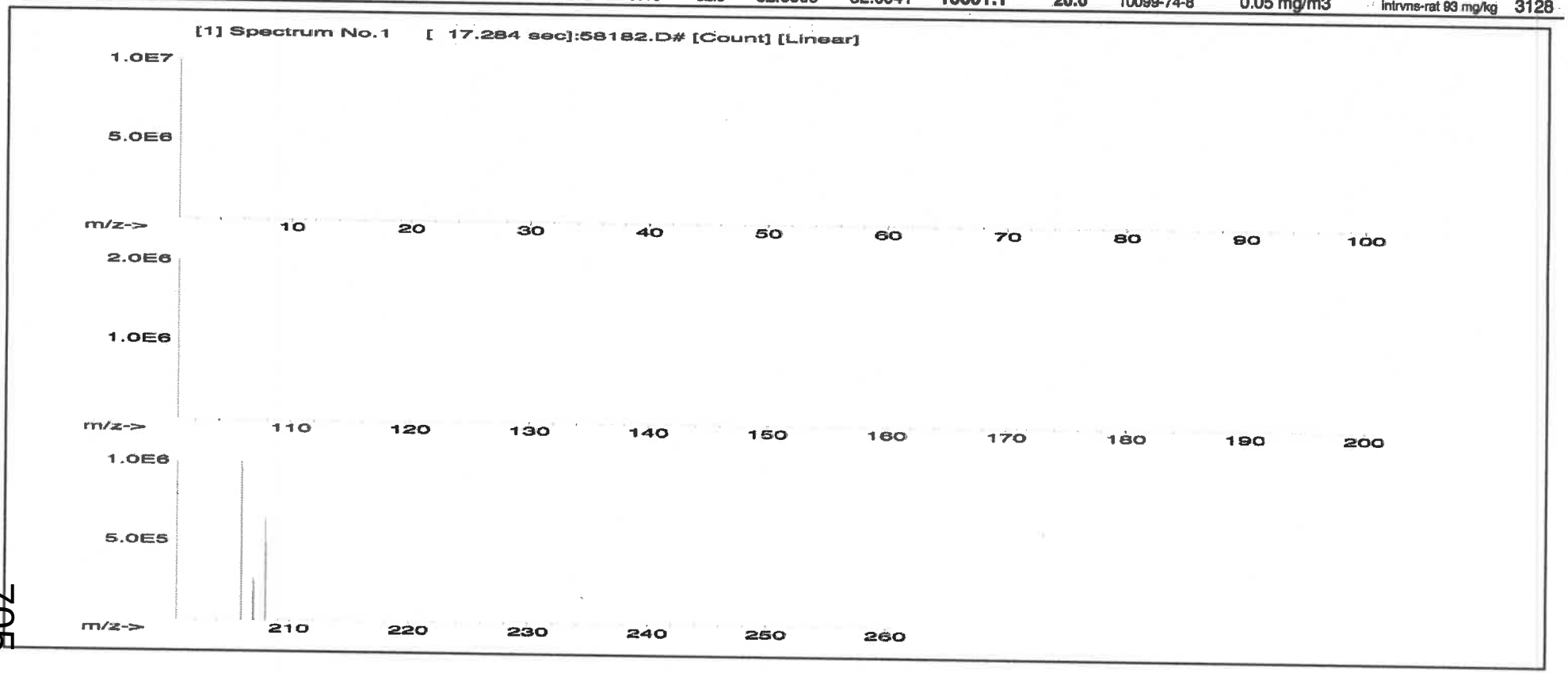
	Lot #		
Solvent:	20510011	Nitric Acid	
2%	40.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

Giovanni Esposito

Formulated By:	Giovanni Esposito	061522
Reviewed By:	Pedro L. Rentas	061522

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Lead(II) nitrate (Pb)	IN029	PBD122016A1	10000	99.999	0.10	62.5	32.0006	32.0041	**10001.1**	**20.0**	10099-74-8	0.05 mg/m3	Intrvns-rat 93 mg/kg	3128



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	T	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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Certified Reference Material CRM

M5514 - M5515 R: 03/17/22

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CERTIFIED WEIGHT REPORT:

Part Number: 58126
Lot Number: 092122
Description: Iron (Fe)

Expiration Date: 092125
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB

Weight shown below was diluted to (mL): 5000.1 ± 0.12 Flask Uncertainty

	Lot #		
Solvent:	20510011	Nitric Acid	
7.0%	350.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty

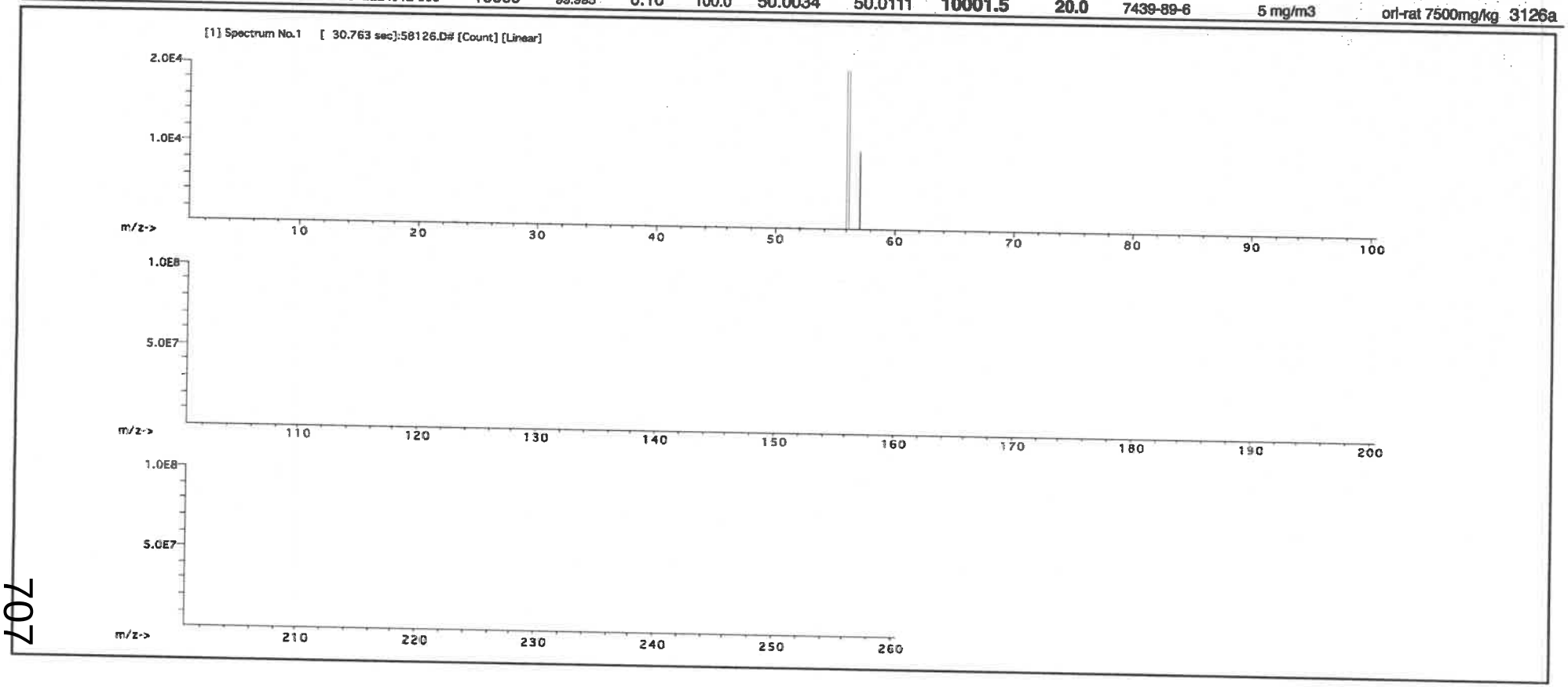
Giovanni Esposito

Formulated By: Giovanni Esposito 092122

Pedro Rentas

Reviewed By: Pedro L. Rentas 092122

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Iron (Fe)	IN346	2224912-500	10000	99.995	0.10	100.0	50.0034	50.0111	**10001.5**	**20.0**	7439-89-6	5 mg/m3	orl-rat 7500mg/kg	3126a



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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	<0.10	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:

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

M5519. M5520 (BH) R:03/17/23

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
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709

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

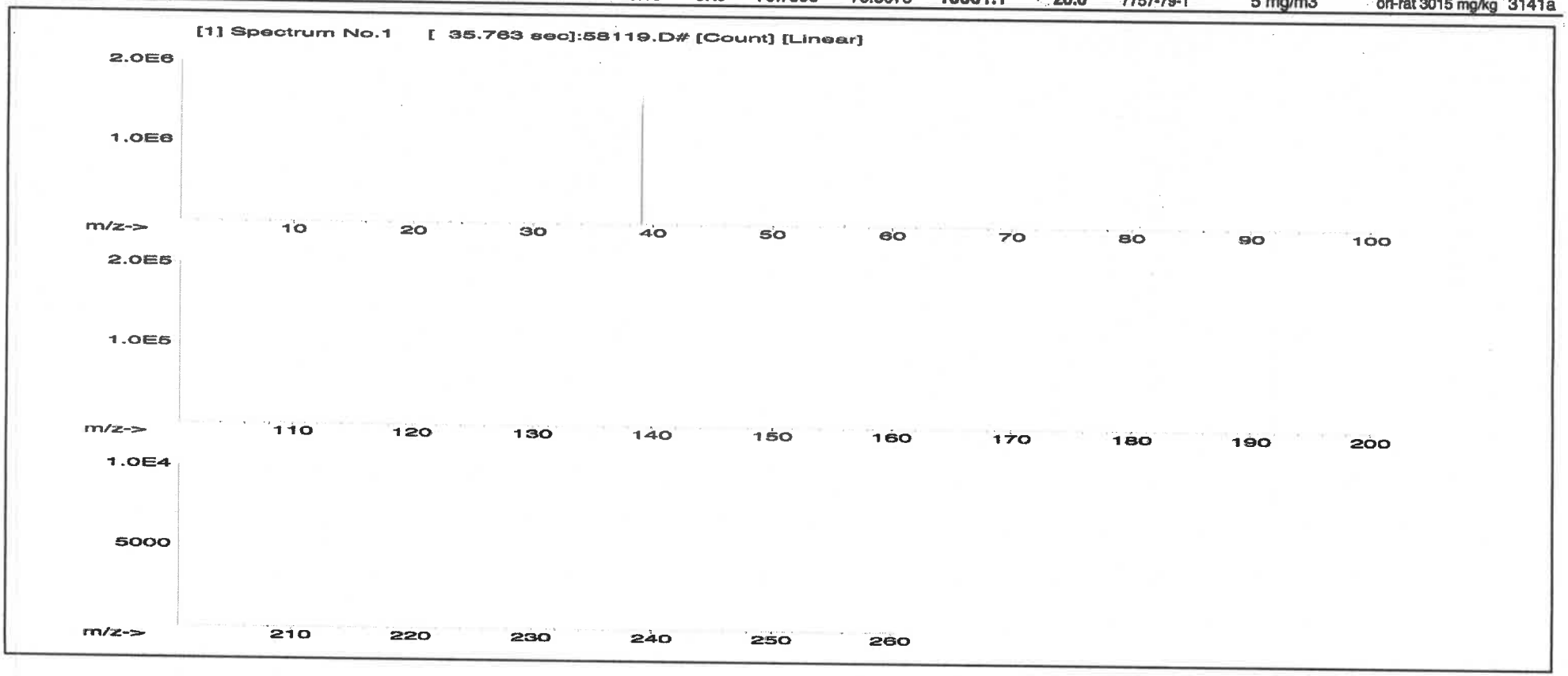
	Lot #		
Solvent:	20510011	Nitric Acid	
2%	60.0 (mL)	Nitric Acid	

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



710

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	T	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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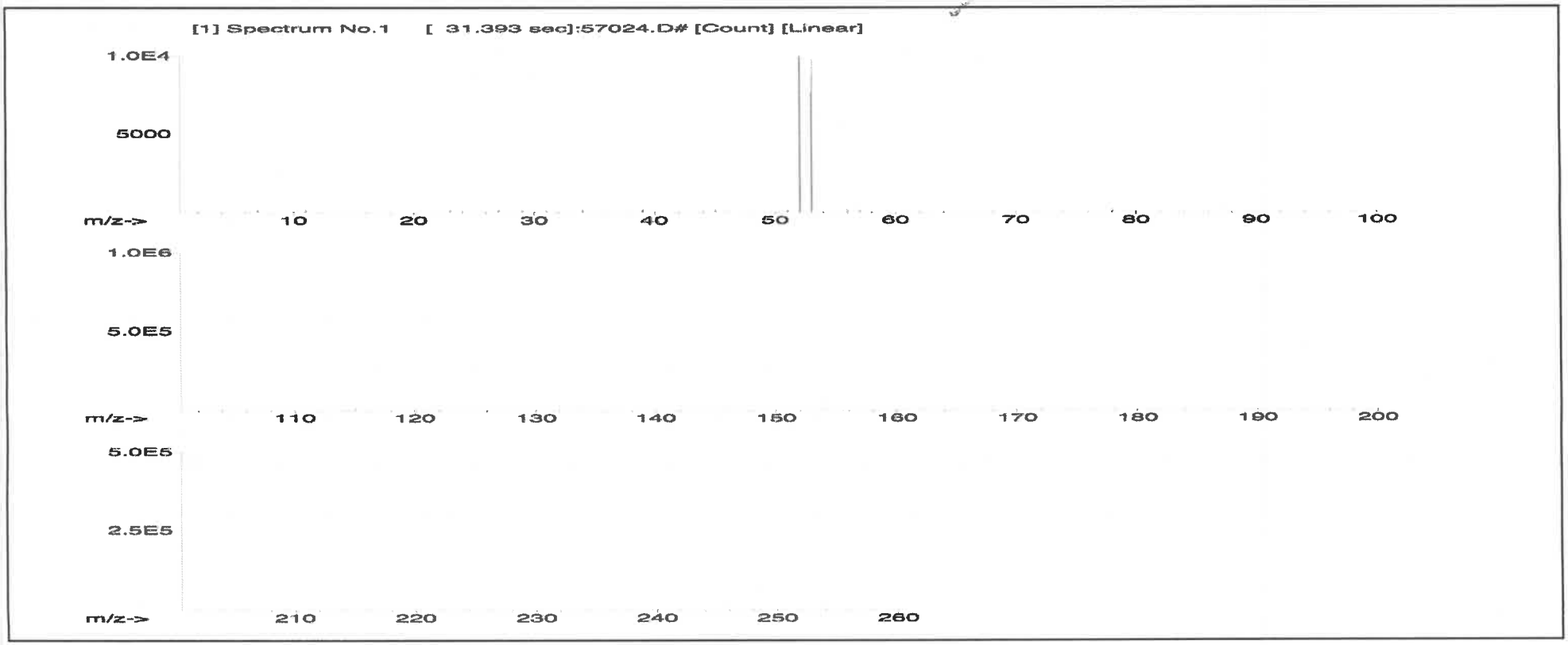
711

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



712

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.
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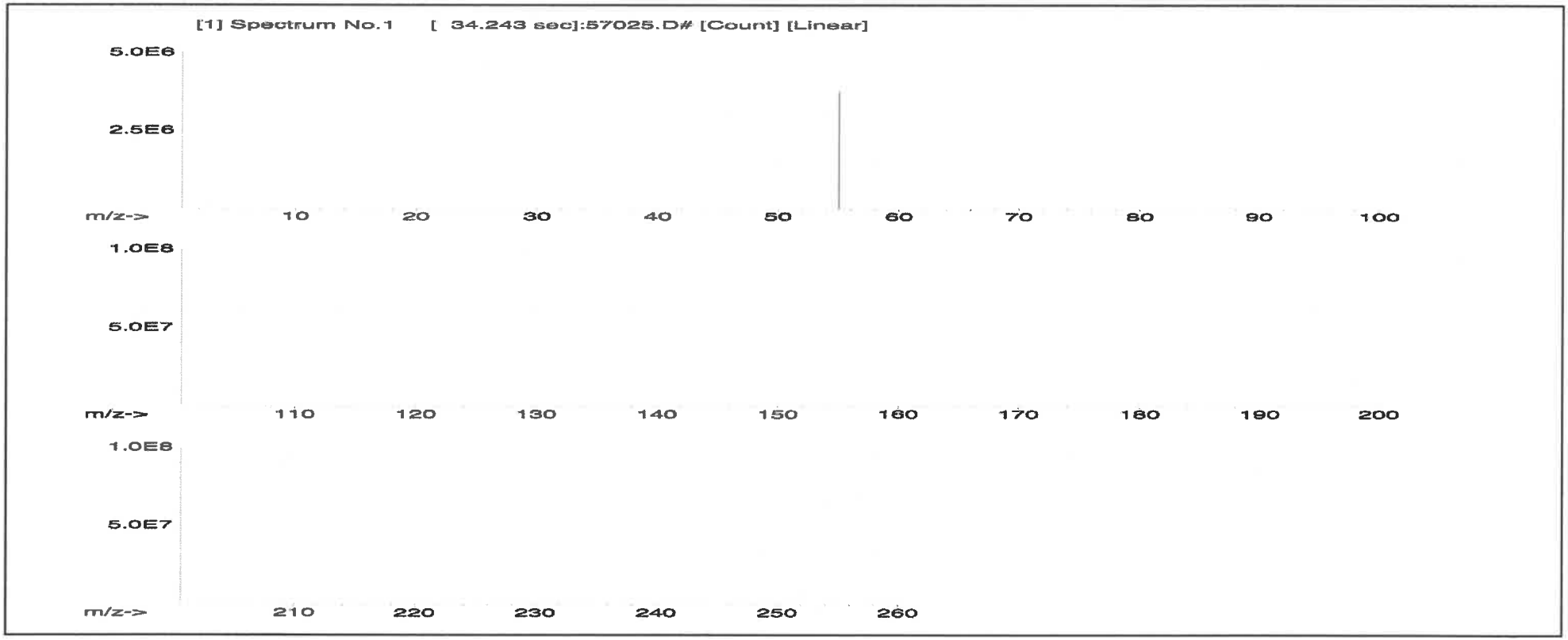
713

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



714

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	T	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the balances that are calibrated with weights traceable to NIST (see above).
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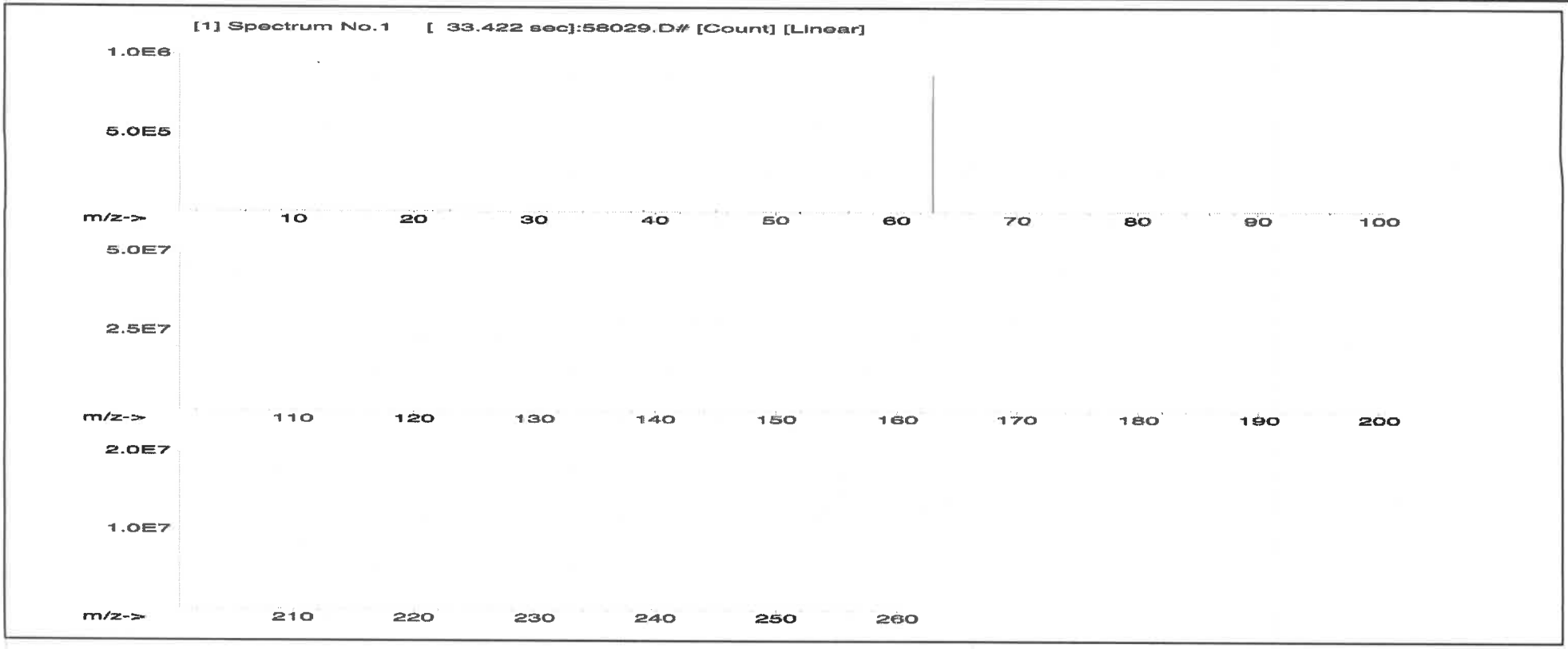
715

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



7196

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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717

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

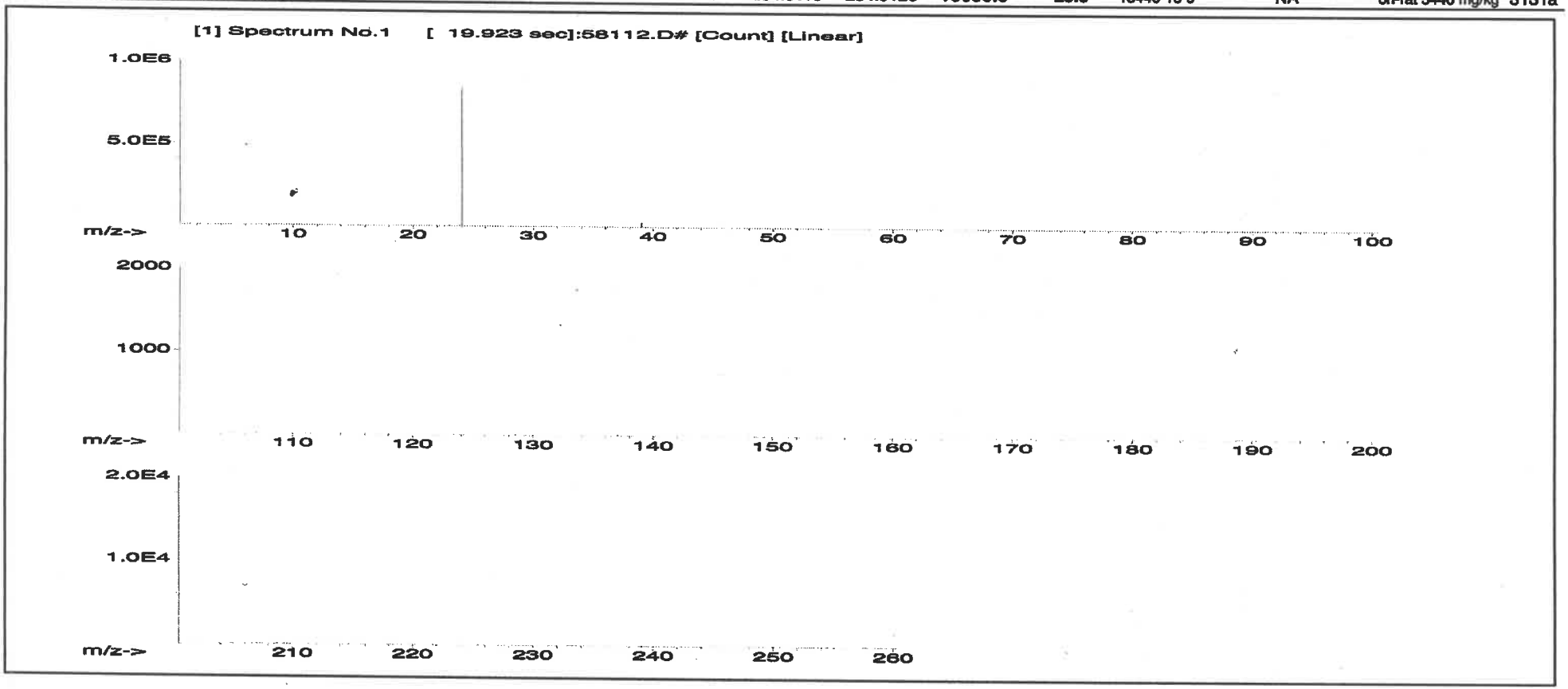
5E-05 Balance Uncertainty

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



718

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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R: 02/09/24 M5798

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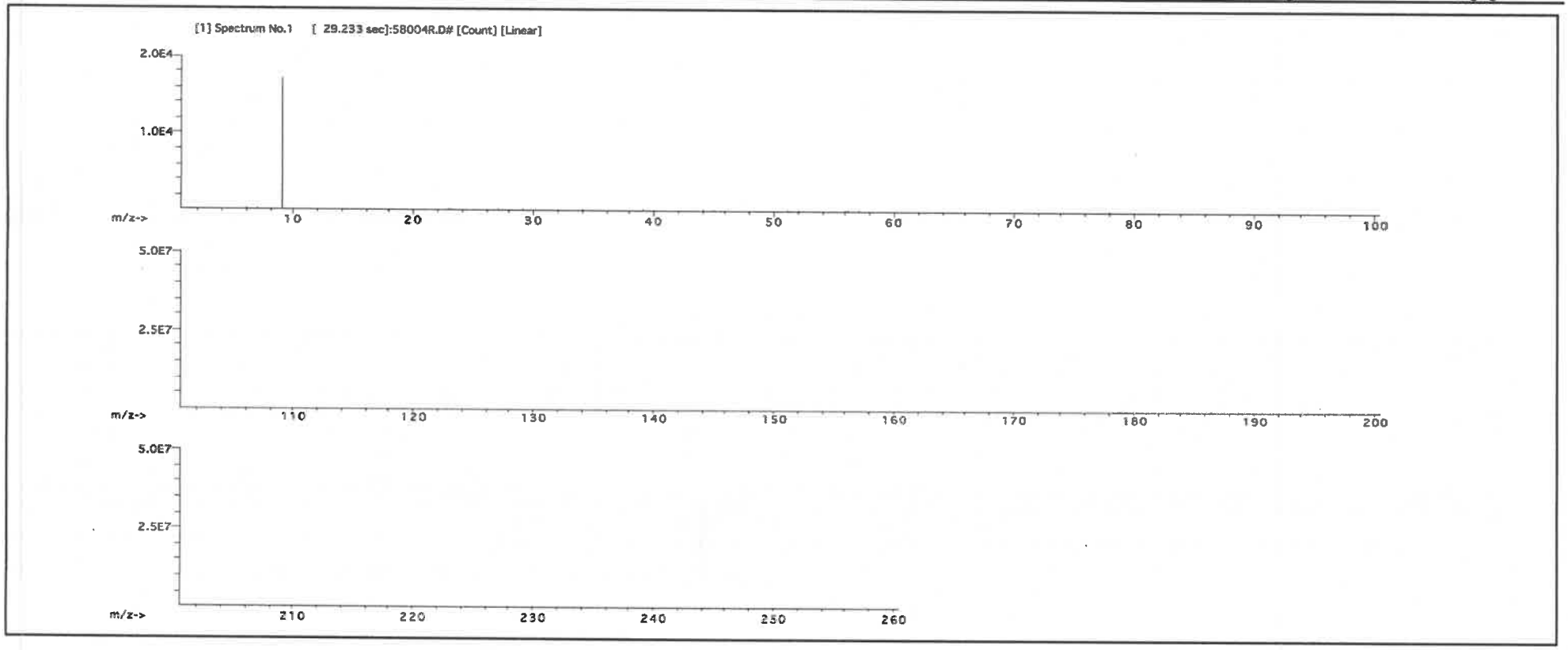
719

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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* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
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* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

720

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721

CERTIFIED WEIGHT REPORT:

Part Number: 57050
Lot Number: 071123
Description: Tin (Sn)

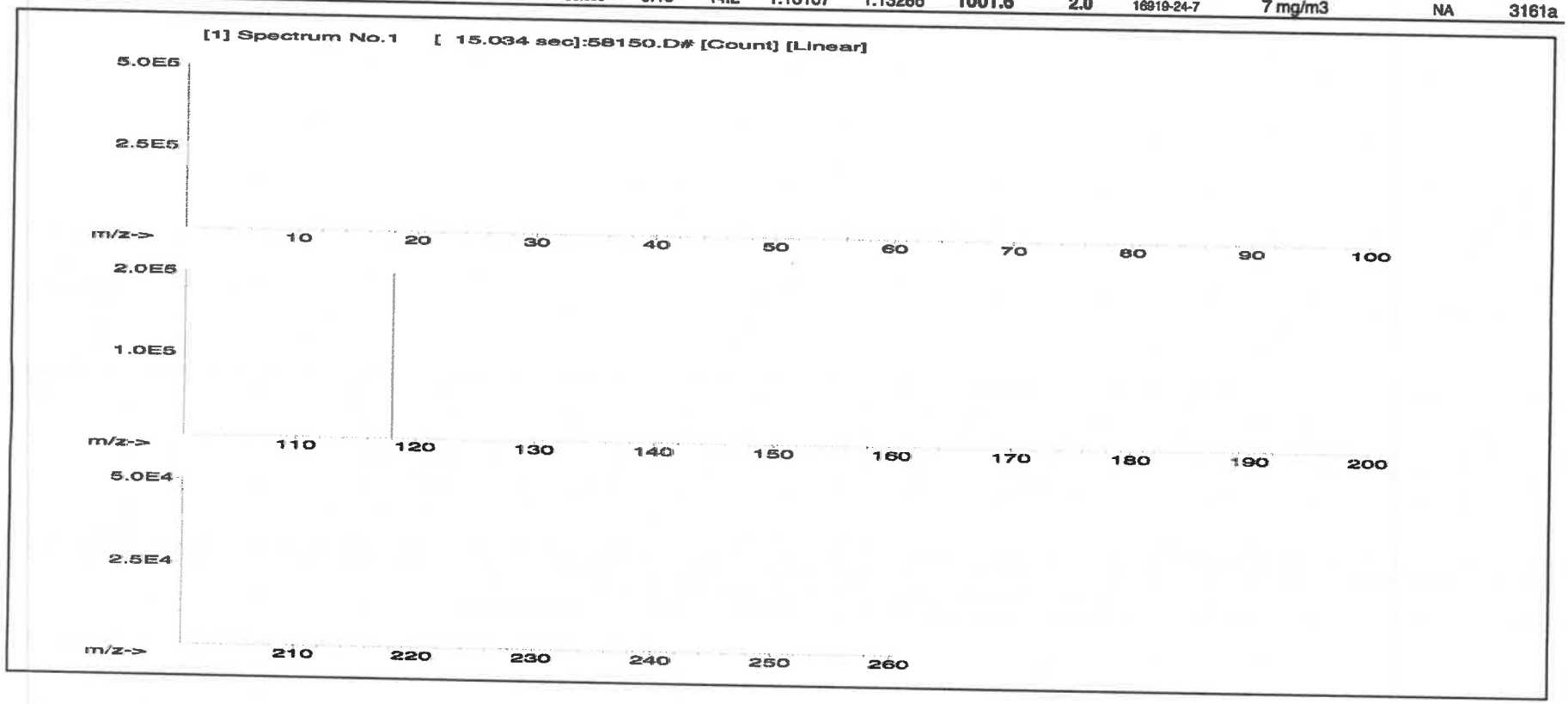
Expiration Date: 071126
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 499.93

	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



722

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<500	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	T	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
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* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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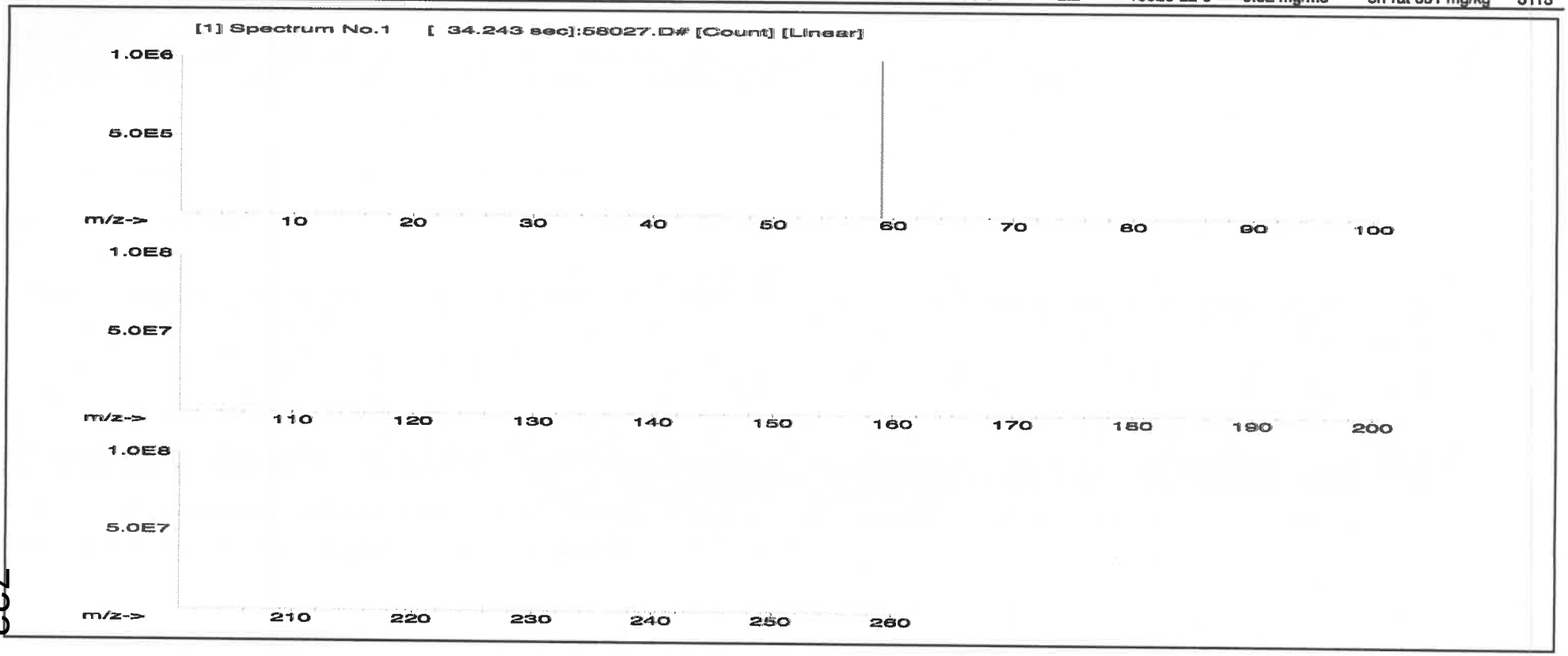
CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:		
Part Number:	**57027**	24002546	Nitric Acid		
Lot Number:	**091923**				
Description:	**Cobalt (Co)**				
		2.0%	40.0 (mL)	Nitric Acid	
Expiration Date:	091926				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Volume shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty		

	Formulated By:	Lawrence Barry	091923
	Reviewed By:	Pedro L. Rentas	091923

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Cobalt(II) nitrate hexahydrate (Co)	58127	050923	0.1000	200.0	0.084	1000	10000.0	**1000.0**	**2.2**	10026-22-9	0.02 mg/m3	orl-rat 691 mg/kg	3113



723

Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	T	Gé	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

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* 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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724

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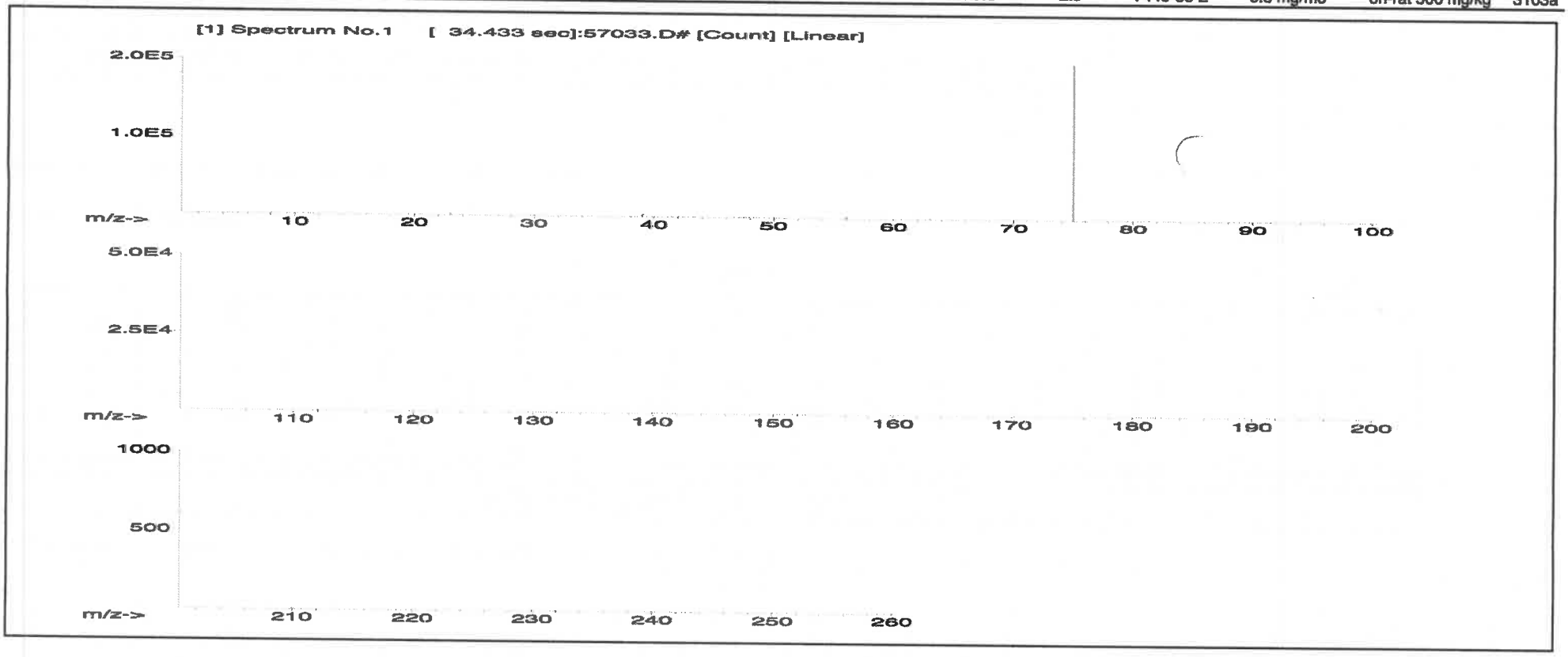
725

CERTIFIED **WEIGHT** REPORT:

		Lot #	Solvent:		
Part Number:	**57033**	24002546	Nitric Acid		
Lot Number:	**111323**				
Description:	**Arsenic (As)**	2.0%	80.0 (mL)	Nitric Acid	
Expiration Date:	111326				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Volume shown below was diluted to (mL):	4000.0	0.06	Flask Uncertainty		

Formulated By:	Lawrence Barry	111323
Reviewed By:	Pedro L. Rentas	111323

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Arsenic (As)	58133	020522	0.1000	400.0	0.084	1000	10001.0	**1000.0**	**2.0**	7440-38-2	0.5 mg/m3	orl-rat 500 mg/kg	3103a



726

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	T	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge*	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

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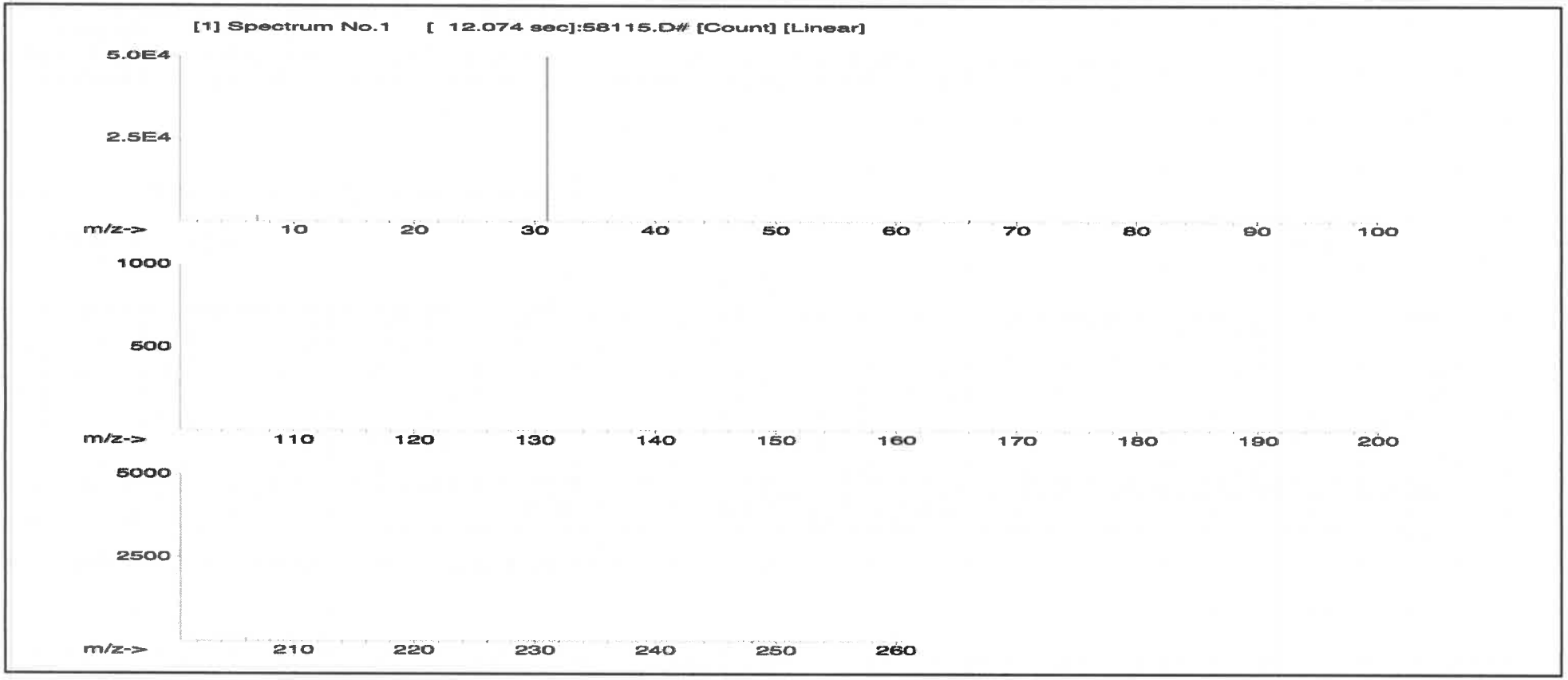
727

CERTIFIED WEIGHT REPORT:

			Lot #	
Part Number:	**57115**	**Solvent:**	21110221	Nitric Acid
Lot Number:	**041723**			
Description:	**Phosphorous (P)**	2%	40.0 (mL)	Nitric Acid
Expiration Date:	041726			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**10000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Weight shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty	

Formulated By:	Lawrence Barry	041723
Reviewed By:	Pedro L. Rentas	041723

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Ammonium dihydrogen phosphate (P)	IN008	PV082019A1	10000	99.999	0.10	27.5	72.7287	72.7289	**10000.0**	**20.0**	7722-76-1	5 mg/m3	orl-rat >2000mg/kg	3186



Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	T	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

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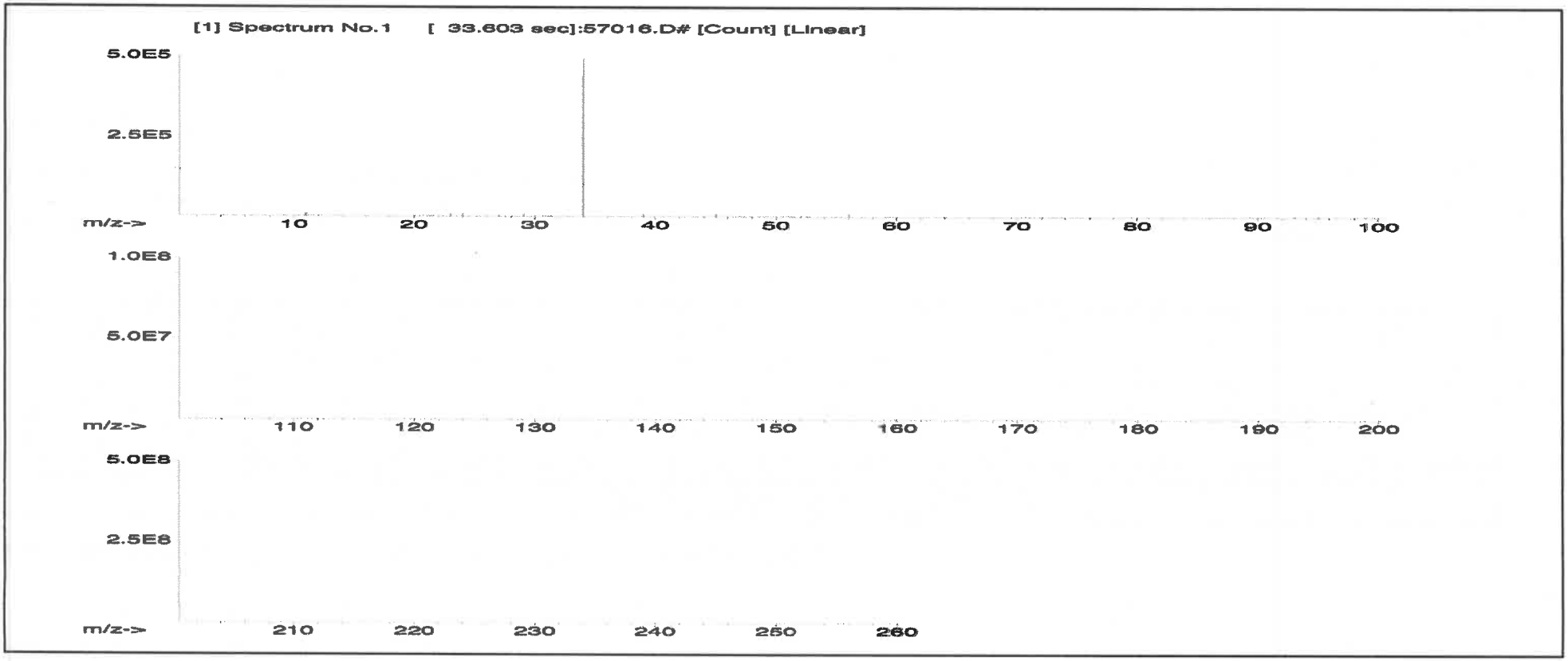
729

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



730

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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731

CERTIFIED WEIGHT REPORT:

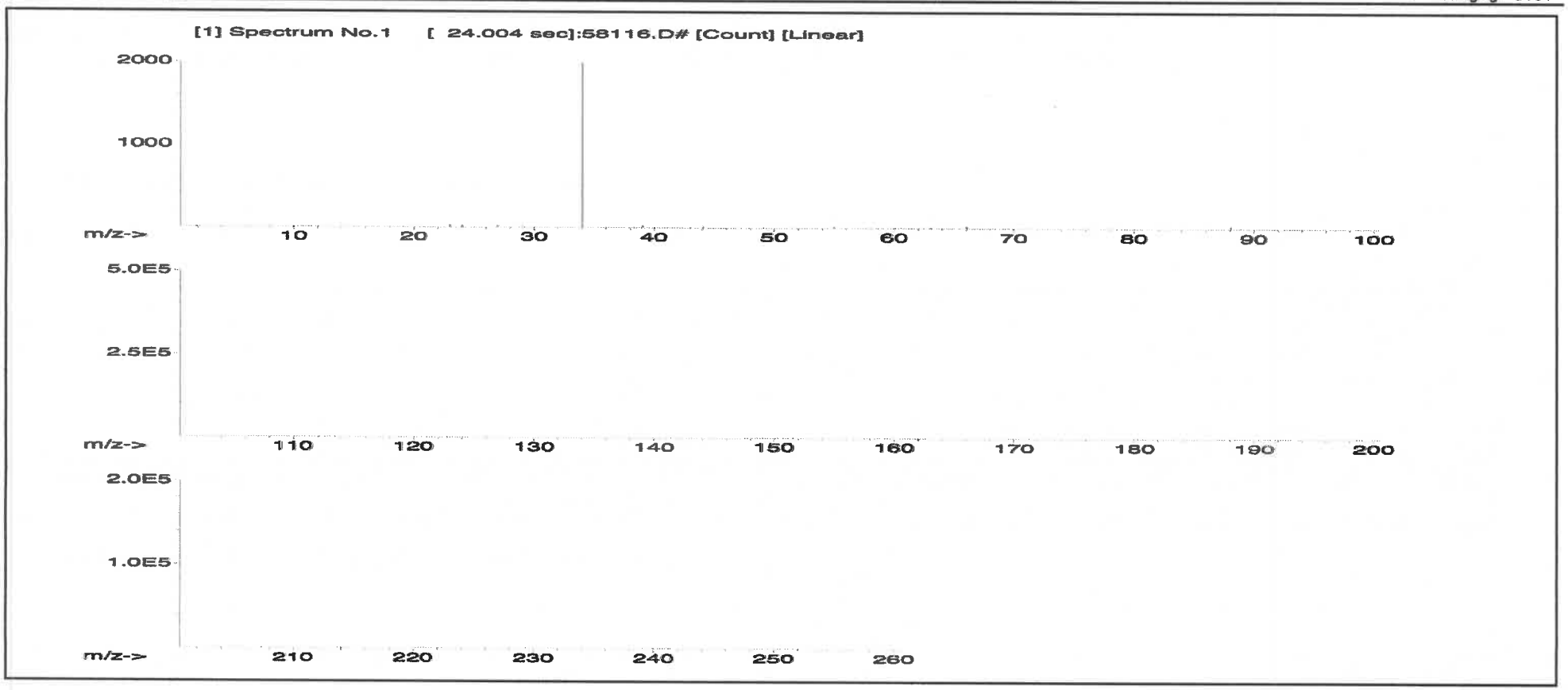
Part Number: 57116
Lot Number: 071123
Description: Sulfur (S)

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



732

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	T	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
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* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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733

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

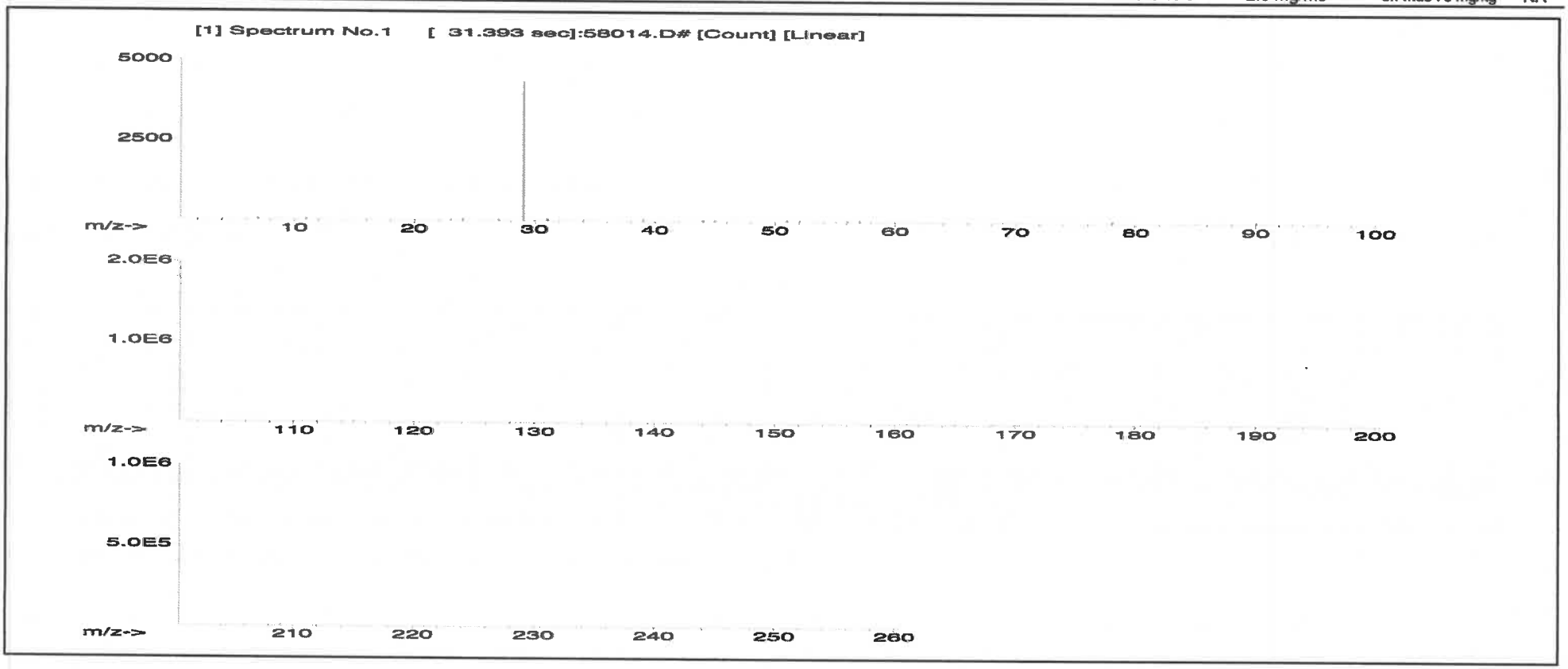
Aleah O'Brady

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



734

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.
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735

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

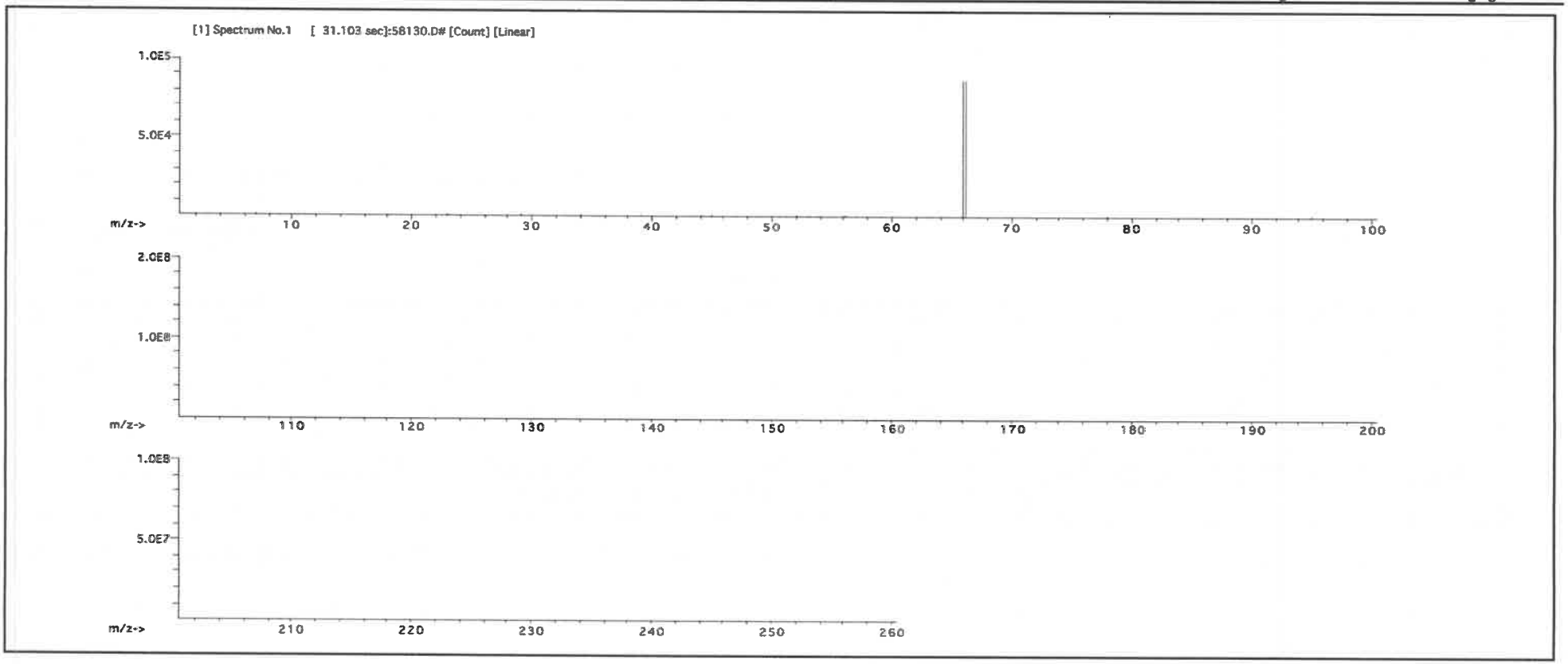
Weight shown below was diluted to (mL): 3000.4 0.06 Flask Uncertainty

	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



736

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	T
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

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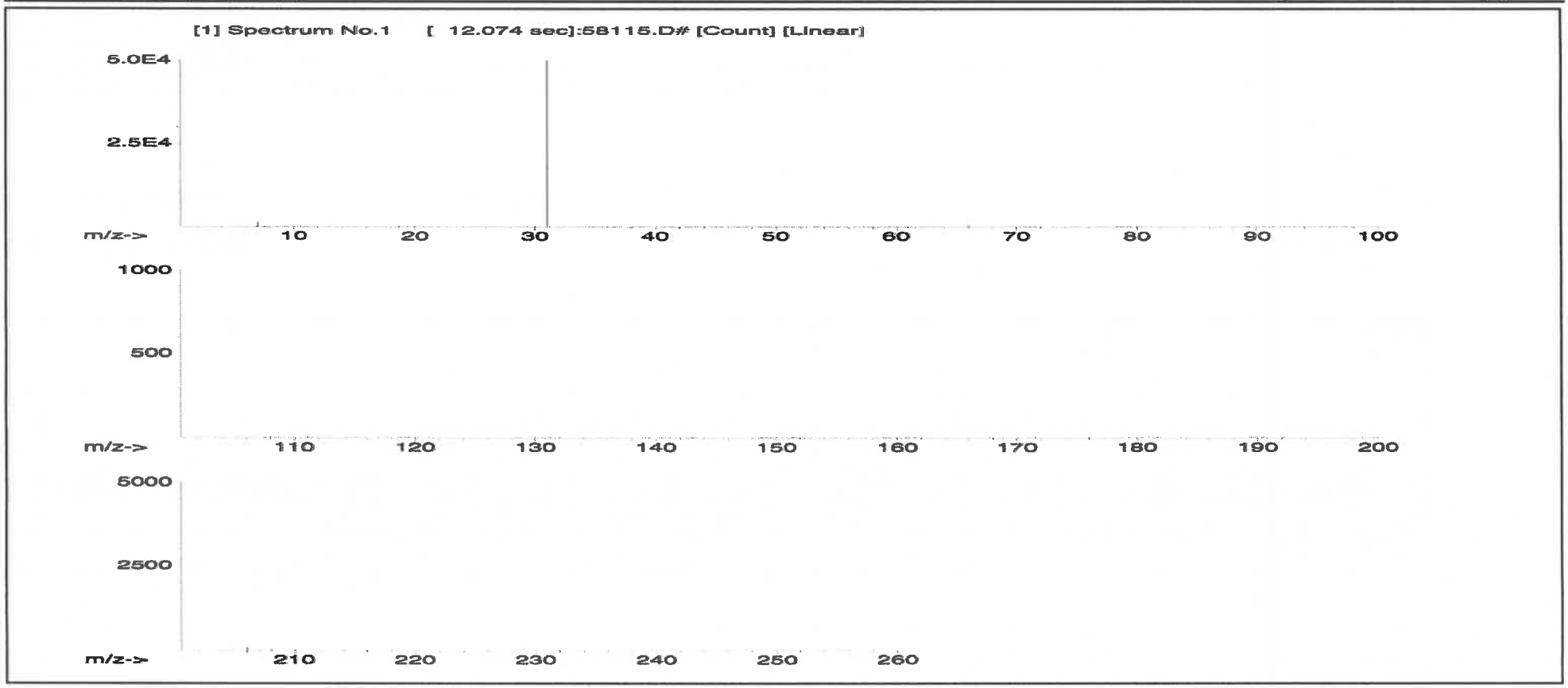
737

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



738

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	T	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

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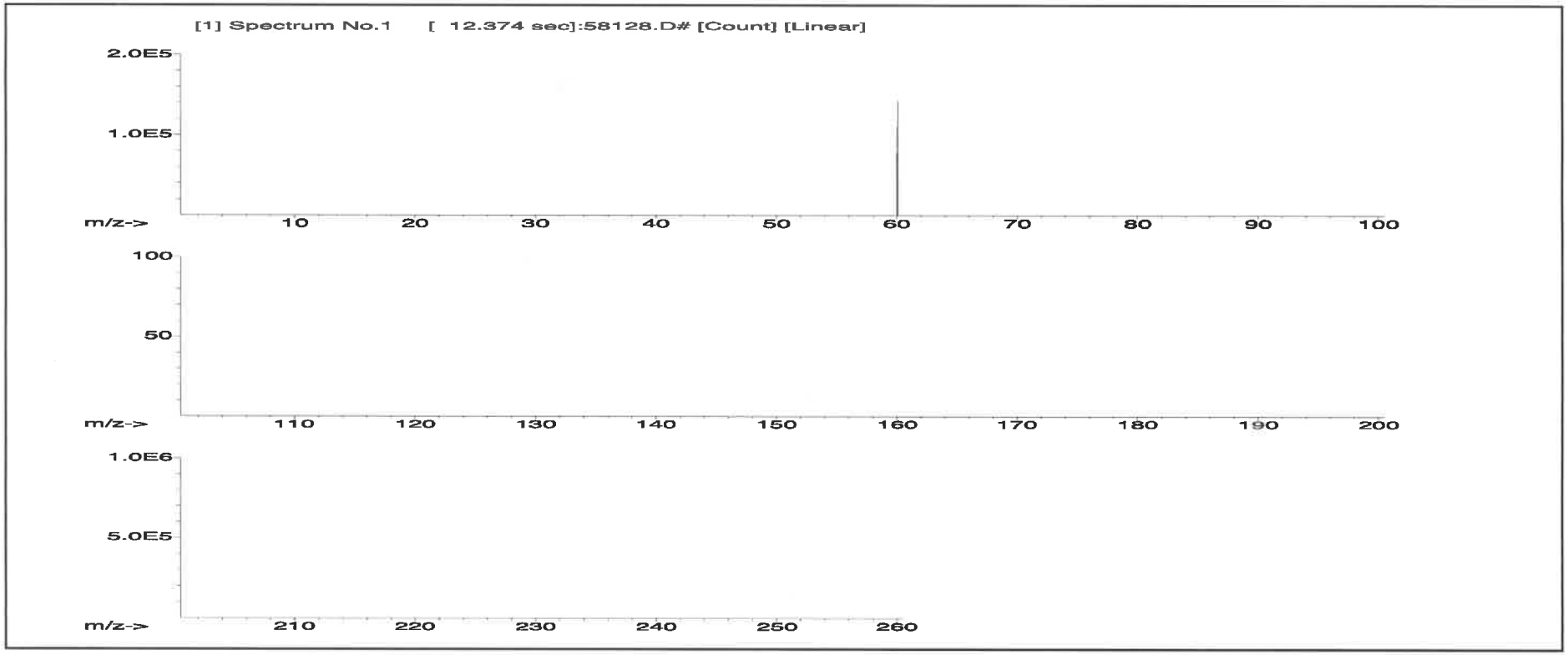
739

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



740

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	T	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

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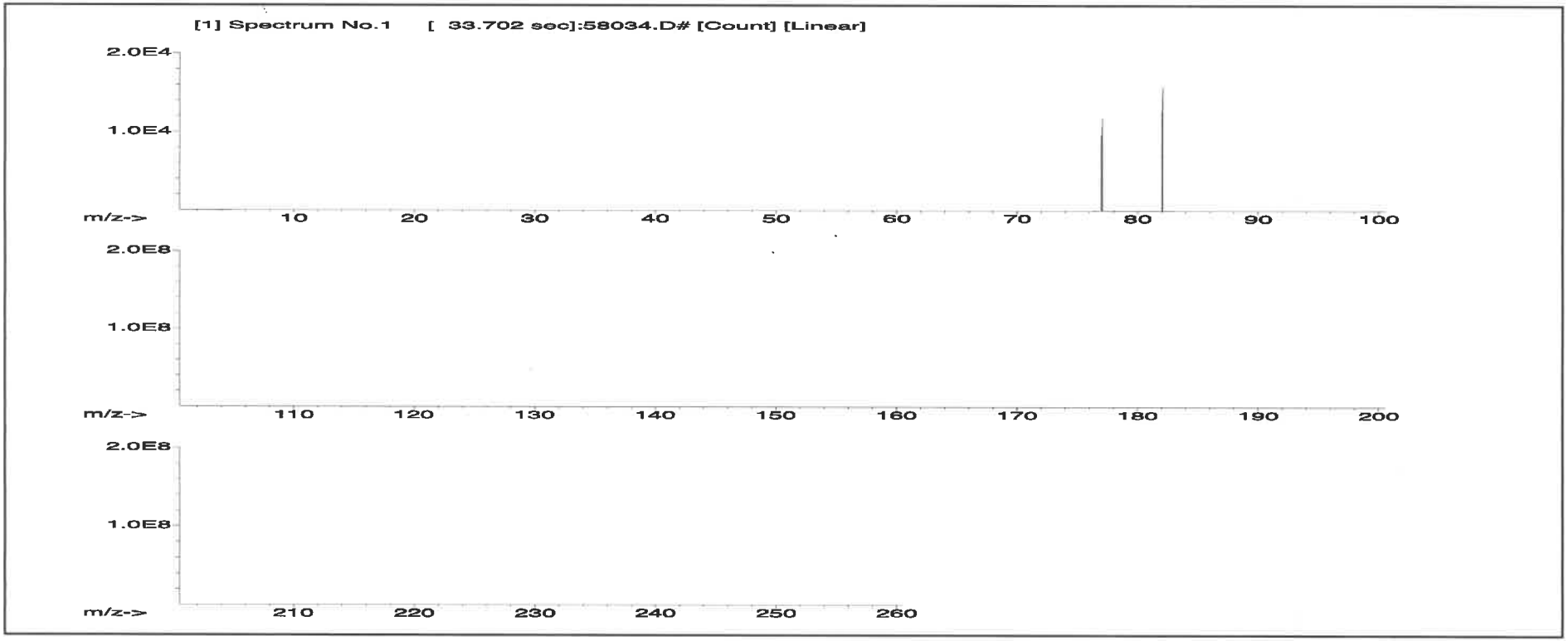
741

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



742

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																		
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	T	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

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1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Single Analyte Custom Grade Solution
Catalog Number:	CGMO1
Lot Number:	T2-MO720876
Matrix:	H2O tr. NH4OH
Value / Analyte(s):	1 000 µg/mL ea: Molybdenum
Starting Material:	Ammonium Molybdate
Starting Material Lot#:	2361
Starting Material Purity:	99.9893%

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 998 ± 7 µg/mL

Density: 1.000 g/mL (measured at 20 ± 4 °C)

Assay Information:

Assay Method #1 **998 ± 4 µg/mL**
ICP Assay NIST SRM 3134 Lot Number: 130418

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance.

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

M	Ag	<	0.000590	M	Eu	<	0.000300	M	Na		0.000879	M	Se	<	0.008000	M	Zn		0.000598
M	Al		0.000563	M	Fe	<	0.006500	M	Nb	<	0.029000	i	Si	<		M	Zr	<	0.001800
M	As	<	0.002100	M	Ga	<	0.000300	i	Nd	<		M	Sm	<	0.000300				
M	Au	<	0.000300	M	Gd	<	0.000300	M	Ni	<	0.008000	M	Sn	<	0.008900				
M	B	<	0.003300	M	Ge	<	0.000300	M	Os	<	0.000590	M	Sr		0.000175				
M	Ba		0.001689	M	Hf	<	0.001800	i	P	<		M	Ta	<	0.004200				
M	Be	<	0.000890	M	Hg	<	0.003300	M	Pb	<	0.000300	M	Tb	<	0.000300				
M	Bi	<	0.000890	M	Ho	<	0.000300	M	Pd	<	0.001800	M	Te	<	0.021000				
O	Ca		0.006334	M	In	<	0.032000	M	Pr	<	0.013000	M	Th	<	0.000300				
O	Cd	<	0.026000	M	Ir	<	0.000300	M	Pt	<	0.000300	O	Tl	<	0.032000				
M	Ce	<	0.008300	M	K		0.130213	M	Rb		0.004575	M	Tl		0.001266				
M	Co		0.000598	M	La	<	0.000300	M	Re	<	0.000300	M	Tm	<	0.000300				
M	Cr		0.000527	O	Li		0.000059	M	Rh	<	0.000300	M	U	<	0.005300				
M	Cs		0.000527	M	Lu	<	0.000300	M	Ru	<	0.079000	M	V	<	0.000890				
M	Cu		0.002252	M	Mg		0.000563	i	S	<		M	W		0.087982				
M	Dy	<	0.000300	M	Mn	<	0.005900	M	Sb		0.001513	M	Y	<	0.000300				
M	Er	<	0.000300	s	Mo	<		M	Sc	<	0.001200	M	Yb	<	0.000300				

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference
n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 95.94 +6 6,7,8,9 [MoO4]-2(chemical form as received)

Chemical Compatibility -Mo is received in a NH4OH matrix giving the operator the option of using HCl or HF to stabilize acidic solutions. The [MoO4]-2 is soluble in concentrated HCl [MoOCl5]-2, dilute HF / HNO3 [MoOF5]-2 and basic media [MoO4]-2. Stable at ppm levels with some metals provided it is fluorinated. Do not mix with Alkaline or Rare Earths when HF is present. Stable with most inorganic anions provided it is in the [MoO4]-2 chemical form.

Stability - 2-100 ppb levels stable (alone or mixed with all other metals that are at comparable levels) as the [MoOF5]-2 for months in 1% HNO3 / LDPE container. 1-10,000 ppm single element solutions as the [MoO4]-2 chemically stable for years in 1% NH4OH in a LDPE container.

Mo Containing Samples (Preparation and Solution) -Metal (Soluble in HF / HNO3 or hot dilute HCl); Oxide (soluble in HF or NH4OH) ; Organic Matrices (Dry ash at 450EC in Pt0 and dissolve oxide with HF or HCl).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	**Estimated D.L.**	**Order**	**Interferences** (underlined indicates severe)
ICP-MS 95 amu	3 ppt	n/a	40Ar39K16O,79Br1 6O,190Os2+,190Pt 2+
ICP-OES 202.030 nm	0.008 / 0.0002 µg/mL	1	Os, Hf
ICP-OES 203.844 nm	0.012 / 0.002 µg/mL	1	
ICP-OES 204.598 nm	0.012 / 0.001 µg/mL	1	Ir, Ta

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

July 17, 2022

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- July 17, 2027

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:

Uyen Truong
Supervisor, Product Documentation

Certificate Approved By:

Michael Booth
Director, Technical

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

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M5978, M5979

INORGANIC VENTURES™
Refine your results. Redefine your industry.

Certificate of Analysis

300 Technology Drive
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inorganicventures.com

R: 2/22/24

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Single Analyte Custom Grade Solution
Catalog Number:	CGTI1
Lot Number:	T2-TI719972
Matrix:	2% (v/v) HNO3 tr. HF
Value / Analyte(s):	1 000 µg/mL ea: Titanium
Starting Material:	Ti Metal
Starting Material Lot#:	2094
Starting Material Purity:	99.9975%

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 1002 ± 5 µg/mL

Density: 1.012 g/mL (measured at 20 ± 4 °C)

Assay Information:

Assay Method #1 **1002 ± 4 µg/mL**
ICP Assay NIST SRM 3162a Lot Number: 130925

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$
w_i = the weighting factors for each method calculated using the inverse square of the variance

$w_i = (1/u_{char\ i}^2) / (\Sigma(1/u_{char\ i}^2))$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\ (u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = (\Sigma(w_i)^2\ (u_{char\ i})^2)^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty
u_{lts} = long term stability standard uncertainty (storage)
u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\ (u_{char\ a})$

X_a = mean of Assay Method A with
$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\ (u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization
u_{bb} = bottle to bottle homogeneity standard uncertainty
u_{lts} = long term stability standard uncertainty (storage)
u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

M	Ag	<	0.000536	M	Eu	<	0.000268	O	Na	<	0.032670	M	Se		0.001204	O	Zn	<	0.003267
O	Al		0.000872	O	Fe		0.003225	O	Nb	<	0.043560	O	Si		0.004735	O	Zr	<	0.043560
M	As	<	0.008586	M	Ga	<	0.000268	M	Nd	<	0.000268	M	Sm	<	0.000268				
M	Au	<	0.004577	M	Gd	<	0.000268	O	Ni	<	0.010890	M	Sn		0.000096				
O	B	<	0.008929	M	Ge	<	0.002146	M	Os	<	0.000269	O	Sr		0.000096				
M	Ba	<	0.002683	M	Hf		0.002161	O	P	<	0.054450	M	Ta		0.010560				
M	Be	<	0.005366	M	Hg	<	0.003231	M	Pb	<	0.001073	M	Tb	<	0.000268				
M	Bi	<	0.001609	M	Ho	<	0.000268	M	Pd	<	0.000268	M	Te	<	0.001341				
O	Ca		0.000676	M	In	<	0.002683	M	Pr	<	0.000268	M	Th	<	0.053663				
M	Cd	<	0.000268	M	Ir	<	0.000269	M	Pt	<	0.000536	s	Ti	<					
M	Ce	<	0.000268	M	K		0.001172	M	Rb	<	0.000268	M	Tl	<	0.000268				
M	Co	<	0.004293	M	La	<	0.000268	M	Re	<	0.000268	M	Tm	<	0.000268				
M	Cr		0.000752	O	Li	<	0.027225	M	Rh	<	0.000268	M	U	<	0.000268				
M	Cs	<	0.000268	M	Lu	<	0.000268	M	Ru	<	0.000269	M	V	<	0.019855				
O	Cu	<	0.010890	O	Mg	<	0.005445	i	S	<		M	W		0.000473				
M	Dy	<	0.000268	O	Mn	<	0.003267	M	Sb	<	0.006976	M	Y	<	0.002146				
M	Er	<	0.000268	M	Mo		0.000774	O	Sc	<	0.004900	M	Yb	<	0.000536				

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference
n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 47.87 +4 6 Ti(F)6-2

Chemical Compatibility - Soluble in concentrated HCl, HF, H3PO4 H2SO4 and HNO3. Avoid neutral to basic media. Unstable at ppm levels with metals that would pull F- away (i.e. Do not mix with Alkaline or Rare Earths or high levels of transition elements unless they are fluorinated). Stable with most inorganic anions with a tendency to hydrolyze forming the hydrated oxide in all dilute acids except HF.

Stability - 2-100 ppb levels stable (Alone or mixed with all other metals) as the Ti(F)6-2 for months in 1% HNO3 / LDPE container. 1-10,000 ppm single element solutions as the Ti(F)6-2 chemically stable for years in 2-5% HNO3 / trace HF in an LDPE container.

Ti Containing Samples (Preparation and Solution) - Metal (Soluble in H2O / HF caution -powder reacts violently); Oxide - low temperature history anatase or rutile (Dissolved by heating in 1:1:1 H2O / HF / H2SO4); Oxide - high temperature history (~800EC) brookite (fuse in Pt0 with K2S2O7); Ores (fuse in Pt0 with KF + K2S2O7 - no KF if silica not present); Organic Matrices (Dry ash at 450EC in Pt0 and dissolve by heating with 1:1:1 H2O / HF / H2SO4 or fuse ash with pyrosulfate if oxide is as plastic pigment and likely in brookite crystalline form).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	Estimated D.L.	Order	Interferences (underlined indicates severe)
ICP-MS 48 amu	14 ppt	N/A	32S16O, 32S14N, 14N16O18O, 14N17N2, 36Ar12C, 48Ca, [96X=2 (where X = Zr, Mo, Ru)]
ICP-OES 323.452 nm	0.0054 / 0.00092 µg/mL	1	Ce, Ar, Ni
ICP-OES 334.941 nm	0.0038 / 0.000028 µg/mL	1	Nb, Ta, Cr, U
ICP-OES 336.121 nm	0.0053 / 0.000034 µg/mL	1	W, Mo, Co

HF Note: This standard should not be prepared or stored in glass.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

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10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

June 17, 2022

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- June 17, 2027

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

H5981 R:6/11/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:	
Part Number:	**57092**	24002546	Nitric Acid	
Lot Number:	**060724**			
Description:	**Uranium (U)**			
		2.0%	40.0 (mL)	Nitric Acid
Expiration Date:	060727			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Volume shown below was diluted to (mL):	2000.07	0.100	Flask Uncertainty	

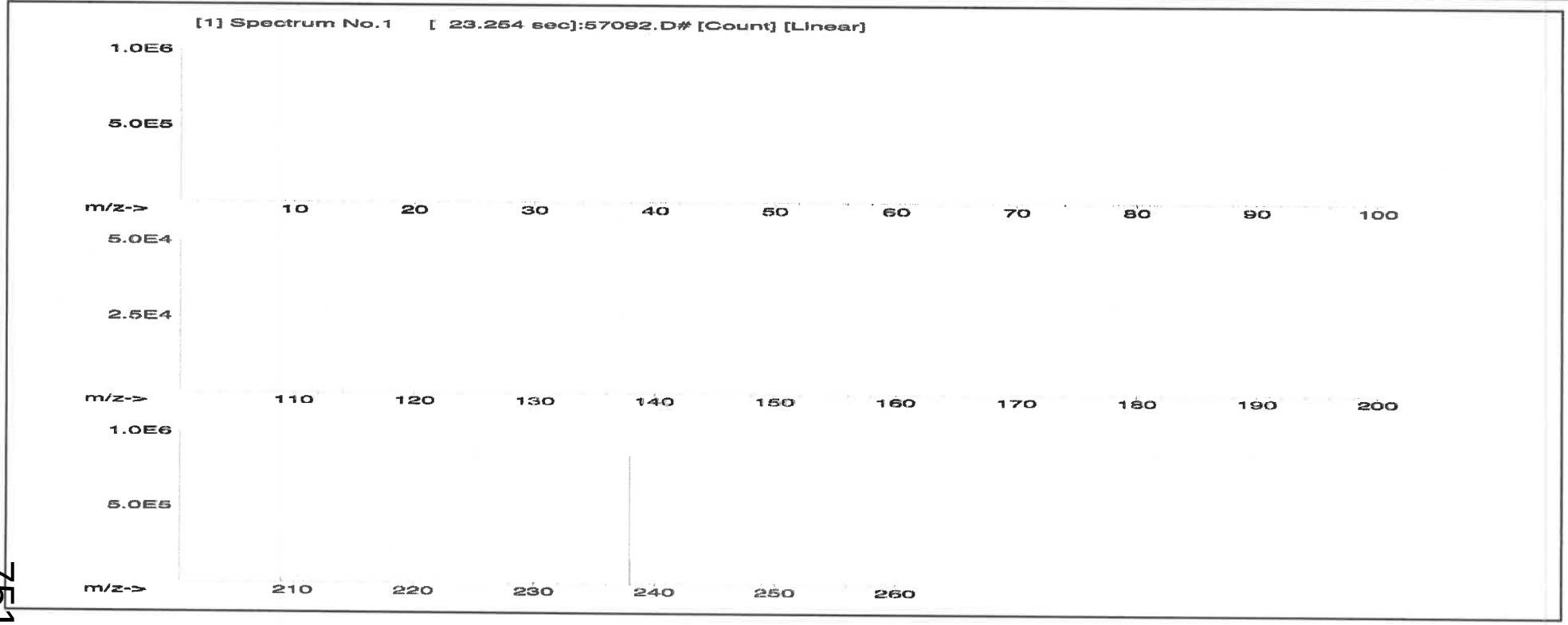
Giovanni Esposito

Formulated By:	Giovanni Esposito	060724

Pedro Rentas

Reviewed By:	Pedro L. Rentas	060724

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Uranyl nitrate hexahydrate (U)	58192	041524	0.1000	200.0	0.084	1000	10001.5	**1000.0**	**2.2**	13520-83-7	0.05 mg/m3	orl-rat 1040 mg/kg	3164



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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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Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

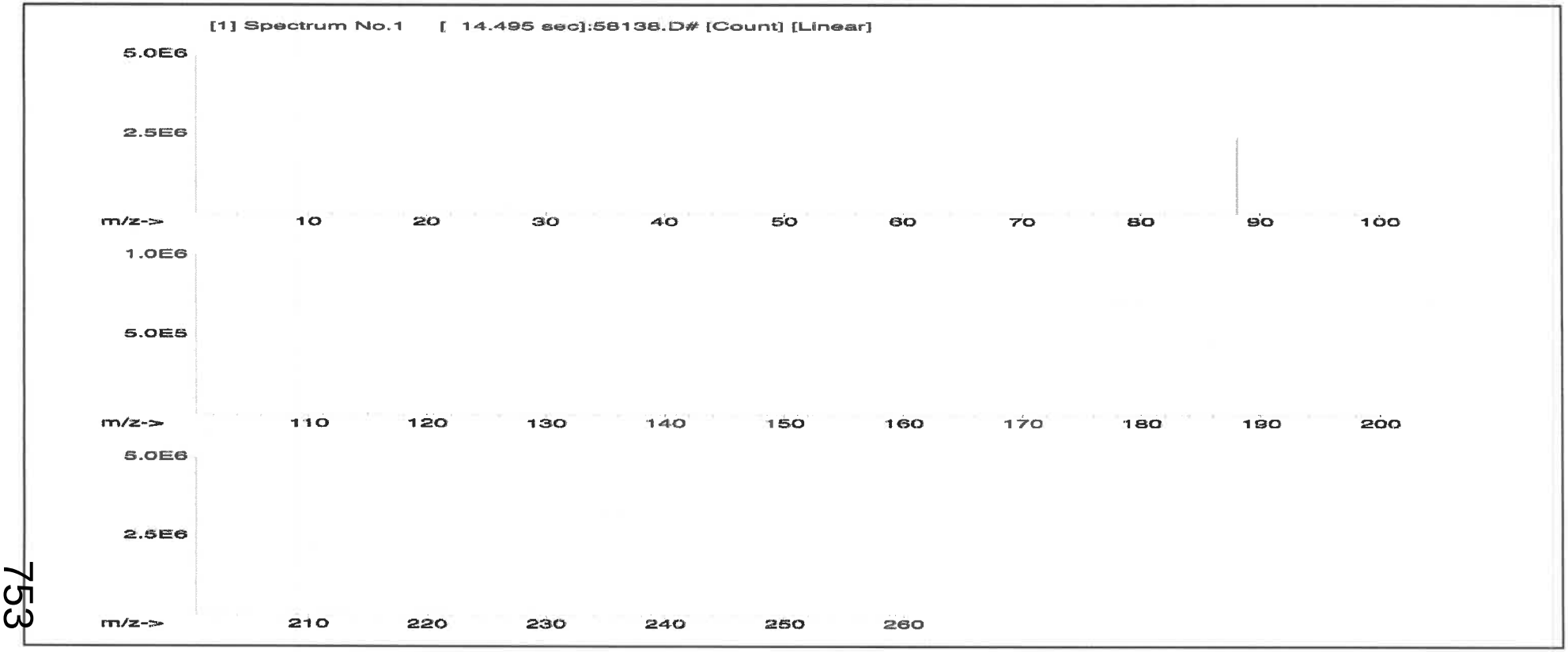
45982 R: 6/11/24

CERTIFIED WEIGHT REPORT:

Part Number:	**57038**			**Lot #**	
Lot Number:	**031524**	**Solvent:**	24002546	Nitric Acid	
Description:	**Strontium (Sr)**				
		2%	40.0 (mL)	Nitric Acid	
Expiration Date:	031527				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.07	0.100	Flask Uncertainty		

Formulated By:	Benson Chan 031524
Reviewed By:	Pedro L. Rentas 031524

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Strontium nitrate (Sr)	IN017	SRZ022018A1	1000	99.997	0.10	41.2	4.85470	4.85502	**1000.1**	**2.0**	10042-76-9	NA	orl-rat >2000mg/kg	3153a



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	T	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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Certified Reference Material CRM

M5983 R: 6/11/24

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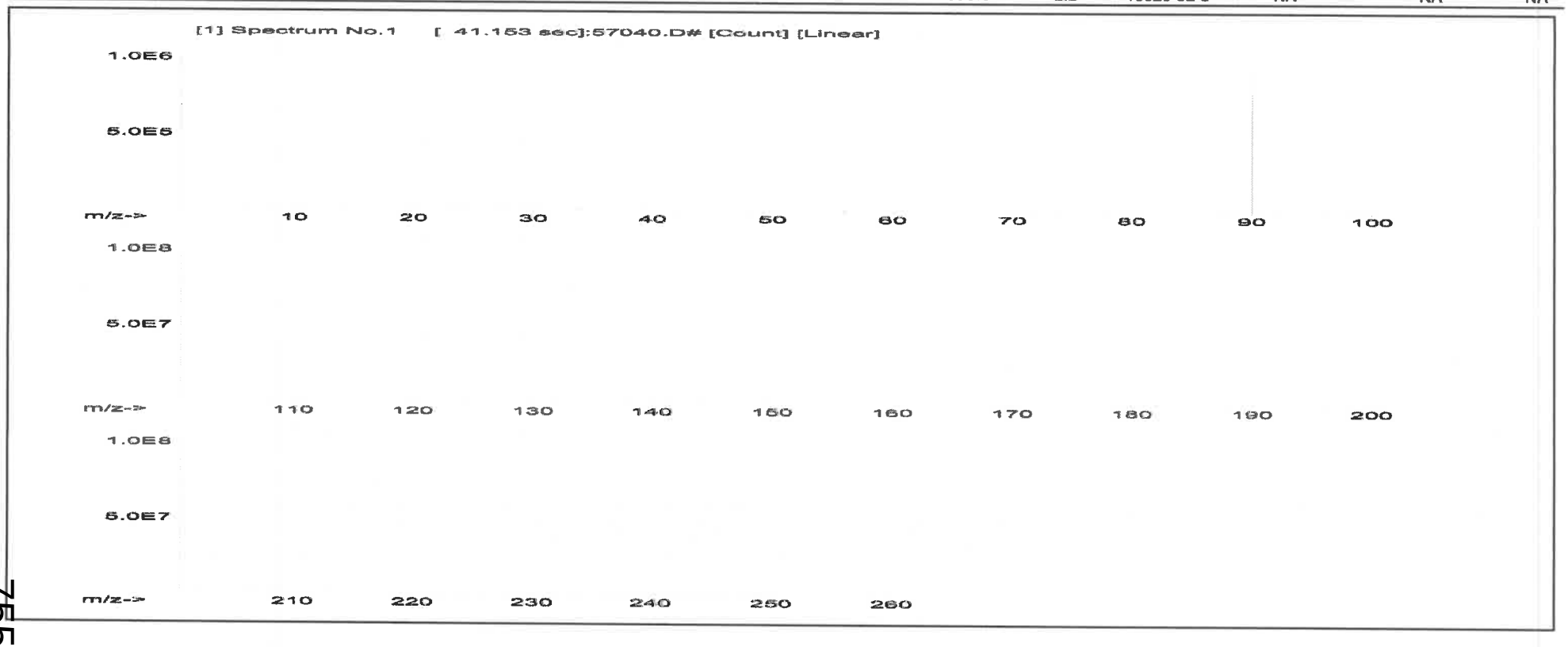
https://Absolutestandards.com

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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M5999

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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-1
Lot Number:	T2-MEB721963
Matrix:	7% (v/v) HNO3
Value / Analyte(s):	2 000 µg/mL ea: Aluminum, Barium, 1 000 µg/mL ea: Iron, 500 µg/mL ea: Manganese, Nickel, Vanadium, Zinc, Cobalt, 250 µg/mL ea: Copper, 200 µg/mL ea: Chromium, 50 µg/mL ea: Beryllium, Silver

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Aluminum, Al	2 000 ± 7 µg/mL	Barium, Ba	2 000 ± 9 µg/mL
Beryllium, Be	50.00 ± 0.26 µg/mL	Chromium, Cr	200.0 ± 1.1 µg/mL
Cobalt, Co	500.0 ± 2.4 µg/mL	Copper, Cu	250.0 ± 1.0 µg/mL
Iron, Fe	1 000 ± 4 µg/mL	Manganese, Mn	500.0 ± 2.0 µg/mL
Nickel, Ni	500.0 ± 2.2 µg/mL	Silver, Ag	50.00 ± 0.22 µg/mL
Vanadium, V	500.0 ± 2.2 µg/mL	Zinc, Zn	500.0 ± 2.2 µg/mL

Density: 1.070 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	160729
Ag	Volhard	999c	999c
Ag	Calculated		See Sec. 4.2
Al	ICP Assay	3101a	140903
Al	EDTA	928	928
Ba	ICP Assay	3104a	140909
Ba	Gravimetric		See Sec. 4.2
Be	ICP Assay	3105a	090514
Be	Calculated		See Sec. 4.2
Co	ICP Assay	3113	190630
Co	EDTA	928	928
Cr	ICP Assay	3112a	170630
Cu	ICP Assay	3114	121207
Cu	EDTA	928	928
Fe	ICP Assay	3126a	140812
Fe	EDTA	928	928
Mn	ICP Assay	3132	050429
Mn	EDTA	928	928
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
V	IC Assay	3165	160906
V	EDTA	928	928
Zn	ICP Assay	3168a	120629
Zn	EDTA	928	928

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)\,(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Note: This solution contains Silver (Ag), please refer to our Sample Preparation Guide for more information.

https://www.inorganicventures.com/sample-preparation-guide/samples-containing-silver

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

July 27, 2022

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- July 27, 2027

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

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
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CERTIFIED WEIGHT REPORT:

Part Number:	**58113**		**Lot #**		
Lot Number:	**011623**	**Solvent:**	20510011	Nitric Acid	
Description:	**Aluminum (Al)**				
		2%	40.0 (mL)	Nitric Acid	
Expiration Date:	011626				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**10000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty		

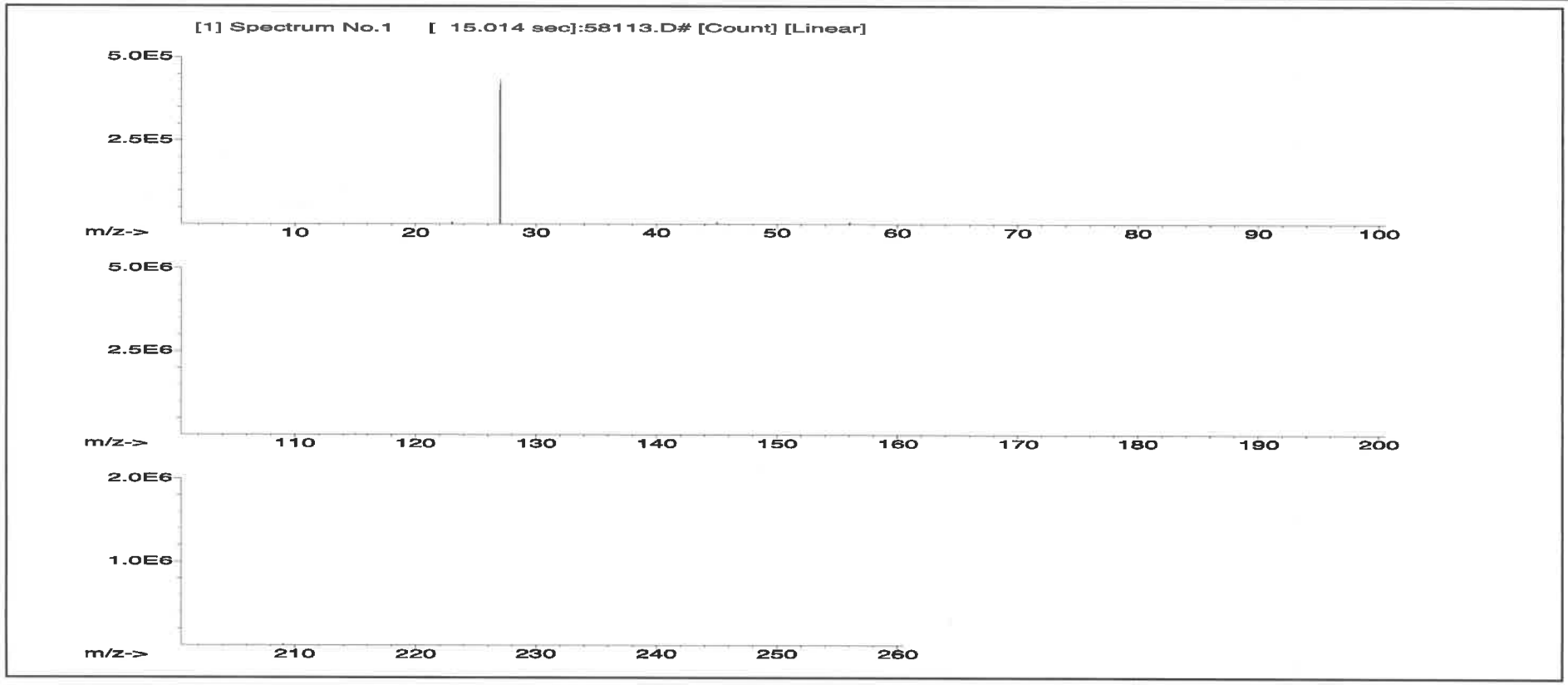
Giovanni Esposito

Formulated By:	Giovanni Esposito	011623

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

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Material No.: 9530-33
Batch No.: 24D1562005

Test	Specification	Result
Trace Impurities – Lead (Pb)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Lithium (Li)	≤ 1.0 ppb	< 0.1 ppb
Trace Impurities – Magnesium (Mg)	≤ 10.0 ppb	2.2 ppb
Trace Impurities – Manganese (Mn)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Mercury (Hg)	≤ 0.5 ppb	< 0.1 ppb
Trace Impurities – Molybdenum (Mo)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Nickel (Ni)	≤ 4.0 ppb	0.2 ppb
Trace Impurities – Niobium (Nb)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Potassium (K)	≤ 9.0 ppb	< 1.0 ppb
Trace Impurities – Selenium (Se), For Information Only		< 1.0 ppb
Trace Impurities – Silicon (Si)	≤ 100.0 ppb	< 10.0 ppb
Trace Impurities – Silver (Ag)	≤ 1.0 ppb	< 0.3 ppb
Trace Impurities – Sodium (Na)	≤ 100.0 ppb	2.0 ppb
Trace Impurities – Strontium (Sr)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Tantalum (Ta)	≤ 1.0 ppb	< 0.9 ppb
Trace Impurities – Thallium (Tl)	≤ 5.0 ppb	< 2.0 ppb
Trace Impurities – Tin (Sn)	≤ 5.0 ppb	< 0.4 ppb
Trace Impurities – Titanium (Ti)	≤ 1.0 ppb	0.2 ppb
Trace Impurities – Vanadium (V)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Zinc (Zn)	≤ 5.0 ppb	< 0.2 ppb
Trace Impurities – Zirconium (Zr)	≤ 1.0 ppb	< 0.1 ppb

>>> Continued on page 3 >>>

Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

Material No.: 9530-33
Batch No.: 24D1562005

Test	Specification	Result

For Laboratory,Research,or Manufacturing Use
Product Information (not specifications):
Appearance (clear, fuming liquid)
Meets ACS Specifications
Storage Condition: Store below 25 °C.

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Croak
Director Quality Operations, Bioscience Production

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Certificate of Analysis

R 8/19/24, M60055

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1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	IV-STOCK-12
Lot Number:	U2-MEB734294
Matrix:	5% (v/v) HNO3
Value / Analyte(s):	10 µg/mL ea:

Barium, Beryllium,
Bismuth, Cerium,
Cobalt, Indium,
Lithium, Nickel,
Lead, Uranium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Barium, Ba	10.01 ± 0.04 µg/mL	Beryllium, Be	10.01 ± 0.05 µg/mL
Bismuth, Bi	10.01 ± 0.06 µg/mL	Cerium, Ce	10.01 ± 0.04 µg/mL
Cobalt, Co	10.01 ± 0.05 µg/mL	Indium, In	10.01 ± 0.04 µg/mL
Lead, Pb	10.00 ± 0.04 µg/mL	Lithium, Li	10.01 ± 0.04 µg/mL
Nickel, Ni	10.01 ± 0.04 µg/mL	Uranium, U	10.01 ± 0.05 µg/mL

Density: 1.025 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ba	ICP Assay	3104a	140909
Ba	Calculated		See Sec. 4.2
Ba	Gravimetric		See Sec. 4.2
Be	ICP Assay	3105a	090514
Be	Calculated		See Sec. 4.2
Bi	ICP Assay	3106	180815
Ce	ICP Assay	3110	160830
Ce	EDTA	928	928
Ce	Calculated		See Sec. 4.2
Co	ICP Assay	3113	190630
Co	EDTA	928	928
Co	Calculated		See Sec. 4.2
In	ICP Assay	3124a	110516
In	EDTA	928	928
In	Calculated		See Sec. 4.2
Li	ICP Assay	3129a	100714
Li	Calculated		See Sec. 4.2
Li	Gravimetric		See Sec. 4.2
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
Ni	Calculated		See Sec. 4.2
Pb	ICP Assay	3128	101026
Pb	EDTA	928	928
Pb	Calculated		See Sec. 4.2
U	ICP Assay	traceable to 3164	R2-U689597
U	Calculated		See Sec. 4.2

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Certified Abundance:

IV's Certified Abundance

Isotope	Atom %
Uranium 238U	99.8 ± 0.1
Uranium 235U	0.19 ± 0.05

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

June 21, 2023

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- June 21, 2028

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

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

7778

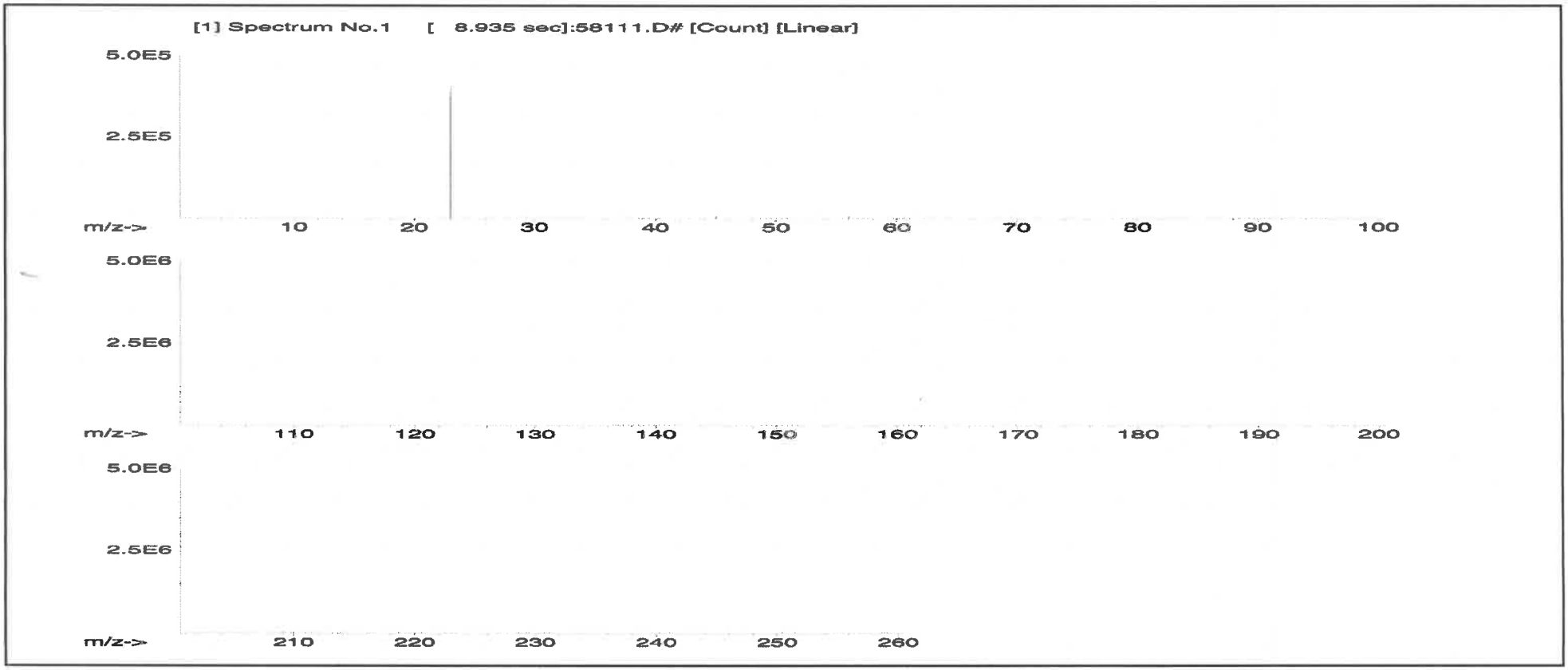
CERTIFIED WEIGHT REPORT:

			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



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
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(C) *ANALYSIS OF SAMPLES*

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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.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

R: 01/03/24 M5802, M5803

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

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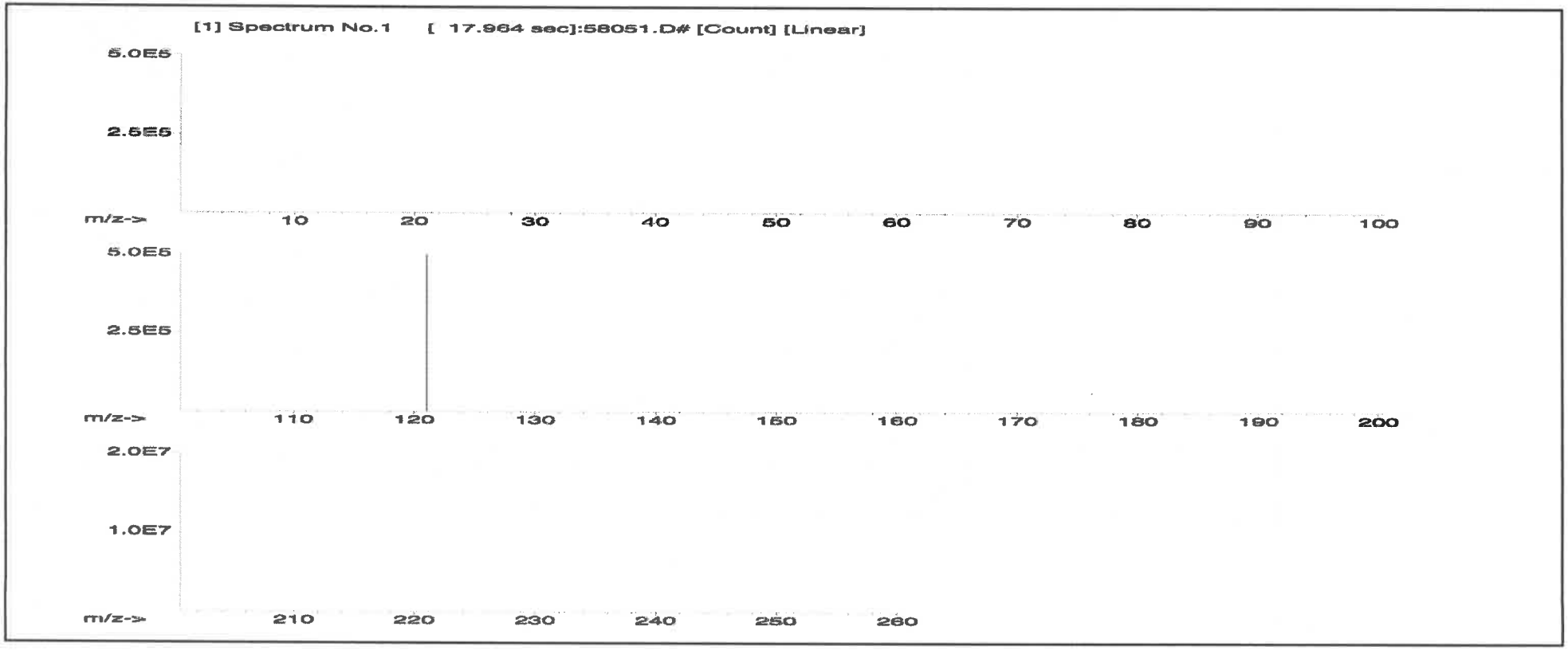
CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:	
Part Number:	**57051**	24002546	Nitric Acid	
Lot Number:	**120523**			
Description:	**Antimony (Sb)**			
		2.0%	60.0 (mL)	Nitric Acid
Expiration Date:	120526			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Volume shown below was diluted to (mL):	3000.41	0.058	Flask Uncertainty	

Formulated By:	Lawrence Barry	120523
Reviewed By:	Pedro L. Rentas	120523

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Antimony (Sb)	58151	100923	0.1000	300.0	0.084	1000	10001.4	**1000.0**	2.1	7440-36-0	0.5 mg/m3	orl-rat 7000 mg/kg	3102a



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	T	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M6030

R: 8/5/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

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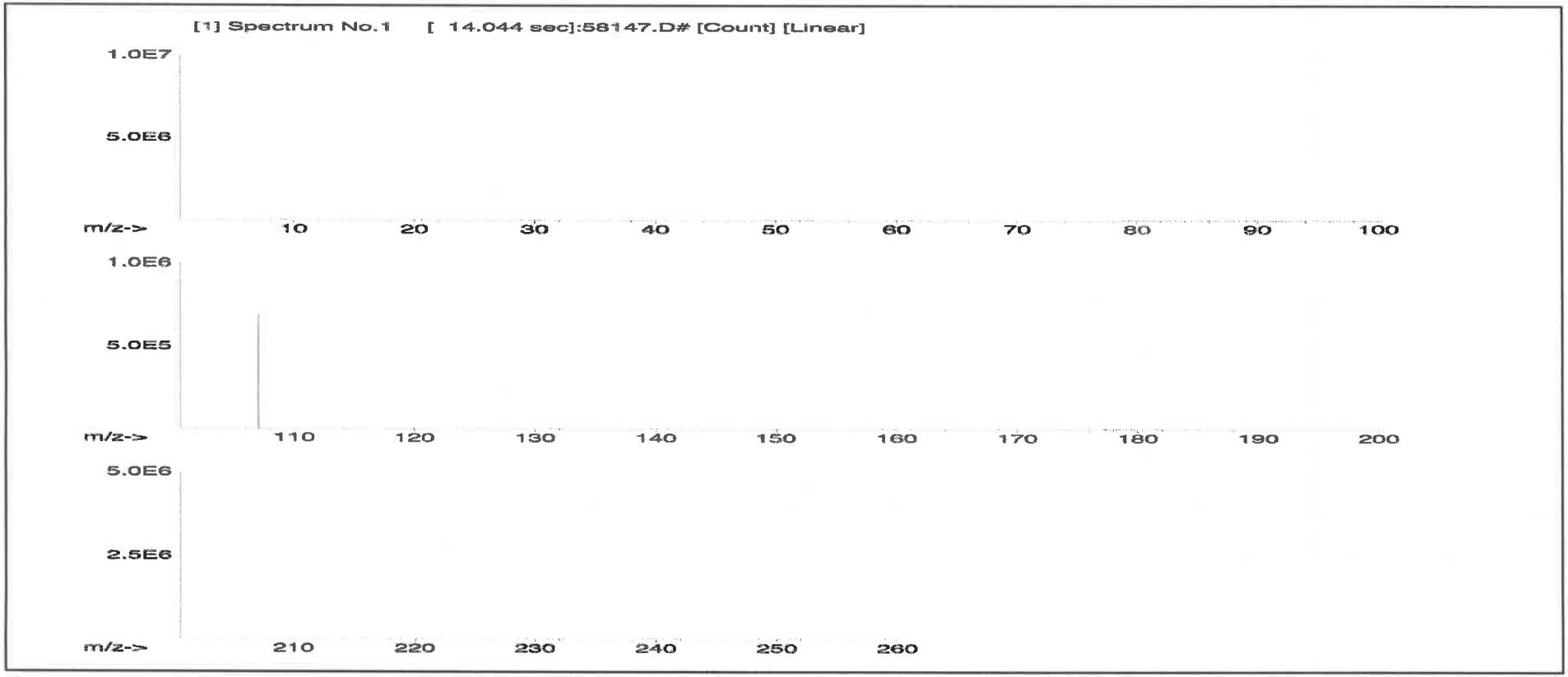
CERTIFIED WEIGHT REPORT:

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



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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	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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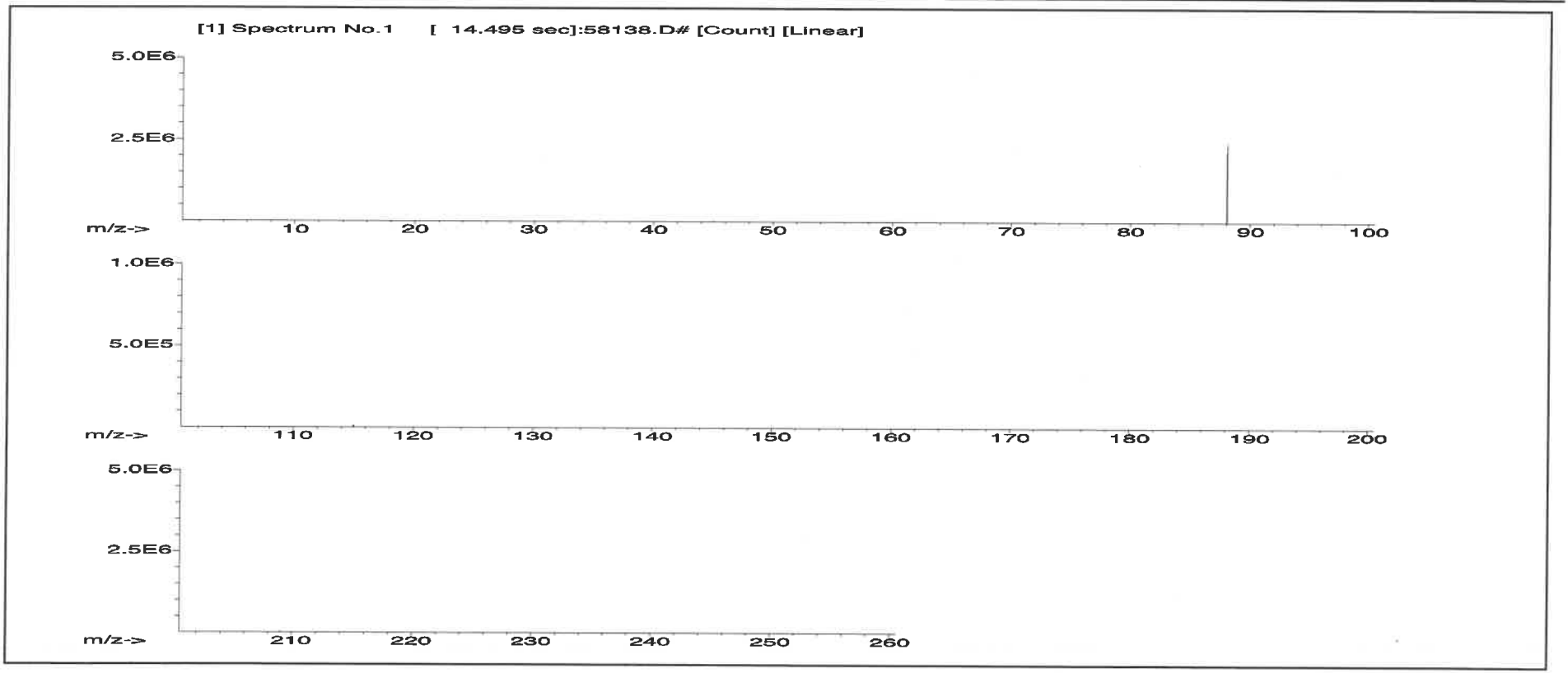
792

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



793

Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	T	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

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R ! 8/5/24

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794

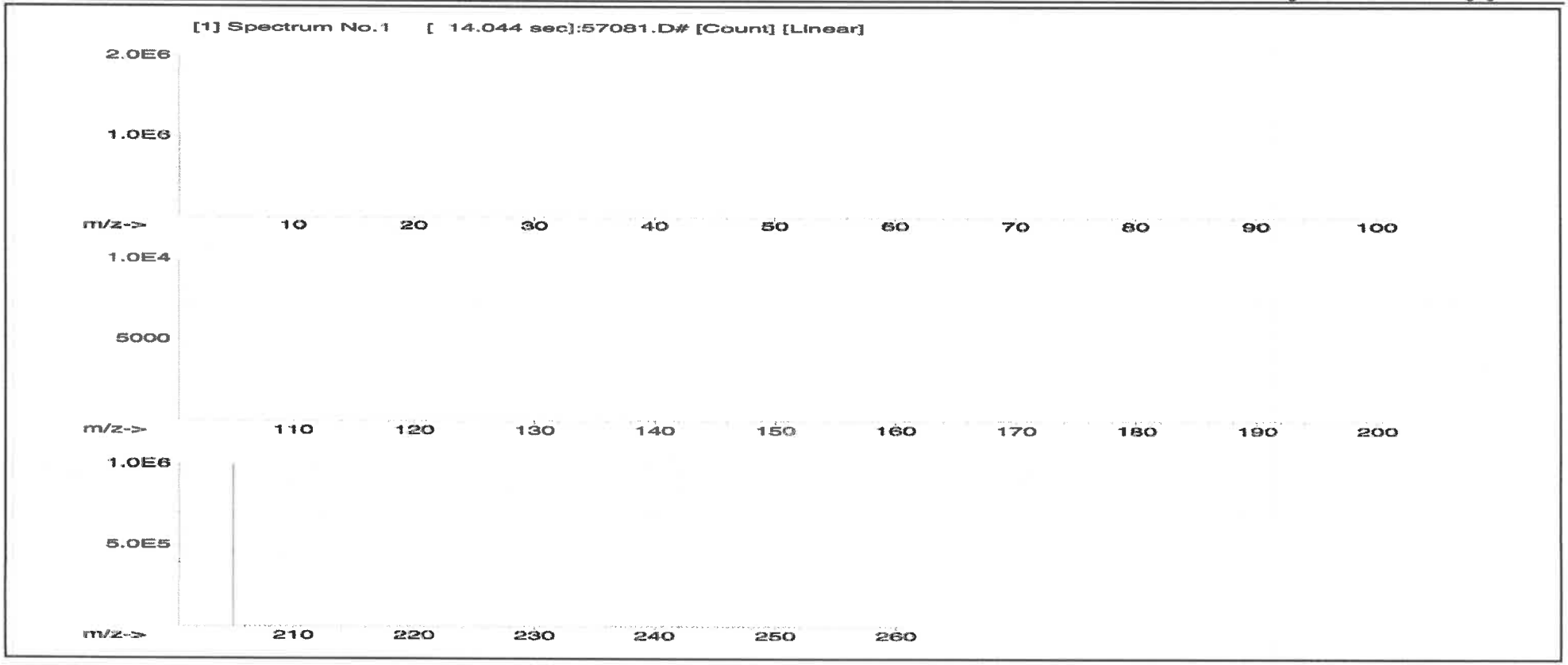
CERTIFIED WEIGHT REPORT:

Part Number:	**57081**		**Lot #**		
Lot Number:	**062724**	**Solvent:**	24002546	Nitric Acid	
Description:	**Thallium (Tl)**	2%	40.0 (mL)	Nitric Acid	
Expiration Date:	062727				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.1	0.10	Flask Uncertainty		

Aleah O'Brady

Formulated By:	Aleah O'Brady	062724
Reviewed By:	Pedro L. Rentas	062724

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Thallium nitrate (Tl)	IN037	BCCF4399	1000	99.999	0.10	77.0	2.5975	2.5977	**1000.1**	**2.0**	10102-45-1	0.1 mg/m3	orl-mus 15mg/kg	3158



795

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	T	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

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Rc. 8/5/24

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:	
Part Number:	**57023**	24002546	Nitric Acid	
Lot Number:	**062424**			
Description:	**Vanadium (V)**	2.0%	40.0 (mL)	Nitric Acid
Expiration Date:	062427			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Volume shown below was diluted to (mL):	2000.3	0.06	Flask Uncertainty	

Aleah O'Brady

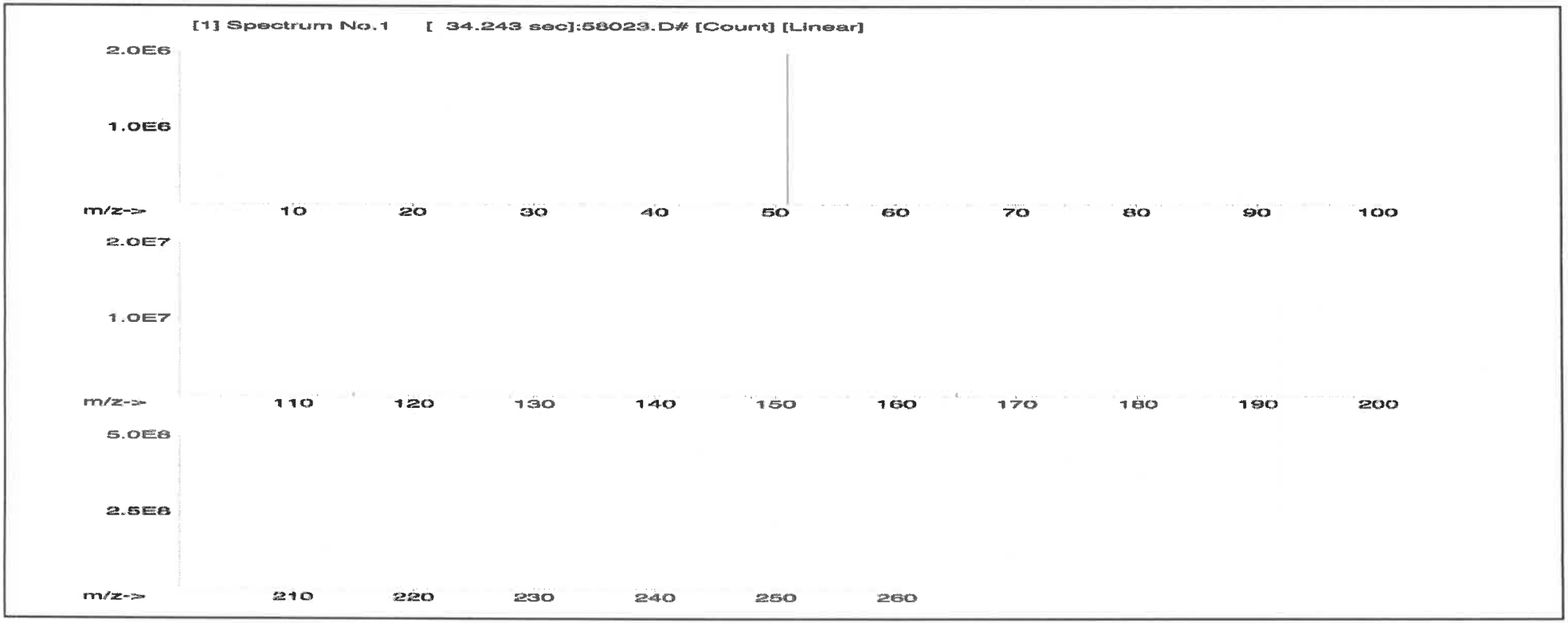
Formulated By:	Aleah O'Brady	062424

Pedro Rentas

Reviewed By:	Pedro L. Rentas	062424

796

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



797

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	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:

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Certified by:

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Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB164951

SOP ID : M200.8-Trace Elements-22, MSFAM01.1-Metals ICPMS-2

SDG No : MH2GT6

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: 11/13/2024 **Time :** 13:30 **Temp :** 95 °C

End Digest Date: 11/13/2024 **Time :** 14:10 **Temp :** 95 °C

Digestion tube ID: M6054

Block thermometer ID: MET-DIG. #2

Dig Technician Signature: jgp

Supervisor Signature: SJ

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
11/13/24 14:20	jgp / Met dig	SJ (Metals lab)
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB164951

Lab Sample ID	Client Sample ID	pH	Initial Weight (g)	Final Vol (ml)	Color Before	Color After	Texture	Artifact	Comment	Prep Pos
P4806-01	MH2GT6	N/A	1.26	500	Gray	Yellow	Medium	N/A	N/A	1
P4806-02	MH2GT7	N/A	1.10	500	Gray	Yellow	Medium	N/A	N/A	2
P4806-03	MH2GT8	N/A	1.18	500	Gray	Yellow	Medium	N/A	N/A	3
P4806-04	MH2GT9	N/A	1.16	500	Gray	Yellow	Medium	N/A	N/A	4
P4806-05	MH2GT9D	N/A	1.16	500	Gray	Yellow	Medium	N/A	N/A	5
P4806-06	MH2GT9S	N/A	1.28	500	Gray	Yellow	Medium	N/A	MP83047	6
P4806-07	MH2GW0	N/A	1.11	500	Grey	Yellow	Medium	N/A	N/A	7
P4806-08	MH2GW1	N/A	1.10	500	Gray	Yellow	Medium	N/A	N/A	8
P4806-09	MH2GW2	N/A	1.13	500	Gray	Yellow	Medium	N/A	N/A	9
P4806-10	MH2GW3	N/A	1.24	500	Gray	Yellow	Medium	N/A	N/A	10
P4806-11	MH2GW4	N/A	1.14	500	Gray	Yellow	Medium	N/A	N/A	11
PB164951BL	PBS951	N/A	1.00	500	Colorless	Colorless	Fine	N/A	N/A	12
PB164951BS	LCS951	N/A	1.00	500	Colorless	Colorless	Fine	N/A	MP83046	13

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 # LB133504

Review By	Sarabjit Jaswal	Review On	11/19/2024 1:15:49 AM
Supervise By	Mohan Bera	Supervise On	11/19/2024 1:25:53 AM

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	MP83046
Chk Standard	MP83050,MP83049

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	TUNE	TUNE001	TUNE	11/18/24 03:52		Jaswal	OK
2	S00	S0	CAL1	11/18/24 04:31		Jaswal	OK
3	S02	S02	CAL3	11/18/24 04:38		Jaswal	OK
4	S03	S03	CAL4	11/18/24 04:41		Jaswal	OK
5	S04	S04	CAL5	11/18/24 04:44		Jaswal	OK
6	S05	S05	CAL6	11/18/24 04:47		Jaswal	OK
7	S06	S06	CAL7	11/18/24 04:49		Jaswal	OK
8	S07	S07	CAL8	11/18/24 04:52		Jaswal	OK
9	S08	S08	CAL9	11/18/24 04:55		Jaswal	OK
10	ICV001	ICV001	ICV	11/18/24 05:53	Inst. paused for calibration review	Jaswal	OK
11	ICB001	ICB001	ICB	11/18/24 05:57		Jaswal	OK
12	ICSA001	ICSA001	ICSA	11/18/24 06:00		Jaswal	OK
13	ICSAB001	ICSAB001	ICSAB	11/18/24 06:03		Jaswal	OK
14	CCV001	CCV001	CCV	11/18/24 06:06		Jaswal	OK
15	CCB001	CCB001	CCB	11/18/24 06:09		Jaswal	OK
16	PB164950BL	PBS950	MB	11/18/24 06:25		Jaswal	OK
17	PB164950BS	LCS950	LCS	11/18/24 06:28		Jaswal	OK
18	PB164951BL	PBS951	MB	11/18/24 06:31		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 # LB133504

Review By	Sarabjit Jaswal	Review On	11/19/2024 1:15:49 AM
Supervise By	Mohan Bera	Supervise On	11/19/2024 1:25:53 AM

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	MP83046
Chk Standard	MP83050,MP83049

19	PB164951BS	LCS951	LCS	11/18/24 06:35		Jaswal	OK
20	P4805-01	MH2GN9	SAM	11/18/24 06:38		Jaswal	OK
21	P4805-02	MH2GN9D	DUP	11/18/24 06:41		Jaswal	OK
22	P4805-01L	MH2GN9L	SD	11/18/24 06:44		Jaswal	OK
23	P4805-03	MH2GN9S	MS	11/18/24 06:47		Jaswal	OK
24	P4805-04	MH2GP0	SAM	11/18/24 06:50		Jaswal	OK
25	P4805-05	MH2GP1	SAM	11/18/24 06:53		Jaswal	OK
26	P4805-06	MH2GP2	SAM	11/18/24 06:56		Jaswal	OK
27	P4805-07	MH2GP3	SAM	11/18/24 06:59		Jaswal	OK
28	P4805-08	MH2GP4	SAM	11/18/24 07:02		Jaswal	OK
29	P4805-09	MH2GP5	SAM	11/18/24 07:05		Jaswal	OK
30	P4805-10	MH2GP6	SAM	11/18/24 07:08		Jaswal	OK
31	P4805-11	MH2GP7	SAM	11/18/24 07:11		Jaswal	OK
32	P4805-12	MH2GP8	SAM	11/18/24 07:14		Jaswal	OK
33	P4805-13	MH2GP9	SAM	11/18/24 07:17		Jaswal	OK
34	P4805-14	MH2GQ0	SAM	11/18/24 07:20		Jaswal	OK
35	P4805-15	MH2GQ1	SAM	11/18/24 07:23		Jaswal	OK
36	P4806-01	MH2GT6	SAM	11/18/24 07:26	Pb High	Jaswal	Dilution
37	CCV002	CCV002	CCV	11/18/24 07:29		Jaswal	OK
38	CCB002	CCB002	CCB	11/18/24 07:31		Jaswal	OK

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Fax : 908 789 8922

Instrument ID: P7

Daily Analysis Runlog For Sequence/QCBatch ID # LB133504

Review By	Sarabjit Jaswal	Review On	11/19/2024 1:15:49 AM
Supervise By	Mohan Bera	Supervise On	11/19/2024 1:25:53 AM

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ICV Standard	MP83041
CCV Standard	MP83042
ICSA Standard	MP83043,MP83044
CRI Standard	
LCS Standard	MP83046
Chk Standard	MP83050,MP83049

39	P4806-02	MH2GT7	SAM	11/18/24 07:35		Jaswal	OK
40	P4806-03	MH2GT8	SAM	11/18/24 07:38		Jaswal	OK
41	P4806-04	MH2GT9	SAM	11/18/24 07:41		Jaswal	OK
42	P4806-05	MH2GT9D	DUP	11/18/24 07:43		Jaswal	OK
43	P4806-04L	MH2GT9L	SD	11/18/24 07:46		Jaswal	OK
44	P4806-06	MH2GT9S	MS	11/18/24 07:49	MS Fail For Mn(291.64ppb)	Jaswal	OK
45	P4806-07	MH2GW0	SAM	11/18/24 07:52		Jaswal	OK
46	P4806-08	MH2GW1	SAM	11/18/24 07:55		Jaswal	OK
47	P4806-09	MH2GW2	SAM	11/18/24 07:58		Jaswal	OK
48	P4806-10	MH2GW3	SAM	11/18/24 08:01		Jaswal	OK
49	P4806-11	MH2GW4	SAM	11/18/24 08:05		Jaswal	OK
50	P4806-01DL	MH2GT6	SAM	11/18/24 08:37	2X For Pb	Jaswal	Confirms
51	CCV003	CCV003	CCV	11/18/24 08:40		Jaswal	OK
52	CCB003	CCB003	CCB	11/18/24 08:43		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 # LB133538

Review By	Sarabjit Jaswal	Review On	11/21/2024 4:24:09 AM
Supervise By	Mohan Bera	Supervise On	11/21/2024 4:25:15 AM

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	
Chk Standard	MP83050,MP83049

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	TUNE	TUNE002	TUNE	11/20/24 08:18		Jaswal	OK
2	S00	S0	CAL1	11/20/24 09:21		Jaswal	OK
3	S02	S02	CAL3	11/20/24 09:28		Jaswal	OK
4	S03	S03	CAL4	11/20/24 09:31		Jaswal	OK
5	S04	S04	CAL5	11/20/24 09:34		Jaswal	OK
6	S05	S05	CAL6	11/20/24 09:37		Jaswal	OK
7	S06	S06	CAL7	11/20/24 09:40		Jaswal	OK
8	S07	S07	CAL8	11/20/24 09:42		Jaswal	OK
9	S08	S08	CAL9	11/20/24 09:45		Jaswal	OK
10	ICV002	ICV002	ICV	11/20/24 10:03	Inst. paused for calibration review	Jaswal	OK
11	ICB002	ICB002	ICB	11/20/24 10:07		Jaswal	OK
12	ICSA002	ICSA002	ICSA	11/20/24 10:11		Jaswal	OK
13	ICSAB002	ICSAB002	ICSAB	11/20/24 10:14		Jaswal	OK
14	CCV004	CCV004	CCV	11/20/24 10:17		Jaswal	OK
15	CCB004	CCB004	CCB	11/20/24 10:19		Jaswal	OK
16	PB165018BL	PBW018	MB	11/20/24 10:23		Jaswal	OK
17	PB165018BS	LCS018	LCS	11/20/24 10:26		Jaswal	OK
18	PB165103BL	PBW103	MB	11/20/24 10:29		Jaswal	OK

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ICV Standard	MP83041
CCV Standard	MP83042
ICSA Standard	MP83043,MP83044
CRI Standard	
LCS Standard	
Chk Standard	MP83050,MP83049

19	PB165103BS	LCS103	LCS	11/20/24 10:32		Jaswal	OK
20	PB165104BL	PBW104	MB	11/20/24 10:36		Jaswal	OK
21	PB165104BS	LCS104	LCS	11/20/24 10:39		Jaswal	OK
22	PB165107BL	PBS107	MB	11/20/24 10:42		Jaswal	OK
23	PB165107BS	LCS107	LCS	11/20/24 10:45		Jaswal	OK
24	P4728-16	MBH9G9	SAM	11/20/24 10:49		Jaswal	OK
25	P4750-22	MBH9H0	SAM	11/20/24 10:52		Jaswal	OK
26	P4806-04A	MH2GT9A	PS	11/20/24 10:55	PS For Mn, 0.006ml - M5698 - 10ml sample.	Jaswal	OK
27	P4831-01	E29S4	SAM	11/20/24 10:58		Jaswal	OK
28	P4831-02	E29S4D	DUP	11/20/24 11:01		Jaswal	OK
29	P4831-01L	E29S4L	SD	11/20/24 11:04		Jaswal	OK
30	P4831-04	E29T2	SAM	11/20/24 11:10		Jaswal	OK
31	P4831-05	E29T4	SAM	11/20/24 11:14		Jaswal	OK
32	P4831-06	E29W0	SAM	11/20/24 11:17		Jaswal	OK
33	P4831-07	E29W4	SAM	11/20/24 11:20		Jaswal	OK
34	P4831-08	E29W1	SAM	11/20/24 11:23		Jaswal	OK
35	P4831-09	E29W5	SAM	11/20/24 11:26		Jaswal	OK
36	P4831-10	E29R6	SAM	11/20/24 11:30		Jaswal	OK
37	P4831-11	E29S0	SAM	11/20/24 11:33		Jaswal	OK

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ICV Standard	MP83041
CCV Standard	MP83042
ICSA Standard	MP83043,MP83044
CRI Standard	
LCS Standard	
Chk Standard	MP83050,MP83049

38	P4831-12	E29S2	SAM	11/20/24 11:36		Jaswal	OK
39	P4831-13	E29S6	SAM	11/20/24 11:39		Jaswal	OK
40	CCV005	CCV005	CCV	11/20/24 11:42		Jaswal	OK
41	CCB005	CCB005	CCB	11/20/24 11:45		Jaswal	OK
42	P4831-14	E29W6	SAM	11/20/24 12:02		Jaswal	OK
43	P4831-15	E29W2	SAM	11/20/24 12:05		Jaswal	OK
44	P4832-01	E29S5	SAM	11/20/24 12:09		Jaswal	OK
45	P4832-02	E29S5D	DUP	11/20/24 12:12		Jaswal	OK
46	P4832-01L	E29S5L	SD	11/20/24 12:15		Jaswal	OK
47	P4832-03	E29S5S	MS	11/20/24 12:18		Jaswal	OK
48	P4832-04	E29T3	SAM	11/20/24 12:21		Jaswal	OK
49	P4832-05	E29T5	SAM	11/20/24 12:24		Jaswal	OK
50	P4832-06	E29R7	SAM	11/20/24 12:28		Jaswal	OK
51	P4832-07	E29S1	SAM	11/20/24 12:31		Jaswal	OK
52	P4832-08	E29S3	SAM	11/20/24 12:34		Jaswal	OK
53	P4832-09	E29S7	SAM	11/20/24 12:37		Jaswal	OK
54	P4879-01	E29X1	SAM	11/20/24 12:40		Jaswal	OK
55	P4879-02	E29X2	SAM	11/20/24 12:43		Jaswal	OK
56	P4879-03	E29X3	SAM	11/20/24 12:47		Jaswal	OK
57	P4879-04	E29X4	SAM	11/20/24 12:50		Jaswal	OK

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CCV Standard	MP83042
ICSA Standard	MP83043,MP83044
CRI Standard	
LCS Standard	
Chk Standard	MP83050,MP83049

58	P4879-05	E29X5	SAM	11/20/24 12:53		Jaswal	OK
59	P4879-06	E29X5D	DUP	11/20/24 12:56		Jaswal	OK
60	P4879-05L	E29X5L	SD	11/20/24 12:59		Jaswal	OK
61	P4879-07	E29X5S	MS	11/20/24 13:02		Jaswal	OK
62	P4879-08	E29X6	SAM	11/20/24 13:05		Jaswal	OK
63	P4879-09	E29X7	SAM	11/20/24 13:09		Jaswal	OK
64	P4879-10	E29X8	SAM	11/20/24 13:12		Jaswal	OK
65	P4879-11	E29X9	SAM	11/20/24 13:15		Jaswal	OK
66	P4879-12	E29Y0	SAM	11/20/24 13:18		Jaswal	OK
67	P4879-13	E29Y1	SAM	11/20/24 13:21		Jaswal	OK
68	P4879-14	E29Y2	SAM	11/20/24 13:24		Jaswal	OK
69	CCV006	CCV006	CCV	11/20/24 13:28		Jaswal	OK
70	CCB006	CCB006	CCB	11/20/24 13:30		Jaswal	OK
71	P4879-15	E29Y3	SAM	11/20/24 13:34		Jaswal	OK
72	P4879-16	E29Y4	SAM	11/20/24 13:38		Jaswal	OK
73	P4879-17	E29Y5	SAM	11/20/24 13:41		Jaswal	OK
74	P4879-18	E29Y9	SAM	11/20/24 13:44		Jaswal	OK
75	P4879-19	E29Z0	SAM	11/20/24 13:47		Jaswal	OK
76	P4879-20	E29Y6	SAM	11/20/24 13:50		Jaswal	OK
77	P4879-21	E29Y7	SAM	11/20/24 13:53		Jaswal	OK

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CCV Standard	MP83042
ICSA Standard	MP83043,MP83044
CRI Standard	
LCS Standard	
Chk Standard	MP83050,MP83049

78	CCV007	CCV007	CCV	11/20/24 13:58		Jaswal	OK
79	CCB007	CCB007	CCB	11/20/24 14:00		Jaswal	OK
80	P4831-03	E29S4S	MS	11/20/24 14:04		Jaswal	OK
81	CCV008	CCV008	CCV	11/20/24 14:45		Jaswal	OK
82	CCB008	CCB008	CCB	11/20/24 14:48		Jaswal	OK

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PACIFIC WESTERN TECHNOLOGIES
3000 YOUGFIELD ST
WHEATRIDGE, CO 80215
UNITED STATES US

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MOUNTAINSIDE NJ 07092
(908) 789-8900
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Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

Alliance TECHNICAL GROUP 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Login Summary Report

Order ID :	P4806	Order Date :	11/11/2024 7:05:00 AM	Project Mgr :	Deepak
Client :	USEPA CLP SMO	Project :	51822	Report Type :	USEPA CLP
Contact :	Anita Kapadia	Receive Date :	11/11/2024 7:05:00 AM	EDD Type :	EPA CLP
Date Sign Off :	11/12/2024 9:47:01 AM				

Sample ID	Client ID	Matrix	Sampling Date	Test	Test Group	Method	TAT Days	Fax Due Date	HC Due Date
P4806-01	MH2GT6	Solid	10/30/2024						
				Metals CLP MS FULL		SFAM_MS	10	11/25/2024	11/25/2024
				Percent Solids		Chemtech -SOP	10	11/25/2024	11/25/2024
P4806-02	MH2GT7	Solid	10/30/2024						
				Metals CLP MS FULL		SFAM_MS	10	11/25/2024	11/25/2024
				Percent Solids		Chemtech -SOP	10	11/25/2024	11/25/2024
P4806-03	MH2GT8	Solid	10/30/2024						
				Metals CLP MS FULL		SFAM_MS	10	11/25/2024	11/25/2024
				Percent Solids		Chemtech -SOP	10	11/25/2024	11/25/2024
P4806-04	MH2GT9	Solid	10/30/2024						
				Metals CLP MS FULL		SFAM_MS	10	11/25/2024	11/25/2024
				Percent Solids		Chemtech -SOP	10	11/25/2024	11/25/2024
P4806-05	MH2GT9D	Solid	10/30/2024						
				Metals CLP MS FULL		SFAM_MS	10	11/25/2024	11/25/2024
				Percent Solids		Chemtech -SOP	10	11/25/2024	11/25/2024
P4806-06	MH2GT9S	Solid	10/30/2024						
				Metals CLP MS FULL		SFAM_MS	10	11/25/2024	11/25/2024
				Percent Solids		Chemtech -SOP	10	11/25/2024	11/25/2024
P4806-07	MH2GW0	Solid	11/05/2024						
				Metals CLP MS FULL		SFAM_MS	10	11/25/2024	11/25/2024
				Percent Solids		Chemtech -SOP	10	11/25/2024	11/25/2024
P4806-08	MH2GW1	Solid	11/05/2024						
				Metals CLP MS FULL		SFAM_MS	10	11/25/2024	11/25/2024
				Percent Solids		Chemtech -SOP	10	11/25/2024	11/25/2024
P4806-09	MH2GW2	Solid	11/05/2024						
				Metals CLP MS FULL		SFAM_MS	10	11/25/2024	11/25/2024
				Percent Solids		Chemtech -SOP	10	11/25/2024	11/25/2024
P4806-10	MH2GW3	Solid	11/05/2024						
				Metals CLP MS FULL		SFAM_MS	10	11/25/2024	11/25/2024
				Percent Solids		Chemtech -SOP	10	11/25/2024	11/25/2024

P4806-11	MH2GW4	Solid	11/05/2024					
				Metals CLP MS FULL	SFAM_MS	10	11/25/2024	11/25/2024
				Percent Solids	Chemtech -SOP	10	11/25/2024	11/25/2024

WORKLIST(Hardcopy Internal Chain)

WorkList Name : PB164951 **WorkList ID :** 185408 **Department :** Digestion **Date :** 11-13-2024 12:44:08

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4806-01	MH2GT6	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	A11	10/30/2024	SFAM_MS
P4806-02	MH2GT7	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	A11	10/30/2024	SFAM_MS
P4806-03	MH2GT8	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	A11	10/30/2024	SFAM_MS
P4806-04	MH2GT9	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	A11	10/30/2024	SFAM_MS
P4806-05	MH2GT9D	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	A11	10/30/2024	SFAM_MS
P4806-06	MH2GT9S	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	A11	10/30/2024	SFAM_MS
P4806-07	MH2GW0	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	A11	10/30/2024	SFAM_MS
P4806-08	MH2GW1	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	A11	11/05/2024	SFAM_MS
P4806-09	MH2GW2	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	A11	11/05/2024	SFAM_MS
P4806-10	MH2GW3	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	A11	11/05/2024	SFAM_MS
P4806-11	MH2GW4	Solid	Metals CLP MS FULL	Cool 4 deg C	USEP01	A11	11/05/2024	SFAM_MS

817

Date/Time 11/13/24 12:50

Raw Sample Received by: jgp(Met dig)

Raw Sample Relinquished by:

Date/Time 11/13/24 13:50.

Raw Sample Received by:

Raw Sample Relinquished by: jgp(Met dig)