SDG COVER PAGE

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

Lab Code: ACE Case No.: 51847 MA No.: SDG No.: ME2927

SOW No. : SFAM01.1

EPA Sample No.	Lab Sample Id	Analysis Method ICP-AES	ICP-MS	Mercury	Cyanide
ME2927	P5354-01		X	X	X
ME2928	P5354-02		X	X	X
ME2928D	P5354-03		X	X	X
ME2928S	P5354-04		X	X	X

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

Signature: Name:

Date: Title:

USEPA CLP COC (LAB COPY)
DateShipped: 12/18/2024
CarrierName: UPS
AirbillNo: 1Z93947Y0107929850

CHAIN OF CUSTODY RECORD

Case #: 51847
Cooler #: 17

No: 5-121824-123909-0315
Lab: Alliance Technical Group LLC
Lab Contact: Mohammad Ahmed
Lab Phone: 908-728-3151

2

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
IA15AST18H-24-100	E2927	Water/	Grab	TVOA(21), SVOA+SVSIM(21), 1,4-D(21), PEST(21), ARO(21)	4979 (6C, HCl pH<2), 4980 (6C), 4981 (6C), 4982 (6C), 4983 (6C) (12)	IA-15-AST-18H	12/17/2024 13:40	
TB-24-100	E2929	Water/	Grab	TVOA(21)	4984 (6C, HCl pH<2) (4)	TB-24-100	12/17/2024 15:30	
IA15AST18H-24-100	ME2927	Water/	Grab	ICP-MS+HG+Hardness (MA 3114)(TAT 21 Days)(21), CN(21)	4984 (HNO3 pH<2), 4991 (6C, NaOH pH>10) (2)	IA-15-AST-18H	12/17/2024 13:40	✓ pH 1.6 / pH 12

Special Instructions: Please return cooler with enclosed airbill (1Z93947Y0320899631).

Shipment for Case Complete? N
Samples Transferred From Chain of Custody #

Analysis Key: TVOA=Trace Volatiles, SVOA+SVSIM=SVOA + SVOA SIM (MA 3064) (TAT 21 Days), 1,4-D=1,4-Dioxane, PEST=Pesticides, ARO=Aroclors, CN=Cyanide

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	Ceara Lyon, Pierces	12/18/24 1745		12/18/24 1800	Good cond Frozen
			R. Mcandrew	10:32 12.19.24	IR gun # 1 2.5°
					Temp Blank present Custody seal intact

USEPA CLP COC (LAB COPY)
DateShipped: 12/18/2024
CarrierName: UPS
AirbillNo: 1Z93947Y0101278663

CHAIN OF CUSTODY RECORD

Case #: 51847
Cooler #: 18

No: 5-121824-124632-0316
Lab: Alliance Technical Group LLC
Lab Contact: Mohammad Ahmed
Lab Phone: 908-728-3151

3

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
IA15AST18T-24-101	E2928	Water/	Grab	TVOA(21), SVOA+SVSIM(21), 1,4-D(21), PEST(21), ARO(21)	4873 (6C, HCl pH<2), 4985 (6C), 4986 (6C), 4987 (6C), 4988 (6C) (12)	IA-15-AST-18T	12/17/2024 14:20	
TB-24-101	E2930	Water/	Grab	TVOA(21)	5004 (6C, HCl pH<2) (4)	TB-24-101	12/17/2024 15:30	✓
IA15AST18T-24-101	ME2928	Water/	Grab	ICP-MS+HG+Hardness (MA 3114)(TAT 21 Days)(21), CN(21)	4989 (HNO3 pH<2), 4990 (6C, NaOH pH>10) (2)	IA-15-AST-18T	12/17/2024 14:20	pH 1.6/pH 12

Special Instructions: Please return cooler with enclosed airbill (1Z93947Y0328289044).	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #

Analysis Key: TVOA=Trace Volatiles, SVOA+SVSIM=SVOA + SVOA SIM (MA 3064) (TAT 21 Days), 1,4-D=1,4-Dioxane, PEST=Pesticides, ARO=Aroclors, CN=Cyanide

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	Connor Ryan, Pierce	12/18/24 1750	GPS	12/19/24 1000	Good, 4x Ice
				1032 12-19-24	IR Gun @ 2.4°
					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) Cristopher Pena		Log-in Date **12/19/2024**
Received By (Signature)		
Case Number 51847	SDG No. ME2927	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.	1Z93947Y0107929850 1
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	2.5 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	12/19/2024
12.Time Received	10:32

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
1	ME2927	1.6,12	4984,91	P5354-01	Intact
2	N/A	N/A	N/A	N/A	N/A
3	N/A	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A
7	N/A	N/A	N/A	N/A	N/A
8	N/A	N/A	N/A	N/A	N/A
9	N/A	N/A	N/A	N/A	N/A
10	N/A	N/A	N/A	N/A	N/A
11	N/A	N/A	N/A	N/A	N/A
12	N/A	N/A	N/A	N/A	N/A
13	N/A	N/A	N/A	N/A	N/A
14	N/A	N/A	N/A	N/A	N/A
15	N/A	N/A	N/A	N/A	N/A
16	N/A	N/A	N/A	N/A	N/A
17	N/A	N/A	N/A	N/A	N/A
18	N/A	N/A	N/A	N/A	N/A
19	N/A	N/A	N/A	N/A	N/A
20	N/A	N/A	N/A	N/A	N/A
21	N/A	N/A	N/A	N/A	N/A
22	N/A	N/A	N/A	N/A	N/A
23	N/A	N/A	N/A	N/A	N/A

* Contact SMO and attach record of resolution

Reviewed By		Logbook No.	N/A
Date	12/23/24	Logbook Page No.	N/A

FORM DC-1

SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page 2 of 2
Received By (Print Name) Dissapora Reid		Log-in Date **12/19/2024**
Received By (Signature)		
Case Number 51847	SDG No. ME2927	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.	1Z93947Y0101278663 2
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	2.4 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	12/19/2024
12.Time Received	10:32

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
1	ME2928	1.6,12	4989,90	P5354-02	Intact
2	ME2928D	1.6,12	4989,90	P5354-03	Intact
3	ME2928S	1.6,12	4989,90	P5354-04	Intact
4	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A
7	N/A	N/A	N/A	N/A	N/A
8	N/A	N/A	N/A	N/A	N/A
9	N/A	N/A	N/A	N/A	N/A
10	N/A	N/A	N/A	N/A	N/A
11	N/A	N/A	N/A	N/A	N/A
12	N/A	N/A	N/A	N/A	N/A
13	N/A	N/A	N/A	N/A	N/A
14	N/A	N/A	N/A	N/A	N/A
15	N/A	N/A	N/A	N/A	N/A
16	N/A	N/A	N/A	N/A	N/A
17	N/A	N/A	N/A	N/A	N/A
18	N/A	N/A	N/A	N/A	N/A
19	N/A	N/A	N/A	N/A	N/A
20	N/A	N/A	N/A	N/A	N/A
21	N/A	N/A	N/A	N/A	N/A
22	N/A	N/A	N/A	N/A	N/A
23	N/A	N/A	N/A	N/A	N/A

* Contact SMO and attach record of resolution

Reviewed By	Logbook No. N/A
Date 12/23/24	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.	**51847**	SDG NO.	**ME2927**
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	3	✓	
3. Sample Log-In Sheet (DC-1)	4	5	✓	
4. CSF Inventory Sheet (DC-2)	6	8	✓	
5. SDG Narrative	9	13	✓	
6. Communication Logs	14	20	✓	
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	21	22	✓	
18. Instrument raw data by instrument in analysis order	23	703	✓	
Other Data				
19. Standard and Reagent Preparation Logs	704	841	✓	
20. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	842	843	✓	
21. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	844	853	✓	
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	854	855	✓	
27. Instrument raw data by instrument in analysis order	856	857	✓	
Other Data				
28. Standard and Reagent Preparation Logs	858	884	✓	
29. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	885	886	✓	
30. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	887	888	✓	
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	889	890	✓	
36. Instrument raw data by instrument in analysis order	891	893	✓	
Other Data				
37. Standard and Reagent Preparation Logs	894	924	✓	
38. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	925	926	✓	
39. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	927	928	✓	
40. Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions	NA	NA	✓	
41. Extraction Logs for TCLP and SPLP	NA	NA	✓	
42. Raw GPC Data	NA	NA	✓	
43. Raw Florisil Data	NA	NA	✓	

	PAGE NOs: FROM	TO	CHECK LAB	REGION
Additional				
44. EPA Shipping/Receiving Documents				
Airbill (No. of Shipments 2)	929	930	✓	
Sample Tags	NA	NA	✓	
Sample Log-In Sheet (Lab)	931	931	✓	
45. Misc. Shipping/Receiving Records (list all individual records)				
	NA	NA	✓	
46. Internal Lab Sample Transfer Records and Tracking Sheets (describe or list)				
	932	934	✓	
47. Other Records and related Communication Logs (describe or list)				
	NA	NA	✓	

48. Comments:

Completed by:
(CLP Lab) _____ (Signature) Nimisha Pandya, Document Control Officer (Print Name & Title) _____ (Date)

Audited by:
(EPA) _____ (Signature) _____ (Print Name & Title) _____ (Date)

284 Sheffield Street
Mountainside, NJ 07092

SDG NARRATIVE

USEPA
SDG # ME2927
CASE # 51847
CONTRACT # 68HERH20D0011
SOW# SFAM01.1
LAB NAME: Alliance Technical Group, LLC
LAB CODE: ACE
LAB ORDER ID # P5354

A. Number of Samples and Date of Receipt

02 Water samples were delivered to the laboratory intact on 12/19/2024.

B. Parameters

Test requested for Metals CLP MS = Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc & Mercury, Cyanide.

C. Cooler Temp

Indicator Bottle**: Presence/**Absence

Cooler: 2.5^{o}C , 2.4^{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 COC lists Hardness (MA 3114) analysis for inorganic samples, but this analysis is not scheduled for Case 51847.

Issue 3: SDG ME2927 requires Laboratory QC for water samples for ICP-MS, Hg, CN analysis, but a sample was not designated on the COC. The laboratory selected sample ME2928 for Laboratory QC and confirmed this sample is not a blank, rinsate or PT sample.

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 5, the laboratory will note the issue in the SDG Narrative and disregard the request for Hardness (MA 3114) analysis.

Resolution 3: Per SFAM01.1 Exhibit A, Section 5.5.4.1., the laboratory will note the issue in the SDG Narrative and proceed with the analysis of the samples.

F. Analytical Techniques:

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

G. Calculation:

Calculation for ICP-MS Water Sample:

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

Where,

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

Example Calculation For Sample ME2927 For Calcium:

If C = 20.67 ppb
Vf = 50 ml
Vi = 50 ml
DF = 1

$$\text{Concentration or Result } (\mu g/L) = 20.67 \times \frac{50}{50} \times 1$$

$$= 20.67 \ \mu g/L$$

$$= 21 \ \mu g/L \ \text{(Reported Result with Signification)}$$

Calculation for Hg Water Sample:

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

Where,

C = Instrument response in µg/L from the calibration curve.
DF = Dilution Factor

Example Calculation For Mercury:

If C = 0.1811 ppb
DF = 1

Concentration or Result (µg/L) = 0.1811 x 1

= 0.1811 µg/L

= 0.18 µg/L (Reported Result with Signification)

Calculation for CN Water Sample:

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

Where,

C = Instrument response in µg/L CN from the calibration curve.
Vf = Final prepared (absorbing solution) volume (mL)
Vi = Initial aliquot amount (mL) (Sample amount taken in prep)
DF = Dilution Factor

Example Calculation For Cyanide:

If C = 4.1106 ppb
Vf = 50 ml
Vi = 50 ml
DF = 1

$$\text{Concentration or Result (µg/L)} = 4.1106 \times \frac{50}{50} \times 1$$

= 4.1106 µg/L

= 4.1 µg/L(Reported Result with Signification)

H. QA/ QC

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

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

284 Sheffield Street
Mountainside, NJ 07092

Internal Standard Association for ICP-MS analysis.

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

284 Sheffield Street
Mountainside, NJ 07092

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: Zafar, Tasmia (NE) <Tasmia.Zafar@gdit.com>
Sent: Friday, December 20, 2024 4:46 PM
To: Deepak Parmar; Sohil Jodhani; Mohammad Ahmed
Cc: R5RSCC; Bauer, Heather E; Johnson, Matthew; Helen Britz; Moody, Brett; Gambrah, Derrick; vargas.magda@epa.gov; patel.bhavita@epa.gov
Subject: Region 05 | Case 51847 | Lab ACE | Issue Insufficient/inappropriate designation of laboratory QC | FINAL
Attachments: SKM_95824122012030.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 afternoon,

Issue 1: SDG E2927 requires Laboratory QC for water samples, but a sample was not designated on the COC. The laboratory would like to proceed without Laboratory QC to keep holding time.
Resolution 1: Per Region 5, the laboratory will note the issue in the SDG Narrative and proceed without Laboratory QC.

Issue 2: SDG ME2927 requires Laboratory QC for water samples for ICP-MS, Hg, CN analysis, but a sample was not designated on the COC. The laboratory selected sample ME2928 for Laboratory QC and confirmed this sample is not a blank, rinsate or PT sample.
Resolution 2: Per SFAM01.1 Exhibit A, Section 5.5.4.1., the laboratory will note the issue in the SDG Narrative and proceed with the analysis of the samples.

Please note that the laboratory may contact the appropriate CLP PM should any defects need to be waived for this issue.

Best Regards,
Tasmia Zafar
Associate Environmental Analyst
CLP QSS Coordinator – EPA Regions 5 & 6

T: (919) 768-4086
tasmia.zafar@gdit.com
15036 Conference Center Drive
Chantilly, VA 20151
www.gdit.com

GENERAL DYNAMICS
information technology

Leave Alert: 12/23/24 and 12/26/24-12/27/24

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From: R5RSCC <R5RSCC@epa.gov>
Sent: Friday, December 20, 2024 4:07 PM
To: Zafar, Tasmia (NE) <Tasmia.Zafar@gdit.com>
Subject: RE: Region 05 | Case 51847 | Lab ACE | Issue Insufficient/inappropriate designation of laboratory QC

This Message Is From an External Sender

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

Good afternoon Tasmia,

Please have the lab proceed without lab QC.

Thanks,

Darcie D. Tone-Pah-Hote

Regional Sample Control Coordinator
LSASD-SQAB
U.S. EPA Region 5
77 W Jackson Blvd
Chicago, IL 60604
Cubicle #: 06078
Phone #: 312-886-4298

From: Zafar, Tasmia (NE) <Tasmia.Zafar@gdit.com>
Sent: Friday, December 20, 2024 11:53 AM
To: R5RSCC <R5RSCC@epa.gov>
Subject: Region 05 | Case 51847 | Lab ACE | Issue Insufficient/inappropriate designation of laboratory QC

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

Good afternoon,

Please advise on Issue 1 below as Issue 2 has been resolved through the SOW.

Issue 1: SDG E2927 requires Laboratory QC for water samples, but a sample was not designated on the COC. The laboratory would like to proceed without Laboratory QC to keep holding time.

Issue 2: SDG ME2927 requires Laboratory QC for water samples for ICP-MS, Hg, CN analysis, but a sample was not designated on the COC. The laboratory selected sample ME2928 for Laboratory QC and confirmed this sample is not a blank, rinsate or PT sample.
Resolution 2: Per SFAM01.1 Exhibit A, Section 5.5.4.1., the laboratory will note the issue in the SDG Narrative and proceed with the analysis of the samples.

Best Regards,
Tasmia Zafar
Associate Environmental Analyst
CLP QSS Coordinator – EPA Regions 5 & 6

T: (919) 768-4086
tasmia.zafar@gdit.com
15036 Conference Center Drive
Chantilly, VA 20151
www.gdit.com

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information technology

Leave Alert: 12/23/24 and 12/26/24-12/27/24

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From: Deepak Parmar <Deepak.Parmar@alliancetg.com>
Sent: Friday, December 20, 2024 12:23 PM
To: Zafar, Tasmia (NE) <Tasmia.Zafar@gdit.com>
Cc: Sohil Jodhani <Sohil.Jodhani@AllianceTG.com>
Subject: Region 05 | Case 51847 | Lab ACE | Issue Discrepancies with tags, jars, and/or COC/QC

This Message Is From an External Sender

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

Good afternoon,

Issue 1 : One SDG E2927 is open without lab QC for water sample. However, a sample was not designated for Laboratory QC.. The laboratory would like to proceed without Laboratory QC to keep holding time. Also, please confirm that the any SEDD defect associated to Lab QC will be considered Invalid.

Issue 2: Lab has open SDG ME2927 for water sample for ICP-MS,HG,CN without lab QC. However, a sample was not designated for Laboratory QC. Lab like to use samples ME2928 for Lab QC. these samples are not blanks, rinsates or PE samples.

Please see attachment for your reference.

Thanks & Regards,

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

From: Zafar, Tasmia (NE) <Tasmia.Zafar@gdit.com>
Sent: Thursday, December 19, 2024 2:29 PM
To: Deepak Parmar; Sohil Jodhani; Mohammad Ahmed
Cc: R5RSCC
Subject: Region 05 | Case 51847 | Lab ACE | Issue Discrepancies with tags, jars, and/or COC | FINAL
Attachments: SKM_95824121911301.pdf

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Secured by Check Point

Good afternoon,

Issue: The COC lists Hardness (MA 3114) analysis for inorganic samples, but this analysis is not scheduled for Case 51847.
Resolution: Per Region 5, the laboratory will note the issue in the SDG Narrative and disregard the request for Hardness (MA 3114) analysis.

Please note that the laboratory may contact the appropriate CLP PM should any defects need to be waived for this issue.

Best Regards,
Tasmia Zafar
Associate Environmental Analyst
CLP QSS Coordinator – EPA Regions 5 & 6

T: (919) 768-4086
tasmia.zafar@gdit.com
15036 Conference Center Drive
Chantilly, VA 20151
www.gdit.com

GENERAL DYNAMICS
information technology

Leave Alert: 12/23/24 and 12/26/24-12/27/24

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From: R5RSCC <R5RSCC@epa.gov>
Sent: Thursday, December 19, 2024 1:46 PM
To: Zafar, Tasmia (NE) <Tasmia.Zafar@gdit.com>
Subject: RE: Region 05 | Case 51847 | Lab ACE | Issue Discrepancies with tags, jars, and/or COC

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

Hi Tasmia,

The hardness request can be ignored. It is not needed.

Thanks,
Amanda

Amanda Wroble, Ph.D.
Metals Chemist & Regional Sample Control Coordinator (RSCC)/CRL Sample Coordinator
USEPA Region 5 LSASD/AIMB
Chicago Regional Laboratory
536 S. Clark St. LAB-10C, 10th Floor
Chicago, IL 60605
(312) 353-0375

From: Zafar, Tasmia (NE) <Tasmia.Zafar@gdit.com>
Sent: Thursday, December 19, 2024 11:42 AM
To: R5RSCC <R5RSCC@epa.gov>
Subject: Region 05 | Case 51847 | Lab ACE | Issue Discrepancies with tags, jars, and/or COC

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Good afternoon,

Please advise on the below issue.

Issue: The COC lists Hardness (MA 3114) analysis for inorganic samples, but this analysis is not scheduled for Case 51847.

Best Regards,
Tasmia Zafar
Associate Environmental Analyst
CLP QSS Coordinator – EPA Regions 5 & 6

T: (919) 768-4086
tasmia.zafar@gdit.com
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Chantilly, VA 20151
www.gdit.com

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From: Deepak Parmar <Deepak.Parmar@alliancetg.com>
Sent: Thursday, December 19, 2024 11:58 AM
To: Zafar, Tasmia (NE) <Tasmia.Zafar@gdit.com>
Cc: Sohil Jodhani <Sohil.Jodhani@AllianceTG.com>
Subject: Region 05 | Case 51847 | Lab ACE | Issue Discrepancies with tags, jars, and/or COC

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

Good morning,

Issue 1: As per ASR MA and Hardness is not schedule for this case however, analysis key mention MA and Hardness . The laboratory would like to know how to proceed ?

Please see attachment for your reference.

Thanks & Regards,

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

EPA SAMPLE NO.

ME2927

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51847 MA No. : SDG No.: ME2927

Matrix: Water Lab Sample ID: P5354-01

% Solids: Date Received: 12/19/2024

Analytical Method: ICP_MS

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

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	20	U	12/27/2024	2000
7440-36-0	Antimony	2.0	U	12/27/2024	2000
7440-38-2	Arsenic	1.0	U	12/27/2024	2000
7440-39-3	Barium	10	U	12/27/2024	2000
7440-41-7	Beryllium	1.0	U	12/27/2024	2000
7440-43-9	Cadmium	1.0	U	12/27/2024	2000
7440-70-2	Calcium	21	J	12/27/2024	2000
7440-47-3	Chromium	2.0	U	12/27/2024	2000
7440-48-4	Cobalt	1.0	U	12/27/2024	2000
7440-50-8	Copper	0.26	J	12/27/2024	2000
7439-89-6	Iron	200	U	12/27/2024	2000
7439-92-1	Lead	1.0	U	12/27/2024	2000
7439-95-4	Magnesium	500	U	12/27/2024	2000
7439-96-5	Manganese	0.70	J	12/27/2024	2000
7440-02-0	Nickel	1.0	U	12/27/2024	2000
7440-09-7	Potassium	500	U	12/27/2024	2000
7782-49-2	Selenium	5.0	U	12/27/2024	2000
7440-22-4	Silver	1.0	U	12/27/2024	2000
7440-23-5	Sodium	500	U	12/27/2024	2000
7440-28-0	Thallium	1.0	U	12/27/2024	2000
7440-62-2	Vanadium	5.0	U	12/27/2024	2000
7440-66-6	Zinc	5.0	U	12/27/2024	2000

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

Comments:

EPA SAMPLE NO.

ME2928

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51847 MA No. : SDG No.: ME2927

Matrix: Water Lab Sample ID: P5354-02

% Solids: Date Received: 12/19/2024

Analytical Method: ICP_MS

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

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	31		12/27/2024	1937
7440-36-0	Antimony	2.0	U	12/27/2024	1937
7440-38-2	Arsenic	1.0	U	12/27/2024	1937
7440-39-3	Barium	0.94	J	12/27/2024	1937
7440-41-7	Beryllium	1.0	U	12/27/2024	1937
7440-43-9	Cadmium	1.0	U	12/27/2024	1937
7440-70-2	Calcium	130	J	12/27/2024	1937
7440-47-3	Chromium	0.38	J	12/27/2024	1937
7440-48-4	Cobalt	1.0	U	12/27/2024	1937
7440-50-8	Copper	0.20	J	12/27/2024	1937
7439-89-6	Iron	54	J	12/27/2024	1937
7439-92-1	Lead	0.19	J	12/27/2024	1937
7439-95-4	Magnesium	26	J	12/27/2024	1937
7439-96-5	Manganese	2.4		12/27/2024	1937
7440-02-0	Nickel	1.0	U	12/27/2024	1937
7440-09-7	Potassium	500	U	12/27/2024	1937
7782-49-2	Selenium	5.0	U	12/27/2024	1937
7440-22-4	Silver	1.0	U	12/27/2024	1937
7440-23-5	Sodium	500	U	12/27/2024	1937
7440-28-0	Thallium	1.0	U	12/27/2024	1937
7440-62-2	Vanadium	0.10	J	12/27/2024	1937
7440-66-6	Zinc	2.7	J	12/27/2024	1937

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

Comments:

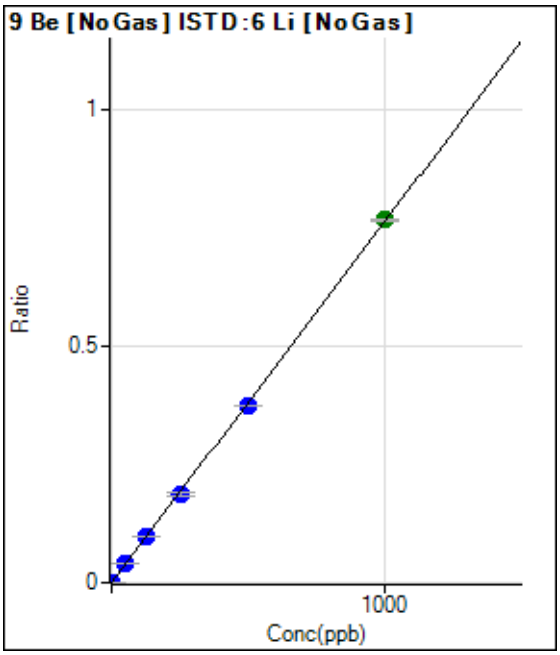
Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

Calibration for 007CALS.d

Batch Folder: D:\Agilent\ICPMH\1\DATA\P7122724 MS.b\
Analysis File: P7122724 MS.batch.bin
DA Date-Time: 2024-12-28 21:03:13
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	003CALB.d	S00	2024-12-27 14:36:11
2	005CALS.d	S01	2024-12-27 14:46:11
3	006CALS.d	S02	2024-12-27 14:49:33
4	007CALS.d	S03	2024-12-27 14:52:53
5	008CALS.d	S04	2024-12-27 14:55:56
6	009CALS.d	S05	2024-12-27 14:58:53
7	010CALS.d	S06	2024-12-27 15:01:40
8	011CALS.d	S07	2024-12-27 15:04:29
9	012CALS.d	S08	2024-12-27 15:07:16

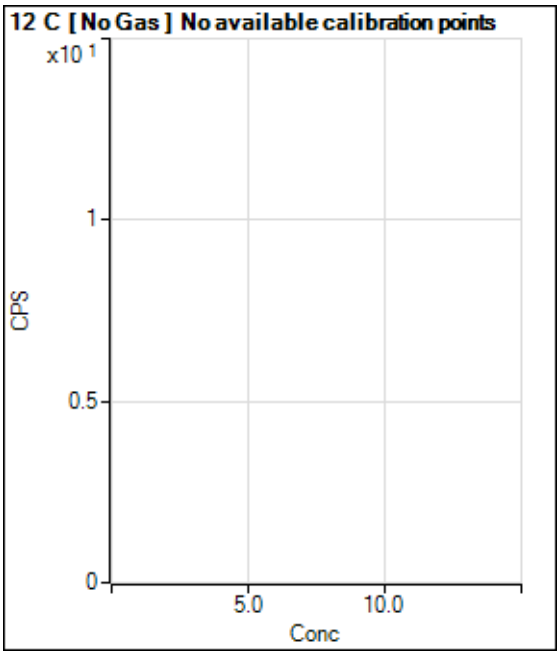
Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	70.00	0.0000	P	9.7
2	☐	0.100	0.125	257.78	0.0001	P	10.2
3	☐	1.000	1.120	1787.90	0.0009	P	3.1
4	☐	50.000	53.826	83608.77	0.0411	P	0.9
5	☐	125.000	128.660	195932.82	0.0982	P	0.7
6	☐	250.000	246.394	377837.92	0.1881	P	4.0
7	☐	500.000	490.076	719959.30	0.3740	P	0.8
8	☐	1000.000	1005.215	1462889.36	0.7672	A	0.9
9	☐			517.79	0.0003	P	8.1

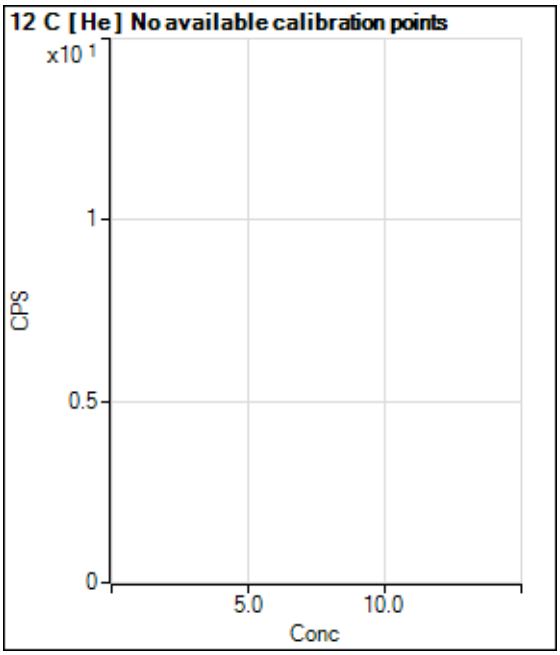
y = 7.6314E-004 * x + 3.5823E-005
R = 0.9999
DL = 0.01364
BEC = 0.04694

Weight: <None>
Min Conc: 0

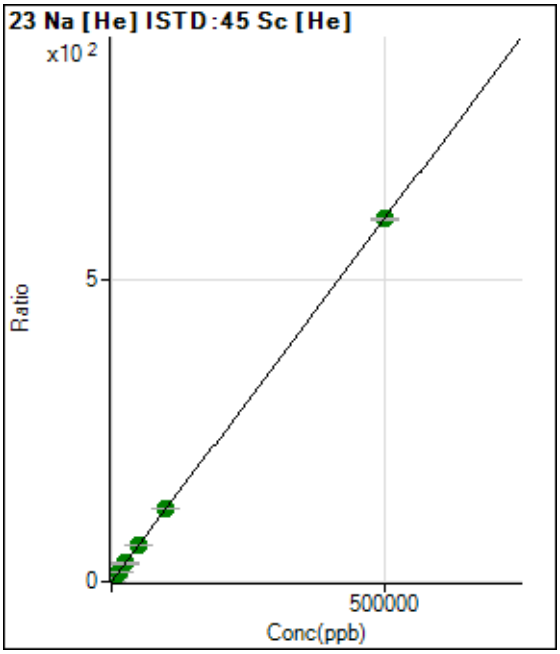


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
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Reviewed By:Mohan
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
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2	☐						
3	☐						
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9	☐						

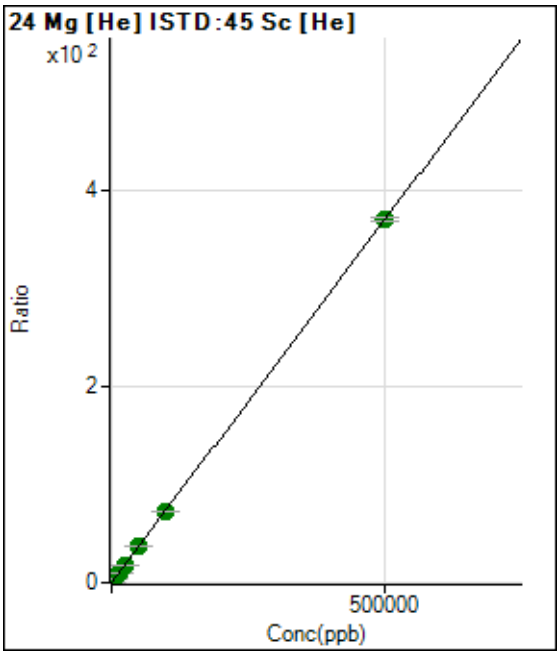


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	19727.18	0.0306	P	1.0
2	☐	50.000	49.073	59310.36	0.0895	P	1.0
3	☐	500.000	494.691	413279.69	0.6249	P	1.4
4	☐	5000.000	5255.212	4004839.25	6.3448	A	0.6
5	☐	12500.000	12466.416	8881728.97	15.0092	A	0.2
6	☐	25000.000	25184.091	16884720.30	30.2897	A	0.6
7	☐	50000.000	50452.889	32275264.79	60.6506	A	0.3
8	☐	100000.00	100151.82	64095066.27	120.3647	A	0.8
9	☐	500000.00	499913.43	337010199.42	600.6850	A	0.8

y = 0.0012 * x + 0.0306
R = 1.0000
DL = 0.7448
BEC = 25.43

Weight: <None>
Min Conc: 0

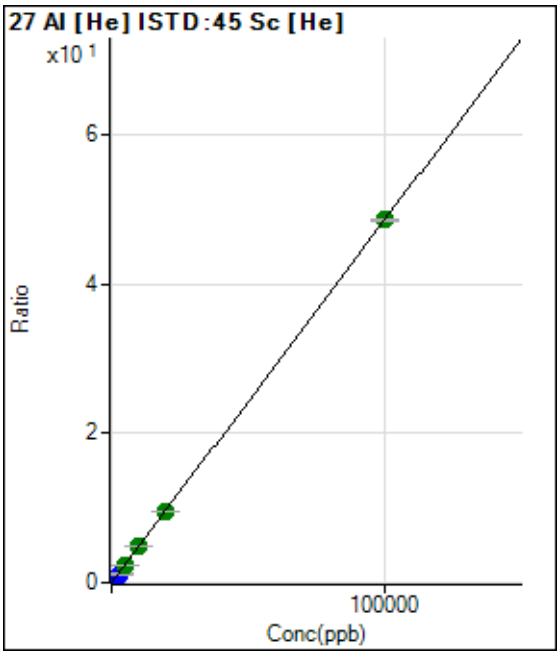
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
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2	☐	50.000	53.402	27107.25	0.0409	P	1.1
3	☐	500.000	533.822	261412.79	0.3953	P	1.5
4	☐	5000.000	5243.407	2442327.50	3.8693	A	0.3
5	☐	12500.000	12416.580	5420786.31	9.1606	A	0.1
6	☐	25000.000	25008.433	10284204.08	18.4489	A	0.5
7	☐	50000.000	50044.805	19645573.87	36.9169	A	0.5
8	☐	100000.00	98391.376	38649455.54	72.5796	A	0.7
9	☐	500000.00	500316.44	207055096.92	369.0582	A	0.9

y = 7.3765E-004 * x + 0.0015
R = 1.0000
DL = 0.4942
BEC = 2.063

Weight: <None>
Min Conc: 0

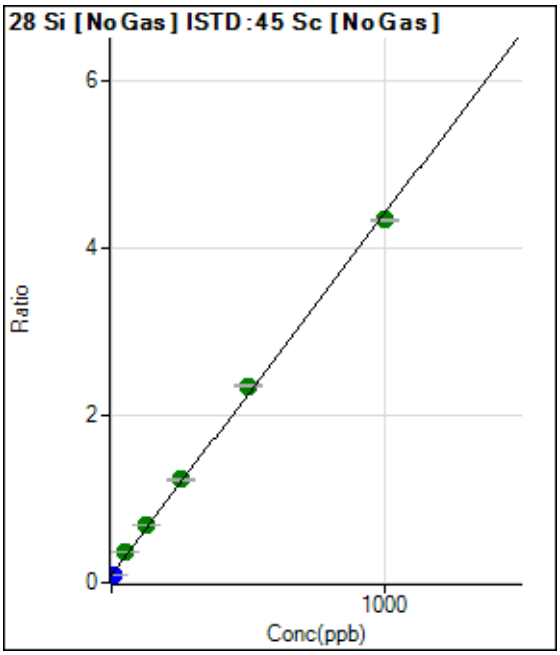


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3	☐	20.000	19.729	6441.40	0.0097	P	1.8
4	☐	1000.000	989.508	303664.81	0.4811	P	0.1
5	☐	2500.000	2379.562	684475.64	1.1567	P	0.9
6	☐	5000.000	4960.091	1344006.90	2.4109	A	1.5
7	☐	10000.000	10004.926	2587792.20	4.8628	A	0.9
8	☐	20000.000	19502.325	5047693.19	9.4788	A	0.5
9	☐	100000.00	100104.15	27296714.31	48.6534	A	0.6

y = 4.8603E-004 * x + 1.5151E-004
R = 1.0000
DL = 0.07993
BEC = 0.3117

Weight: <None>
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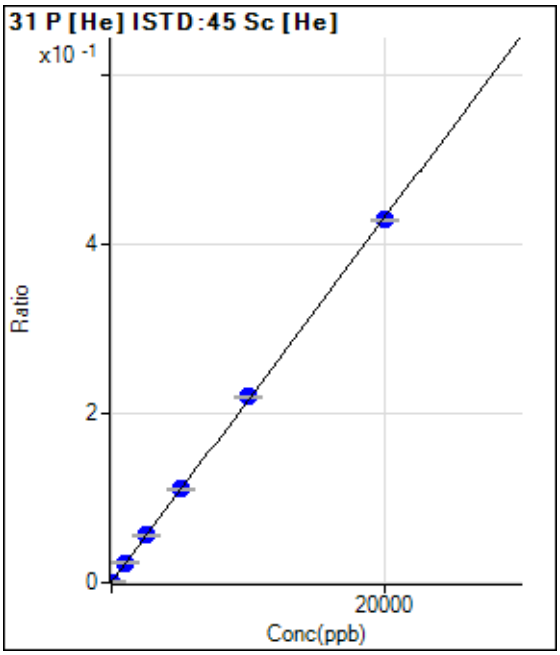
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	671428.24	0.0950	P	0.9
2	☐	1.000	0.703	701235.96	0.0981	P	4.5
3	☐	10.000	1.152	732185.64	0.1000	P	0.5
4	☐	50.000	63.192	2641180.28	0.3679	A	1.2
5	☐	125.000	139.417	4727784.90	0.6970	A	0.9
6	☐	250.000	264.503	8126871.61	1.2371	A	2.1
7	☐	500.000	522.720	14546371.59	2.3520	A	1.0
8	☐	1000.000	982.641	26341452.94	4.3378	A	0.4
9	☐			549482.46	0.0893	P	1.8

y = 0.0043 * x + 0.0950
R = 0.9993
DL = 0.6011
BEC = 22.01

Weight: <None>
Min Conc: 0

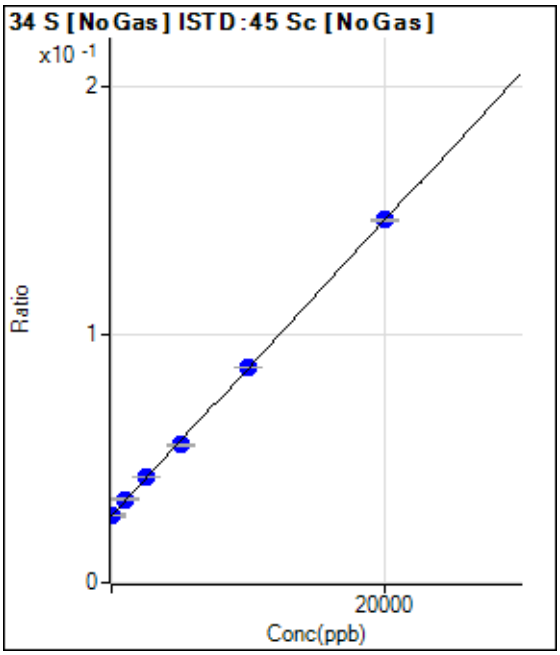


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
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2	☐	0.000	-11.168	220.00	0.0003	P	6.6
3	☐	0.000	25.444	741.14	0.0011	P	8.3
4	☐	1000.000	1075.103	14986.32	0.0237	P	1.9
5	☐	2500.000	2568.896	33100.23	0.0559	P	2.0
6	☐	5000.000	5098.091	61564.18	0.1104	P	2.2
7	☐	10000.000	10159.202	116817.96	0.2195	P	0.8
8	☐	20000.000	19883.509	228495.47	0.4291	P	0.4
9	☐			294.45	0.0005	P	6.9

y = 2.1551E-005 * x + 5.7274E-004
R = 0.9999
DL = 6.938
BEC = 26.58

Weight: <None>
Min Conc: 0

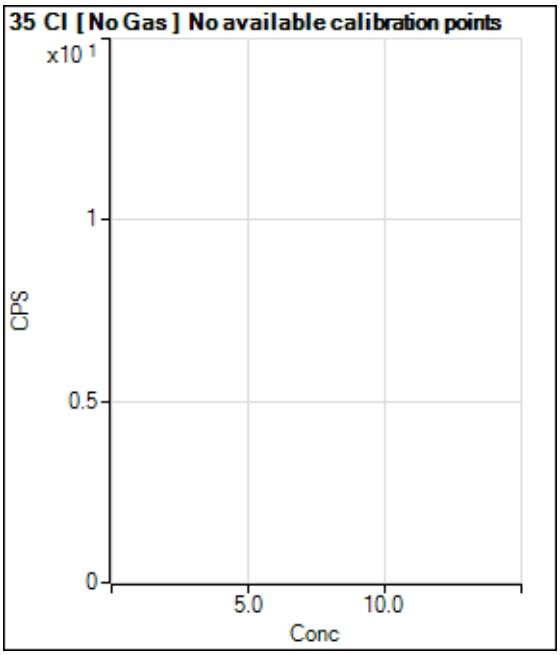
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Inst Id :P7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
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2	☐	0.000	-0.606	193323.98	0.0270	P	4.1
3	☐	0.000	17.944	198712.04	0.0271	P	1.8
4	☐	1000.000	1097.864	241094.77	0.0336	P	1.2
5	☐	2500.000	2591.925	288211.91	0.0425	P	0.1
6	☐	5000.000	4791.041	365280.48	0.0556	P	1.6
7	☐	10000.000	10012.065	536371.07	0.0867	P	0.1
8	☐	20000.000	20029.824	889326.48	0.1465	P	0.4
9	☐			156533.29	0.0254	P	3.7

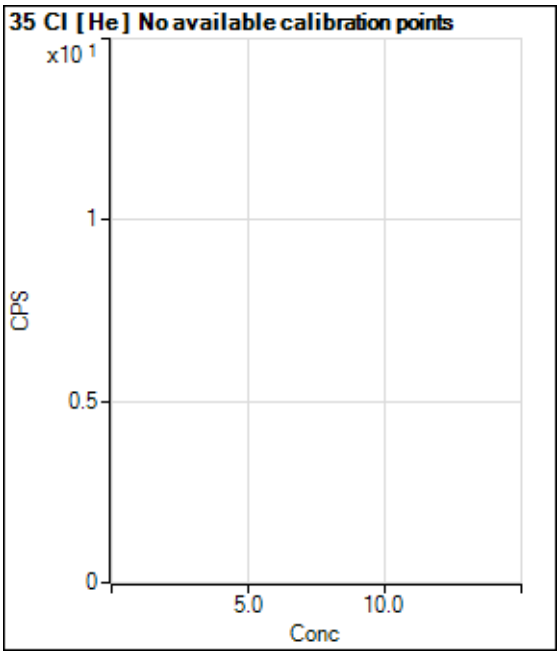
y = 5.9621E-006 * x + 0.0270
R = 0.9999
DL = 295.1
BEC = 4534

Weight: <None>
Min Conc: 0

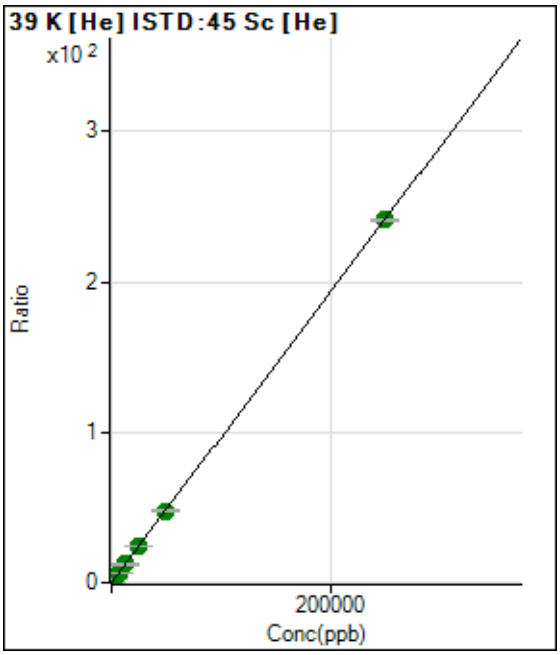


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
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9	☐						

Reviewed By:Mohan
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐						
2	☐						
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9	☐						

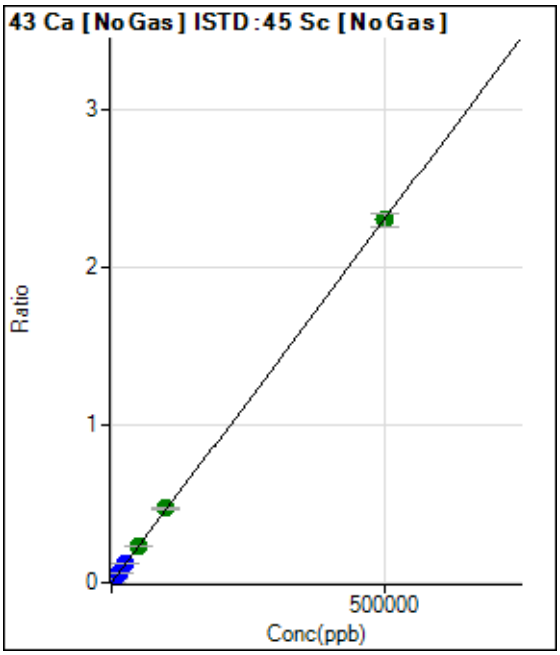


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	58032.30	0.0899	P	1.7
2	☐	50.000	54.164	94159.89	0.1421	P	0.6
3	☐	500.000	548.403	409097.28	0.6186	P	1.3
4	☐	2500.000	2645.931	1666855.34	2.6408	A	0.9
5	☐	6250.000	6269.920	3630180.01	6.1346	A	0.8
6	☐	12500.000	12534.651	6786804.41	12.1743	A	0.8
7	☐	25000.000	25162.824	12957340.36	24.3488	A	0.1
8	☐	50000.000	49462.550	25440310.73	47.7756	A	1.2
9	☐	250000.00	250087.42	135322059.09	241.1936	A	0.7

y = 9.6408E-004 * x + 0.0899
R = 1.0000
DL = 4.759
BEC = 93.25

Weight: <None>
Min Conc: 0

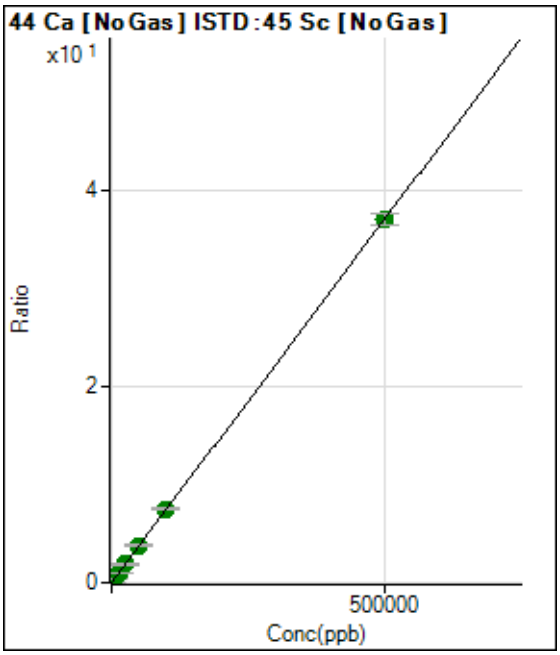
Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	214.45	0.0000	P	12.5
2	☐	50.000	58.169	2130.17	0.0003	P	5.5
3	☐	500.000	544.360	18556.97	0.0025	P	0.8
4	☐	5000.000	5486.785	181413.44	0.0253	P	2.0
5	☐	12500.000	13191.767	411813.06	0.0607	P	0.9
6	☐	25000.000	25753.582	778443.93	0.1185	P	2.4
7	☐	50000.000	51301.240	1459687.17	0.2360	A	0.2
8	☐	100000.00	102320.73	2858378.33	0.4707	A	0.9
9	☐	500000.00	499345.84	14133703.95	2.2971	A	3.7

y = 4.6002E-006 * x + 3.0339E-005
R = 1.0000
DL = 2.472
BEC = 6.595

Weight: <None>
Min Conc: 0

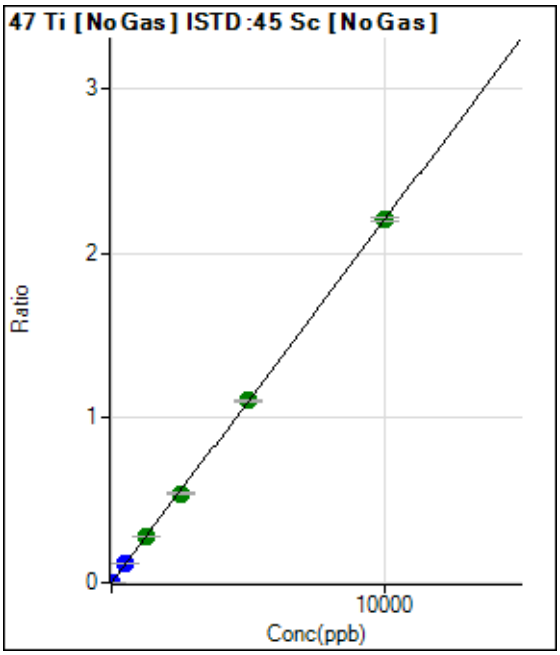


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	6617.06	0.0009	P	1.4
2	☐	50.000	58.593	37677.79	0.0053	P	4.6
3	☐	500.000	556.661	308207.99	0.0421	P	1.5
4	☐	5000.000	5316.397	2829020.90	0.3940	A	1.2
5	☐	12500.000	12869.277	6461367.13	0.9525	A	0.6
6	☐	25000.000	25212.125	12252134.12	1.8652	A	2.5
7	☐	50000.000	51499.462	23555786.04	3.8089	A	0.5
8	☐	100000.00	101755.99	45694166.54	7.5250	A	0.4
9	☐	500000.00	499475.79	227254821.06	36.9331	A	3.2

y = 7.3942E-005 * x + 9.3648E-004
R = 1.0000
DL = 0.5379
BEC = 12.67

Weight: <None>
Min Conc: 0

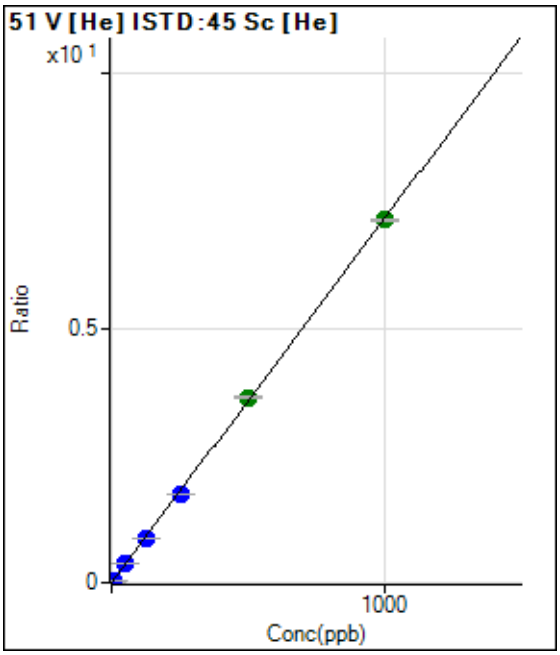
Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	66.67	0.0000	P	5.9
2	☐	0.500	0.565	955.60	0.0001	P	7.2
3	☐	5.000	5.290	8593.61	0.0012	P	0.6
4	☐	500.000	511.871	808868.89	0.1127	P	1.3
5	☐	1250.000	1268.971	1894456.19	0.2793	A	1.1
6	☐	2500.000	2450.803	3542930.29	0.5394	A	3.1
7	☐	5000.000	5019.615	6832173.23	1.1047	A	0.7
8	☐	10000.000	9999.527	13363758.13	2.2007	A	1.0
9	☐			2585.81	0.0004	P	17.1

y = 2.2008E-004 * x + 9.4383E-006
R = 1.0000
DL = 0.007631
BEC = 0.04288

Weight: <None>
Min Conc: 0

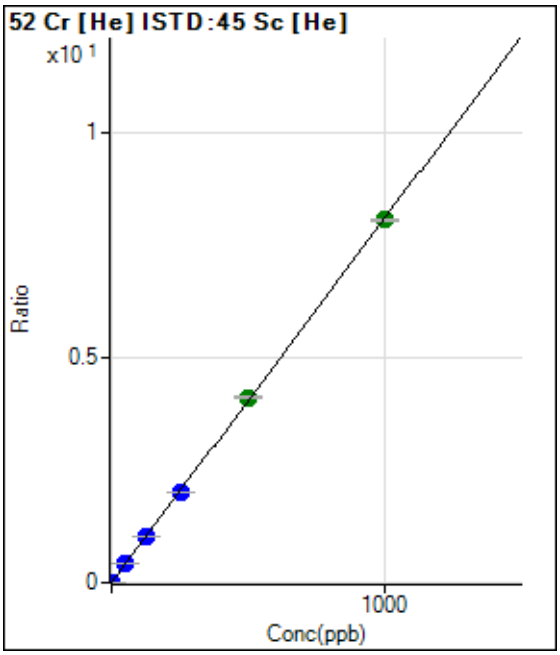


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	31.11	0.0000	P	21.9
2	☐	0.500	0.531	2546.90	0.0038	P	4.3
3	☐	5.000	5.438	25763.12	0.0390	P	0.6
4	☐	50.000	51.556	232869.24	0.3689	P	0.3
5	☐	125.000	123.471	522785.72	0.8834	P	0.6
6	☐	250.000	244.895	976760.47	1.7522	P	0.3
7	☐	500.000	509.558	1940071.29	3.6458	A	1.1
8	☐	1000.000	996.608	3797036.47	7.1305	A	0.8
9	☐			894.48	0.0016	P	10.4

y = 0.0072 * x + 4.8165E-005
R = 0.9999
DL = 0.004432
BEC = 0.006732

Weight: <None>
Min Conc: 0

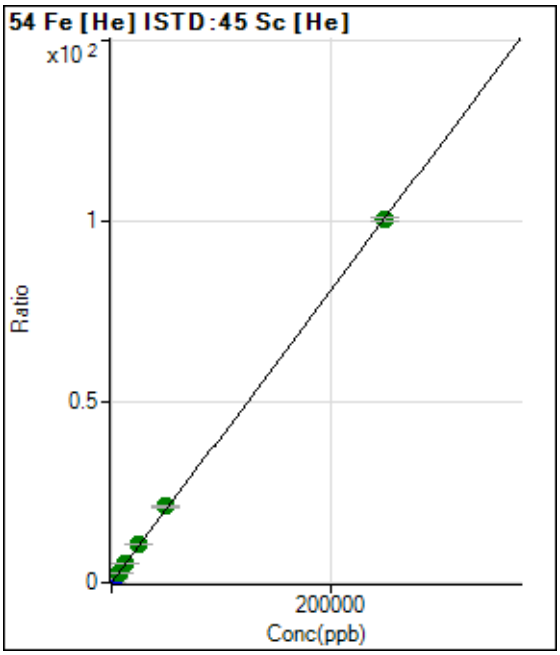
Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2269.08	0.0035	P	3.6
2	☐	0.200	0.194	3370.41	0.0051	P	1.7
3	☐	2.000	2.130	13721.90	0.0208	P	2.7
4	☐	50.000	51.816	266903.43	0.4228	P	0.3
5	☐	125.000	124.182	596774.68	1.0085	P	0.7
6	☐	250.000	245.917	1111345.51	1.9936	P	0.4
7	☐	500.000	509.231	2194886.46	4.1246	A	0.3
8	☐	1000.000	996.417	4295889.31	8.0672	A	0.8
9	☐			7299.67	0.0130	P	3.3

y = 0.0081 * x + 0.0035
R = 0.9999
DL = 0.04646
BEC = 0.4343

Weight: <None>
Min Conc: 0

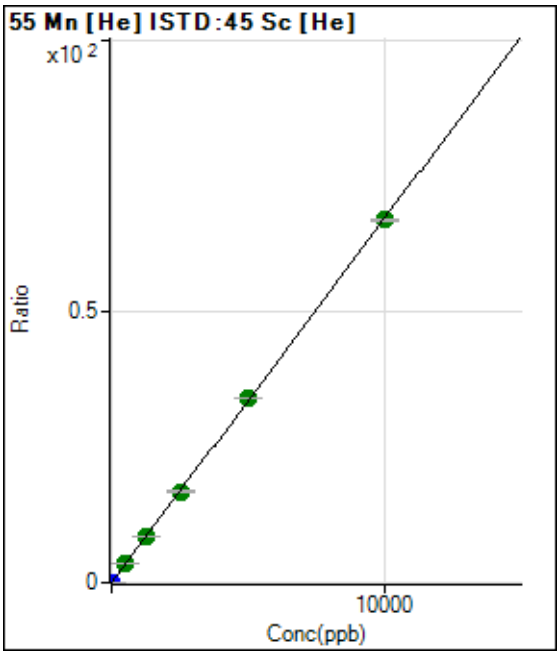


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2790.29	0.0043	P	2.6
2	☐	5.000	5.966	4457.37	0.0067	P	2.3
3	☐	50.000	58.591	18480.31	0.0279	P	1.2
4	☐	2500.000	2800.161	715313.99	1.1333	P	0.3
5	☐	6250.000	6665.574	1592795.39	2.6917	A	0.2
6	☐	12500.000	13271.330	2985170.86	5.3549	A	0.7
7	☐	25000.000	26631.449	5715949.98	10.7412	A	0.2
8	☐	50000.000	52305.301	11231767.89	21.0921	A	0.6
9	☐	250000.00	249323.83	56397190.83	100.5234	A	1.1

y = 4.0317E-004 * x + 0.0043
R = 0.9999
DL = 0.8355
BEC = 10.72

Weight: <None>
Min Conc: 0

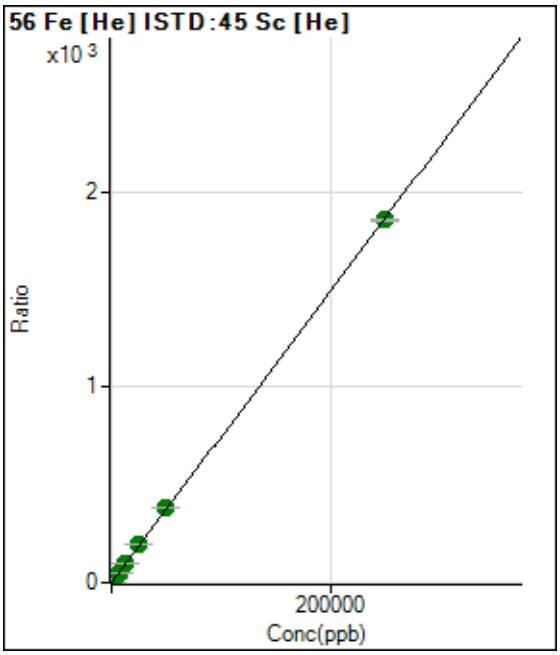
Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	298.90	0.0005	P	4.2
2	☐	0.100	0.103	766.69	0.0012	P	6.9
3	☐	1.000	1.026	4860.84	0.0073	P	1.6
4	☐	500.000	524.580	2222992.42	3.5218	A	0.7
5	☐	1250.000	1250.241	4966512.49	8.3929	A	0.3
6	☐	2500.000	2499.680	9353947.84	16.7799	A	0.8
7	☐	5000.000	5075.549	18130753.06	34.0708	A	0.2
8	☐	10000.000	9961.046	35606662.52	66.8654	A	0.6
9	☐			17778.39	0.0317	P	2.1

y = 0.0067 * x + 4.6304E-004
R = 1.0000
DL = 0.008717
BEC = 0.06898

Weight: <None>
Min Conc: 0

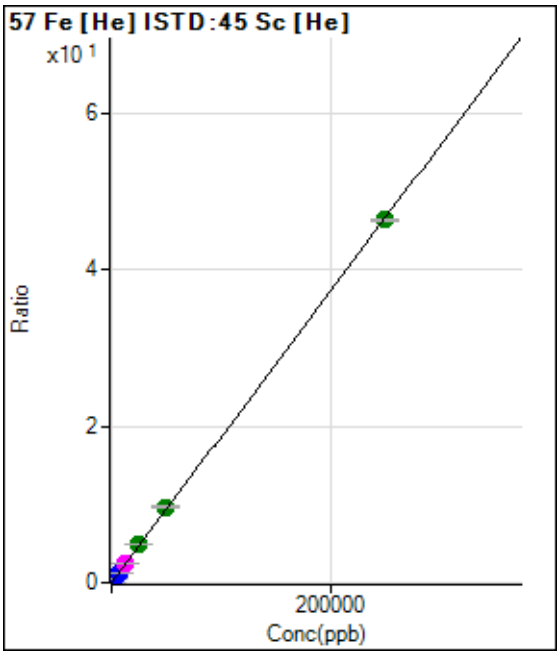


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	22232.51	0.0344	P	4.3
2	☐	5.000	5.397	49426.42	0.0746	P	1.0
3	☐	50.000	56.839	302444.68	0.4573	P	0.8
4	☐	2500.000	2738.558	12882686.06	20.4092	A	0.5
5	☐	6250.000	6539.674	28812218.46	48.6893	A	0.8
6	☐	12500.000	13053.310	54155524.75	97.1505	A	0.8
7	☐	25000.000	26397.411	104530290.66	196.4300	A	0.2
8	☐	50000.000	51639.044	204605159.17	384.2266	A	0.6
9	☐	250000.00	249495.15	1041461495.5	1,856.266	A	0.5

y = 0.0074 * x + 0.0344
R = 1.0000
DL = 0.5975
BEC = 4.63

Weight: <None>
Min Conc: 0

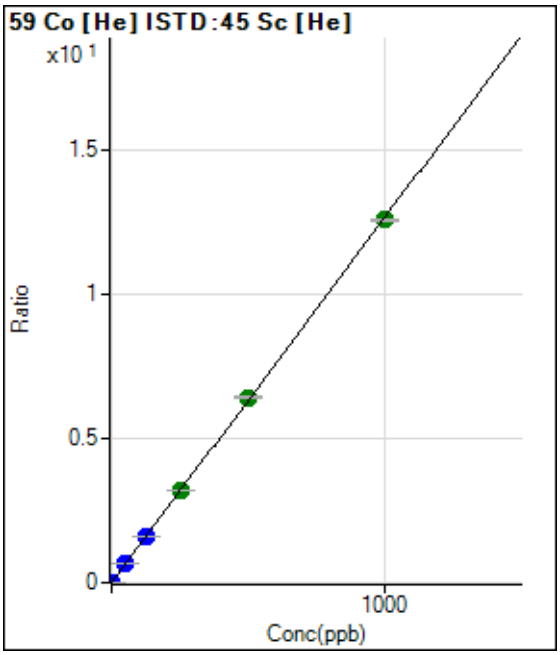
Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1251.18	0.0019	P	9.0
2	☐	5.000	5.894	2011.27	0.0030	P	2.8
3	☐	50.000	59.629	8619.21	0.0130	P	1.9
4	☐	2500.000	2760.566	325415.88	0.5155	P	0.3
5	☐	6250.000	6630.302	731126.96	1.2355	P	0.7
6	☐	12500.000	13143.018	1364264.79	2.4472	M	1.0
7	☐	25000.000	26401.124	2614896.75	4.9139	A	1.4
8	☐	50000.000	52063.484	5159103.78	9.6885	A	1.0
9	☐	250000.00	249402.92	26034667.94	46.4039	A	0.7

y = 1.8605E-004 * x + 0.0019
R = 1.0000
DL = 2.818
BEC = 10.42

Weight: <None>
Min Conc: 0

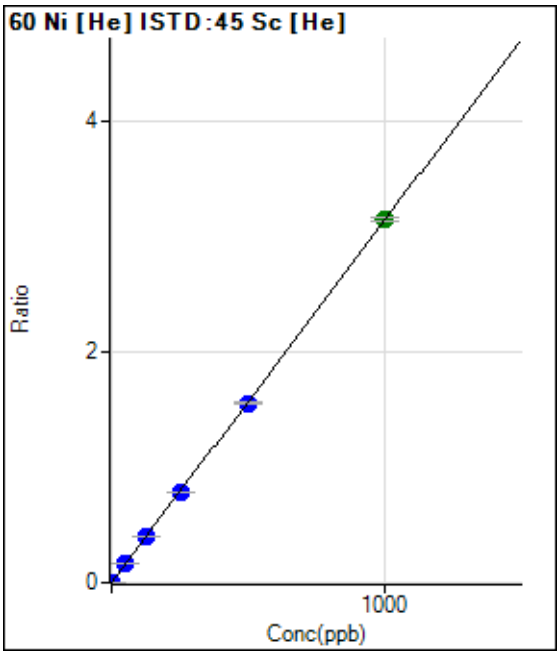


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	188.89	0.0003	P	5.9
2	☐	0.100	0.114	1148.94	0.0017	P	5.1
3	☐	1.000	1.109	9478.62	0.0143	P	1.6
4	☐	50.000	52.047	416179.81	0.6593	P	0.2
5	☐	125.000	124.928	936261.50	1.5822	P	0.5
6	☐	250.000	253.930	1792536.28	3.2157	A	0.6
7	☐	500.000	508.380	3425744.18	6.4376	A	0.4
8	☐	1000.000	994.734	6707673.93	12.5960	A	0.2
9	☐			18787.40	0.0335	P	1.1

y = 0.0127 * x + 2.9251E-004
R = 0.9999
DL = 0.004093
BEC = 0.0231

Weight: <None>
Min Conc: 0

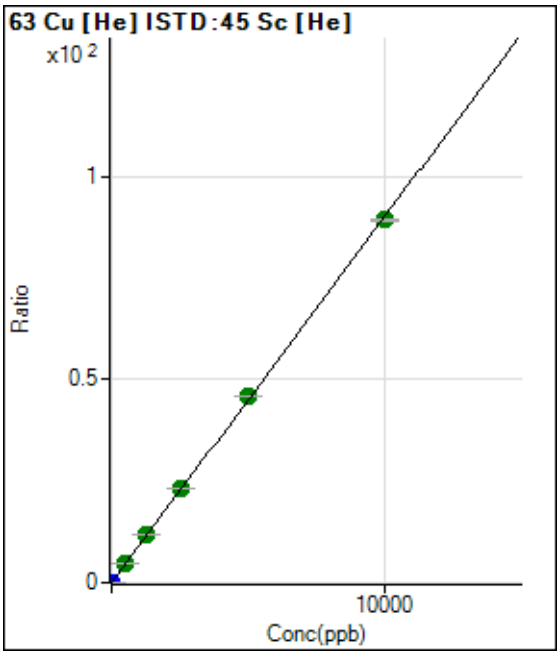
Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	703.36	0.0011	P	3.5
2	☐	0.100	0.103	935.59	0.0014	P	7.0
3	☐	1.000	1.076	2958.09	0.0045	P	4.7
4	☐	50.000	53.742	107335.90	0.1700	P	0.3
5	☐	125.000	126.674	236310.45	0.3993	P	1.1
6	☐	250.000	250.143	438999.26	0.7875	P	0.2
7	☐	500.000	495.761	829990.76	1.5597	P	0.6
8	☐	1000.000	1001.688	1677536.08	3.1503	A	1.0
9	☐			8526.93	0.0152	P	2.9

y = 0.0031 * x + 0.0011
R = 1.0000
DL = 0.03677
BEC = 0.3465

Weight: <None>
Min Conc: 0

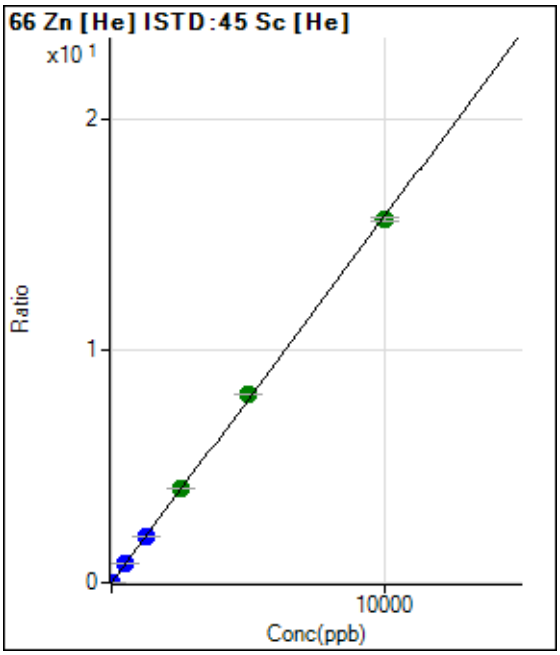


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1065.60	0.0017	P	4.9
2	☐	0.200	0.212	2357.99	0.0036	P	3.5
3	☐	2.000	2.057	13336.02	0.0202	P	2.1
4	☐	500.000	547.447	3112025.06	4.9300	A	0.9
5	☐	1250.000	1302.290	6938631.63	11.7254	A	1.1
6	☐	2500.000	2582.558	12961295.22	23.2510	A	0.2
7	☐	5000.000	5102.210	24443391.86	45.9340	A	0.9
8	☐	10000.000	9919.347	47553517.07	89.2999	A	0.5
9	☐			13069.13	0.0233	P	3.2

y = 0.0090 * x + 0.0017
R = 0.9999
DL = 0.0271
BEC = 0.1833

Weight: <None>
Min Conc: 0

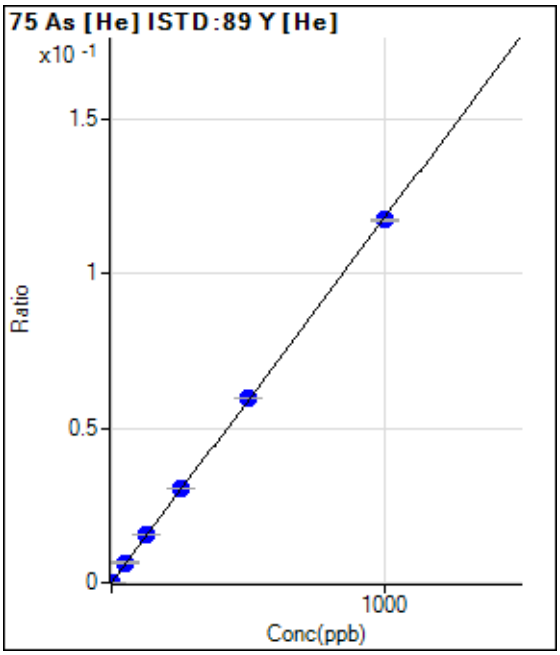
Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	140.00	0.0002	P	13.2
2	☐	0.500	0.574	743.36	0.0011	P	7.8
3	☐	5.000	5.336	5710.04	0.0086	P	2.7
4	☐	500.000	528.518	526441.51	0.8340	P	0.4
5	☐	1250.000	1272.121	1187758.65	2.0072	P	0.7
6	☐	2500.000	2576.441	2266001.88	4.0649	A	0.8
7	☐	5000.000	5144.881	4319431.15	8.1170	A	0.5
8	☐	10000.000	9904.258	8320622.79	15.6257	A	1.2
9	☐			12421.90	0.0221	P	1.5

y = 0.0016 * x + 2.1697E-004
R = 0.9998
DL = 0.05436
BEC = 0.1375

Weight: <None>
Min Conc: 0

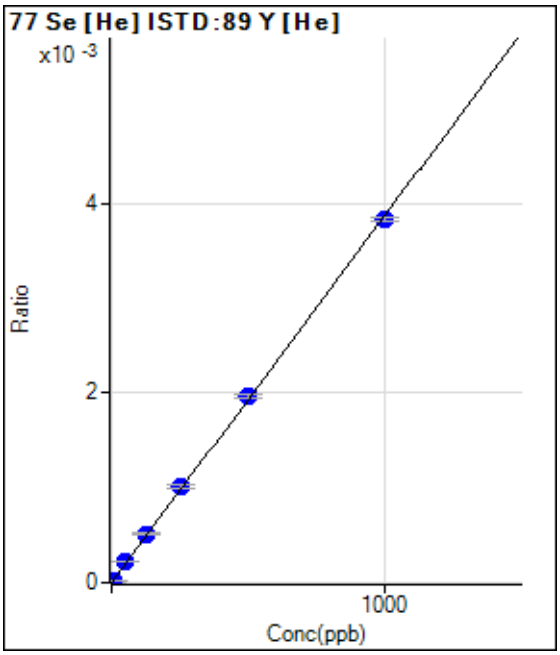


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	17.78	0.0000	P	38.2
2	☐	0.100	0.119	97.78	0.0000	P	17.7
3	☐	1.000	1.289	877.81	0.0002	P	9.8
4	☐	50.000	55.071	35509.08	0.0065	P	1.0
5	☐	125.000	130.570	80120.02	0.0154	P	0.7
6	☐	250.000	256.140	150999.93	0.0302	P	0.2
7	☐	500.000	505.745	288301.89	0.0596	P	0.4
8	☐	1000.000	994.642	567378.76	0.1172	P	0.8
9	☐			417.79	0.0001	P	14.5

y = 1.1787E-004 * x + 3.1965E-006
R = 0.9999
DL = 0.03112
BEC = 0.02712

Weight: <None>
Min Conc: 0

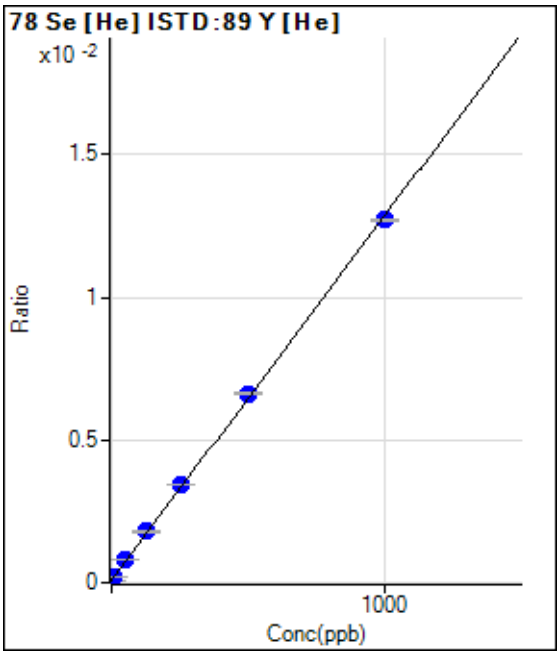
Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	0.00	0.0000	P	
2	☐	0.500	0.556	12.22	0.0000	P	63.1
3	☐	5.000	5.374	117.78	0.0000	P	20.2
4	☐	50.000	56.966	1204.51	0.0002	P	2.8
5	☐	125.000	132.175	2660.26	0.0005	P	2.8
6	☐	250.000	264.403	5113.15	0.0010	P	3.9
7	☐	500.000	510.585	9547.60	0.0020	P	1.9
8	☐	1000.000	989.859	18522.76	0.0038	P	1.2
9	☐			11.11	0.0000	P	18.4

y = 3.8668E-006 * x + 0.0000E+000
R = 0.9998
DL = 0
BEC = 0

Weight: <None>
Min Conc: 0

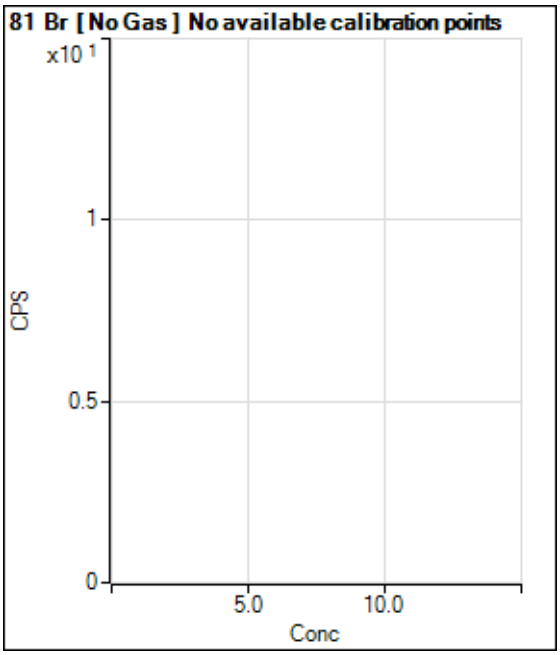


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	480.01	0.0001	P	6.0
2	☐	0.500	0.558	533.35	0.0001	P	9.2
3	☐	5.000	6.664	971.15	0.0002	P	3.4
4	☐	50.000	56.067	4386.25	0.0008	P	3.5
5	☐	125.000	133.522	9321.91	0.0018	P	2.7
6	☐	250.000	262.317	17178.96	0.0034	P	1.3
7	☐	500.000	512.337	32046.94	0.0066	P	1.3
8	☐	1000.000	989.375	61539.44	0.0127	P	0.3
9	☐			396.68	0.0001	P	6.2

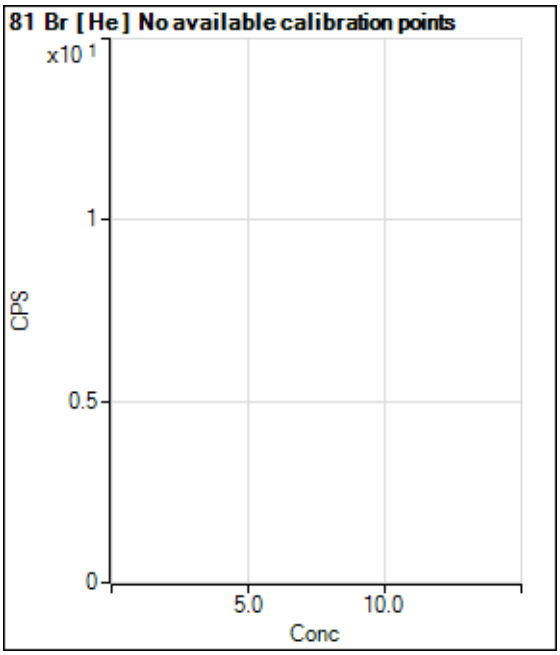
y = 1.2766E-005 * x + 8.6545E-005
R = 0.9998
DL = 1.227
BEC = 6.78

Weight: <None>
Min Conc: 0

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

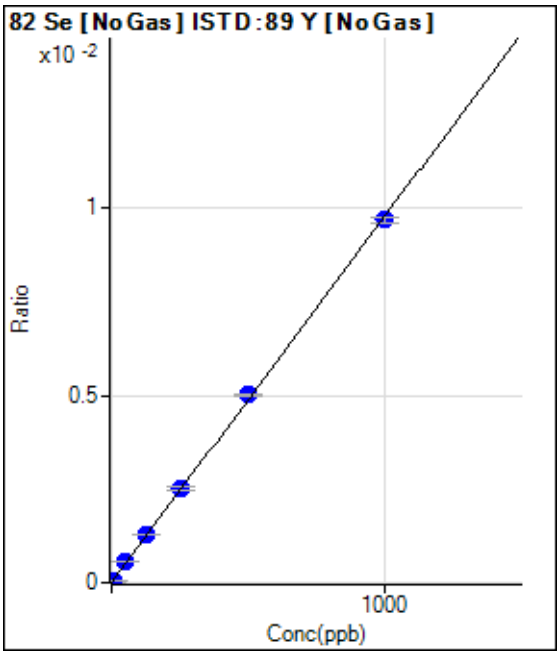


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			15062.23		P	1.6
2	☐			15345.84		P	1.6
3	☐			15670.65		P	1.7
4	☐			15181.25		P	0.5
5	☐			13928.90		P	1.5
6	☐			12653.29		P	2.7
7	☐			12188.50		P	2.8
8	☐			12041.66		P	3.3
9	☐			12793.40		P	2.1



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			215.56		P	9.4
2	☐			172.22		P	15.5
3	☐			181.11		P	6.5
4	☐			115.56		P	6.7
5	☐			146.67		P	12.7
6	☐			113.34		P	11.8
7	☐			105.56		P	6.6
8	☐			117.78		P	18.4
9	☐			150.00		P	6.7

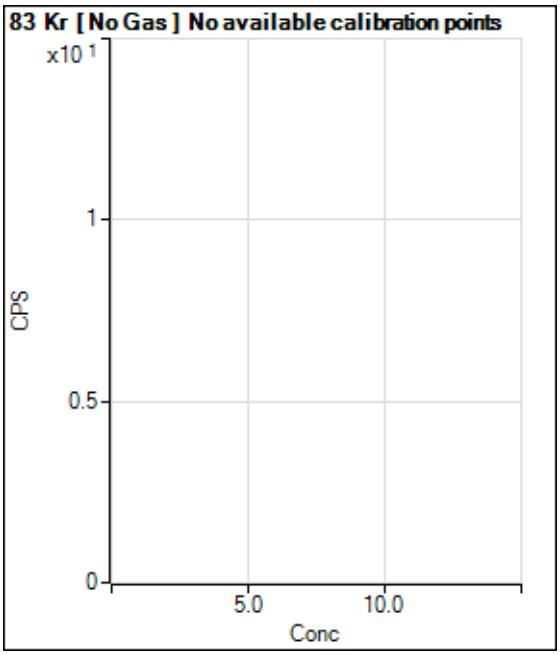
Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	128.11	0.0000	P	34.4
2	☐	0.500	0.495	225.03	0.0000	P	16.6
3	☐	5.000	5.531	1206.07	0.0001	P	2.4
4	☐	50.000	55.587	10741.72	0.0005	P	1.6
5	☐	125.000	130.733	24327.75	0.0013	P	1.0
6	☐	250.000	256.833	46607.64	0.0025	P	2.3
7	☐	500.000	512.033	88660.58	0.0050	P	0.6
8	☐	1000.000	991.276	170051.01	0.0097	P	1.4
9	☐			330.86	0.0000	P	11.7

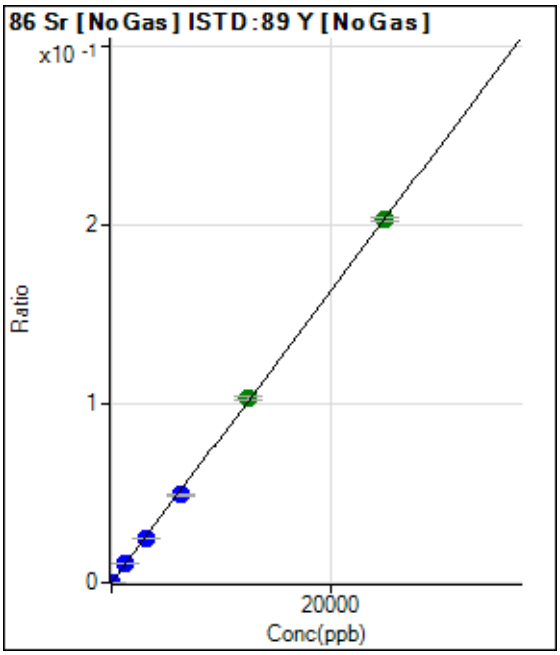
y = 9.7592E-006 * x + 6.6943E-006
R = 0.9999
DL = 0.707
BEC = 0.6859

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			223.34		P	10.8
2	☐			222.23		P	18.9
3	☐			204.45		P	7.5
4	☐			206.67		P	4.8
5	☐			201.12		P	7.8
6	☐			193.34		P	18.6
7	☐			208.89		P	6.0
8	☐			201.11		P	4.2
9	☐			187.78		P	12.1

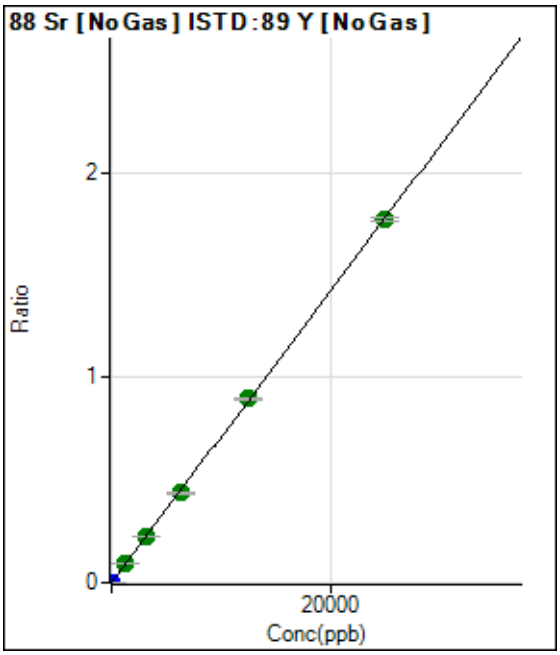
Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	338.90	0.0000	P	4.0
2	☐	0.100	2.759	781.14	0.0000	P	7.2
3	☐	1.000	26.769	4671.90	0.0002	P	3.3
4	☐	1250.000	1281.439	203841.85	0.0104	P	0.5
5	☐	3125.000	3079.156	474498.56	0.0250	P	1.3
6	☐	6250.000	6033.531	908725.79	0.0490	P	2.5
7	☐	12500.000	12682.843	1824843.76	0.1030	A	1.7
8	☐	25000.000	24966.853	3560924.22	0.2027	A	1.0
9	☐			10625.02	0.0006	P	3.2

y = 8.1187E-006 * x + 1.7704E-005
R = 0.9999
DL = 0.2636
BEC = 2.181

Weight: <None>
Min Conc: 0

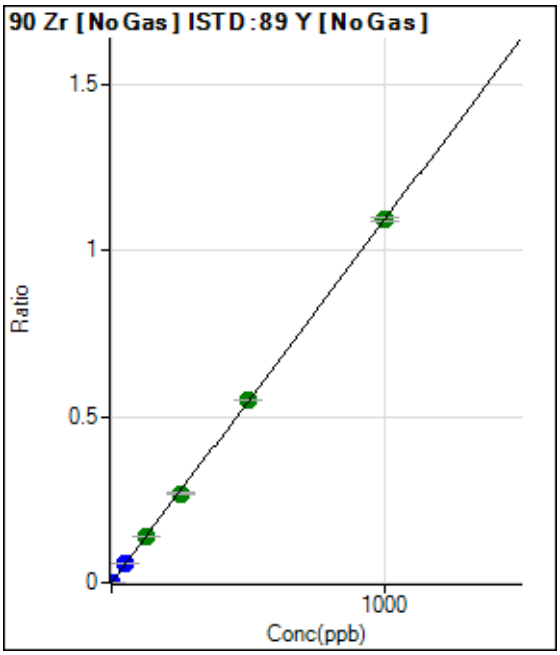


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	172.23	0.0000	P	6.0
2	☐	0.100	2.700	3909.44	0.0002	P	4.1
3	☐	1.000	26.423	37441.99	0.0019	P	0.8
4	☐	1250.000	1324.294	1837975.23	0.0940	A	0.6
5	☐	3125.000	3162.338	4255951.60	0.2244	A	0.1
6	☐	6250.000	6206.273	8166355.02	0.4403	A	2.1
7	☐	12500.000	12625.745	15872532.68	0.8958	A	0.3
8	☐	25000.000	24939.676	31082017.87	1.7694	A	1.2
9	☐			90339.52	0.0052	P	0.6

y = 7.0949E-005 * x + 8.9976E-006
R = 1.0000
DL = 0.02283
BEC = 0.1268

Weight: <None>
Min Conc: 0

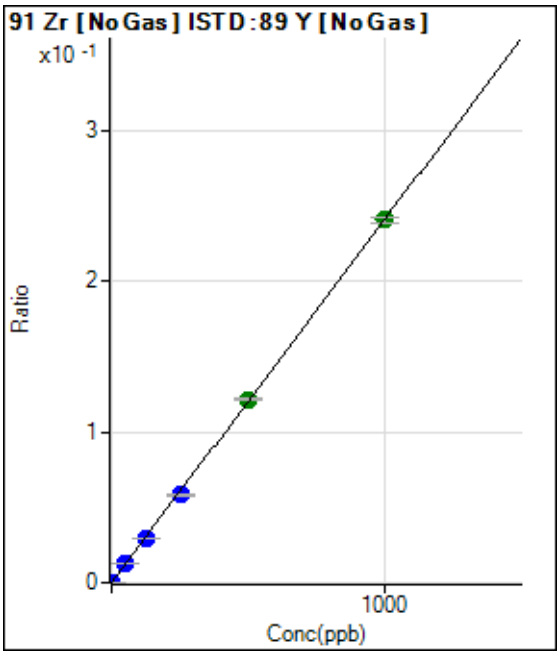
Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	760.03	0.0000	P	2.5
2	☐	0.100	0.099	2881.42	0.0001	P	4.5
3	☐	1.000	1.006	22633.09	0.0011	P	1.4
4	☐	50.000	50.913	1088818.01	0.0557	P	0.4
5	☐	125.000	126.609	2624576.38	0.1384	A	0.5
6	☐	250.000	245.835	4982031.39	0.2686	A	2.0
7	☐	500.000	501.586	9710805.20	0.5480	A	0.3
8	☐	1000.000	1000.001	19192261.24	1.0926	A	1.2
9	☐			13167.14	0.0008	P	4.6

y = 0.0011 * x + 3.9703E-005
R = 1.0000
DL = 0.002694
BEC = 0.03634

Weight: <None>
Min Conc: 0

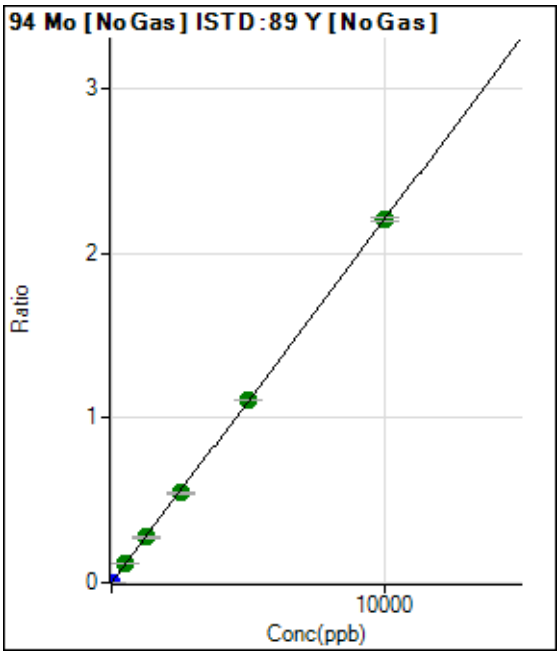


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	126.67	0.0000	P	24.9
2	☐	0.100	0.096	581.13	0.0000	P	2.0
3	☐	1.000	1.022	5018.68	0.0003	P	5.4
4	☐	50.000	51.268	241492.26	0.0123	P	0.7
5	☐	125.000	122.685	560223.44	0.0295	P	0.7
6	☐	250.000	242.099	1080634.37	0.0583	P	3.1
7	☐	500.000	504.722	2152566.90	0.1215	A	1.5
8	☐	1000.000	999.840	4227267.54	0.2407	A	1.7
9	☐			2791.40	0.0002	P	5.2

y = 2.4069E-004 * x + 6.6150E-006
R = 0.9999
DL = 0.02055
BEC = 0.02748

Weight: <None>
Min Conc: 0

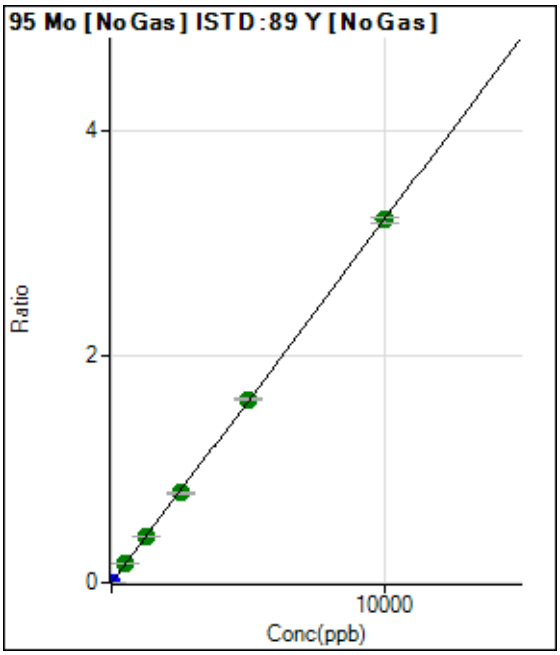
Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	390.01	0.0000	P	15.3
2	☐	0.500	0.609	3015.89	0.0002	P	6.1
3	☐	5.000	6.149	27363.36	0.0014	P	3.7
4	☐	500.000	523.991	2261657.52	0.1156	A	0.9
5	☐	1250.000	1254.806	5251022.63	0.2769	A	2.3
6	☐	2500.000	2473.846	10123121.65	0.5458	A	1.3
7	☐	5000.000	5027.129	19651728.74	1.1091	A	0.3
8	☐	10000.000	9991.173	38720346.92	2.2042	A	0.9
9	☐			12097.38	0.0007	P	11.9

y = 2.2062E-004 * x + 2.0369E-005
R = 1.0000
DL = 0.04246
BEC = 0.09233

Weight: <None>
Min Conc: 0

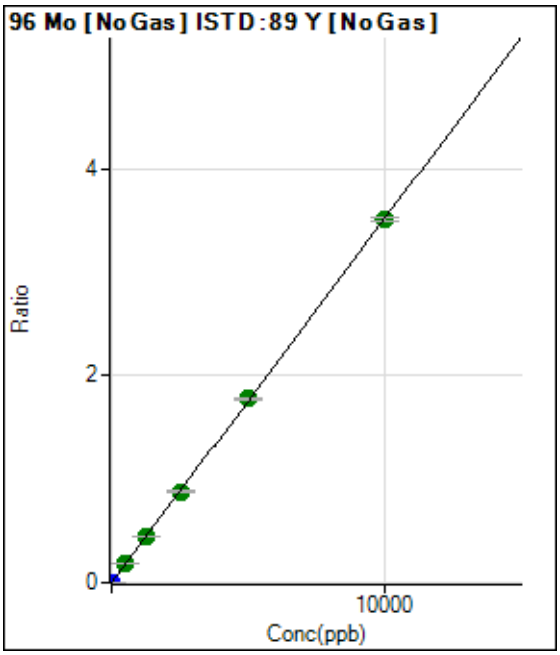


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	318.90	0.0000	P	1.3
2	☐	0.500	0.525	3606.03	0.0002	P	4.5
3	☐	5.000	5.226	33675.34	0.0017	P	0.7
4	☐	500.000	524.469	3293095.16	0.1684	A	0.9
5	☐	1250.000	1258.452	7661587.39	0.4039	A	2.2
6	☐	2500.000	2472.500	14716919.36	0.7936	A	2.7
7	☐	5000.000	5036.321	28642513.46	1.6165	A	0.8
8	☐	10000.000	9986.434	56303797.49	3.2053	A	1.5
9	☐			12276.48	0.0007	P	18.0

y = 3.2097E-004 * x + 1.6659E-005
R = 1.0000
DL = 0.002052
BEC = 0.0519

Weight: <None>
Min Conc: 0

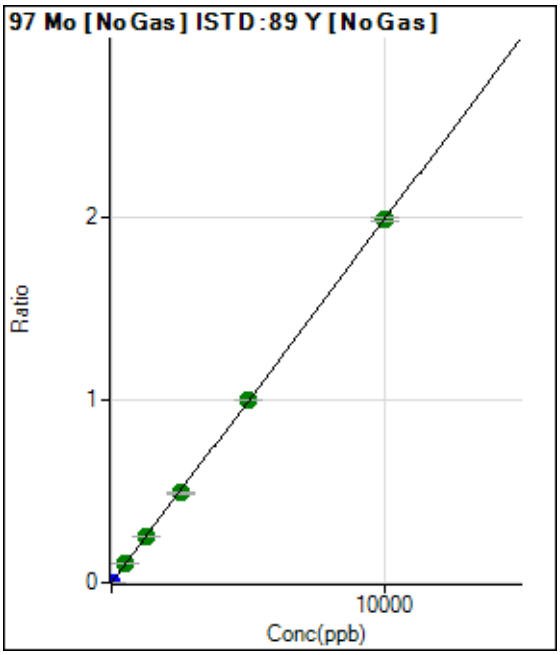
Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	337.79	0.0000	P	6.3
2	☐	0.500	0.543	4060.61	0.0002	P	3.0
3	☐	5.000	5.298	37348.67	0.0019	P	0.5
4	☐	500.000	523.928	3600655.95	0.1841	A	0.1
5	☐	1250.000	1262.685	8414235.43	0.4436	A	1.2
6	☐	2500.000	2491.000	16229252.26	0.8751	A	2.5
7	☐	5000.000	5052.181	31448899.53	1.7749	A	0.8
8	☐	10000.000	9973.377	61547509.08	3.5038	A	1.1
9	☐			22724.62	0.0013	P	10.3

y = 3.5131E-004 * x + 1.7649E-005
R = 1.0000
DL = 0.009566
BEC = 0.05024

Weight: <None>
Min Conc: 0

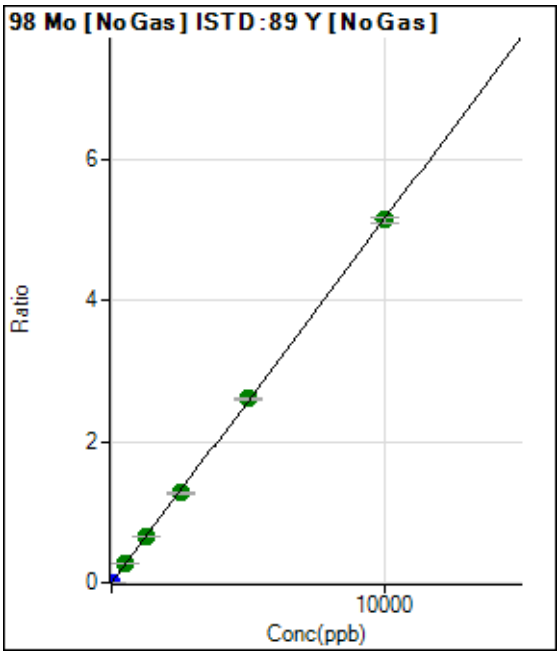


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	170.00	0.0000	P	9.4
2	☐	0.500	0.537	2255.76	0.0001	P	8.4
3	☐	5.000	5.284	21093.05	0.0011	P	0.5
4	☐	500.000	529.357	2061978.77	0.1054	A	1.0
5	☐	1250.000	1263.312	4771668.61	0.2516	A	1.5
6	☐	2500.000	2480.353	9159854.38	0.4939	A	2.3
7	☐	5000.000	5025.822	17733017.93	1.0008	A	0.8
8	☐	10000.000	9988.869	34940929.48	1.9891	A	1.0
9	☐			7727.74	0.0004	P	19.5

y = 1.9913E-004 * x + 8.8790E-006
R = 1.0000
DL = 0.01258
BEC = 0.04459

Weight: <None>
Min Conc: 0

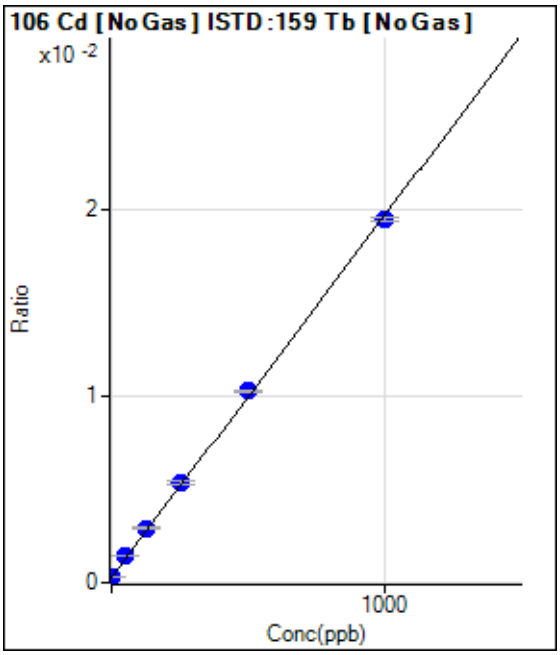
Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	437.79	0.0000	P	7.2
2	☐	0.500	0.514	5601.12	0.0003	P	7.2
3	☐	5.000	5.182	53485.15	0.0027	P	1.5
4	☐	500.000	522.089	5258753.95	0.2689	A	0.3
5	☐	1250.000	1260.302	12309158.98	0.6490	A	1.3
6	☐	2500.000	2468.158	23570447.42	1.2709	A	1.9
7	☐	5000.000	5059.826	46163832.64	2.6054	A	0.5
8	☐	10000.000	9975.655	90228163.10	5.1366	A	1.4
9	☐			18877.12	0.0011	P	19.8

y = 5.1491E-004 * x + 2.2875E-005
R = 1.0000
DL = 0.009657
BEC = 0.04443

Weight: <None>
Min Conc: 0

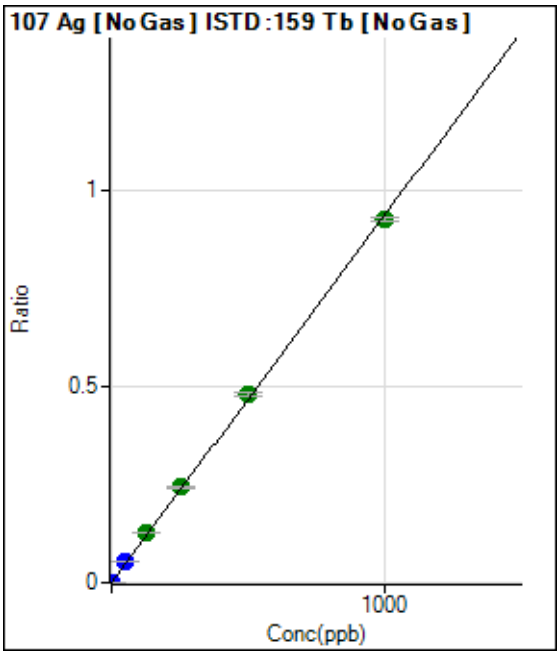


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	4468.51	0.0003	P	4.6
2	☐	0.100	0.543	4685.24	0.0003	P	3.4
3	☐	1.000	1.796	5118.73	0.0003	P	0.9
4	☐	50.000	59.153	22834.71	0.0014	P	0.9
5	☐	125.000	136.134	46112.88	0.0029	P	2.2
6	☐	250.000	259.694	84186.68	0.0053	P	3.6
7	☐	500.000	514.525	157600.88	0.0102	P	1.2
8	☐	1000.000	988.464	298756.06	0.0194	P	1.0
9	☐			4344.02	0.0003	P	4.2

y = 1.9338E-005 * x + 2.8719E-004
R = 0.9998
DL = 2.049
BEC = 14.85

Weight: <None>
Min Conc: 0

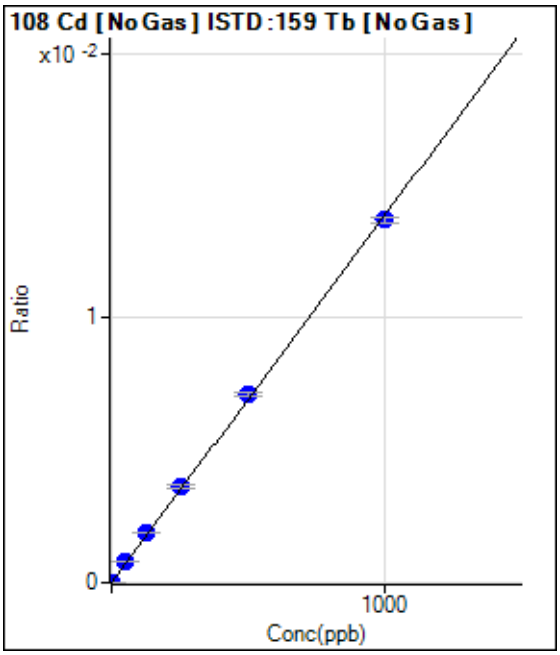
Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	106.67	0.0000	P	16.3
2	☐	0.100	0.105	1659.00	0.0001	P	5.2
3	☐	1.000	1.123	16857.64	0.0011	P	1.0
4	☐	50.000	57.252	856641.86	0.0537	P	1.6
5	☐	125.000	136.974	2028947.02	0.1285	A	1.0
6	☐	250.000	260.603	3875975.11	0.2444	A	2.3
7	☐	500.000	514.580	7428867.81	0.4826	A	1.5
8	☐	1000.000	988.200	14269480.48	0.9267	A	0.9
9	☐			3158.16	0.0002	P	18.6

y = 9.3776E-004 * x + 6.8540E-006
R = 0.9997
DL = 0.003564
BEC = 0.007309

Weight: <None>
Min Conc: 0

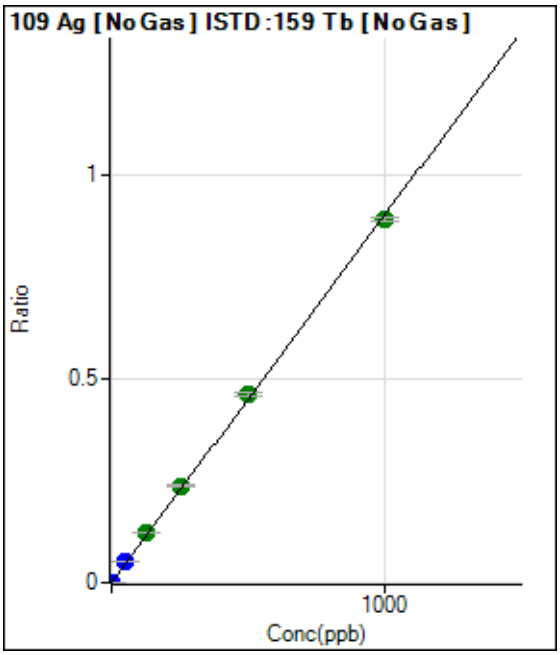


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	12.22	0.0000	P	63.2
2	☐	0.100	0.135	42.22	0.0000	P	36.8
3	☐	1.000	1.224	282.23	0.0000	P	6.6
4	☐	50.000	57.519	12729.00	0.0008	P	1.7
5	☐	125.000	135.482	29665.91	0.0019	P	1.2
6	☐	250.000	261.462	57472.02	0.0036	P	3.1
7	☐	500.000	513.443	109550.61	0.0071	P	1.2
8	☐	1000.000	988.727	210984.02	0.0137	P	1.4
9	☐			115.56	0.0000	P	25.1

y = 1.3858E-005 * x + 7.8736E-007
R = 0.9998
DL = 0.1077
BEC = 0.05682

Weight: <None>
Min Conc: 0

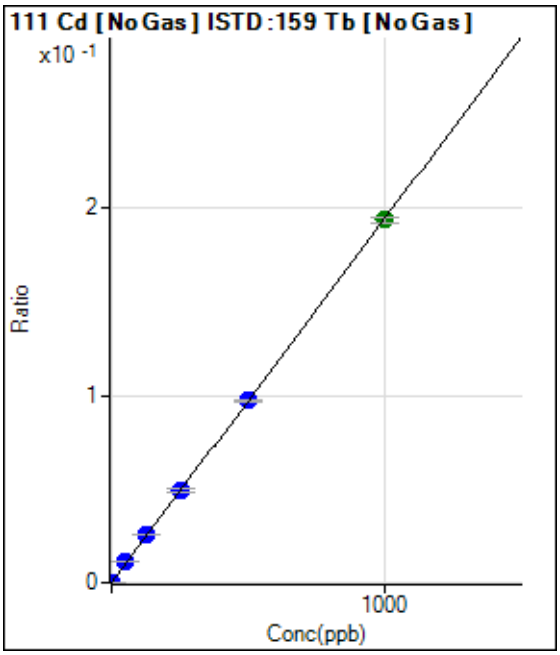
Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	53.33	0.0000	P	12.4
2	☐	0.100	0.109	1595.66	0.0001	P	6.5
3	☐	1.000	1.120	16076.79	0.0010	P	2.5
4	☐	50.000	57.035	818884.30	0.0513	P	1.4
5	☐	125.000	137.415	1953302.37	0.1237	A	0.6
6	☐	250.000	262.246	3743080.84	0.2360	A	1.9
7	☐	500.000	514.504	7127618.85	0.4630	A	1.7
8	☐	1000.000	987.783	13687033.41	0.8889	A	1.1
9	☐			2889.21	0.0002	P	16.3

y = 8.9987E-004 * x + 3.4277E-006
R = 0.9997
DL = 0.001412
BEC = 0.003809

Weight: <None>
Min Conc: 0

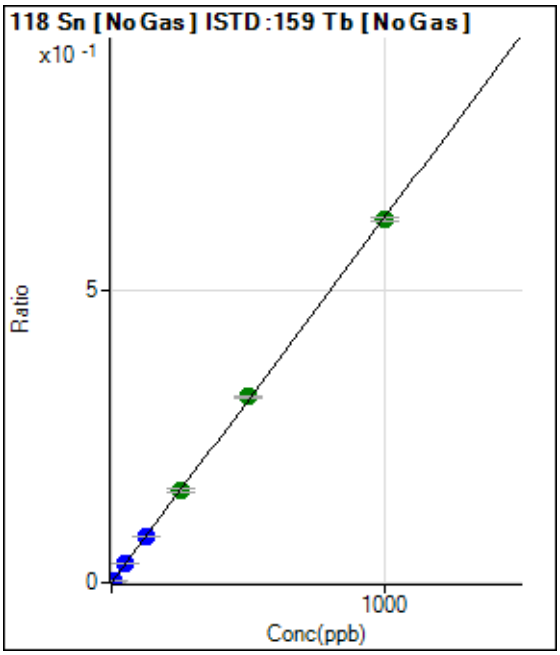


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	908.54	0.0001	P	4.3
2	☑	0.100					
3	☐	1.000	1.207	4656.84	0.0003	P	3.7
4	☐	50.000	55.666	173452.76	0.0109	P	1.3
5	☐	125.000	131.168	403367.50	0.0255	P	1.0
6	☐	250.000	252.794	779696.24	0.0492	P	2.8
7	☐	500.000	501.229	1499847.72	0.0974	P	1.2
8	☐	1000.000	997.632	2984858.91	0.1939	A	1.7
9	☐			1480.90	0.0001	P	3.7

y = 1.9425E-004 * x + 5.8391E-005
R = 1.0000
DL = 0.03846
BEC = 0.3006

Weight: <None>
Min Conc: 0

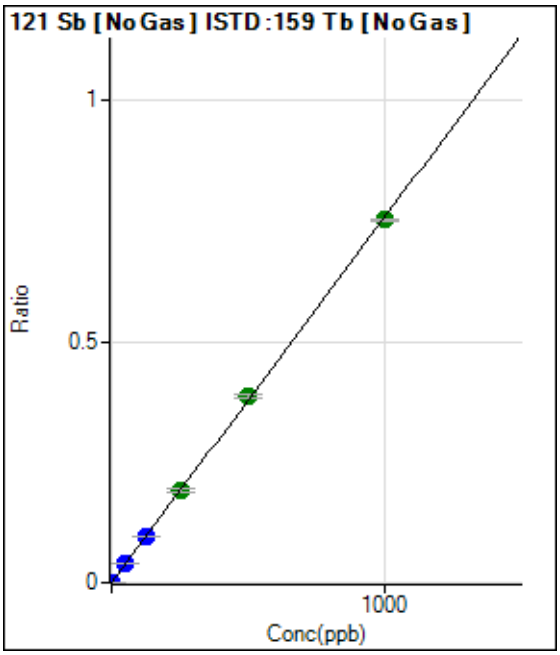
Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1097.83	0.0001	P	8.2
2	☐	0.500	0.587	6862.80	0.0004	P	3.6
3	☐	5.000	5.630	56876.25	0.0036	P	1.4
4	☐	50.000	53.915	536854.94	0.0337	P	1.7
5	☐	125.000	127.357	1253960.40	0.0794	P	1.2
6	☐	250.000	253.205	2502186.02	0.1578	A	2.6
7	☐	500.000	509.587	4887453.29	0.3175	A	1.0
8	☐	1000.000	993.911	9533235.55	0.6191	A	0.9
9	☐			3757.20	0.0003	P	11.4

y = 6.2284E-004 * x + 7.0562E-005
R = 0.9999
DL = 0.0279
BEC = 0.1133

Weight: <None>
Min Conc: 0

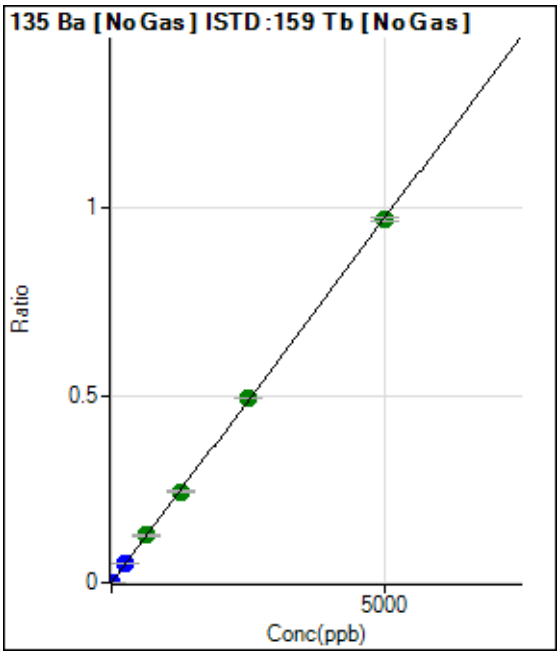


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	58.89	0.0000	P	32.7
2	☐	0.200	0.230	2793.63	0.0002	P	4.9
3	☐	2.000	2.196	26491.13	0.0017	P	2.7
4	☐	50.000	53.243	643034.95	0.0403	P	1.3
5	☐	125.000	125.903	1505247.63	0.0953	P	1.1
6	☐	250.000	252.216	3027480.89	0.1909	A	3.0
7	☐	500.000	511.438	5959692.06	0.3871	A	1.3
8	☐	1000.000	993.452	11578969.83	0.7520	A	0.8
9	☐			7479.80	0.0005	P	7.5

y = 7.5692E-004 * x + 3.7892E-006
R = 0.9999
DL = 0.004907
BEC = 0.005006

Weight: <None>
Min Conc: 0

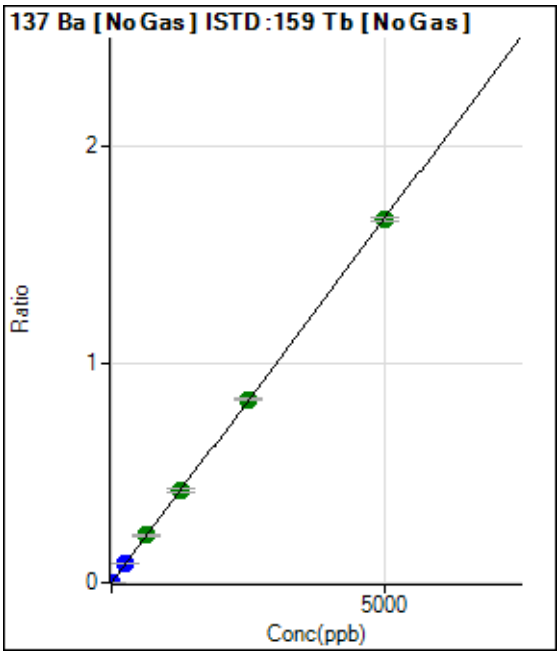
Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	61.11	0.0000	P	14.2
2	☐	1.000	1.084	3374.88	0.0002	P	3.5
3	☐	10.000	10.794	33414.73	0.0021	P	1.3
4	☐	250.000	260.679	808272.92	0.0507	P	1.4
5	☐	625.000	650.969	1998007.89	0.1265	A	1.8
6	☐	1250.000	1252.202	3859527.72	0.2433	A	2.3
7	☐	2500.000	2533.003	7578306.69	0.4922	A	0.9
8	☐	5000.000	4979.166	14899351.44	0.9676	A	1.1
9	☐			6926.21	0.0005	P	6.6

y = 1.9433E-004 * x + 3.9300E-006
R = 1.0000
DL = 0.008637
BEC = 0.02022

Weight: <None>
Min Conc: 0

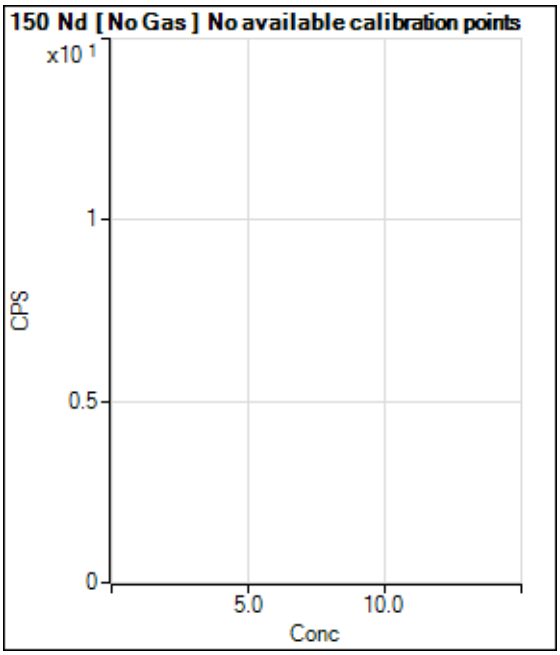


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	84.44	0.0000	P	28.9
2	☐	1.000	1.085	5779.00	0.0004	P	3.2
3	☐	10.000	10.813	57454.18	0.0036	P	1.2
4	☐	250.000	264.606	1408703.85	0.0883	P	1.6
5	☐	625.000	649.624	3423782.59	0.2168	A	1.0
6	☐	1250.000	1267.009	6704716.15	0.4228	A	2.7
7	☐	2500.000	2521.405	12952608.97	0.8413	A	1.0
8	☐	5000.000	4981.236	25593497.40	1.6621	A	1.2
9	☐			12198.69	0.0008	P	6.0

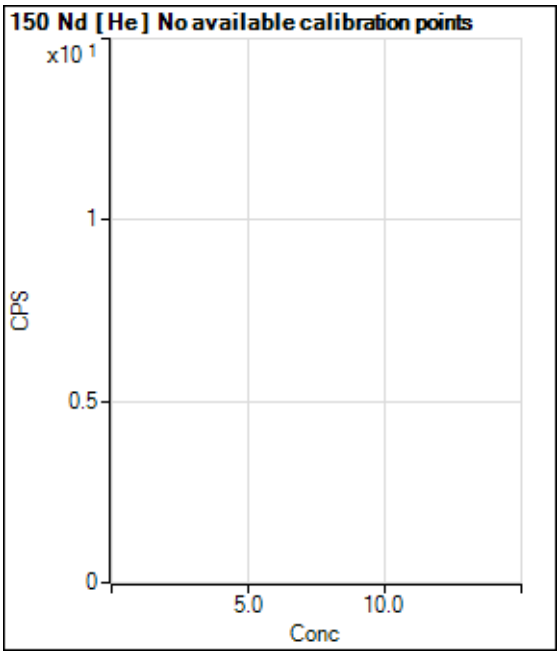
y = 3.3368E-004 * x + 5.4260E-006
R = 1.0000
DL = 0.0141
BEC = 0.01626

Weight: <None>
Min Conc: 0

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

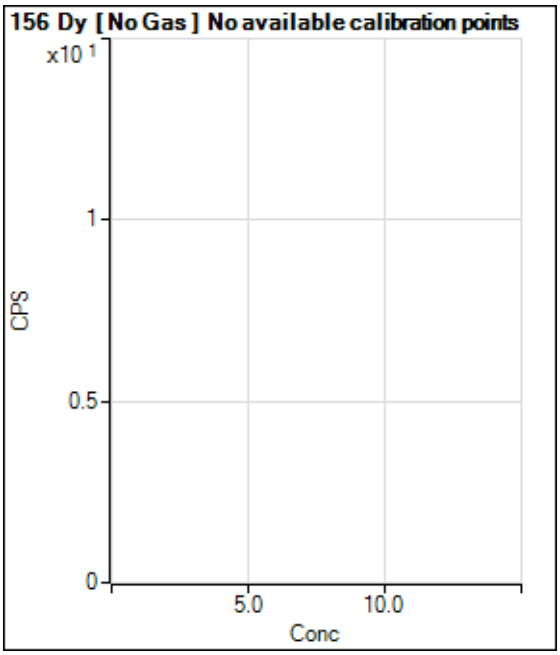


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			6.67		P	0.0
2	☐			10.00		P	33.3
3	☐			5.56		P	34.7
4	☐			54.44		P	31.4
5	☐			98.89		P	10.3
6	☐			206.67		P	14.8
7	☐			392.23		P	1.3
8	☐			751.14		P	3.8
9	☐			260.00		P	20.1

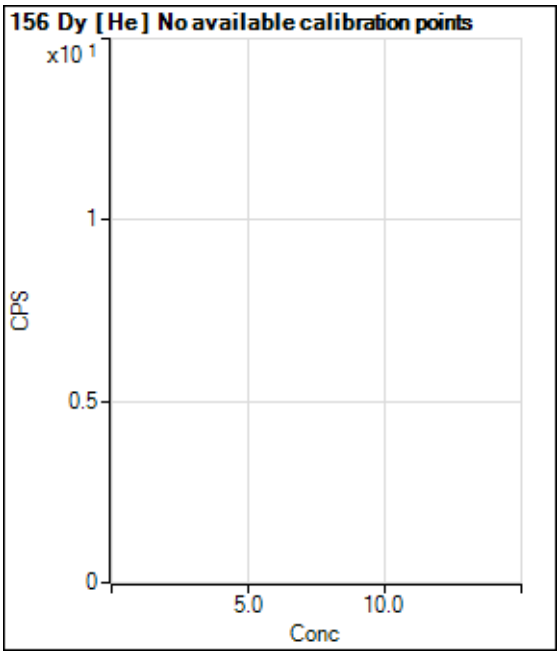


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			2.22		P	86.6
2	☐			3.33		P	0.0
3	☐			3.33		P	100.
4	☐			15.55		P	44.6
5	☐			27.78		P	25.0
6	☐			62.22		P	30.5
7	☐			103.33		P	11.6
8	☐			202.22		P	6.7
9	☐			131.11		P	16.5

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

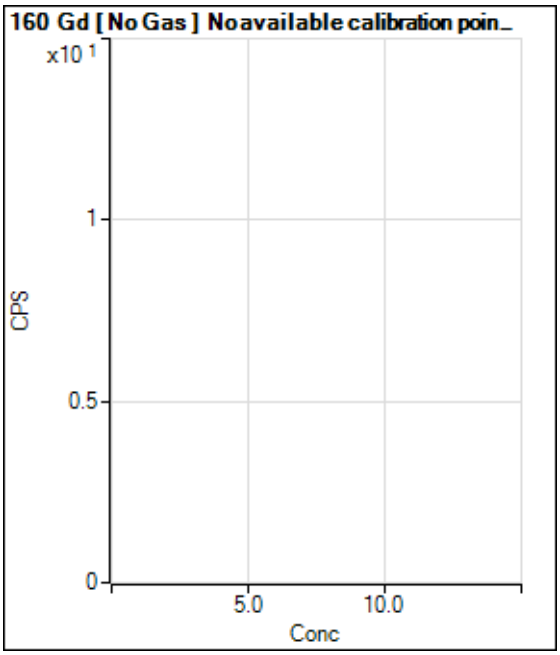


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			12.22		P	56.8
2	☐			10.00		P	66.7
3	☐			15.56		P	49.5
4	☐			30.00		P	80.1
5	☐			52.22		P	43.4
6	☐			70.00		P	29.7
7	☐			133.33		P	8.7
8	☐			240.01		P	7.2
9	☐			395.57		P	9.3

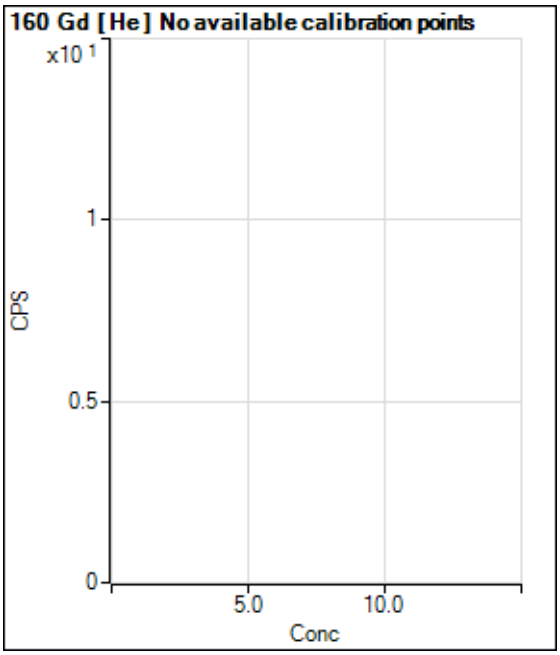


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			8.89		P	57.3
2	☐			6.67		P	100.
3	☐			5.56		P	91.6
4	☐			47.78		P	34.4
5	☐			116.67		P	14.8
6	☐			208.89		P	13.0
7	☐			408.90		P	11.6
8	☐			797.81		P	9.3
9	☐			406.68		P	9.8

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

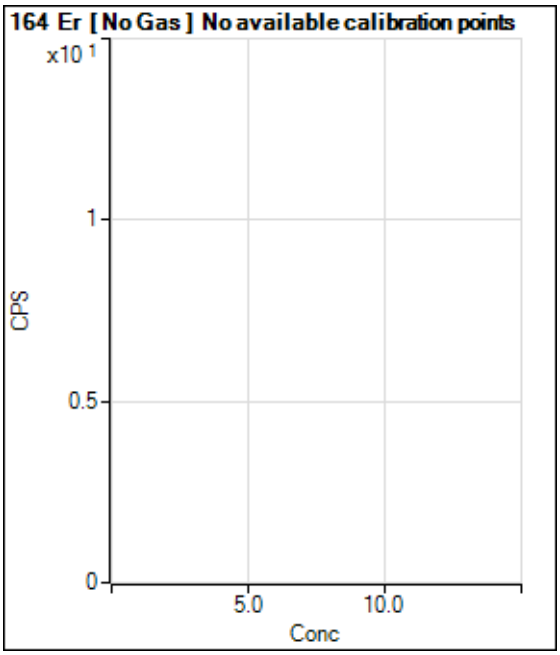


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			60.00		P	43.4
2	☐			51.11		P	32.2
3	☐			58.89		P	34.6
4	☐			58.89		P	13.1
5	☐			75.56		P	29.4
6	☐			82.22		P	18.7
7	☐			130.00		P	2.6
8	☐			192.22		P	5.6
9	☐			470.01		P	12.5

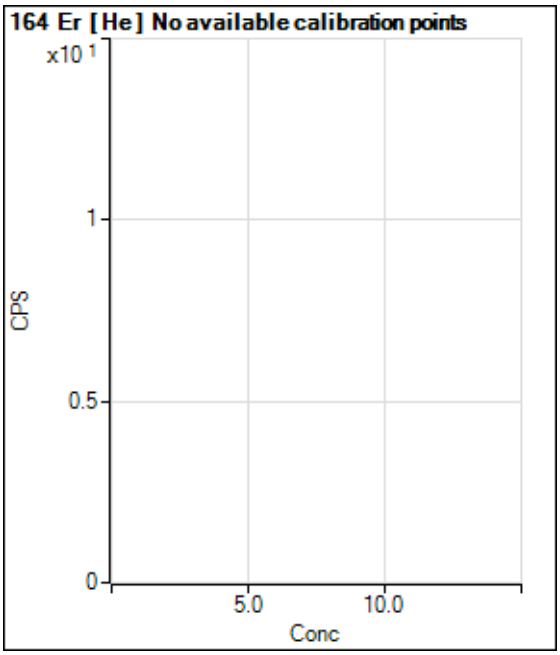


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			686.69		P	3.7
2	☐			704.47		P	5.0
3	☐			724.47		P	7.9
4	☐			727.80		P	9.4
5	☐			665.58		P	11.0
6	☐			684.47		P	6.2
7	☐			705.58		P	12.2
8	☐			756.70		P	7.5
9	☐			900.04		P	6.1

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

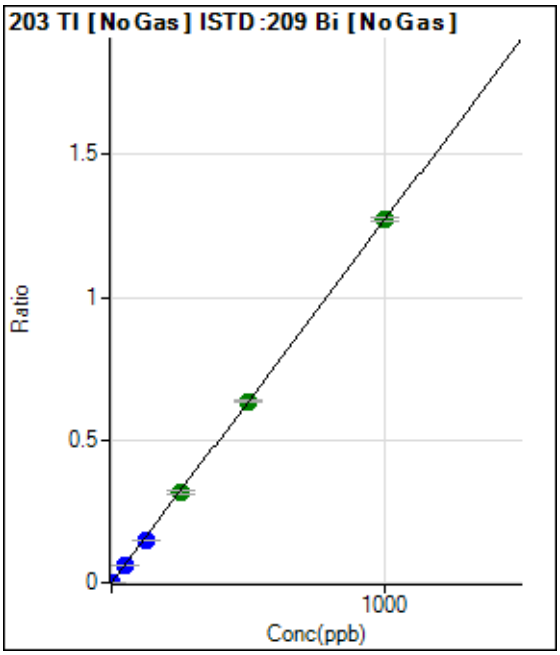


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			70.00		P	24.7
2	☐			75.56		P	6.7
3	☐			62.22		P	29.5
4	☐			67.78		P	10.2
5	☐			97.78		P	24.2
6	☐			105.56		P	23.7
7	☐			152.23		P	29.9
8	☐			225.56		P	10.5
9	☐			447.79		P	9.5



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			60.00		P	5.5
2	☐			51.11		P	16.4
3	☐			47.78		P	17.6
4	☐			63.33		P	29.3
5	☐			66.67		P	8.7
6	☐			75.56		P	24.3
7	☐			98.89		P	28.1
8	☐			186.67		P	20.6
9	☐			387.79		P	9.9

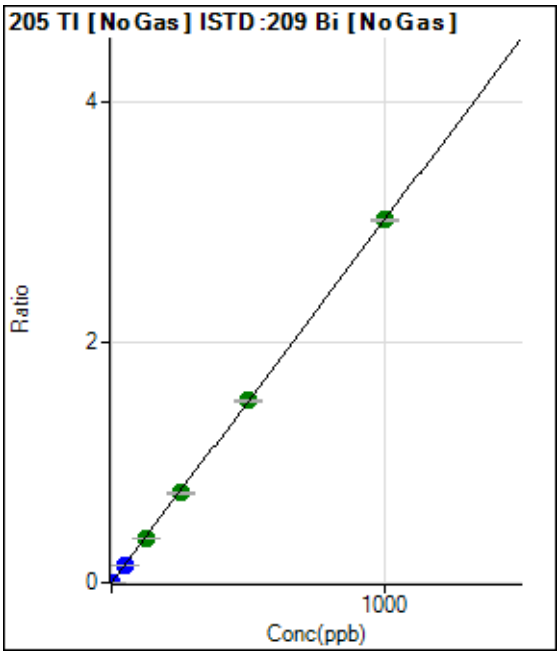
Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	395.57	0.0000	P	9.2
2	☐	0.100	0.095	1524.55	0.0002	P	6.0
3	☐	1.000	1.020	12433.56	0.0013	P	2.5
4	☐	50.000	49.783	590322.23	0.0632	P	1.3
5	☐	125.000	118.446	1423239.77	0.1504	P	0.6
6	☐	250.000	248.266	2989412.32	0.3152	A	3.4
7	☐	500.000	500.133	5898253.52	0.6350	A	1.6
8	☐	1000.000	1001.197	11578462.33	1.2711	A	0.9
9	☐			2276.88	0.0003	P	14.8

y = 0.0013 * x + 4.3369E-005
R = 1.0000
DL = 0.009428
BEC = 0.03416

Weight: <None>
Min Conc: 0

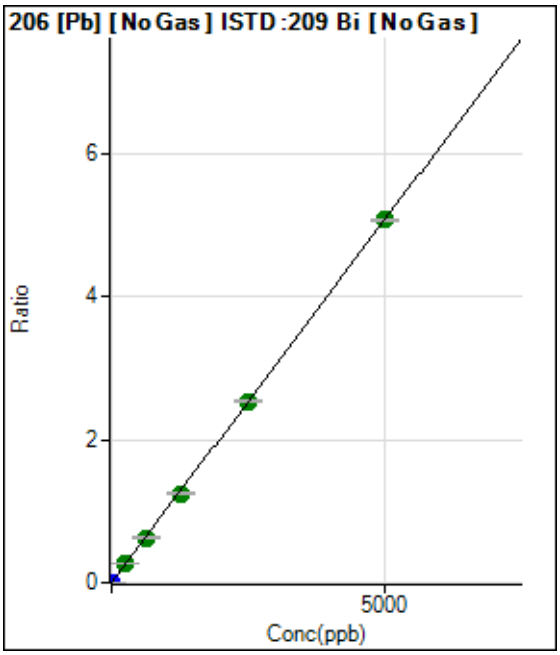


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	864.48	0.0001	P	9.1
2	☐	0.100	0.095	3551.61	0.0004	P	4.1
3	☐	1.000	1.008	29083.37	0.0031	P	2.8
4	☐	50.000	49.564	1395092.85	0.1495	P	1.5
5	☐	125.000	124.447	3549665.16	0.3751	A	0.0
6	☐	250.000	247.666	7080289.27	0.7465	A	2.2
7	☐	500.000	501.158	14030133.68	1.5104	A	1.5
8	☐	1000.000	1000.096	27455589.59	3.0141	A	0.6
9	☐			5522.33	0.0007	P	18.3

y = 0.0030 * x + 9.4699E-005
R = 1.0000
DL = 0.008625
BEC = 0.03142

Weight: <None>
Min Conc: 0

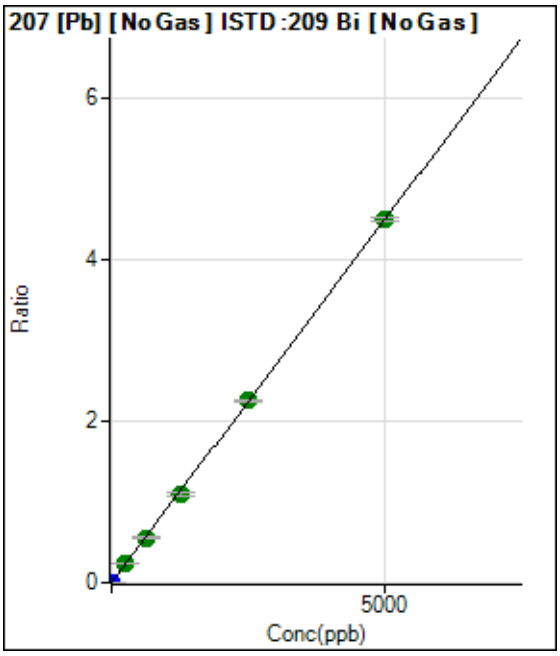
Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	411.12	0.0000	P	9.7
2	☐	0.100	0.100	1360.09	0.0001	P	4.1
3	☐	1.000	1.008	9913.71	0.0011	P	2.7
4	☐	250.000	257.012	2434297.04	0.2608	A	1.9
5	☐	625.000	621.995	5972004.91	0.6311	A	0.9
6	☐	1250.000	1229.380	11829927.74	1.2474	A	2.9
7	☐	2500.000	2504.016	23599451.59	2.5406	A	1.4
8	☐	5000.000	5003.172	46239107.09	5.0762	A	0.5
9	☐			15381.10	0.0019	P	8.7

y = 0.0010 * x + 4.5071E-005
R = 1.0000
DL = 0.01288
BEC = 0.04442

Weight: <None>
Min Conc: 0

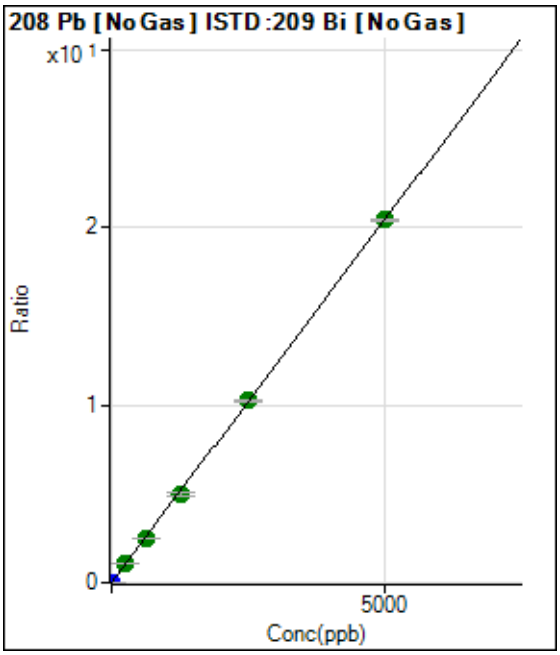


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	356.68	0.0000	P	7.6
2	☐	0.100	0.097	1174.51	0.0001	P	2.3
3	☐	1.000	1.006	8755.12	0.0009	P	0.9
4	☐	250.000	257.651	2160061.16	0.2314	A	1.0
5	☐	625.000	621.403	5280202.87	0.5580	A	1.0
6	☐	1250.000	1226.407	10443915.47	1.1013	A	3.5
7	☐	2500.000	2507.652	20917200.10	2.2518	A	0.9
8	☐	5000.000	5002.139	40914903.56	4.4917	A	0.9
9	☐			13330.02	0.0016	P	9.7

y = 8.9795E-004 * x + 3.9078E-005
R = 1.0000
DL = 0.009932
BEC = 0.04352

Weight: <None>
Min Conc: 0

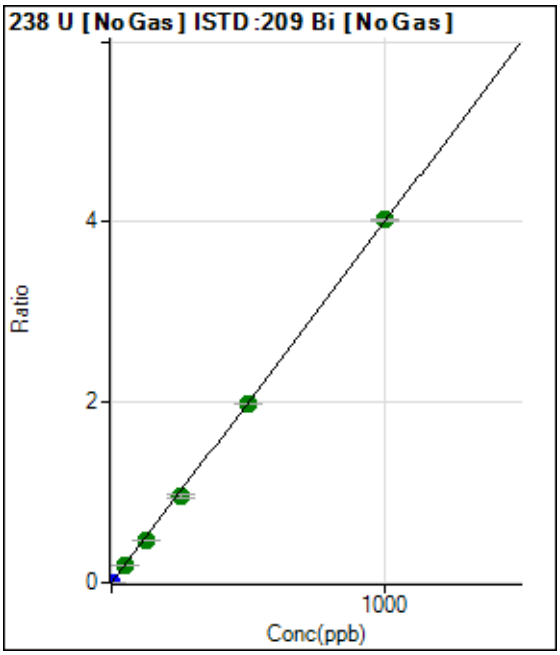
Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1564.50	0.0002	P	3.1
2	☐	0.100	0.099	5344.92	0.0006	P	3.4
3	☐	1.000	1.000	39520.50	0.0043	P	2.7
4	☐	250.000	258.686	9867020.25	1.0571	A	1.0
5	☐	625.000	621.631	24033379.12	2.5399	A	0.3
6	☐	1250.000	1224.413	47443249.78	5.0026	A	3.2
7	☐	2500.000	2508.946	95220971.49	10.2508	A	0.9
8	☐	5000.000	5001.911	186152091.39	20.4360	A	0.6
9	☐			60666.79	0.0075	P	8.3

y = 0.0041 * x + 1.7147E-004
R = 1.0000
DL = 0.00385
BEC = 0.04197

Weight: <None>
Min Conc: 0

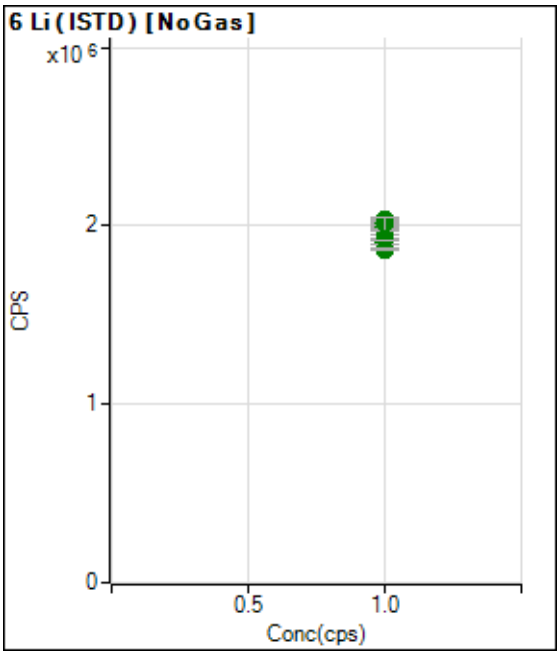


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	12.22	0.0000	P	56.7
2	☐	0.100	0.090	3363.80	0.0004	P	3.4
3	☐	1.000	0.928	34476.83	0.0037	P	2.7
4	☐	50.000	48.935	1827307.77	0.1958	A	2.4
5	☐	125.000	118.675	4492552.61	0.4748	A	1.0
6	☐	250.000	239.445	9084788.96	0.9580	A	3.5
7	☐	500.000	495.983	18432808.61	1.9843	A	0.9
8	☐	1000.000	1005.491	36644136.12	4.0228	A	0.9
9	☐			5260.05	0.0006	P	24.4

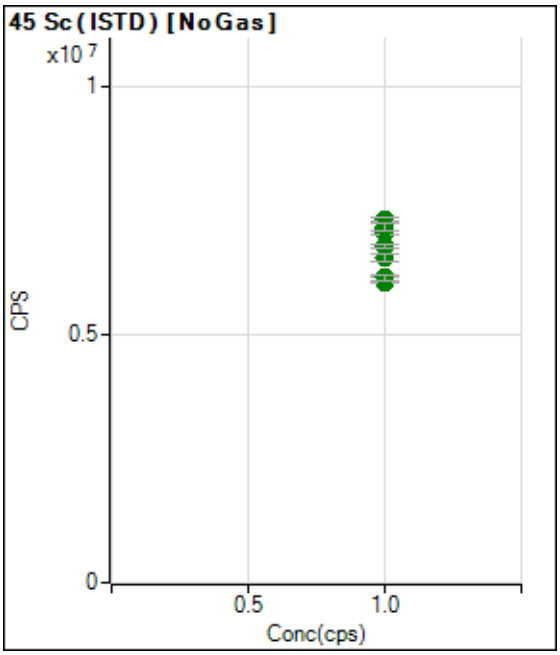
y = 0.0040 * x + 1.3380E-006
R = 0.9999
DL = 0.0005685
BEC = 0.0003344

Weight: <None>
Min Conc: 0

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

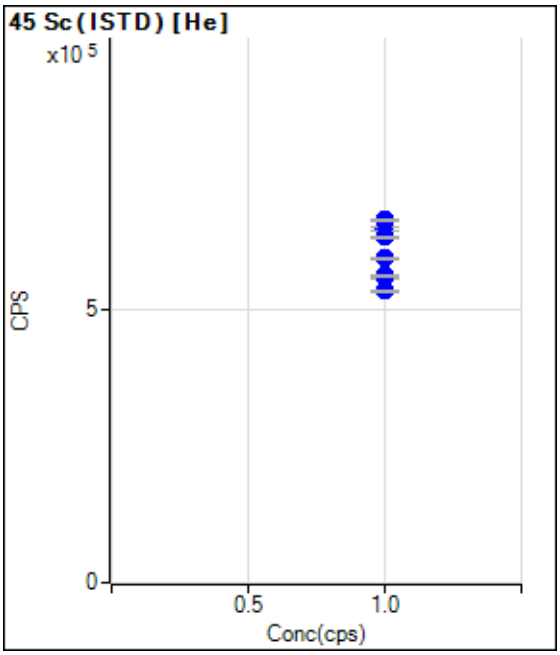


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1	☐	1.000		1954229.99		A	0.2
2	☐	1.000		1974647.30		A	5.5
3	☐	1.000		2008203.55		A	1.3
4	☐	1.000		2033670.73		A	0.4
5	☐	1.000		1994896.78		A	1.1
6	☐	1.000		2010796.34		A	3.3
7	☐	1.000		1924923.62		A	0.8
8	☐	1.000		1906867.00		A	0.8
9	☐	1.000		1865885.91		A	0.6

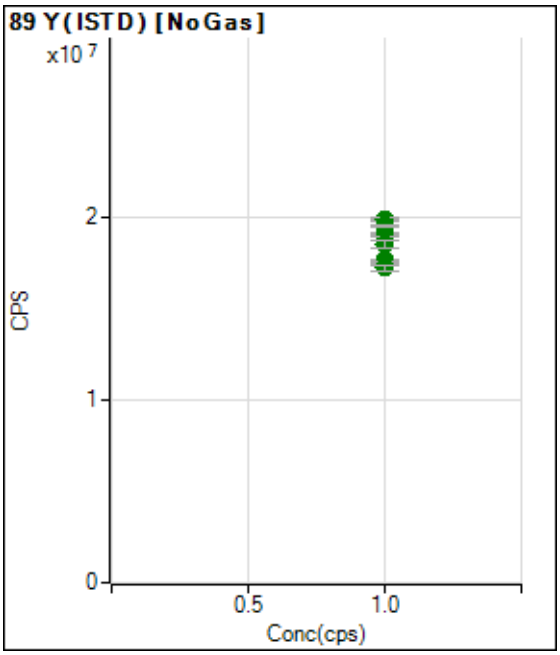


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		7066083.02		A	1.0
2	☐	1.000		7159420.80		A	3.9
3	☐	1.000		7322207.46		A	1.1
4	☐	1.000		7180610.03		A	1.8
5	☐	1.000		6783289.69		A	1.3
6	☐	1.000		6571435.53		A	2.3
7	☐	1.000		6184504.28		A	0.4
8	☐	1.000		6072434.21		A	0.6
9	☐	1.000		6155588.73		A	1.9

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

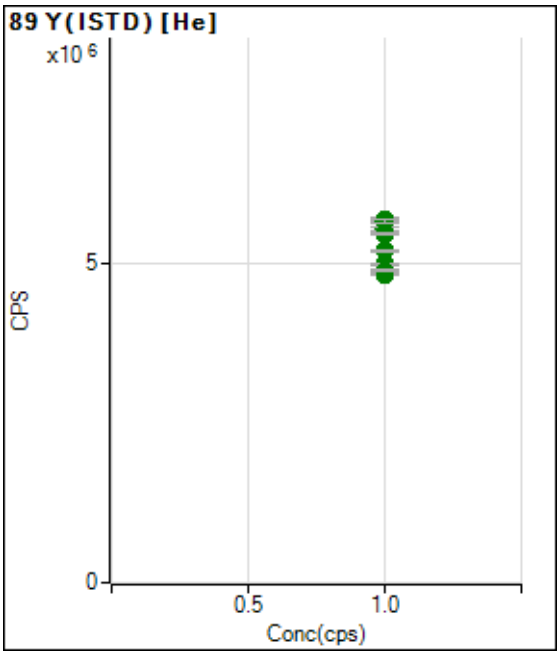


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		645578.91		P	0.8
2	☐	1.000		662554.35		P	0.1
3	☐	1.000		661361.55		P	0.8
4	☐	1.000		631213.47		P	0.8
5	☐	1.000		591752.27		P	0.2
6	☐	1.000		557451.76		P	0.6
7	☐	1.000		532153.28		P	0.5
8	☐	1.000		532525.87		P	0.7
9	☐	1.000		561056.34		P	0.6

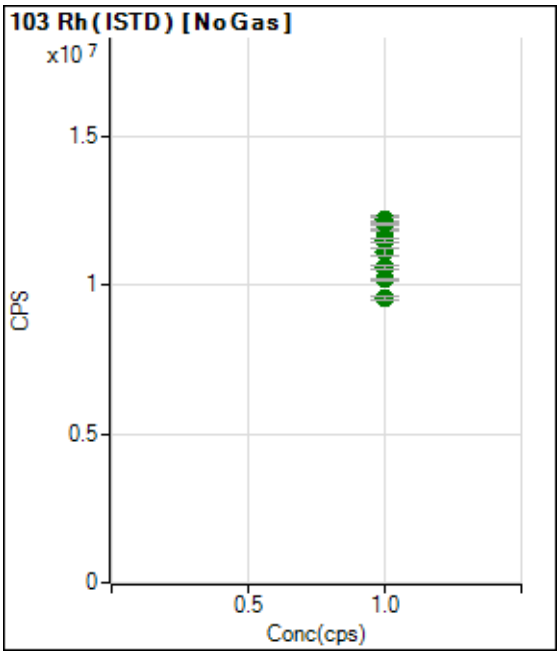


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		19142123.47		A	0.4
2	☐	1.000		19513656.79		A	4.2
3	☐	1.000		19877604.43		A	0.9
4	☐	1.000		19560334.99		A	0.6
5	☐	1.000		18968148.47		A	0.4
6	☐	1.000		18551159.31		A	2.1
7	☐	1.000		17718931.68		A	0.3
8	☐	1.000		17567176.27		A	0.9
9	☐	1.000		17239538.63		A	1.4

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

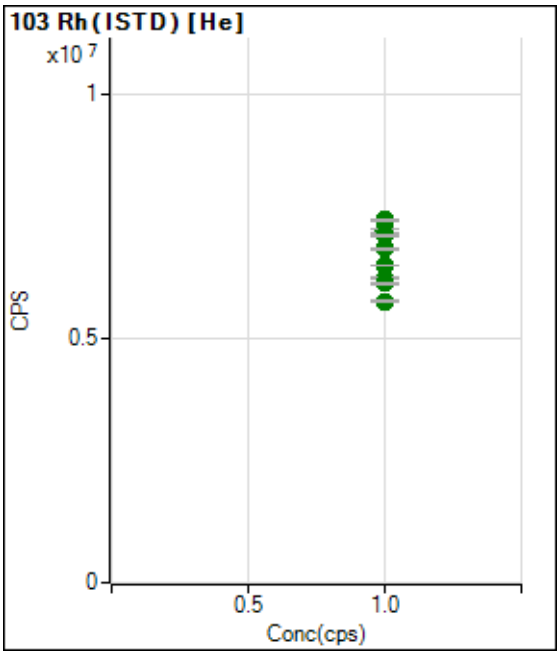


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1	☐	1.000		5547282.49		A	1.1
2	☐	1.000		5691696.44		A	0.9
3	☐	1.000		5660092.35		A	1.0
4	☐	1.000		5467609.22		A	0.6
5	☐	1.000		5204723.15		A	0.3
6	☐	1.000		5000839.48		A	0.3
7	☐	1.000		4836009.93		A	0.3
8	☐	1.000		4839362.74		A	0.3
9	☐	1.000		4898951.97		A	1.0

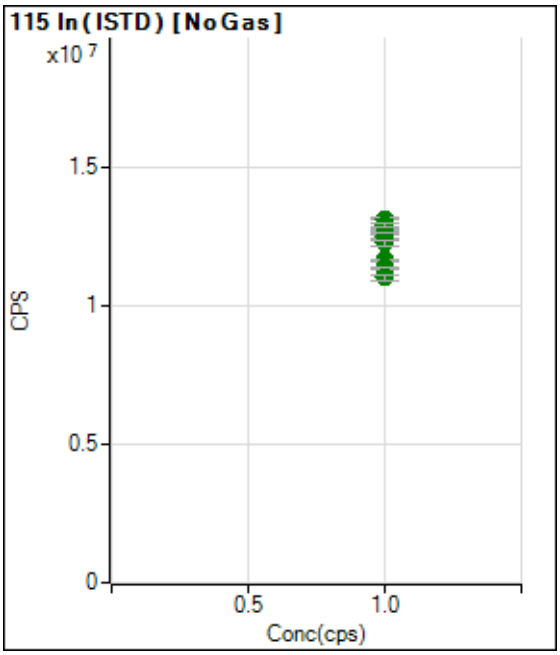


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		11834991.35		A	0.7
2	☐	1.000		12091493.43		A	4.1
3	☐	1.000		12187458.71		A	1.0
4	☐	1.000		12052011.35		A	0.2
5	☐	1.000		11482968.58		A	1.0
6	☐	1.000		11124629.28		A	2.2
7	☐	1.000		10617759.98		A	1.2
8	☐	1.000		10204709.92		A	0.7
9	☐	1.000		9563276.25		A	1.7

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

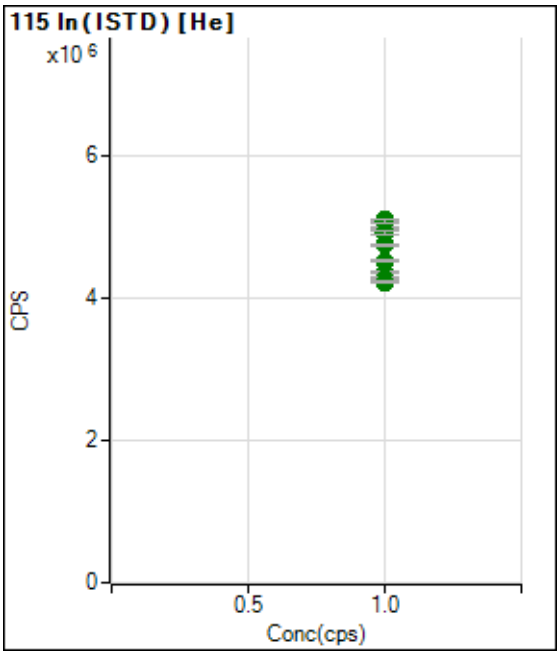


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		7206836.77		A	1.1
2	☐	1.000		7442425.03		A	0.4
3	☐	1.000		7421020.17		A	0.6
4	☐	1.000		7127492.33		A	0.5
5	☐	1.000		6847515.11		A	0.2
6	☐	1.000		6517312.47		A	0.3
7	☐	1.000		6251640.11		A	0.5
8	☐	1.000		6137036.23		A	0.6
9	☐	1.000		5778428.04		A	0.6

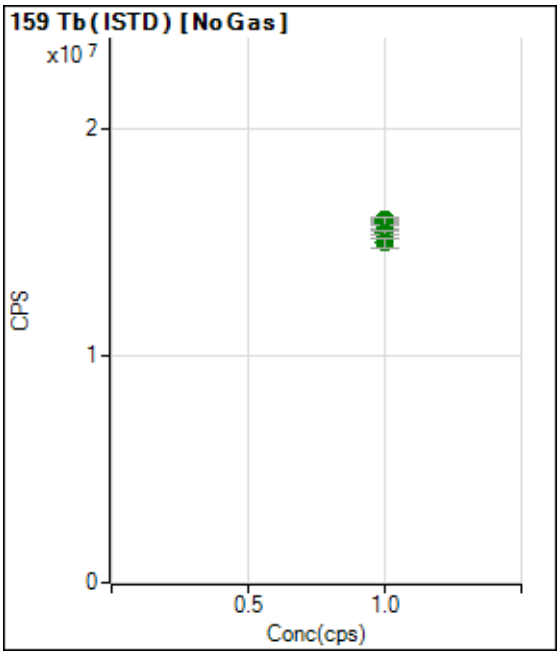


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1	☐	1.000		12704592.99		A	0.5
2	☐	1.000		12842685.66		A	4.4
3	☐	1.000		13073276.15		A	1.7
4	☐	1.000		12899935.69		A	0.9
5	☐	1.000		12492072.90		A	1.6
6	☐	1.000		12243802.29		A	1.9
7	☐	1.000		11627350.53		A	0.7
8	☐	1.000		11355868.92		A	0.7
9	☐	1.000		10989382.13		A	1.9

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

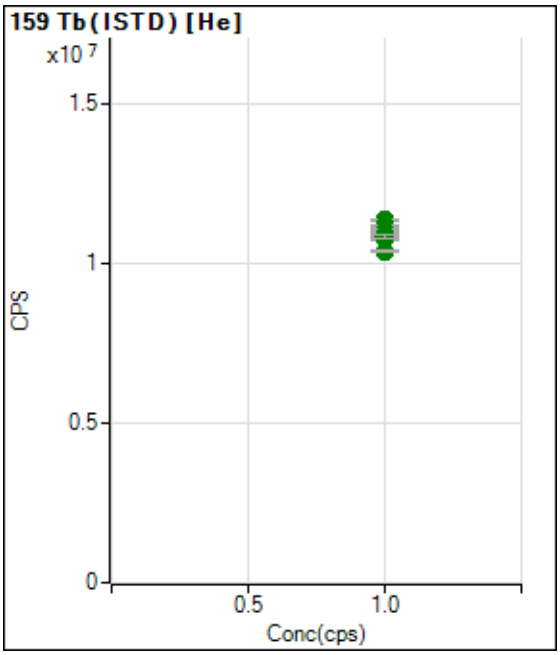


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1	☐	1.000		4991854.58		A	0.3
2	☐	1.000		5108322.07		A	0.2
3	☐	1.000		5086472.18		A	1.1
4	☐	1.000		4935463.34		A	0.9
5	☐	1.000		4757380.33		A	0.5
6	☐	1.000		4526024.33		A	0.6
7	☐	1.000		4362086.70		A	0.7
8	☐	1.000		4288788.97		A	1.0
9	☐	1.000		4233187.28		A	0.8

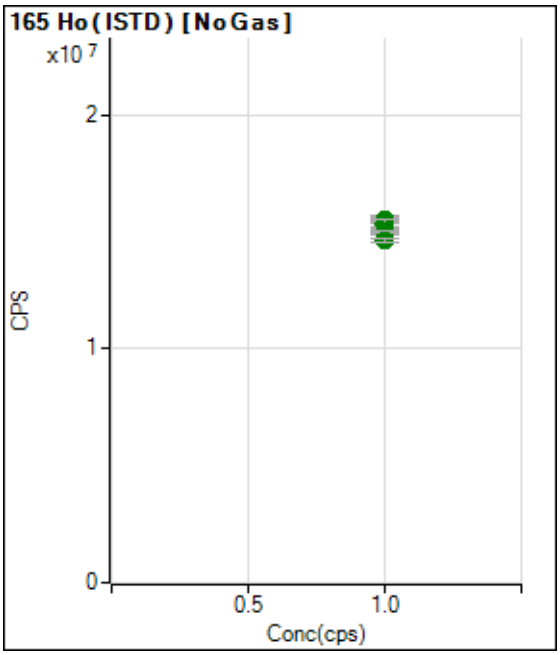


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		15557257.54		A	0.5
2	☐	1.000		15739112.96		A	3.1
3	☐	1.000		15901546.29		A	1.3
4	☐	1.000		15956250.04		A	1.4
5	☐	1.000		15795988.37		A	1.4
6	☐	1.000		15864968.37		A	2.2
7	☐	1.000		15396063.11		A	0.9
8	☐	1.000		15398879.63		A	0.8
9	☐	1.000		14951142.14		A	2.8

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

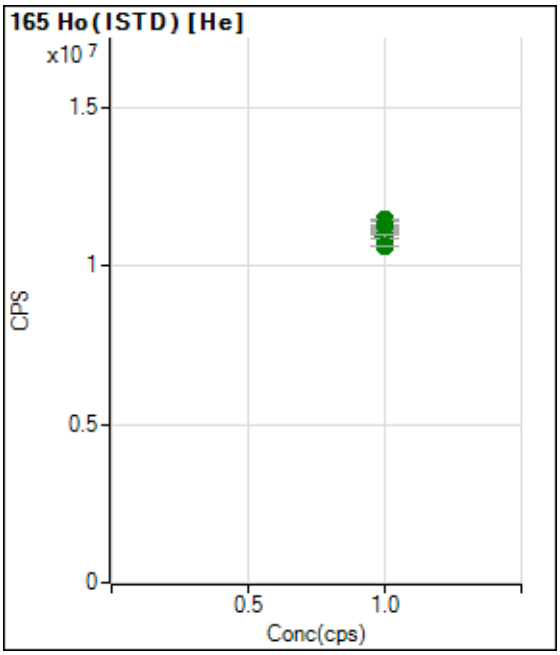


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		11134491.64		A	1.5
2	☐	1.000		11348718.44		A	0.2
3	☐	1.000		11355734.83		A	0.5
4	☐	1.000		11168428.03		A	0.8
5	☐	1.000		11034654.42		A	0.7
6	☐	1.000		10871213.03		A	1.2
7	☐	1.000		10758457.34		A	0.7
8	☐	1.000		10836914.00		A	1.4
9	☐	1.000		10377935.05		A	0.2

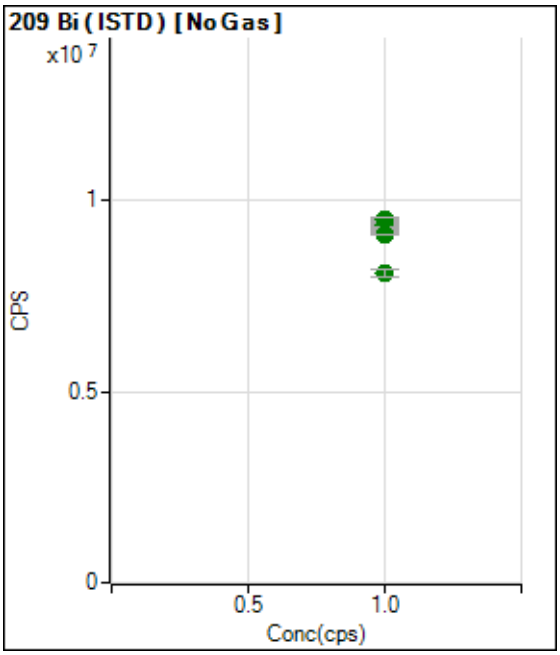


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		15049907.55		A	1.2
2	☐	1.000		15433620.60		A	3.8
3	☐	1.000		15520439.63		A	0.9
4	☐	1.000		15462475.60		A	0.2
5	☐	1.000		15303541.02		A	1.6
6	☐	1.000		15404327.13		A	2.0
7	☐	1.000		14945162.97		A	0.9
8	☐	1.000		15023385.05		A	0.8
9	☐	1.000		14642874.36		A	1.6

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

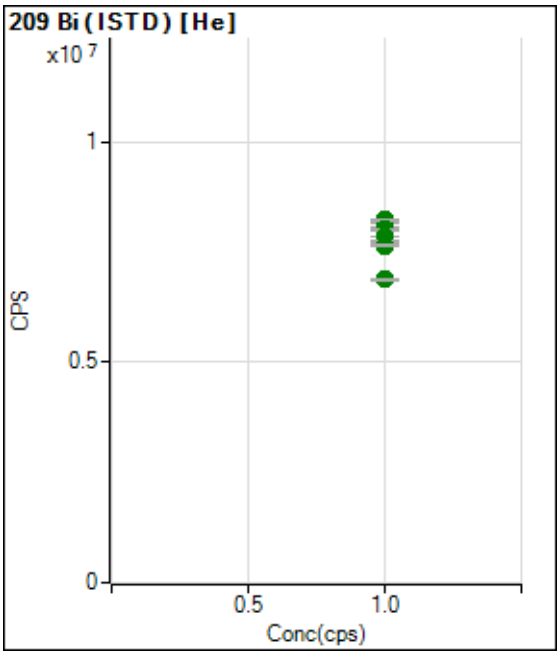


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		11301950.39		A	0.3
2	☐	1.000		11454861.22		A	0.4
3	☐	1.000		11454848.58		A	0.4
4	☐	1.000		11288924.28		A	0.6
5	☐	1.000		11200243.03		A	0.4
6	☐	1.000		11081016.50		A	1.0
7	☐	1.000		10937840.67		A	1.0
8	☐	1.000		10942257.20		A	0.9
9	☐	1.000		10616400.54		A	0.4



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		9125728.82		A	1.0
2	☐	1.000		9298815.35		A	3.2
3	☐	1.000		9289061.39		A	1.8
4	☐	1.000		9334993.47		A	1.1
5	☐	1.000		9462342.22		A	0.6
6	☐	1.000		9487420.56		A	1.9
7	☐	1.000		9289463.82		A	0.7
8	☐	1.000		9109079.24		A	0.3
9	☐	1.000		8091032.52		A	2.5

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		8042339.32		A	0.2
2	☐	1.000		8164720.85		A	0.2
3	☐	1.000		8222814.11		A	0.8
4	☐	1.000		8036748.01		A	0.7
5	☐	1.000		7997045.58		A	0.4
6	☐	1.000		7856967.04		A	0.2
7	☐	1.000		7737623.98		A	0.9
8	☐	1.000		7635777.04		A	0.8
9	☐	1.000		6868709.13		A	1.1

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7
ClientSampleId :TUNE002

US EPA Tune Check Report

Operator Name	Jaswal
Acq/Data Batch	D:\Agilent\ICPMH\1\DATA\P7122724 MS.b
Acq. Date-Time	2024-12-27 14:06:19
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		7580	75803.39			0.717	5.000
24		231619	2316189.72			1.081	5.000
25		27022	270220.07			1.000	5.000
26		30226	302258.11			0.734	5.000
59		85217	852172.78			0.655	5.000
113		11634	116341.16			0.515	5.000
115		147247	1472470.40			0.189	5.000
206		29800	298000.81			0.889	5.000
207		26070	260703.37			0.686	5.000
208		62774	627738.82			0.739	5.000
220		0	2.20			41.286	

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	7587	7490	7581	7617	7628
24	229970	229225	232129	231138	235634
25	26895	26696	26967	27138	27414
26	30120	29899	30274	30382	30455
59	84592	84700	85536	85358	85900
113	11736	11576	11613	11622	11624
115	147254	147615	147353	147160	146853
206	30180	29495	29897	29813	29615
207	26366	25895	26085	26011	25995
208	63552	62615	62798	62556	62348

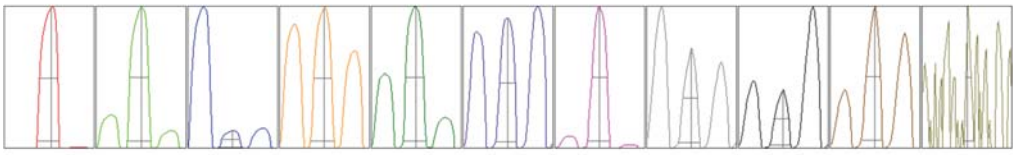
Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7
ClientSampleId :TUNE002

US EPA Tune Check Report

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

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	13234.48	9.10	8.90 - 9.10	
24	391759.50	24.05	23.90 - 24.10	
25	47328.22	25.00	24.90 - 25.10	
26	53673.18	26.00	25.90 - 26.10	
59	148661.63	59.00	58.90 - 59.10	
113	22892.17	113.00	112.90 - 113.10	
115	293353.03	115.00	114.90 - 115.10	
206	64693.15	206.00	205.90 - 206.10	
207	56007.85	207.00	206.90 - 207.10	
208	135488.46	208.00	207.90 - 208.10	
220	0.50	220.05	-	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.60	0.735	0.900	
24	0.62	0.783	0.900	
25	0.60	0.756	0.900	
26	0.59	0.796	0.900	
59	0.59	0.776	0.900	
113	0.52	0.703	0.900	
115	0.51	0.753	0.900	
206	0.48	0.727	0.900	
207	0.48	0.701	0.900	
208	0.48	0.717	0.900	
220	0.19	0.335		

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:12/30/2024 3:28:46 AM
Inst Id :P7
ClientSampleId :TUNE002

US EPA Tune Check Report

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

Lens Parameters

Extract 1	0.0 V	Omega Lens	8.0 V	Deflect	15.8 V
Extract 2	-135.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-70 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	170 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	0.3 mm	Torch V	0.4 mm		

EM

Discriminator	4.7 mV	Analog HV	2256 V	Pulse HV	1044 V

[He]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
59		27750	277502.26			0.446	
89		51369	513686.76			0.581	
205		33682	336823.67			0.786	

Mass	RSD% (Flag)
59	
89	
205	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
59	27880	27832	27799	27646	27593
89	51491	51588	51665	51073	51026
205	33959	33872	33779	33391	33411

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	8.9 V	Deflect	3.2 V

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7
ClientSampleId :TUNE002

US EPA Tune Check Report

Extract 2	-150.0 V	Cell Entrance	-40 V	Plate Bias	-60 V
Omega Bias	-75 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	0.3 mm	Torch V	0.4 mm

EM

Discriminator	4.7 mV	Analog HV	2256 V	Pulse HV	1044 V

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 14:36:11	DataFile Name :	003CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.02	-0.01	0.03	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	0.00	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	-0.04	0.02	0.02	0.00	N/A	ppb
Cadmium	106-1	0.62	0.11	-0.73	0.00	N/A	ppb
Cadmium	111-1	0.01	0.00	-0.01	0.00	N/A	ppb
Calcium	43-1	0.61	0.33	-0.94	0.00	N/A	ppb
Calcium	44-1	-0.12	-0.08	0.21	0.00	N/A	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.02	-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	0.01	-0.01	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	-0.14	-0.09	0.23	0.00	N/A	ppb
Iron	57-2	-1.07	0.40	0.68	0.00	N/A	ppb
Iron	54-2	-0.11	0.32	-0.21	0.00	N/A	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 14:36:11	DataFile Name :	003CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.00	0.00	0.00	0.00	N/A	ppb
Lead	207-1	0.00	0.00	0.00	0.00	N/A	ppb
Lead	208-1	0.00	0.00	0.00	0.00	N/A	ppb
Lithium	6-1				100		%
Magnesium	24-2	-0.06	-0.13	0.19	0.00	N/A	ppb
Manganese	55-2	0.00	0.00	0.00	0.00	N/A	ppb
Molybdenum	94-1	0.01	-0.02	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	-0.01	0.01	0.00	N/A	ppb
Phosphorus	31-2	-15.18	-12.41	-15.23	-14.28		ppb
Potassium	39-2	-1.70	1.45	0.25	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	-0.18	0.27	0.00	N/A	ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	0.02	-0.42	0.40	0.00	N/A	ppb
Silicon	28-1	-0.21	0.03	0.19	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	0.29	-0.15	-0.14	0.00	N/A	ppb
Strontium	86-1	0.02	0.08	-0.10	0.00	N/A	ppb
Strontium	88-1	0.00	-0.01	0.01	0.00	N/A	ppb
Sulfur	34-1	-11.00	6.20	-47.22	-17.34		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	0.01	-0.01	0.00	N/A	ppb
Titanium	47-1	0.00	0.00	0.00	0.00	N/A	ppb

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Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 14:36:11	DataFile Name :	003CALB.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	-0.01	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	-0.01	0.00	N/A	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	S01	Instrumnet Name :	P7
Client Sample ID :	S01	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 14:46:11	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2.53	2.53	2.39	2.48	3.36	ppb
Antimony	121-1	0.22	0.24	0.23	0.23	4.96	ppb
Arsenic	75-2	0.11	0.15	0.10	0.12	21.75	ppb
Barium	135-1	1.07	1.13	1.05	1.08	3.59	ppb
Barium	137-1	1.08	1.12	1.05	1.08	3.21	ppb
Beryllium	9-1	0.13	0.14	0.10	0.12	14.00	ppb
Bismuth	209-1				102		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.18	0.05	0.17	0.14	52.30	ppb
Cadmium	106-1	1.08	0.52	0.03	0.54	96.27	ppb
Cadmium	111-1	Rejected	Rejected	Rejected			ppb
Calcium	43-1	55.55	62.22	56.73	58.17	6.12	ppb
Calcium	44-1	56.79	62.40	56.58	58.59	5.64	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.18	0.21	0.19	0.19	5.58	ppb
Cobalt	59-2	0.12	0.12	0.11	0.11	6.17	ppb
Copper	63-2	0.21	0.23	0.20	0.21	6.59	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				101		%
Indium	115-1				101		%
Indium	115-2				102		%
Iron	56-2	5.42	5.48	5.29	5.40	1.77	ppb
Iron	57-2	5.85	6.37	5.46	5.89	7.72	ppb
Iron	54-2	6.37	5.89	5.63	5.97	6.29	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	S01	Instrumnet Name :	P7
Client Sample ID :	S01	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 14:46:11	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.11	0.10	0.10	0.10	5.92	ppb
Lead	207-1	0.10	0.10	0.09	0.10	3.36	ppb
Lead	208-1	0.10	0.10	0.10	0.10	4.91	ppb
Lithium	6-1				101		%
Magnesium	24-2	52.96	54.11	53.13	53.40	1.16	ppb
Manganese	55-2	0.09	0.11	0.11	0.10	11.50	ppb
Molybdenum	94-1	0.59	0.66	0.58	0.61	7.07	ppb
Molybdenum	95-1	0.50	0.55	0.52	0.52	4.94	ppb
Molybdenum	96-1	0.53	0.56	0.54	0.54	3.24	ppb
Molybdenum	97-1	0.54	0.58	0.49	0.54	9.10	ppb
Molybdenum	98-1	0.51	0.56	0.48	0.51	7.85	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.09	0.14	0.08	0.10	30.72	ppb
Phosphorus	31-2	-10.00	-11.61	-11.89	-11.17		ppb
Potassium	39-2	53.56	55.23	53.70	54.16	1.71	ppb
Rhodium	103-1				102		%
Rhodium	103-2				103		%
Scandium	45-1				101		%
Scandium	45-2				103		%
Selenium	82-1	0.70	0.47	0.31	0.49	39.58	ppb
Selenium	77-2	0.75	0.76	0.15	0.56	63.06	ppb
Selenium	78-2	0.63	-0.15	1.19	0.56	121.37	ppb
Silicon	28-1	0.44	1.82	-0.16	0.70	144.56	ppb
Silver	107-1	0.11	0.11	0.10	0.11	5.56	ppb
Silver	109-1	0.10	0.12	0.11	0.11	6.69	ppb
Sodium	23-2	49.90	48.91	48.41	49.07	1.55	ppb
Strontium	86-1	2.41	3.13	2.74	2.76	12.95	ppb
Strontium	88-1	2.63	2.83	2.64	2.70	4.31	ppb
Sulfur	34-1	-52.80	204.03	-153.04	-0.61		ppb
Terbium	159-1				101		%
Terbium	159-2				102		%
Thallium	203-1	0.10	0.10	0.09	0.10	8.16	ppb
Thallium	205-1	0.09	0.10	0.09	0.10	5.49	ppb
Tin	118-1	0.58	0.62	0.57	0.59	4.26	ppb
Titanium	47-1	0.56	0.61	0.53	0.56	7.77	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	S01	Instrumnet Name :	P7
Client Sample ID :	S01	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 14:46:11	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.09	0.09	0.09	0.09	3.45	ppb
Vanadium	51-2	0.56	0.52	0.51	0.53	4.39	ppb
Yttrium	89-1				102		%
Yttrium	89-2				103		%
Zinc	66-2	0.51	0.59	0.62	0.57	9.61	ppb
Zirconium	90-1	0.09	0.10	0.10	0.10	6.20	ppb
Zirconium	91-1	0.09	0.10	0.10	0.10	2.62	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P7
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 14:49:33	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	20.01	19.86	19.31	19.73	1.87	ppb
Antimony	121-1	2.13	2.23	2.23	2.20	2.72	ppb
Arsenic	75-2	1.17	1.42	1.27	1.29	9.97	ppb
Barium	135-1	10.63	10.88	10.87	10.79	1.30	ppb
Barium	137-1	10.66	10.93	10.85	10.81	1.25	ppb
Beryllium	9-1	1.08	1.16	1.12	1.12	3.26	ppb
Bismuth	209-1				102		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.23	1.14	1.31	1.22	6.92	ppb
Cadmium	106-1	1.67	1.95	1.77	1.80	8.05	ppb
Cadmium	111-1	1.17	1.27	1.18	1.21	4.66	ppb
Calcium	43-1	539.20	546.16	547.71	544.36	0.83	ppb
Calcium	44-1	548.70	555.46	565.83	556.66	1.55	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.18	2.15	2.05	2.13	3.31	ppb
Cobalt	59-2	1.11	1.13	1.09	1.11	1.67	ppb
Copper	63-2	2.11	2.04	2.02	2.06	2.29	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				101		%
Indium	115-1				103		%
Indium	115-2				102		%
Iron	56-2	56.86	57.31	56.35	56.84	0.85	ppb
Iron	57-2	58.28	60.96	59.65	59.63	2.25	ppb
Iron	54-2	59.05	59.09	57.64	58.59	1.41	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P7
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 14:49:33	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.98	1.03	1.01	1.01	2.85	ppb
Lead	207-1	1.01	0.99	1.01	1.01	0.95	ppb
Lead	208-1	0.97	1.01	1.02	1.00	2.79	ppb
Lithium	6-1				103		%
Magnesium	24-2	532.66	542.33	526.48	533.82	1.50	ppb
Manganese	55-2	1.05	1.02	1.01	1.03	1.73	ppb
Molybdenum	94-1	5.88	6.31	6.25	6.15	3.77	ppb
Molybdenum	95-1	5.19	5.26	5.22	5.23	0.68	ppb
Molybdenum	96-1	5.29	5.33	5.28	5.30	0.50	ppb
Molybdenum	97-1	5.28	5.26	5.31	5.28	0.52	ppb
Molybdenum	98-1	5.10	5.25	5.20	5.18	1.47	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.10	1.13	1.00	1.08	6.24	ppb
Phosphorus	31-2	26.27	29.28	20.78	25.44	16.93	ppb
Potassium	39-2	542.57	557.95	544.68	548.40	1.52	ppb
Rhodium	103-1				103		%
Rhodium	103-2				103		%
Scandium	45-1				104		%
Scandium	45-2				102		%
Selenium	82-1	5.57	5.66	5.37	5.53	2.71	ppb
Selenium	77-2	6.63	4.75	4.75	5.37	20.20	ppb
Selenium	78-2	6.22	7.14	6.63	6.66	6.85	ppb
Silicon	28-1	1.02	1.18	1.25	1.15	10.14	ppb
Silver	107-1	1.13	1.13	1.11	1.12	1.00	ppb
Silver	109-1	1.09	1.12	1.15	1.12	2.50	ppb
Sodium	23-2	494.64	501.81	487.63	494.69	1.43	ppb
Strontium	86-1	26.84	25.78	27.69	26.77	3.57	ppb
Strontium	88-1	26.22	26.62	26.42	26.42	0.76	ppb
Sulfur	34-1	-71.20	30.33	94.70	17.94	466.09	ppb
Terbium	159-1				102		%
Terbium	159-2				102		%
Thallium	203-1	1.00	1.01	1.05	1.02	2.59	ppb
Thallium	205-1	0.97	1.03	1.02	1.01	2.88	ppb
Tin	118-1	5.58	5.72	5.58	5.63	1.45	ppb
Titanium	47-1	5.27	5.27	5.33	5.29	0.58	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P7
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 14:49:33	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.90	0.95	0.93	0.93	2.72	ppb
Vanadium	51-2	5.41	5.47	5.43	5.44	0.60	ppb
Yttrium	89-1				104		%
Yttrium	89-2				102		%
Zinc	66-2	5.22	5.50	5.29	5.34	2.75	ppb
Zirconium	90-1	1.00	1.02	1.00	1.01	1.41	ppb
Zirconium	91-1	0.96	1.07	1.03	1.02	5.51	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P7
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 14:52:53	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	989.98	990.42	988.12	989.51	0.12	ppb
Antimony	121-1	53.39	52.48	53.85	53.24	1.31	ppb
Arsenic	75-2	55.44	54.46	55.31	55.07	0.97	ppb
Barium	135-1	258.91	258.11	265.02	260.68	1.45	ppb
Barium	137-1	262.12	262.17	269.53	264.61	1.61	ppb
Beryllium	9-1	53.59	53.52	54.37	53.83	0.88	ppb
Bismuth	209-1				102		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	57.63	56.47	58.45	57.52	1.73	ppb
Cadmium	106-1	59.88	58.57	59.01	59.15	1.13	ppb
Cadmium	111-1	55.21	55.28	56.51	55.67	1.31	ppb
Calcium	43-1	5432.41	5415.55	5612.40	5486.79	1.99	ppb
Calcium	44-1	5290.03	5267.50	5391.66	5316.40	1.24	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	51.70	51.99	51.76	51.82	0.30	ppb
Cobalt	59-2	51.96	52.18	52.00	52.05	0.23	ppb
Copper	63-2	551.93	548.22	542.19	547.45	0.90	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				100		%
Indium	115-1				102		%
Indium	115-2				99		%
Iron	56-2	2749.16	2724.96	2741.56	2738.56	0.45	ppb
Iron	57-2	2750.75	2764.99	2765.96	2760.57	0.31	ppb
Iron	54-2	2789.36	2805.58	2805.55	2800.16	0.33	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P7
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 14:52:53	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	253.15	262.39	255.50	257.01	1.87	ppb
Lead	207-1	258.35	259.67	254.93	257.65	0.95	ppb
Lead	208-1	256.71	261.50	257.85	258.69	0.97	ppb
Lithium	6-1				104		%
Magnesium	24-2	5224.83	5261.50	5243.89	5243.41	0.35	ppb
Manganese	55-2	523.05	528.65	522.05	524.58	0.68	ppb
Molybdenum	94-1	529.29	523.23	519.46	523.99	0.95	ppb
Molybdenum	95-1	529.49	520.20	523.72	524.47	0.89	ppb
Molybdenum	96-1	523.59	524.56	523.64	523.93	0.10	ppb
Molybdenum	97-1	528.12	524.77	535.18	529.36	1.00	ppb
Molybdenum	98-1	522.09	520.60	523.57	522.09	0.29	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	53.78	53.54	53.91	53.74	0.35	ppb
Phosphorus	31-2	1063.60	1099.63	1062.08	1075.10	1.98	ppb
Potassium	39-2	2641.06	2624.07	2672.66	2645.93	0.93	ppb
Rhodium	103-1				102		%
Rhodium	103-2				99		%
Scandium	45-1				102		%
Scandium	45-2				98		%
Selenium	82-1	54.54	56.14	56.08	55.59	1.63	ppb
Selenium	77-2	58.79	55.91	56.20	56.97	2.78	ppb
Selenium	78-2	56.48	53.72	58.00	56.07	3.87	ppb
Silicon	28-1	62.95	62.31	64.32	63.19	1.63	ppb
Silver	107-1	57.03	56.46	58.26	57.25	1.61	ppb
Silver	109-1	56.65	56.49	57.96	57.03	1.41	ppb
Sodium	23-2	5223.93	5288.54	5253.17	5255.21	0.62	ppb
Strontium	86-1	1274.03	1286.46	1283.82	1281.44	0.51	ppb
Strontium	88-1	1324.15	1316.76	1331.98	1324.29	0.57	ppb
Sulfur	34-1	1095.85	1029.41	1168.33	1097.86	6.33	ppb
Terbium	159-1				103		%
Terbium	159-2				100		%
Thallium	203-1	49.11	50.35	49.89	49.78	1.26	ppb
Thallium	205-1	48.88	50.39	49.43	49.56	1.54	ppb
Tin	118-1	53.67	53.16	54.91	53.91	1.66	ppb
Titanium	47-1	509.08	507.22	519.30	511.87	1.27	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P7
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 14:52:53	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	47.78	50.10	48.93	48.93	2.37	ppb
Vanadium	51-2	51.73	51.44	51.50	51.56	0.29	ppb
Yttrium	89-1				102		%
Yttrium	89-2				99		%
Zinc	66-2	526.01	529.66	529.89	528.52	0.41	ppb
Zirconium	90-1	50.78	51.12	50.84	50.91	0.35	ppb
Zirconium	91-1	50.89	51.36	51.55	51.27	0.66	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P7
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 14:55:56	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2402.39	2373.71	2362.59	2379.56	0.86	ppb
Antimony	121-1	124.36	126.71	126.64	125.90	1.06	ppb
Arsenic	75-2	131.53	129.67	130.51	130.57	0.71	ppb
Barium	135-1	638.24	653.45	661.22	650.97	1.80	ppb
Barium	137-1	642.01	651.97	654.89	649.62	1.04	ppb
Beryllium	9-1	127.96	128.29	129.73	128.66	0.73	ppb
Bismuth	209-1				104		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	133.68	136.47	136.30	135.48	1.16	ppb
Cadmium	106-1	132.68	139.20	136.52	136.13	2.41	ppb
Cadmium	111-1	129.70	131.38	132.43	131.17	1.05	ppb
Calcium	43-1	13057.49	13258.71	13259.10	13191.77	0.88	ppb
Calcium	44-1	12909.46	12912.44	12785.93	12869.28	0.56	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	125.16	123.84	123.54	124.18	0.69	ppb
Cobalt	59-2	125.03	125.43	124.32	124.93	0.45	ppb
Copper	63-2	1318.65	1297.54	1290.68	1302.29	1.12	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				99		%
Indium	115-1				98		%
Indium	115-2				95		%
Iron	56-2	6599.57	6504.92	6514.54	6539.67	0.80	ppb
Iron	57-2	6663.56	6646.13	6581.22	6630.30	0.65	ppb
Iron	54-2	6667.98	6654.08	6674.66	6665.57	0.16	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P7
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 14:55:56	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	622.24	627.77	615.98	622.00	0.95	ppb
Lead	207-1	627.75	615.62	620.84	621.40	0.98	ppb
Lead	208-1	623.06	619.75	622.08	621.63	0.27	ppb
Lithium	6-1				102		%
Magnesium	24-2	12409.87	12427.24	12412.63	12416.58	0.08	ppb
Manganese	55-2	1249.99	1253.61	1247.13	1250.24	0.26	ppb
Molybdenum	94-1	1280.65	1259.54	1224.23	1254.81	2.27	ppb
Molybdenum	95-1	1277.18	1271.46	1226.72	1258.45	2.20	ppb
Molybdenum	96-1	1275.73	1267.01	1245.31	1262.68	1.24	ppb
Molybdenum	97-1	1281.33	1264.56	1244.04	1263.31	1.48	ppb
Molybdenum	98-1	1276.77	1258.92	1245.21	1260.30	1.26	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	128.27	125.80	125.94	126.67	1.09	ppb
Phosphorus	31-2	2582.66	2611.59	2512.44	2568.90	1.98	ppb
Potassium	39-2	6325.51	6234.52	6249.73	6269.92	0.78	ppb
Rhodium	103-1				97		%
Rhodium	103-2				95		%
Scandium	45-1				96		%
Scandium	45-2				92		%
Selenium	82-1	129.88	132.19	130.13	130.73	0.97	ppb
Selenium	77-2	133.00	135.37	128.16	132.18	2.78	ppb
Selenium	78-2	130.93	137.92	131.72	133.52	2.87	ppb
Silicon	28-1	138.64	141.03	138.58	139.42	1.00	ppb
Silver	107-1	135.94	136.54	138.44	136.97	0.95	ppb
Silver	109-1	137.35	136.67	138.22	137.42	0.56	ppb
Sodium	23-2	12500.61	12451.26	12447.38	12466.42	0.24	ppb
Strontium	86-1	3106.98	3096.74	3033.75	3079.16	1.29	ppb
Strontium	88-1	3158.69	3164.12	3164.20	3162.34	0.10	ppb
Sulfur	34-1	2596.83	2587.83	2591.12	2591.92	0.18	ppb
Terbium	159-1				102		%
Terbium	159-2				99		%
Thallium	203-1	117.70	118.51	119.13	118.45	0.60	ppb
Thallium	205-1	124.43	124.40	124.51	124.45	0.05	ppb
Tin	118-1	125.61	127.85	128.61	127.36	1.22	ppb
Titanium	47-1	1263.19	1285.19	1258.54	1268.97	1.12	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P7
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 14:55:56	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	118.99	117.37	119.66	118.67	0.99	ppb
Vanadium	51-2	124.31	123.31	122.79	123.47	0.62	ppb
Yttrium	89-1				99		%
Yttrium	89-2				94		%
Zinc	66-2	1282.37	1267.26	1266.73	1272.12	0.70	ppb
Zirconium	90-1	125.89	127.28	126.65	126.61	0.55	ppb
Zirconium	91-1	123.60	122.60	121.85	122.69	0.72	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P7
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 14:58:53	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	5033.80	4965.76	4880.71	4960.09	1.55	ppb
Antimony	121-1	244.45	252.44	259.75	252.22	3.03	ppb
Arsenic	75-2	256.57	256.04	255.81	256.14	0.15	ppb
Barium	135-1	1228.47	1244.10	1284.03	1252.20	2.29	ppb
Barium	137-1	1229.27	1274.77	1296.98	1267.01	2.72	ppb
Beryllium	9-1	236.40	246.70	256.09	246.39	4.00	ppb
Bismuth	209-1				104		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	252.22	266.41	265.75	261.46	3.06	ppb
Cadmium	106-1	248.63	262.99	267.46	259.69	3.79	ppb
Cadmium	111-1	244.64	256.32	257.42	252.79	2.80	ppb
Calcium	43-1	25061.00	25943.75	26255.99	25753.58	2.41	ppb
Calcium	44-1	24516.44	25340.76	25779.18	25212.12	2.54	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	245.49	247.11	245.15	245.92	0.43	ppb
Cobalt	59-2	253.07	255.78	252.94	253.93	0.63	ppb
Copper	63-2	2585.11	2587.04	2575.52	2582.56	0.24	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				98		%
Indium	115-1				96		%
Indium	115-2				91		%
Iron	56-2	13007.53	13169.15	12983.25	13053.31	0.77	ppb
Iron	57-2	13291.77	13051.88	13085.39	13143.02	0.99	ppb
Iron	54-2	13372.47	13207.93	13233.59	13271.33	0.67	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P7
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 14:58:53	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1188.92	1248.38	1250.85	1229.38	2.85	ppb
Lead	207-1	1177.38	1256.98	1244.86	1226.41	3.50	ppb
Lead	208-1	1179.24	1247.02	1246.98	1224.41	3.20	ppb
Lithium	6-1				103		%
Magnesium	24-2	24868.48	25027.43	25129.39	25008.43	0.53	ppb
Manganese	55-2	2504.74	2517.92	2476.37	2499.68	0.85	ppb
Molybdenum	94-1	2435.82	2488.76	2496.96	2473.85	1.34	ppb
Molybdenum	95-1	2396.64	2526.86	2494.00	2472.50	2.74	ppb
Molybdenum	96-1	2421.50	2539.74	2511.76	2491.00	2.48	ppb
Molybdenum	97-1	2414.34	2518.41	2508.31	2480.35	2.31	ppb
Molybdenum	98-1	2415.47	2500.17	2488.84	2468.16	1.86	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	250.59	250.18	249.66	250.14	0.19	ppb
Phosphorus	31-2	5098.25	5208.70	4987.32	5098.09	2.17	ppb
Potassium	39-2	12653.57	12457.11	12493.27	12534.65	0.83	ppb
Rhodium	103-1				94		%
Rhodium	103-2				90		%
Scandium	45-1				93		%
Scandium	45-2				86		%
Selenium	82-1	250.06	260.85	259.60	256.83	2.30	ppb
Selenium	77-2	272.89	252.77	267.55	264.40	3.94	ppb
Selenium	78-2	262.75	265.60	258.60	262.32	1.34	ppb
Silicon	28-1	258.31	264.98	270.22	264.50	2.26	ppb
Silver	107-1	254.02	262.22	265.57	260.60	2.28	ppb
Silver	109-1	256.55	265.48	264.71	262.25	1.89	ppb
Sodium	23-2	25097.90	25348.89	25105.48	25184.09	0.57	ppb
Strontium	86-1	5862.32	6127.05	6111.22	6033.53	2.46	ppb
Strontium	88-1	6055.95	6308.38	6254.49	6206.27	2.14	ppb
Sulfur	34-1	4622.45	4830.99	4919.67	4791.04	3.18	ppb
Terbium	159-1				102		%
Terbium	159-2				98		%
Thallium	203-1	238.84	255.16	250.80	248.27	3.40	ppb
Thallium	205-1	241.63	249.42	251.95	247.67	2.17	ppb
Tin	118-1	245.99	255.02	258.60	253.20	2.57	ppb
Titanium	47-1	2366.25	2472.22	2513.94	2450.80	3.11	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P7
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 14:58:53	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	229.80	244.83	243.71	239.44	3.50	ppb
Vanadium	51-2	244.52	245.71	244.46	244.90	0.29	ppb
Yttrium	89-1				97		%
Yttrium	89-2				90		%
Zinc	66-2	2583.12	2592.17	2554.02	2576.44	0.77	ppb
Zirconium	90-1	240.55	250.34	246.62	245.84	2.01	ppb
Zirconium	91-1	233.44	246.07	246.78	242.10	3.10	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P7
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 15:01:40	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10099.10	10002.48	9913.20	10004.93	0.93	ppb
Antimony	121-1	505.03	518.39	510.90	511.44	1.31	ppb
Arsenic	75-2	506.91	506.77	503.55	505.75	0.38	ppb
Barium	135-1	2507.83	2554.70	2536.47	2533.00	0.93	ppb
Barium	137-1	2498.15	2547.34	2518.72	2521.40	0.98	ppb
Beryllium	9-1	488.86	494.44	486.92	490.08	0.80	ppb
Bismuth	209-1				102		%
Bismuth	209-2				96		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	506.26	517.56	516.51	513.44	1.22	ppb
Cadmium	106-1	510.69	521.96	510.92	514.53	1.25	ppb
Cadmium	111-1	495.99	508.05	499.65	501.23	1.23	ppb
Calcium	43-1	51205.17	51313.24	51385.31	51301.24	0.18	ppb
Calcium	44-1	51206.22	51588.90	51703.26	51499.46	0.51	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	507.46	509.29	510.94	509.23	0.34	ppb
Cobalt	59-2	508.63	506.46	510.05	508.38	0.36	ppb
Copper	63-2	5136.22	5052.59	5117.82	5102.21	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				99		%
Holmium	165-2				97		%
Indium	115-1				92		%
Indium	115-2				87		%
Iron	56-2	26390.89	26354.47	26446.87	26397.41	0.18	ppb
Iron	57-2	26790.32	26029.99	26383.06	26401.12	1.44	ppb
Iron	54-2	26650.71	26568.90	26674.74	26631.45	0.21	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P7
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 15:01:40	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2462.51	2521.33	2528.21	2504.02	1.44	ppb
Lead	207-1	2480.92	2524.12	2517.91	2507.65	0.93	ppb
Lead	208-1	2483.77	2522.95	2520.12	2508.95	0.87	ppb
Lithium	6-1				99		%
Magnesium	24-2	50282.89	50047.76	49803.76	50044.80	0.48	ppb
Manganese	55-2	5073.41	5064.99	5088.25	5075.55	0.23	ppb
Molybdenum	94-1	5013.39	5043.97	5024.03	5027.13	0.31	ppb
Molybdenum	95-1	5050.28	5065.37	4993.32	5036.32	0.75	ppb
Molybdenum	96-1	5058.55	5090.63	5007.36	5052.18	0.83	ppb
Molybdenum	97-1	5061.00	5031.27	4985.20	5025.82	0.76	ppb
Molybdenum	98-1	5066.05	5082.12	5031.31	5059.83	0.51	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	498.72	492.87	495.69	495.76	0.59	ppb
Phosphorus	31-2	10148.70	10245.33	10083.58	10159.20	0.80	ppb
Potassium	39-2	25129.51	25201.22	25157.74	25162.82	0.14	ppb
Rhodium	103-1				90		%
Rhodium	103-2				87		%
Scandium	45-1				88		%
Scandium	45-2				82		%
Selenium	82-1	514.69	512.43	508.97	512.03	0.56	ppb
Selenium	77-2	516.84	515.25	499.67	510.59	1.86	ppb
Selenium	78-2	511.02	519.71	506.28	512.34	1.33	ppb
Silicon	28-1	528.06	522.91	517.19	522.72	1.04	ppb
Silver	107-1	508.37	523.51	511.86	514.58	1.54	ppb
Silver	109-1	509.97	524.38	509.17	514.50	1.66	ppb
Sodium	23-2	50618.55	50316.54	50423.57	50452.89	0.30	ppb
Strontium	86-1	12603.33	12518.24	12926.96	12682.84	1.70	ppb
Strontium	88-1	12650.87	12578.82	12647.54	12625.74	0.32	ppb
Sulfur	34-1	10019.34	10020.16	9996.69	10012.06	0.13	ppb
Terbium	159-1				99		%
Terbium	159-2				97		%
Thallium	203-1	498.56	508.72	493.12	500.13	1.58	ppb
Thallium	205-1	493.30	507.80	502.37	501.16	1.46	ppb
Tin	118-1	503.91	511.62	513.23	509.59	0.98	ppb
Titanium	47-1	4979.84	5052.83	5026.17	5019.61	0.74	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P7
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 15:01:40	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	491.92	500.64	495.38	495.98	0.88	ppb
Vanadium	51-2	514.81	503.30	510.56	509.56	1.14	ppb
Yttrium	89-1				93		%
Yttrium	89-2				87		%
Zinc	66-2	5142.20	5118.32	5174.12	5144.88	0.54	ppb
Zirconium	90-1	502.98	500.23	501.55	501.59	0.27	ppb
Zirconium	91-1	503.14	513.17	497.86	504.72	1.54	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P7
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 15:04:29	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19553.87	19553.06	19400.04	19502.33	0.45	ppb
Antimony	121-1	985.53	993.66	1001.16	993.45	0.79	ppb
Arsenic	75-2	994.74	1002.32	986.87	994.64	0.78	ppb
Barium	135-1	4919.17	4985.13	5033.20	4979.17	1.15	ppb
Barium	137-1	4911.83	5008.13	5023.74	4981.24	1.22	ppb
Beryllium	9-1	1014.83	998.00	1002.81	1005.21	0.86	ppb
Bismuth	209-1				100		%
Bismuth	209-2				95		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	977.83	984.44	1003.92	988.73	1.37	ppb
Cadmium	106-1	977.41	990.50	997.48	988.46	1.03	ppb
Cadmium	111-1	978.76	1001.53	1012.61	997.63	1.73	ppb
Calcium	43-1	101271.49	102522.65	103168.07	102320.74	0.94	ppb
Calcium	44-1	101675.81	101433.02	102159.17	101756.00	0.36	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	987.80	998.81	1002.64	996.42	0.77	ppb
Cobalt	59-2	995.79	995.94	992.47	994.73	0.20	ppb
Copper	63-2	9895.32	9975.43	9887.30	9919.35	0.49	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				97		%
Indium	115-1				89		%
Indium	115-2				86		%
Iron	56-2	51417.99	51962.79	51536.35	51639.04	0.55	ppb
Iron	57-2	51619.85	52635.33	51935.27	52063.48	1.00	ppb
Iron	54-2	52122.49	52683.85	52109.56	52305.30	0.63	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P7
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 15:04:29	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	4971.89	5020.05	5017.57	5003.17	0.54	ppb
Lead	207-1	4964.39	5051.27	4990.76	5002.14	0.89	ppb
Lead	208-1	4975.43	5031.43	4998.88	5001.91	0.56	ppb
Lithium	6-1				98		%
Magnesium	24-2	98137.50	99127.83	97908.79	98391.38	0.66	ppb
Manganese	55-2	9931.42	10024.69	9927.02	9961.05	0.55	ppb
Molybdenum	94-1	9894.14	10078.99	10000.39	9991.17	0.93	ppb
Molybdenum	95-1	9812.98	10071.90	10074.43	9986.43	1.50	ppb
Molybdenum	96-1	9851.22	10018.95	10049.96	9973.38	1.07	ppb
Molybdenum	97-1	9881.36	10069.83	10015.41	9988.87	0.97	ppb
Molybdenum	98-1	9824.74	10095.19	10007.04	9975.66	1.38	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	989.94	1007.30	1007.83	1001.69	1.02	ppb
Phosphorus	31-2	19901.24	19957.90	19791.39	19883.51	0.43	ppb
Potassium	39-2	49026.55	50145.07	49216.03	49462.55	1.21	ppb
Rhodium	103-1				86		%
Rhodium	103-2				85		%
Scandium	45-1				86		%
Scandium	45-2				82		%
Selenium	82-1	976.86	992.94	1004.03	991.28	1.38	ppb
Selenium	77-2	977.83	1000.81	990.94	989.86	1.16	ppb
Selenium	78-2	985.77	992.12	990.24	989.38	0.33	ppb
Silicon	28-1	980.75	987.33	979.84	982.64	0.42	ppb
Silver	107-1	978.35	989.67	996.57	988.20	0.93	ppb
Silver	109-1	975.12	992.09	996.13	987.78	1.13	ppb
Sodium	23-2	99740.99	101074.08	99640.40	100151.82	0.80	ppb
Strontium	86-1	24685.19	25086.11	25129.26	24966.85	0.98	ppb
Strontium	88-1	24599.43	25054.37	25165.23	24939.68	1.20	ppb
Sulfur	34-1	20020.03	19940.86	20128.58	20029.82	0.47	ppb
Terbium	159-1				99		%
Terbium	159-2				97		%
Thallium	203-1	992.60	1000.05	1010.94	1001.20	0.92	ppb
Thallium	205-1	999.25	994.46	1006.58	1000.10	0.61	ppb
Tin	118-1	987.68	989.46	1004.59	993.91	0.94	ppb
Titanium	47-1	9886.97	10059.14	10052.47	9999.53	0.98	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P7
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 15:04:29	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	996.14	1007.05	1013.29	1005.49	0.86	ppb
Vanadium	51-2	987.13	1002.90	999.80	996.61	0.84	ppb
Yttrium	89-1				92		%
Yttrium	89-2				87		%
Zinc	66-2	9777.66	10002.05	9933.06	9904.26	1.16	ppb
Zirconium	90-1	985.97	1006.17	1007.87	1000.00	1.22	ppb
Zirconium	91-1	982.21	1001.98	1015.33	999.84	1.67	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P7
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 15:07:16	DataFile Name :	012CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	100596.08	100233.97	99482.42	100104.15	0.57	ppb
Antimony	121-1	0.71	0.65	0.61	0.66	7.57	ppb
Arsenic	75-2	0.70	0.59	0.80	0.70	15.08	ppb
Barium	135-1	2.53	2.32	2.22	2.36	6.70	ppb
Barium	137-1	2.56	2.44	2.27	2.43	6.06	ppb
Beryllium	9-1	0.35	0.31	0.29	0.32	9.26	ppb
Bismuth	209-1				89		%
Bismuth	209-2				85		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.64	0.37	0.49	0.50	27.99	ppb
Cadmium	106-1	-0.54	0.57	0.52	0.19	338.53	ppb
Cadmium	111-1	0.23	0.20	0.20	0.21	9.12	ppb
Calcium	43-1	477830.69	508937.24	511269.59	499345.84	3.74	ppb
Calcium	44-1	481298.14	510077.41	507051.84	499475.79	3.17	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.15	1.24	1.14	1.17	4.57	ppb
Cobalt	59-2	2.59	2.64	2.64	2.62	1.08	ppb
Copper	63-2	2.50	2.36	2.35	2.40	3.47	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				97		%
Holmium	165-2				94		%
Indium	115-1				86		%
Indium	115-2				85		%
Iron	56-2	250820.51	248493.75	249171.21	249495.16	0.48	ppb
Iron	57-2	251403.26	248476.28	248329.23	249402.92	0.70	ppb
Iron	54-2	252192.31	248810.79	246968.41	249323.84	1.06	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P7
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 15:07:16	DataFile Name :	012CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1.99	1.83	1.66	1.83	8.95	ppb
Lead	207-1	1.98	1.75	1.63	1.79	9.95	ppb
Lead	208-1	1.95	1.78	1.65	1.79	8.50	ppb
Lithium	6-1				95		%
Magnesium	24-2	504851.60	500509.06	495588.65	500316.44	0.93	ppb
Manganese	55-2	4.72	4.70	4.54	4.65	2.16	ppb
Molybdenum	94-1	3.47	3.08	2.71	3.09	12.21	ppb
Molybdenum	95-1	2.59	2.10	1.80	2.16	18.42	ppb
Molybdenum	96-1	4.10	3.66	3.33	3.70	10.40	ppb
Molybdenum	97-1	2.67	2.14	1.80	2.20	19.84	ppb
Molybdenum	98-1	2.52	2.04	1.68	2.08	20.18	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	4.36	4.64	4.46	4.49	3.15	ppb
Phosphorus	31-2	-1.65	-0.89	-4.12	-2.22		ppb
Potassium	39-2	251930.40	248404.42	249927.45	250087.42	0.71	ppb
Rhodium	103-1				81		%
Rhodium	103-2				80		%
Scandium	45-1				87		%
Scandium	45-2				87		%
Selenium	82-1	1.41	1.01	1.42	1.28	18.05	ppb
Selenium	77-2	0.71	0.53	0.52	0.59	18.40	ppb
Selenium	78-2	-0.25	-0.89	-0.17	-0.44		ppb
Silicon	28-1	-1.66	-0.93	-1.40	-1.33		ppb
Silver	107-1	0.26	0.21	0.18	0.22	19.20	ppb
Silver	109-1	0.25	0.20	0.18	0.21	16.57	ppb
Sodium	23-2	504187.53	498406.35	497146.43	499913.43	0.75	ppb
Strontium	86-1	71.14	75.88	74.25	73.75	3.26	ppb
Strontium	88-1	73.50	74.26	73.45	73.73	0.62	ppb
Sulfur	34-1	-447.01	-203.26	-152.15	-267.47		ppb
Terbium	159-1				96		%
Terbium	159-2				93		%
Thallium	203-1	0.22	0.18	0.16	0.19	17.48	ppb
Thallium	205-1	0.24	0.18	0.16	0.19	21.23	ppb
Tin	118-1	0.34	0.29	0.24	0.29	15.88	ppb
Titanium	47-1	2.21	1.80	1.57	1.86	17.46	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P7
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 15:07:16	DataFile Name :	012CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.20	0.15	0.13	0.16	24.47	ppb
Vanadium	51-2	0.23	0.23	0.19	0.22	10.71	ppb
Yttrium	89-1				90		%
Yttrium	89-2				88		%
Zinc	66-2	13.87	14.12	13.70	13.90	1.51	ppb
Zirconium	90-1	0.67	0.69	0.63	0.66	4.86	ppb
Zirconium	91-1	0.68	0.64	0.61	0.64	5.44	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	ICV002	Instrumnet Name :	P7
Client Sample ID :	ICV002	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 15:30:11	DataFile Name :	013ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	483.83	483.19	480.83	482.62	0.33	ppb
Antimony	121-1	213.29	217.84	218.70	216.61	1.34	ppb
Arsenic	75-2	218.95	218.65	215.58	217.73	0.86	ppb
Barium	135-1	100.55	102.84	101.85	101.74	1.13	ppb
Barium	137-1	101.78	105.08	104.36	103.74	1.67	ppb
Beryllium	9-1	107.83	104.73	108.05	106.87	1.74	ppb
Bismuth	209-1				103		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	122.74	125.75	124.97	124.49	1.25	ppb
Cadmium	106-1	94.24	95.11	94.45	94.60	0.48	ppb
Cadmium	111-1	103.05	105.81	104.95	104.60	1.35	ppb
Calcium	43-1	2082.58	2083.07	2121.90	2095.85	1.08	ppb
Calcium	44-1	2064.66	2106.60	2147.69	2106.32	1.97	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	104.68	105.78	103.95	104.80	0.88	ppb
Cobalt	59-2	105.68	105.41	105.16	105.42	0.25	ppb
Copper	63-2	101.09	101.76	100.99	101.28	0.41	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				97		%
Indium	115-1				97		%
Indium	115-2				93		%
Iron	56-2	2152.74	2159.31	2137.16	2149.74	0.53	ppb
Iron	57-2	2172.59	2178.32	2181.33	2177.42	0.20	ppb
Iron	54-2	2264.42	2288.79	2262.81	2272.01	0.64	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	ICV002	Instrumnet Name :	P7
Client Sample ID :	ICV002	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 15:30:11	DataFile Name :	013ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	209.57	209.36	212.59	210.51	0.86	ppb
Lead	207-1	183.02	189.90	190.26	187.73	2.17	ppb
Lead	208-1	198.44	202.68	203.40	201.51	1.33	ppb
Lithium	6-1				103		%
Magnesium	24-2	1188.13	1197.38	1182.89	1189.46	0.62	ppb
Manganese	55-2	102.00	102.41	102.57	102.32	0.29	ppb
Molybdenum	94-1	4047.36	3963.20	3996.50	4002.35	1.06	ppb
Molybdenum	95-1	4891.81	4839.15	4849.27	4860.08	0.57	ppb
Molybdenum	96-1	4794.83	4744.80	4799.51	4779.71	0.63	ppb
Molybdenum	97-1	4851.09	4839.40	4844.60	4845.03	0.12	ppb
Molybdenum	98-1	4803.82	4782.71	4838.06	4808.19	0.58	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	107.72	108.12	107.71	107.85	0.22	ppb
Phosphorus	31-2	-15.63	-19.00	-15.78	-16.80		ppb
Potassium	39-2	2052.65	2063.76	2049.27	2055.23	0.37	ppb
Rhodium	103-1				96		%
Rhodium	103-2				94		%
Scandium	45-1				95		%
Scandium	45-2				89		%
Selenium	82-1	215.66	213.68	218.09	215.81	1.02	ppb
Selenium	77-2	220.85	230.62	223.55	225.01	2.24	ppb
Selenium	78-2	219.22	220.76	218.81	219.60	0.47	ppb
Silicon	28-1	-3.05	-3.63	-3.36	-3.35		ppb
Silver	107-1	51.10	52.60	51.97	51.89	1.45	ppb
Silver	109-1	51.23	52.53	52.36	52.04	1.35	ppb
Sodium	23-2	2095.35	2060.58	2043.57	2066.50	1.28	ppb
Strontium	86-1	5.92	6.60	6.35	6.29	5.47	ppb
Strontium	88-1	6.44	6.36	6.30	6.37	1.04	ppb
Sulfur	34-1	-32.63	-187.17	-166.04	-128.61		ppb
Terbium	159-1				100		%
Terbium	159-2				97		%
Thallium	203-1	203.38	205.46	208.01	205.62	1.13	ppb
Thallium	205-1	202.92	207.95	207.65	206.17	1.37	ppb
Tin	118-1	0.01	0.01	0.01	0.01	10.51	ppb
Titanium	47-1	0.23	0.24	0.21	0.23	6.72	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	ICV002	Instrumnet Name :	P7
Client Sample ID :	ICV002	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 15:30:11	DataFile Name :	013ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	16.57	ppb
Vanadium	51-2	101.97	101.48	100.92	101.46	0.52	ppb
Yttrium	89-1				97		%
Yttrium	89-2				92		%
Zinc	66-2	208.73	211.17	208.85	209.58	0.66	ppb
Zirconium	90-1	0.02	0.02	0.02	0.02	9.97	ppb
Zirconium	91-1	0.08	0.10	0.07	0.08	16.75	ppb

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	ICB002	Instrumnet Name :	P7
Client Sample ID :	ICB002	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 15:38:52	DataFile Name :	015CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.07	0.13	0.19	0.08	161.35	ppb
Antimony	121-1	0.02	0.02	0.02	0.02	5.41	ppb
Arsenic	75-2	-0.02	-0.02	-0.01	-0.02		ppb
Barium	135-1	-0.01	0.00	-0.01	-0.01		ppb
Barium	137-1	0.00	0.00	0.00	0.00		ppb
Beryllium	9-1	0.03	0.03	0.01	0.02	61.11	ppb
Bismuth	209-1				101		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.01	-0.01	0.01	0.00	2399.60	ppb
Cadmium	106-1	0.68	-0.62	-0.35	-0.10		ppb
Cadmium	111-1	0.01	-0.02	0.00	0.00		ppb
Calcium	43-1	0.02	0.62	-0.74	-0.03		ppb
Calcium	44-1	0.40	-0.02	-0.34	0.02	2288.59	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.01	-0.02	0.01	-0.01		ppb
Cobalt	59-2	-0.01	0.00	-0.01	0.00		ppb
Copper	63-2	-0.01	0.00	0.01	0.00	789.54	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				99		%
Holmium	165-2				98		%
Indium	115-1				98		%
Indium	115-2				97		%
Iron	56-2	-0.04	-0.24	-0.15	-0.14		ppb
Iron	57-2	-0.61	-0.89	-0.71	-0.74		ppb
Iron	54-2	0.41	-0.91	-0.05	-0.18		ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	ICB002	Instrumnet Name :	P7
Client Sample ID :	ICB002	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 15:38:52	DataFile Name :	015CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.01	0.00	0.01	0.01	74.70	ppb
Lead	207-1	0.01	0.01	0.00	0.01	66.10	ppb
Lead	208-1	0.01	0.01	0.01	0.01	18.33	ppb
Lithium	6-1				104		%
Magnesium	24-2	0.00	0.03	0.25	0.09	151.51	ppb
Manganese	55-2	-0.01	0.00	0.00	0.00		ppb
Molybdenum	94-1	0.02	0.03	0.02	0.02	10.04	ppb
Molybdenum	95-1	0.02	0.01	0.01	0.01	62.21	ppb
Molybdenum	96-1	0.02	0.03	0.02	0.02	11.09	ppb
Molybdenum	97-1	0.03	0.01	0.03	0.02	46.27	ppb
Molybdenum	98-1	0.02	0.02	0.02	0.02	10.58	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.01	-0.03	-0.01	-0.01		ppb
Phosphorus	31-2	-14.62	-14.85	-16.00	-15.16		ppb
Potassium	39-2	-2.69	-2.61	-0.90	-2.07		ppb
Rhodium	103-1				97		%
Rhodium	103-2				98		%
Scandium	45-1				96		%
Scandium	45-2				96		%
Selenium	82-1	0.20	-0.21	-0.23	-0.08		ppb
Selenium	77-2	0.32	0.00	0.00	0.11	173.21	ppb
Selenium	78-2	-0.94	-0.41	-0.54	-0.63		ppb
Silicon	28-1	-1.48	-1.81	-1.68	-1.66		ppb
Silver	107-1	0.01	0.01	0.01	0.01	22.06	ppb
Silver	109-1	0.01	0.01	0.01	0.01	39.22	ppb
Sodium	23-2	4.02	3.03	3.48	3.51	14.19	ppb
Strontium	86-1	0.33	0.31	0.08	0.24	56.82	ppb
Strontium	88-1	0.04	0.00	0.00	0.01	240.03	ppb
Sulfur	34-1	108.30	6.91	8.96	41.39	140.02	ppb
Terbium	159-1				99		%
Terbium	159-2				99		%
Thallium	203-1	0.00	0.00	0.00	0.00		ppb
Thallium	205-1	0.00	0.01	0.00	0.00	79.81	ppb
Tin	118-1	0.01	0.01	0.00	0.01	36.09	ppb
Titanium	47-1	0.02	0.03	0.00	0.02	88.28	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	ICB002	Instrumnet Name :	P7
Client Sample ID :	ICB002	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 15:38:52	DataFile Name :	015CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	204.13	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00		ppb
Yttrium	89-1				98		%
Yttrium	89-2				96		%
Zinc	66-2	0.13	0.11	0.12	0.12	8.30	ppb
Zirconium	90-1	0.00	0.00	0.00	0.00	1511.94	ppb
Zirconium	91-1	0.01	0.01	0.01	0.01	7.15	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	ICSA002	Instrumnet Name :	P7
Client Sample ID :	ICSA002	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 15:42:22	DataFile Name :	016ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	92030.79	90928.75	91591.21	91516.92	0.61	ppb
Antimony	121-1	1.13	1.10	1.16	1.13	2.30	ppb
Arsenic	75-2	0.38	0.34	0.25	0.32	19.51	ppb
Barium	135-1	1.37	1.36	1.35	1.36	1.03	ppb
Barium	137-1	1.36	1.36	1.38	1.36	0.75	ppb
Beryllium	9-1	0.31	0.30	0.26	0.29	10.47	ppb
Bismuth	209-1				98		%
Bismuth	209-2				96		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	9.05	8.28	8.02	8.45	6.33	ppb
Cadmium	106-1	-1.60	-2.03	-2.02	-1.88		ppb
Cadmium	111-1	0.33	0.30	0.30	0.31	6.53	ppb
Calcium	43-1	101212.39	100639.14	102136.10	101329.21	0.75	ppb
Calcium	44-1	100915.16	100741.61	101742.46	101133.08	0.53	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	20.04	19.59	19.69	19.77	1.20	ppb
Cobalt	59-2	1.23	1.27	1.20	1.23	2.82	ppb
Copper	63-2	7.20	7.05	7.08	7.11	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				101		%
Holmium	165-2				100		%
Indium	115-1				92		%
Indium	115-2				91		%
Iron	56-2	104563.70	103724.19	102695.04	103660.97	0.90	ppb
Iron	57-2	104373.60	103381.81	101786.29	103180.56	1.27	ppb
Iron	54-2	104376.62	103299.88	103317.43	103664.65	0.59	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	ICSA002	Instrumnet Name :	P7
Client Sample ID :	ICSA002	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 15:42:22	DataFile Name :	016ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	4.80	4.77	4.76	4.78	0.45	ppb
Lead	207-1	4.31	4.33	4.31	4.32	0.27	ppb
Lead	208-1	4.49	4.48	4.46	4.48	0.41	ppb
Lithium	6-1				98		%
Magnesium	24-2	98879.60	97399.31	98805.35	98361.42	0.85	ppb
Manganese	55-2	7.64	7.72	7.75	7.70	0.77	ppb
Molybdenum	94-1	1595.76	1620.08	1599.01	1604.95	0.82	ppb
Molybdenum	95-1	1943.07	1966.01	1969.08	1959.39	0.73	ppb
Molybdenum	96-1	1907.56	1939.63	1950.11	1932.43	1.15	ppb
Molybdenum	97-1	1935.10	1953.89	1968.94	1952.65	0.87	ppb
Molybdenum	98-1	1925.48	1974.11	1965.29	1954.96	1.33	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	5.55	5.10	5.07	5.24	5.13	ppb
Phosphorus	31-2	104352.69	102882.46	102735.84	103323.66	0.87	ppb
Potassium	39-2	98247.92	97239.87	97892.15	97793.31	0.52	ppb
Rhodium	103-1				87		%
Rhodium	103-2				89		%
Scandium	45-1				88		%
Scandium	45-2				87		%
Selenium	82-1	0.55	0.08	0.16	0.26	94.86	ppb
Selenium	77-2	0.17	0.17	0.17	0.17	0.16	ppb
Selenium	78-2	-1.67	-1.47	-0.62	-1.25		ppb
Silicon	28-1	0.30	-0.29	-0.15	-0.05		ppb
Silver	107-1	0.05	0.04	0.04	0.04	14.78	ppb
Silver	109-1	0.05	0.04	0.04	0.04	17.52	ppb
Sodium	23-2	99834.68	98731.85	98610.30	99058.95	0.68	ppb
Strontium	86-1	828.10	833.46	841.41	834.32	0.80	ppb
Strontium	88-1	829.55	843.88	845.37	839.60	1.04	ppb
Sulfur	34-1	107836.98	106229.93	107302.50	107123.14	0.76	ppb
Terbium	159-1				99		%
Terbium	159-2				100		%
Thallium	203-1	0.11	0.11	0.08	0.10	14.05	ppb
Thallium	205-1	0.10	0.10	0.09	0.10	4.82	ppb
Tin	118-1	0.17	0.17	0.14	0.16	10.20	ppb
Titanium	47-1	2015.42	1991.49	2045.86	2017.59	1.35	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	ICSA002	Instrumnet Name :	P7
Client Sample ID :	ICSA002	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 15:42:22	DataFile Name :	016ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.02	0.01	0.02	0.02	5.68	ppb
Vanadium	51-2	0.20	0.20	0.20	0.20	0.29	ppb
Yttrium	89-1				94		%
Yttrium	89-2				92		%
Zinc	66-2	10.95	11.09	10.76	10.93	1.53	ppb
Zirconium	90-1	0.02	0.03	0.03	0.03	15.33	ppb
Zirconium	91-1	0.02	0.04	0.05	0.04	35.64	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	ICSAB002	Instrumnet Name :	P7
Client Sample ID :	ICSAB002	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 15:45:27	DataFile Name :	017ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	93662.65	93500.32	93196.44	93453.14	0.25	ppb
Antimony	121-1	20.93	21.97	21.69	21.53	2.51	ppb
Arsenic	75-2	22.13	21.64	21.61	21.79	1.35	ppb
Barium	135-1	21.18	22.27	21.72	21.73	2.49	ppb
Barium	137-1	21.58	22.07	21.95	21.86	1.17	ppb
Beryllium	9-1	21.05	21.50	20.99	21.18	1.32	ppb
Bismuth	209-1				102		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	24.83	26.81	25.53	25.72	3.89	ppb
Cadmium	106-1	15.03	17.82	16.76	16.54	8.51	ppb
Cadmium	111-1	19.00	19.94	19.54	19.49	2.42	ppb
Calcium	43-1	102247.40	103494.17	105278.12	103673.23	1.47	ppb
Calcium	44-1	102968.17	103485.01	103251.84	103235.01	0.25	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	40.42	40.30	40.52	40.41	0.27	ppb
Cobalt	59-2	21.46	21.35	21.40	21.40	0.24	ppb
Copper	63-2	26.50	26.19	26.34	26.35	0.58	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				101		%
Indium	115-1				96		%
Indium	115-2				93		%
Iron	56-2	105128.36	105046.17	104832.01	105002.18	0.15	ppb
Iron	57-2	105519.53	105207.41	104650.63	105125.86	0.42	ppb
Iron	54-2	105612.90	106348.69	105264.84	105742.14	0.52	ppb
Krypton	83-1						cps

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On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	ICSAB002	Instrumnet Name :	P7
Client Sample ID :	ICSAB002	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 15:45:27	DataFile Name :	017ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	25.04	25.43	25.41	25.29	0.87	ppb
Lead	207-1	23.73	23.89	24.13	23.92	0.85	ppb
Lead	208-1	24.17	24.39	24.59	24.38	0.87	ppb
Lithium	6-1				98		%
Magnesium	24-2	100001.24	99999.13	100001.17	100000.52	0.00	ppb
Manganese	55-2	27.98	27.71	28.13	27.94	0.75	ppb
Molybdenum	94-1	1624.09	1635.62	1667.38	1642.36	1.36	ppb
Molybdenum	95-1	1967.08	2009.33	2019.28	1998.56	1.39	ppb
Molybdenum	96-1	1933.34	1983.14	1996.09	1970.85	1.68	ppb
Molybdenum	97-1	1956.97	2009.64	2032.96	1999.86	1.95	ppb
Molybdenum	98-1	1962.67	2018.62	2031.95	2004.42	1.83	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	25.85	25.39	25.49	25.57	0.94	ppb
Phosphorus	31-2	105333.30	104368.49	103933.00	104544.93	0.69	ppb
Potassium	39-2	99399.22	100243.69	99413.44	99685.45	0.49	ppb
Rhodium	103-1				92		%
Rhodium	103-2				91		%
Scandium	45-1				93		%
Scandium	45-2				90		%
Selenium	82-1	20.19	20.55	20.93	20.56	1.81	ppb
Selenium	77-2	20.78	17.90	22.23	20.30	10.86	ppb
Selenium	78-2	19.87	18.87	20.55	19.77	4.28	ppb
Silicon	28-1	0.23	0.39	0.68	0.43	52.15	ppb
Silver	107-1	19.16	19.88	19.63	19.56	1.88	ppb
Silver	109-1	18.97	19.97	19.55	19.49	2.56	ppb
Sodium	23-2	100805.67	101015.18	100898.06	100906.30	0.10	ppb
Strontium	86-1	848.92	864.51	866.19	859.88	1.11	ppb
Strontium	88-1	843.86	864.31	869.06	859.08	1.56	ppb
Sulfur	34-1	108356.36	106718.74	109272.16	108115.75	1.20	ppb
Terbium	159-1				104		%
Terbium	159-2				101		%
Thallium	203-1	20.64	20.78	20.59	20.67	0.49	ppb
Thallium	205-1	20.66	20.68	20.74	20.69	0.21	ppb
Tin	118-1	0.15	0.18	0.13	0.15	13.40	ppb
Titanium	47-1	2036.91	2054.86	2057.25	2049.67	0.54	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	ICSAB002	Instrumnet Name :	P7
Client Sample ID :	ICSAB002	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 15:45:27	DataFile Name :	017ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.02	0.02	0.02	0.02	8.37	ppb
Vanadium	51-2	20.25	20.28	20.34	20.29	0.24	ppb
Yttrium	89-1				98		%
Yttrium	89-2				93		%
Zinc	66-2	31.69	31.75	31.28	31.57	0.82	ppb
Zirconium	90-1	0.02	0.02	0.03	0.02	19.34	ppb
Zirconium	91-1	0.03	0.03	0.03	0.03	13.88	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	CCV011	Instrumnet Name :	P7
Client Sample ID :	CCV011	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 15:48:33	DataFile Name :	018CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	49940.19	49715.15	49657.57	49770.97	0.30	ppb
Antimony	121-1	495.93	495.88	500.09	497.30	0.49	ppb
Arsenic	75-2	490.22	493.13	498.74	494.03	0.88	ppb
Barium	135-1	2533.29	2495.62	2561.86	2530.26	1.31	ppb
Barium	137-1	2500.60	2540.42	2540.02	2527.01	0.91	ppb
Beryllium	9-1	491.85	495.30	496.13	494.43	0.46	ppb
Bismuth	209-1				97		%
Bismuth	209-2				92		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	485.34	490.47	498.38	491.40	1.34	ppb
Cadmium	106-1	491.60	492.80	494.95	493.12	0.34	ppb
Cadmium	111-1	471.01	479.69	476.92	475.87	0.93	ppb
Calcium	43-1	256734.75	253350.98	257367.91	255817.88	0.84	ppb
Calcium	44-1	256600.62	257508.24	258600.59	257569.82	0.39	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	497.89	493.00	499.15	496.68	0.65	ppb
Cobalt	59-2	488.41	488.40	487.91	488.24	0.06	ppb
Copper	63-2	4798.25	4753.36	4777.77	4776.46	0.47	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				98		%
Indium	115-1				91		%
Indium	115-2				88		%
Iron	56-2	126995.38	127102.01	127336.91	127144.77	0.14	ppb
Iron	57-2	127948.94	125784.69	128219.00	127317.54	1.05	ppb
Iron	54-2	127931.10	127364.71	127849.26	127715.02	0.24	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	CCV011	Instrumnet Name :	P7
Client Sample ID :	CCV011	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 15:48:33	DataFile Name :	018CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2561.83	2551.53	2609.35	2574.24	1.20	ppb
Lead	207-1	2562.51	2551.06	2597.12	2570.23	0.93	ppb
Lead	208-1	2551.68	2551.35	2597.76	2566.93	1.04	ppb
Lithium	6-1				96		%
Magnesium	24-2	253468.80	251296.18	252192.66	252319.22	0.43	ppb
Manganese	55-2	4965.30	4941.33	4952.20	4952.95	0.24	ppb
Molybdenum	94-1	5002.95	5123.47	5046.46	5057.63	1.21	ppb
Molybdenum	95-1	5041.22	5082.51	5035.55	5053.10	0.51	ppb
Molybdenum	96-1	5039.02	5062.07	5082.74	5061.28	0.43	ppb
Molybdenum	97-1	5063.36	5104.29	5053.38	5073.67	0.53	ppb
Molybdenum	98-1	5052.27	5075.09	5030.54	5052.64	0.44	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	469.50	464.76	467.44	467.23	0.51	ppb
Phosphorus	31-2	10144.01	9954.45	9970.76	10023.07	1.05	ppb
Potassium	39-2	125543.18	125278.78	125066.15	125296.04	0.19	ppb
Rhodium	103-1				87		%
Rhodium	103-2				86		%
Scandium	45-1				90		%
Scandium	45-2				88		%
Selenium	82-1	477.18	485.61	482.48	481.76	0.88	ppb
Selenium	77-2	475.11	499.04	478.86	484.34	2.66	ppb
Selenium	78-2	484.99	485.03	471.13	480.38	1.67	ppb
Silicon	28-1	250.49	249.88	253.61	251.33	0.80	ppb
Silver	107-1	483.24	484.20	490.06	485.83	0.76	ppb
Silver	109-1	490.72	485.59	495.59	490.63	1.02	ppb
Sodium	23-2	249921.38	251072.30	250852.47	250615.39	0.24	ppb
Strontium	86-1	12668.98	12779.74	12603.73	12684.15	0.70	ppb
Strontium	88-1	12493.27	12761.99	12663.77	12639.68	1.08	ppb
Sulfur	34-1	9715.87	9745.44	9836.34	9765.88	0.64	ppb
Terbium	159-1				101		%
Terbium	159-2				98		%
Thallium	203-1	512.52	522.19	525.88	520.19	1.33	ppb
Thallium	205-1	513.13	517.24	523.64	518.00	1.02	ppb
Tin	118-1	499.78	501.75	506.86	502.80	0.73	ppb
Titanium	47-1	4983.13	4989.57	5015.13	4995.94	0.34	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	CCV011	Instrumnet Name :	P7
Client Sample ID :	CCV011	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 15:48:33	DataFile Name :	018CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	513.75	523.58	533.51	523.61	1.89	ppb
Vanadium	51-2	514.69	507.40	507.62	509.91	0.81	ppb
Yttrium	89-1				95		%
Yttrium	89-2				91		%
Zinc	66-2	4747.74	4708.08	4726.99	4727.61	0.42	ppb
Zirconium	90-1	501.10	509.13	508.56	506.26	0.89	ppb
Zirconium	91-1	502.52	516.26	506.11	508.30	1.40	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	CCB011	Instrumnet Name :	P7
Client Sample ID :	CCB011	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 15:51:19	DataFile Name :	019CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2.89	2.73	2.29	2.64	11.61	ppb
Antimony	121-1	0.23	0.22	0.25	0.23	6.25	ppb
Arsenic	75-2	0.00	0.02	0.00	0.00	198.79	ppb
Barium	135-1	0.16	0.18	0.19	0.18	8.68	ppb
Barium	137-1	0.17	0.16	0.18	0.17	8.10	ppb
Beryllium	9-1	0.09	0.11	0.13	0.11	17.89	ppb
Bismuth	209-1				102		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.07	0.06	0.08	0.07	15.78	ppb
Cadmium	106-1	1.14	-0.31	-0.55	0.09	1006.70	ppb
Cadmium	111-1	0.07	0.04	0.04	0.05	31.55	ppb
Calcium	43-1	17.32	15.57	20.81	17.90	14.92	ppb
Calcium	44-1	16.71	18.60	21.54	18.95	12.85	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.01	0.00	0.00	0.01	162.87	ppb
Cobalt	59-2	0.02	0.02	0.02	0.02	16.16	ppb
Copper	63-2	0.32	0.30	0.28	0.30	6.68	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				99		%
Holmium	165-2				102		%
Indium	115-1				93		%
Indium	115-2				98		%
Iron	56-2	7.38	7.19	6.25	6.94	8.69	ppb
Iron	57-2	5.37	7.14	5.17	5.89	18.40	ppb
Iron	54-2	7.08	6.14	6.77	6.66	7.19	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	CCB011	Instrumnet Name :	P7
Client Sample ID :	CCB011	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 15:51:19	DataFile Name :	019CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.20	0.23	0.24	0.22	8.92	ppb
Lead	207-1	0.19	0.21	0.23	0.21	9.26	ppb
Lead	208-1	0.20	0.21	0.23	0.21	8.10	ppb
Lithium	6-1				99		%
Magnesium	24-2	12.32	11.19	10.08	11.19	9.98	ppb
Manganese	55-2	0.30	0.29	0.25	0.28	9.55	ppb
Molybdenum	94-1	0.49	0.50	0.55	0.51	6.42	ppb
Molybdenum	95-1	0.45	0.45	0.46	0.45	2.02	ppb
Molybdenum	96-1	0.45	0.47	0.51	0.48	6.66	ppb
Molybdenum	97-1	0.46	0.46	0.49	0.47	2.99	ppb
Molybdenum	98-1	0.42	0.46	0.49	0.46	7.16	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.02	0.01	-0.01	0.01	261.68	ppb
Phosphorus	31-2	-14.51	-12.82	-14.72	-14.02		ppb
Potassium	39-2	6.76	9.21	6.89	7.62	18.15	ppb
Rhodium	103-1				91		%
Rhodium	103-2				99		%
Scandium	45-1				88		%
Scandium	45-2				93		%
Selenium	82-1	0.29	0.01	-0.19	0.04	633.38	ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-0.96	-0.40	-0.26	-0.54		ppb
Silicon	28-1	-2.71	-3.27	0.09	-1.96		ppb
Silver	107-1	0.07	0.07	0.08	0.07	6.23	ppb
Silver	109-1	0.08	0.07	0.07	0.08	8.77	ppb
Sodium	23-2	58.31	54.82	52.94	55.36	4.92	ppb
Strontium	86-1	0.63	0.89	1.16	0.90	29.65	ppb
Strontium	88-1	0.75	0.81	0.92	0.83	10.50	ppb
Sulfur	34-1	-330.02	-357.78	412.03	-91.92		ppb
Terbium	159-1				97		%
Terbium	159-2				103		%
Thallium	203-1	0.10	0.09	0.10	0.10	3.03	ppb
Thallium	205-1	0.10	0.10	0.11	0.10	7.30	ppb
Tin	118-1	0.07	0.07	0.09	0.08	17.39	ppb
Titanium	47-1	0.37	0.56	0.46	0.46	21.19	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	CCB011	Instrumnet Name :	P7
Client Sample ID :	CCB011	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 15:51:19	DataFile Name :	019CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.03	0.04	0.04	0.04	9.00	ppb
Vanadium	51-2	0.02	0.02	0.01	0.02	18.68	ppb
Yttrium	89-1				93		%
Yttrium	89-2				96		%
Zinc	66-2	0.32	0.20	0.24	0.25	25.00	ppb
Zirconium	90-1	0.06	0.07	0.08	0.07	11.96	ppb
Zirconium	91-1	0.06	0.08	0.09	0.08	17.86	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5306-02DLX10	Instrumnet Name :	P7
Client Sample ID :	OU4-VSL-07-121224	Dilution Factor :	10
Date & Time Acquired :	2024-12-27 15:57:58	DataFile Name :	021SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	12041.05	12083.89	11961.40	12028.78	0.52	ppb
Antimony	121-1	0.03	0.03	0.03	0.03	3.40	ppb
Arsenic	75-2	0.87	0.69	0.90	0.82	13.91	ppb
Barium	135-1	20.96	20.81	20.92	20.90	0.39	ppb
Barium	137-1	21.10	21.21	21.42	21.24	0.78	ppb
Beryllium	9-1	0.34	0.36	0.35	0.35	1.96	ppb
Bismuth	209-1				103		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.12	0.17	0.00	0.10	87.08	ppb
Cadmium	106-1	1.41	0.76	0.77	0.98	37.98	ppb
Cadmium	111-1	0.13	0.14	0.13	0.14	3.29	ppb
Calcium	43-1	43368.32	45232.00	43149.09	43916.47	2.61	ppb
Calcium	44-1	43372.15	43984.13	43701.53	43685.94	0.70	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3.62	3.52	3.64	3.59	1.70	ppb
Cobalt	59-2	33.62	33.57	33.36	33.52	0.41	ppb
Copper	63-2	7.72	7.80	7.65	7.72	1.02	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				101		%
Indium	115-1				98		%
Indium	115-2				96		%
Iron	56-2	105370.68	106488.23	105326.16	105728.36	0.62	ppb
Iron	57-2	104147.73	105552.97	104640.18	104780.29	0.68	ppb
Iron	54-2	106462.41	106216.69	106529.19	106402.76	0.15	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5306-02DLX10	Instrumnet Name :	P7
Client Sample ID :	OU4-VSL-07-121224	Dilution Factor :	10
Date & Time Acquired :	2024-12-27 15:57:58	DataFile Name :	021SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.42	0.43	0.43	0.43	1.15	ppb
Lead	207-1	0.38	0.38	0.40	0.39	2.77	ppb
Lead	208-1	0.40	0.40	0.41	0.41	1.10	ppb
Lithium	6-1				101		%
Magnesium	24-2	20179.26	20182.06	20169.95	20177.09	0.03	ppb
Manganese	55-2	1614.62	1601.56	1610.83	1609.00	0.42	ppb
Molybdenum	94-1	0.93	0.98	0.97	0.96	2.60	ppb
Molybdenum	95-1	0.28	0.27	0.26	0.27	3.27	ppb
Molybdenum	96-1	0.98	1.01	0.99	0.99	1.56	ppb
Molybdenum	97-1	0.27	0.29	0.28	0.28	4.31	ppb
Molybdenum	98-1	0.26	0.27	0.26	0.26	1.96	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	13.15	13.42	13.31	13.29	1.03	ppb
Phosphorus	31-2	303.40	303.98	311.15	306.18	1.41	ppb
Potassium	39-2	350.23	357.47	353.69	353.79	1.02	ppb
Rhodium	103-1				96		%
Rhodium	103-2				96		%
Scandium	45-1				95		%
Scandium	45-2				94		%
Selenium	82-1	0.79	0.54	0.35	0.56	39.72	ppb
Selenium	77-2	7.81	7.70	7.48	7.67	2.19	ppb
Selenium	78-2	0.63	1.12	1.44	1.06	38.28	ppb
Silicon	28-1	2504.18	2593.38	2533.33	2543.63	1.79	ppb
Silver	107-1	0.02	0.02	0.02	0.02	4.65	ppb
Silver	109-1	0.02	0.02	0.02	0.02	20.60	ppb
Sodium	23-2	6328.22	6310.58	6383.77	6340.86	0.60	ppb
Strontium	86-1	2309.23	2307.15	2380.29	2332.23	1.79	ppb
Strontium	88-1	2381.13	2427.10	2445.43	2417.88	1.37	ppb
Sulfur	34-1	126157.43	129180.71	127277.32	127538.49	1.20	ppb
Terbium	159-1				104		%
Terbium	159-2				101		%
Thallium	203-1	0.04	0.05	0.04	0.04	7.44	ppb
Thallium	205-1	0.05	0.04	0.04	0.04	8.34	ppb
Tin	118-1	0.20	0.15	0.15	0.17	15.24	ppb
Titanium	47-1	2.22	1.99	2.09	2.10	5.40	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5306-02DLX10	Instrumnet Name :	P7
Client Sample ID :	OU4-VSL-07-121224	Dilution Factor :	10
Date & Time Acquired :	2024-12-27 15:57:58	DataFile Name :	021SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.23	1.25	1.25	1.24	0.81	ppb
Vanadium	51-2	118.94	118.98	118.91	118.94	0.03	ppb
Yttrium	89-1				109		%
Yttrium	89-2				105		%
Zinc	66-2	123.41	122.66	122.27	122.78	0.47	ppb
Zirconium	90-1	0.38	0.37	0.39	0.38	2.77	ppb
Zirconium	91-1	0.36	0.39	0.39	0.38	4.27	ppb

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5306-02DUPDLX10	Instrumnet Name :	P7
Client Sample ID :	OU4-VSL-07-121224	Dilution Factor :	10
Date & Time Acquired :	2024-12-27 16:01:09	DataFile Name :	022SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	12169.15	12190.67	12283.17	12214.33	0.50	ppb
Antimony	121-1	0.02	0.02	0.03	0.02	10.64	ppb
Arsenic	75-2	0.82	0.88	0.77	0.82	6.32	ppb
Barium	135-1	21.42	21.98	20.92	21.44	2.46	ppb
Barium	137-1	21.62	22.35	21.57	21.84	2.00	ppb
Beryllium	9-1	0.32	0.36	0.33	0.34	7.45	ppb
Bismuth	209-1				102		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.09	0.20	0.16	0.15	36.73	ppb
Cadmium	106-1	1.00	2.34	1.38	1.57	43.79	ppb
Cadmium	111-1	0.13	0.18	0.14	0.15	17.34	ppb
Calcium	43-1	44694.14	46498.76	44222.83	45138.58	2.66	ppb
Calcium	44-1	44591.12	45825.04	44482.46	44966.21	1.66	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3.74	3.73	3.67	3.71	1.07	ppb
Cobalt	59-2	34.36	34.28	34.02	34.22	0.52	ppb
Copper	63-2	7.88	7.78	7.79	7.82	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				104		%
Holmium	165-2				103		%
Indium	115-1				99		%
Indium	115-2				98		%
Iron	56-2	108548.84	108310.83	107359.78	108073.15	0.58	ppb
Iron	57-2	107636.83	107096.82	107344.25	107359.30	0.25	ppb
Iron	54-2	108998.99	108281.60	108430.07	108570.22	0.35	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5306-02DUPDLX10	Instrumnet Name :	P7
Client Sample ID :	OU4-VSL-07-121224	Dilution Factor :	10
Date & Time Acquired :	2024-12-27 16:01:09	DataFile Name :	022SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.41	0.46	0.42	0.43	5.53	ppb
Lead	207-1	0.40	0.37	0.42	0.40	6.76	ppb
Lead	208-1	0.41	0.42	0.42	0.42	1.36	ppb
Lithium	6-1				99		%
Magnesium	24-2	20731.90	20431.91	20414.00	20525.94	0.87	ppb
Manganese	55-2	1640.96	1648.68	1645.36	1645.00	0.24	ppb
Molybdenum	94-1	0.75	0.79	0.71	0.75	5.18	ppb
Molybdenum	95-1	0.05	0.04	0.04	0.04	11.88	ppb
Molybdenum	96-1	0.83	0.82	0.87	0.84	3.11	ppb
Molybdenum	97-1	0.06	0.06	0.06	0.06	5.15	ppb
Molybdenum	98-1	0.02	0.02	0.03	0.02	11.90	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	13.54	13.85	13.56	13.65	1.27	ppb
Phosphorus	31-2	307.67	323.67	299.23	310.19	4.00	ppb
Potassium	39-2	360.82	360.03	357.01	359.29	0.56	ppb
Rhodium	103-1				97		%
Rhodium	103-2				98		%
Scandium	45-1				97		%
Scandium	45-2				96		%
Selenium	82-1	0.55	0.65	0.46	0.55	17.73	ppb
Selenium	77-2	9.64	8.98	6.96	8.53	16.41	ppb
Selenium	78-2	0.94	0.42	0.73	0.69	37.79	ppb
Silicon	28-1	2569.66	2666.14	2605.60	2613.80	1.87	ppb
Silver	107-1	0.02	0.02	0.02	0.02	12.11	ppb
Silver	109-1	0.01	0.01	0.02	0.01	12.95	ppb
Sodium	23-2	6394.11	6393.80	6437.87	6408.59	0.40	ppb
Strontium	86-1	2409.22	2452.58	2387.32	2416.37	1.37	ppb
Strontium	88-1	2481.01	2505.22	2460.02	2482.08	0.91	ppb
Sulfur	34-1	129702.86	134409.73	130208.27	131440.28	1.97	ppb
Terbium	159-1				103		%
Terbium	159-2				102		%
Thallium	203-1	0.04	0.04	0.02	0.03	21.25	ppb
Thallium	205-1	0.03	0.04	0.04	0.04	7.82	ppb
Tin	118-1	0.12	0.13	0.10	0.12	11.80	ppb
Titanium	47-1	1.92	2.19	1.97	2.03	7.27	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5306-02DUPDLX10	Instrumnet Name :	P7
Client Sample ID :	OU4-VSL-07-121224	Dilution Factor :	10
Date & Time Acquired :	2024-12-27 16:01:09	DataFile Name :	022SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.25	1.28	1.29	1.28	1.75	ppb
Vanadium	51-2	122.36	121.80	120.78	121.65	0.66	ppb
Yttrium	89-1				109		%
Yttrium	89-2				108		%
Zinc	66-2	126.91	124.76	124.62	125.43	1.02	ppb
Zirconium	90-1	0.35	0.37	0.36	0.36	2.76	ppb
Zirconium	91-1	0.39	0.40	0.38	0.39	1.92	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5306-02LDLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-VSL-07-121224L	Dilution Factor :	50
Date & Time Acquired :	2024-12-27 16:04:21	DataFile Name :	023SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2331.47	2337.05	2335.55	2334.69	0.12	ppb
Antimony	121-1	0.01	0.01	0.01	0.01	21.87	ppb
Arsenic	75-2	0.18	0.18	0.16	0.17	6.93	ppb
Barium	135-1	4.20	4.30	4.26	4.26	1.14	ppb
Barium	137-1	4.15	4.32	4.38	4.28	2.83	ppb
Beryllium	9-1	0.10	0.09	0.11	0.10	10.33	ppb
Bismuth	209-1				107		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.03	0.00	0.00	-0.01		ppb
Cadmium	106-1	0.85	0.43	-0.42	0.28	226.40	ppb
Cadmium	111-1	0.05	0.03	0.02	0.03	45.08	ppb
Calcium	43-1	8913.85	8819.07	8789.00	8840.64	0.74	ppb
Calcium	44-1	8679.49	8742.93	8690.85	8704.42	0.39	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.63	0.60	0.66	0.63	4.28	ppb
Cobalt	59-2	6.77	6.76	6.73	6.75	0.27	ppb
Copper	63-2	1.64	1.73	1.75	1.71	3.18	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				107		%
Holmium	165-2				103		%
Indium	115-1				104		%
Indium	115-2				101		%
Iron	56-2	21248.84	21260.97	21226.27	21245.36	0.08	ppb
Iron	57-2	21197.90	21077.34	21257.33	21177.53	0.43	ppb
Iron	54-2	21611.02	21345.68	21528.94	21495.21	0.63	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5306-02LDLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-VSL-07-121224L	Dilution Factor :	50
Date & Time Acquired :	2024-12-27 16:04:21	DataFile Name :	023SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.10	0.10	0.10	0.10	2.26	ppb
Lead	207-1	0.09	0.09	0.08	0.09	8.54	ppb
Lead	208-1	0.10	0.09	0.10	0.09	2.48	ppb
Lithium	6-1				103		%
Magnesium	24-2	4141.70	4115.46	4033.74	4096.97	1.37	ppb
Manganese	55-2	324.17	329.36	315.32	322.95	2.20	ppb
Molybdenum	94-1	0.19	0.19	0.21	0.20	6.50	ppb
Molybdenum	95-1	0.04	0.04	0.04	0.04	4.02	ppb
Molybdenum	96-1	0.22	0.21	0.21	0.21	0.98	ppb
Molybdenum	97-1	0.05	0.06	0.05	0.05	11.90	ppb
Molybdenum	98-1	0.05	0.04	0.04	0.04	10.65	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.55	2.53	2.79	2.63	5.55	ppb
Phosphorus	31-2	50.50	53.91	36.86	47.09	19.16	ppb
Potassium	39-2	69.58	72.30	70.29	70.73	2.00	ppb
Rhodium	103-1				102		%
Rhodium	103-2				102		%
Scandium	45-1				101		%
Scandium	45-2				99		%
Selenium	82-1	0.65	0.11	-0.08	0.23	167.69	ppb
Selenium	77-2	1.37	1.05	1.51	1.31	17.78	ppb
Selenium	78-2	-0.16	-0.22	0.30	-0.03		ppb
Silicon	28-1	510.03	503.70	507.39	507.04	0.63	ppb
Silver	107-1	0.01	0.00	0.00	0.01	42.44	ppb
Silver	109-1	0.01	0.01	0.00	0.01	24.11	ppb
Sodium	23-2	1198.87	1201.64	1194.54	1198.35	0.30	ppb
Strontium	86-1	507.09	499.28	506.65	504.34	0.87	ppb
Strontium	88-1	499.51	494.31	498.64	497.49	0.56	ppb
Sulfur	34-1	26496.11	25789.93	26030.21	26105.41	1.38	ppb
Terbium	159-1				106		%
Terbium	159-2				104		%
Thallium	203-1	0.01	0.02	0.02	0.02	17.29	ppb
Thallium	205-1	0.02	0.02	0.01	0.02	27.24	ppb
Tin	118-1	0.06	0.06	0.06	0.06	2.06	ppb
Titanium	47-1	0.42	0.44	0.44	0.43	1.89	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5306-02LDLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-VSL-07-121224L	Dilution Factor :	50
Date & Time Acquired :	2024-12-27 16:04:21	DataFile Name :	023SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.24	0.25	0.24	0.24	3.78	ppb
Vanadium	51-2	23.92	23.83	23.75	23.84	0.36	ppb
Yttrium	89-1				106		%
Yttrium	89-2				103		%
Zinc	66-2	25.59	25.35	25.49	25.48	0.48	ppb
Zirconium	90-1	0.08	0.08	0.08	0.08	1.43	ppb
Zirconium	91-1	0.08	0.07	0.07	0.07	3.87	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5306-02MSDLX10	Instrumnet Name :	P7
Client Sample ID :	OU4-VSL-07-121224	Dilution Factor :	10
Date & Time Acquired :	2024-12-27 16:07:36	DataFile Name :	024SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	12511.03	12593.73	12506.97	12537.24	0.39	ppb
Antimony	121-1	56.70	61.48	61.89	60.02	4.80	ppb
Arsenic	75-2	60.48	60.15	61.59	60.74	1.24	ppb
Barium	135-1	289.23	312.13	314.69	305.35	4.59	ppb
Barium	137-1	304.85	325.22	327.10	319.06	3.87	ppb
Beryllium	9-1	57.19	63.09	62.96	61.08	5.51	ppb
Bismuth	209-1				105		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	60.86	66.78	67.49	65.04	5.60	ppb
Cadmium	106-1	64.93	68.43	68.62	67.33	3.08	ppb
Cadmium	111-1	61.46	66.37	66.07	64.63	4.25	ppb
Calcium	43-1	43156.36	46999.89	46124.71	45426.99	4.43	ppb
Calcium	44-1	42833.54	46461.00	46995.02	45429.86	4.98	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	62.77	62.91	62.50	62.73	0.33	ppb
Cobalt	59-2	93.91	93.49	93.22	93.54	0.37	ppb
Copper	63-2	531.30	523.30	531.27	528.62	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				107		%
Holmium	165-2				102		%
Indium	115-1				103		%
Indium	115-2				98		%
Iron	56-2	103718.32	103748.04	104222.43	103896.26	0.27	ppb
Iron	57-2	103220.65	103409.84	103370.41	103333.63	0.10	ppb
Iron	54-2	105528.43	103547.70	104463.55	104513.23	0.95	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5306-02MSDLX10	Instrumnet Name :	P7
Client Sample ID :	OU4-VSL-07-121224	Dilution Factor :	10
Date & Time Acquired :	2024-12-27 16:07:36	DataFile Name :	024SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	234.01	244.44	249.02	242.49	3.17	ppb
Lead	207-1	232.59	248.79	248.59	243.32	3.82	ppb
Lead	208-1	230.16	247.22	250.08	242.49	4.44	ppb
Lithium	6-1				102		%
Magnesium	24-2	24081.93	24108.57	23970.62	24053.71	0.30	ppb
Manganese	55-2	2014.75	1991.00	2025.01	2010.25	0.87	ppb
Molybdenum	94-1	347.66	378.32	382.57	369.52	5.16	ppb
Molybdenum	95-1	310.86	328.78	341.15	326.93	4.66	ppb
Molybdenum	96-1	310.92	340.53	342.85	331.43	5.37	ppb
Molybdenum	97-1	296.36	326.03	327.54	316.64	5.55	ppb
Molybdenum	98-1	303.54	329.12	332.25	321.64	4.90	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	73.88	73.47	73.73	73.69	0.29	ppb
Phosphorus	31-2	284.85	293.98	299.29	292.71	2.50	ppb
Potassium	39-2	3341.10	3343.82	3377.71	3354.21	0.61	ppb
Rhodium	103-1				100		%
Rhodium	103-2				98		%
Scandium	45-1				101		%
Scandium	45-2				96		%
Selenium	82-1	52.79	57.48	59.70	56.66	6.22	ppb
Selenium	77-2	66.38	65.13	63.11	64.88	2.54	ppb
Selenium	78-2	62.26	60.48	59.83	60.85	2.07	ppb
Silicon	28-1	2186.85	2413.01	2401.63	2333.83	5.46	ppb
Silver	107-1	0.11	0.11	0.12	0.12	4.22	ppb
Silver	109-1	0.07	0.08	0.08	0.08	5.38	ppb
Sodium	23-2	10808.11	10751.50	10735.22	10764.94	0.36	ppb
Strontium	86-1	3377.50	3616.30	3665.80	3553.20	4.34	ppb
Strontium	88-1	3445.06	3720.52	3750.25	3638.61	4.62	ppb
Sulfur	34-1	111553.27	120685.24	120839.48	117692.66	4.52	ppb
Terbium	159-1				106		%
Terbium	159-2				102		%
Thallium	203-1	55.23	59.84	59.76	58.27	4.53	ppb
Thallium	205-1	55.52	59.65	60.06	58.41	4.29	ppb
Tin	118-1	55.82	60.71	61.41	59.31	5.14	ppb
Titanium	47-1	207.85	227.34	230.94	222.04	5.59	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5306-02MSDLX10	Instrumnet Name :	P7
Client Sample ID :	OU4-VSL-07-121224	Dilution Factor :	10
Date & Time Acquired :	2024-12-27 16:07:36	DataFile Name :	024SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	57.32	61.92	61.82	60.36	4.36	ppb
Vanadium	51-2	175.56	175.61	176.33	175.83	0.24	ppb
Yttrium	89-1				113		%
Yttrium	89-2				106		%
Zinc	66-2	608.35	605.33	606.82	606.83	0.25	ppb
Zirconium	90-1	51.54	56.15	56.63	54.77	5.13	ppb
Zirconium	91-1	51.59	56.32	57.09	55.00	5.41	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5306-02MSDDLX10	Instrumnet Name :	P7
Client Sample ID :	OU4-VSL-07-121224	Dilution Factor :	10
Date & Time Acquired :	2024-12-27 16:10:37	DataFile Name :	025SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	12617.78	12633.87	12495.91	12582.52	0.60	ppb
Antimony	121-1	60.39	62.41	63.18	62.00	2.32	ppb
Arsenic	75-2	59.27	59.20	59.90	59.46	0.65	ppb
Barium	135-1	309.94	318.36	319.38	315.89	1.64	ppb
Barium	137-1	316.92	327.27	333.86	326.02	2.62	ppb
Beryllium	9-1	62.32	63.37	62.12	62.60	1.07	ppb
Bismuth	209-1				104		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	65.60	66.39	70.60	67.53	3.98	ppb
Cadmium	106-1	68.88	68.77	72.00	69.88	2.63	ppb
Cadmium	111-1	65.03	67.04	67.39	66.49	1.92	ppb
Calcium	43-1	45805.65	46251.56	47539.86	46532.36	1.94	ppb
Calcium	44-1	45949.08	46489.51	47374.30	46604.30	1.54	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	62.98	62.56	62.59	62.71	0.38	ppb
Cobalt	59-2	94.34	93.61	93.41	93.79	0.52	ppb
Copper	63-2	533.88	525.58	529.81	529.76	0.78	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				103		%
Indium	115-1				100		%
Indium	115-2				98		%
Iron	56-2	105062.92	103935.44	104571.68	104523.35	0.54	ppb
Iron	57-2	104139.97	103532.86	102973.36	103548.73	0.56	ppb
Iron	54-2	104815.57	104174.53	104806.62	104598.90	0.35	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5306-02MSDDLX10	Instrumnet Name :	P7
Client Sample ID :	OU4-VSL-07-121224	Dilution Factor :	10
Date & Time Acquired :	2024-12-27 16:10:37	DataFile Name :	025SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	239.08	252.32	244.75	245.38	2.71	ppb
Lead	207-1	242.93	247.92	250.19	247.01	1.50	ppb
Lead	208-1	242.23	249.00	248.91	246.71	1.58	ppb
Lithium	6-1				100		%
Magnesium	24-2	23909.48	23581.90	24064.74	23852.04	1.03	ppb
Manganese	55-2	2026.44	1985.00	2006.48	2005.97	1.03	ppb
Molybdenum	94-1	370.54	376.20	385.56	377.43	2.01	ppb
Molybdenum	95-1	320.92	337.50	338.82	332.41	3.00	ppb
Molybdenum	96-1	333.28	339.95	344.48	339.24	1.66	ppb
Molybdenum	97-1	321.04	326.16	329.57	325.59	1.32	ppb
Molybdenum	98-1	327.12	332.18	333.73	331.01	1.04	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	73.74	74.64	74.15	74.18	0.61	ppb
Phosphorus	31-2	279.18	293.18	291.32	287.90	2.64	ppb
Potassium	39-2	3343.34	3347.49	3380.40	3357.07	0.60	ppb
Rhodium	103-1				99		%
Rhodium	103-2				98		%
Scandium	45-1				99		%
Scandium	45-2				97		%
Selenium	82-1	57.84	58.89	58.79	58.51	0.99	ppb
Selenium	77-2	65.76	63.32	60.44	63.17	4.22	ppb
Selenium	78-2	62.51	58.75	63.44	61.57	4.03	ppb
Silicon	28-1	2379.63	2395.21	2463.51	2412.78	1.85	ppb
Silver	107-1	0.12	0.12	0.12	0.12	0.61	ppb
Silver	109-1	0.07	0.06	0.07	0.07	7.62	ppb
Sodium	23-2	10753.52	10540.11	10826.23	10706.62	1.39	ppb
Strontium	86-1	3581.43	3668.21	3735.89	3661.84	2.11	ppb
Strontium	88-1	3671.75	3745.48	3761.02	3726.09	1.28	ppb
Sulfur	34-1	118194.08	118358.01	123785.21	120112.44	2.65	ppb
Terbium	159-1				104		%
Terbium	159-2				103		%
Thallium	203-1	58.52	60.57	60.10	59.73	1.79	ppb
Thallium	205-1	58.31	60.38	60.08	59.59	1.88	ppb
Tin	118-1	59.56	60.92	62.92	61.13	2.76	ppb
Titanium	47-1	224.57	227.89	232.83	228.43	1.82	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5306-02MSDDLX10	Instrumnet Name :	P7
Client Sample ID :	OU4-VSL-07-121224	Dilution Factor :	10
Date & Time Acquired :	2024-12-27 16:10:37	DataFile Name :	025SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	59.03	62.89	61.55	61.16	3.21	ppb
Vanadium	51-2	176.45	175.41	175.41	175.76	0.34	ppb
Yttrium	89-1				111		%
Yttrium	89-2				107		%
Zinc	66-2	610.94	607.31	606.61	608.29	0.38	ppb
Zirconium	90-1	55.18	56.70	57.08	56.32	1.78	ppb
Zirconium	91-1	55.56	56.64	57.99	56.73	2.15	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5306-02ADLX10	Instrumnet Name :	P7
Client Sample ID :	OU4-VSL-07-121224A	Dilution Factor :	10
Date & Time Acquired :	2024-12-27 16:13:39	DataFile Name :	026SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	12451.34	12314.32	12352.80	12372.82	0.57	ppb
Antimony	121-1	58.63	60.15	62.13	60.30	2.91	ppb
Arsenic	75-2	59.46	59.34	59.99	59.60	0.58	ppb
Barium	135-1	300.04	306.85	317.61	308.16	2.88	ppb
Barium	137-1	315.14	322.38	333.78	323.77	2.90	ppb
Beryllium	9-1	61.50	62.17	62.00	61.89	0.56	ppb
Bismuth	209-1				106		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	62.16	63.34	66.60	64.03	3.59	ppb
Cadmium	106-1	65.16	65.78	70.22	67.06	4.12	ppb
Cadmium	111-1	62.97	64.71	66.42	64.70	2.67	ppb
Calcium	43-1	44751.77	46031.06	46880.78	45887.87	2.34	ppb
Calcium	44-1	44617.05	46131.49	46517.09	45755.21	2.20	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	62.54	62.60	62.03	62.39	0.50	ppb
Cobalt	59-2	93.56	93.07	93.40	93.34	0.27	ppb
Copper	63-2	524.37	520.42	518.47	521.09	0.58	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				103		%
Indium	115-1				102		%
Indium	115-2				99		%
Iron	56-2	104309.02	103552.07	103318.87	103726.66	0.50	ppb
Iron	57-2	104017.72	101645.67	103355.83	103006.41	1.19	ppb
Iron	54-2	104893.09	103695.74	103755.23	104114.69	0.65	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5306-02ADLX10	Instrumnet Name :	P7
Client Sample ID :	OU4-VSL-07-121224A	Dilution Factor :	10
Date & Time Acquired :	2024-12-27 16:13:39	DataFile Name :	026SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	230.03	247.48	242.04	239.85	3.72	ppb
Lead	207-1	234.74	241.96	248.30	241.67	2.81	ppb
Lead	208-1	234.65	244.80	245.32	241.59	2.49	ppb
Lithium	6-1				101		%
Magnesium	24-2	23778.67	23567.95	23545.22	23630.61	0.54	ppb
Manganese	55-2	2008.83	1968.86	1996.69	1991.46	1.03	ppb
Molybdenum	94-1	359.48	370.79	373.03	367.77	1.98	ppb
Molybdenum	95-1	318.39	327.77	334.28	326.82	2.44	ppb
Molybdenum	96-1	328.62	338.32	340.05	335.66	1.84	ppb
Molybdenum	97-1	313.16	321.30	330.52	321.66	2.70	ppb
Molybdenum	98-1	318.14	329.85	334.06	327.35	2.52	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	73.04	73.55	72.61	73.07	0.65	ppb
Phosphorus	31-2	297.75	293.45	300.17	297.12	1.15	ppb
Potassium	39-2	3312.83	3294.65	3308.47	3305.32	0.29	ppb
Rhodium	103-1				100		%
Rhodium	103-2				99		%
Scandium	45-1				101		%
Scandium	45-2				97		%
Selenium	82-1	55.85	59.15	59.04	58.01	3.24	ppb
Selenium	77-2	59.69	68.47	63.97	64.04	6.85	ppb
Selenium	78-2	58.68	58.47	58.63	58.59	0.18	ppb
Silicon	28-1	2289.48	2402.82	2408.70	2367.00	2.84	ppb
Silver	107-1	0.12	0.11	0.13	0.12	8.39	ppb
Silver	109-1	0.07	0.07	0.07	0.07	5.86	ppb
Sodium	23-2	10752.96	10663.47	10639.33	10685.26	0.56	ppb
Strontium	86-1	3525.96	3597.44	3685.70	3603.03	2.22	ppb
Strontium	88-1	3592.72	3699.05	3695.34	3662.37	1.65	ppb
Sulfur	34-1	116760.29	119381.92	120364.57	118835.60	1.57	ppb
Terbium	159-1				107		%
Terbium	159-2				104		%
Thallium	203-1	56.32	58.80	59.85	58.32	3.11	ppb
Thallium	205-1	56.31	59.07	60.35	58.58	3.52	ppb
Tin	118-1	57.85	60.17	61.63	59.88	3.19	ppb
Titanium	47-1	216.72	226.26	228.89	223.96	2.86	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5306-02ADLX10	Instrumnet Name :	P7
Client Sample ID :	OU4-VSL-07-121224A	Dilution Factor :	10
Date & Time Acquired :	2024-12-27 16:13:39	DataFile Name :	026SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	57.93	60.40	62.34	60.22	3.67	ppb
Vanadium	51-2	175.06	173.54	174.12	174.24	0.44	ppb
Yttrium	89-1				112		%
Yttrium	89-2				107		%
Zinc	66-2	601.55	603.46	600.36	601.79	0.26	ppb
Zirconium	90-1	53.88	55.89	57.04	55.60	2.88	ppb
Zirconium	91-1	54.73	56.24	57.17	56.04	2.20	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5306-08DLX10	Instrumnet Name :	P7
Client Sample ID :	OU4-VSL-10-121224	Dilution Factor :	10
Date & Time Acquired :	2024-12-27 16:16:39	DataFile Name :	027SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	11086.85	11803.16	11609.96	11499.99	3.22	ppb
Antimony	121-1	0.06	0.06	0.06	0.06	8.21	ppb
Arsenic	75-2	0.69	0.69	0.69	0.69	0.09	ppb
Barium	135-1	19.32	20.11	19.58	19.67	2.03	ppb
Barium	137-1	19.47	20.35	19.79	19.87	2.23	ppb
Beryllium	9-1	0.46	0.31	0.37	0.38	20.18	ppb
Bismuth	209-1				104		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.11	0.16	0.09	0.12	31.28	ppb
Cadmium	106-1	1.39	0.91	1.73	1.34	30.82	ppb
Cadmium	111-1	0.13	0.15	0.14	0.14	6.50	ppb
Calcium	43-1	39201.12	40633.84	39925.59	39920.18	1.79	ppb
Calcium	44-1	39001.50	40438.78	40086.34	39842.21	1.88	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.73	2.86	2.86	2.81	2.65	ppb
Cobalt	59-2	34.57	36.50	35.14	35.41	2.80	ppb
Copper	63-2	7.02	7.24	7.07	7.11	1.57	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				107		%
Holmium	165-2				102		%
Indium	115-1				102		%
Indium	115-2				98		%
Iron	56-2	105338.35	109739.69	106768.74	107282.26	2.09	ppb
Iron	57-2	104581.04	108752.86	106242.28	106525.40	1.97	ppb
Iron	54-2	104967.14	111311.40	106845.09	107707.88	3.03	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5306-08DLX10	Instrumnet Name :	P7
Client Sample ID :	OU4-VSL-10-121224	Dilution Factor :	10
Date & Time Acquired :	2024-12-27 16:16:39	DataFile Name :	027SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.35	0.35	0.34	0.35	2.06	ppb
Lead	207-1	0.31	0.31	0.32	0.32	1.66	ppb
Lead	208-1	0.35	0.34	0.33	0.34	2.50	ppb
Lithium	6-1				101		%
Magnesium	24-2	16923.52	17672.07	17371.87	17322.49	2.17	ppb
Manganese	55-2	1565.67	1639.37	1596.08	1600.37	2.31	ppb
Molybdenum	94-1	1.10	1.07	1.07	1.08	1.19	ppb
Molybdenum	95-1	0.11	0.09	0.06	0.09	25.37	ppb
Molybdenum	96-1	0.87	0.90	0.86	0.88	2.71	ppb
Molybdenum	97-1	0.10	0.09	0.08	0.09	8.83	ppb
Molybdenum	98-1	0.08	0.07	0.05	0.07	29.54	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	8.40	8.53	8.54	8.49	0.89	ppb
Phosphorus	31-2	269.55	255.66	249.50	258.24	3.98	ppb
Potassium	39-2	371.30	395.63	382.49	383.14	3.18	ppb
Rhodium	103-1				100		%
Rhodium	103-2				98		%
Scandium	45-1				100		%
Scandium	45-2				96		%
Selenium	82-1	0.21	0.45	0.22	0.29	47.02	ppb
Selenium	77-2	6.20	8.33	8.67	7.73	17.33	ppb
Selenium	78-2	1.03	1.24	1.06	1.11	10.20	ppb
Silicon	28-1	2686.65	2767.41	2732.01	2728.69	1.48	ppb
Silver	107-1	0.01	0.01	0.01	0.01	20.45	ppb
Silver	109-1	0.01	0.01	0.01	0.01	16.72	ppb
Sodium	23-2	5484.13	5820.58	5711.76	5672.16	3.03	ppb
Strontium	86-1	2322.17	2372.25	2345.24	2346.55	1.07	ppb
Strontium	88-1	2391.94	2445.23	2453.58	2430.25	1.38	ppb
Sulfur	34-1	115820.34	116926.44	117700.89	116815.89	0.81	ppb
Terbium	159-1				106		%
Terbium	159-2				102		%
Thallium	203-1	0.03	0.03	0.02	0.03	26.31	ppb
Thallium	205-1	0.03	0.02	0.02	0.02	20.98	ppb
Tin	118-1	0.17	0.20	0.17	0.18	7.32	ppb
Titanium	47-1	2.08	2.14	2.15	2.12	1.88	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5306-08DLX10	Instrumnet Name :	P7
Client Sample ID :	OU4-VSL-10-121224	Dilution Factor :	10
Date & Time Acquired :	2024-12-27 16:16:39	DataFile Name :	027SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.20	1.23	1.25	1.23	1.87	ppb
Vanadium	51-2	110.31	115.90	112.23	112.81	2.51	ppb
Yttrium	89-1				114		%
Yttrium	89-2				107		%
Zinc	66-2	128.10	133.87	131.74	131.23	2.22	ppb
Zirconium	90-1	0.50	0.54	0.51	0.52	3.70	ppb
Zirconium	91-1	0.53	0.53	0.53	0.53	0.18	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5306-10DLX10	Instrumnet Name :	P7
Client Sample ID :	OU4-VSL-11-121224	Dilution Factor :	10
Date & Time Acquired :	2024-12-27 16:19:52	DataFile Name :	028SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10462.32	10466.85	10543.53	10490.90	0.44	ppb
Antimony	121-1	0.03	0.02	0.02	0.02	9.55	ppb
Arsenic	75-2	0.82	0.75	0.71	0.76	6.87	ppb
Barium	135-1	19.91	20.49	20.01	20.14	1.54	ppb
Barium	137-1	20.33	20.76	20.34	20.48	1.20	ppb
Beryllium	9-1	0.28	0.33	0.35	0.32	11.14	ppb
Bismuth	209-1				104		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.03	0.10	0.00	0.05	118.25	ppb
Cadmium	106-1	1.37	0.93	1.02	1.11	20.99	ppb
Cadmium	111-1	0.15	0.13	0.14	0.14	4.87	ppb
Calcium	43-1	49102.17	49315.58	50513.64	49643.80	1.53	ppb
Calcium	44-1	48310.16	49262.78	49693.01	49088.65	1.44	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.50	2.46	2.44	2.47	1.20	ppb
Cobalt	59-2	32.66	33.00	32.96	32.88	0.56	ppb
Copper	63-2	5.55	5.57	5.51	5.54	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				107		%
Holmium	165-2				104		%
Indium	115-1				102		%
Indium	115-2				100		%
Iron	56-2	104308.13	106557.62	105633.93	105499.89	1.07	ppb
Iron	57-2	103411.89	104505.72	104092.48	104003.36	0.53	ppb
Iron	54-2	104621.65	105977.96	105971.98	105523.86	0.74	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5306-10DLX10	Instrumnet Name :	P7
Client Sample ID :	OU4-VSL-11-121224	Dilution Factor :	10
Date & Time Acquired :	2024-12-27 16:19:52	DataFile Name :	028SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.24	0.24	0.26	0.25	4.41	ppb
Lead	207-1	0.22	0.23	0.23	0.23	3.34	ppb
Lead	208-1	0.24	0.24	0.24	0.24	1.16	ppb
Lithium	6-1				100		%
Magnesium	24-2	17554.67	17788.68	17699.75	17681.04	0.67	ppb
Manganese	55-2	1824.40	1838.24	1846.34	1836.33	0.60	ppb
Molybdenum	94-1	0.83	0.80	0.76	0.80	4.44	ppb
Molybdenum	95-1	0.04	0.04	0.02	0.03	32.21	ppb
Molybdenum	96-1	0.83	0.82	0.80	0.82	1.62	ppb
Molybdenum	97-1	0.05	0.04	0.05	0.05	16.13	ppb
Molybdenum	98-1	0.02	0.01	0.01	0.02	36.64	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	8.04	8.13	8.19	8.12	0.97	ppb
Phosphorus	31-2	183.58	182.62	196.08	187.42	4.01	ppb
Potassium	39-2	361.81	369.94	369.64	367.13	1.26	ppb
Rhodium	103-1				101		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				98		%
Selenium	82-1	0.11	0.36	0.39	0.29	53.23	ppb
Selenium	77-2	6.35	6.40	6.99	6.58	5.40	ppb
Selenium	78-2	1.39	1.71	0.48	1.19	53.33	ppb
Silicon	28-1	2494.07	2532.47	2498.89	2508.47	0.83	ppb
Silver	107-1	0.01	0.01	0.01	0.01	22.06	ppb
Silver	109-1	0.01	0.01	0.01	0.01	16.75	ppb
Sodium	23-2	5016.93	5109.06	5023.27	5049.75	1.02	ppb
Strontium	86-1	2659.61	2698.07	2677.72	2678.47	0.72	ppb
Strontium	88-1	2693.73	2783.20	2773.36	2750.10	1.78	ppb
Sulfur	34-1	121109.40	123345.48	124154.40	122869.76	1.28	ppb
Terbium	159-1				106		%
Terbium	159-2				104		%
Thallium	203-1	0.01	0.01	0.01	0.01	22.40	ppb
Thallium	205-1	0.02	0.01	0.01	0.01	13.43	ppb
Tin	118-1	0.14	0.14	0.14	0.14	2.33	ppb
Titanium	47-1	1.71	1.67	1.82	1.73	4.36	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5306-10DLX10	Instrumnet Name :	P7
Client Sample ID :	OU4-VSL-11-121224	Dilution Factor :	10
Date & Time Acquired :	2024-12-27 16:19:52	DataFile Name :	028SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.29	1.33	1.35	1.32	2.17	ppb
Vanadium	51-2	112.12	113.75	113.58	113.15	0.80	ppb
Yttrium	89-1				113		%
Yttrium	89-2				109		%
Zinc	66-2	123.49	126.06	124.14	124.56	1.07	ppb
Zirconium	90-1	0.38	0.41	0.41	0.40	3.33	ppb
Zirconium	91-1	0.41	0.40	0.43	0.41	4.20	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	CCV012	Instrumnet Name :	P7
Client Sample ID :	CCV012	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 16:23:02	DataFile Name :	029CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	49281.63	49254.84	49285.30	49273.92	0.03	ppb
Antimony	121-1	496.00	504.23	506.64	502.29	1.11	ppb
Arsenic	75-2	488.24	489.97	497.25	491.82	0.97	ppb
Barium	135-1	2526.57	2569.57	2519.10	2538.42	1.07	ppb
Barium	137-1	2509.42	2556.12	2503.45	2523.00	1.14	ppb
Beryllium	9-1	494.64	494.26	497.17	495.36	0.32	ppb
Bismuth	209-1				98		%
Bismuth	209-2				92		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	489.61	500.50	486.38	492.16	1.50	ppb
Cadmium	106-1	492.55	499.50	488.99	493.68	1.08	ppb
Cadmium	111-1	473.63	482.69	471.94	476.09	1.21	ppb
Calcium	43-1	254938.23	255292.86	258023.42	256084.84	0.66	ppb
Calcium	44-1	254509.93	253837.43	258360.47	255569.28	0.95	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	502.03	496.40	503.23	500.55	0.73	ppb
Cobalt	59-2	494.10	491.67	498.72	494.83	0.72	ppb
Copper	63-2	4799.72	4735.74	4835.19	4790.22	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				103		%
Holmium	165-2				98		%
Indium	115-1				92		%
Indium	115-2				88		%
Iron	56-2	128326.44	127343.62	128081.31	127917.12	0.40	ppb
Iron	57-2	128417.67	128233.56	128604.95	128418.73	0.14	ppb
Iron	54-2	128593.05	127695.40	128344.63	128211.02	0.36	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	CCV012	Instrumnet Name :	P7
Client Sample ID :	CCV012	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 16:23:02	DataFile Name :	029CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2546.95	2618.61	2549.63	2571.73	1.58	ppb
Lead	207-1	2554.58	2593.89	2553.98	2567.48	0.89	ppb
Lead	208-1	2553.52	2598.69	2552.98	2568.40	1.02	ppb
Lithium	6-1				95		%
Magnesium	24-2	250764.92	248607.97	251651.86	250341.58	0.63	ppb
Manganese	55-2	4961.47	4960.72	4949.64	4957.28	0.13	ppb
Molybdenum	94-1	5016.40	5061.99	5102.33	5060.24	0.85	ppb
Molybdenum	95-1	5016.61	5030.68	5113.15	5053.48	1.03	ppb
Molybdenum	96-1	5063.19	5069.15	5081.92	5071.42	0.19	ppb
Molybdenum	97-1	5045.25	5119.78	5070.58	5078.54	0.75	ppb
Molybdenum	98-1	4995.89	5138.03	5088.64	5074.19	1.42	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	471.26	467.73	469.72	469.57	0.38	ppb
Phosphorus	31-2	9949.67	9827.17	10020.29	9932.38	0.98	ppb
Potassium	39-2	125404.95	124830.34	124799.78	125011.69	0.27	ppb
Rhodium	103-1				88		%
Rhodium	103-2				86		%
Scandium	45-1				92		%
Scandium	45-2				88		%
Selenium	82-1	475.22	487.65	482.72	481.87	1.30	ppb
Selenium	77-2	458.50	479.56	460.93	466.33	2.47	ppb
Selenium	78-2	476.51	471.96	478.54	475.67	0.71	ppb
Silicon	28-1	250.15	252.11	257.13	253.13	1.42	ppb
Silver	107-1	483.55	496.74	478.49	486.26	1.94	ppb
Silver	109-1	487.14	490.62	487.92	488.56	0.37	ppb
Sodium	23-2	249094.13	249447.45	250289.74	249610.44	0.25	ppb
Strontium	86-1	12428.11	12923.65	12879.38	12743.71	2.15	ppb
Strontium	88-1	12509.01	12685.00	12718.56	12637.53	0.89	ppb
Sulfur	34-1	9622.98	9579.19	9864.19	9688.79	1.58	ppb
Terbium	159-1				102		%
Terbium	159-2				98		%
Thallium	203-1	518.55	529.22	517.18	521.65	1.26	ppb
Thallium	205-1	513.60	523.83	517.82	518.42	0.99	ppb
Tin	118-1	504.41	505.98	500.32	503.57	0.58	ppb
Titanium	47-1	4901.48	4956.72	5062.76	4973.65	1.65	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	CCV012	Instrumnet Name :	P7
Client Sample ID :	CCV012	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 16:23:02	DataFile Name :	029CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	520.46	529.34	515.19	521.66	1.37	ppb
Vanadium	51-2	504.04	502.31	512.27	506.21	1.05	ppb
Yttrium	89-1				96		%
Yttrium	89-2				91		%
Zinc	66-2	4726.80	4688.21	4762.45	4725.82	0.79	ppb
Zirconium	90-1	502.25	503.66	506.77	504.23	0.46	ppb
Zirconium	91-1	505.84	509.28	517.33	510.82	1.15	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	CCB012	Instrumnet Name :	P7
Client Sample ID :	CCB012	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 16:25:49	DataFile Name :	030CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1.05	0.81	2.94	1.60	73.06	ppb
Antimony	121-1	0.27	0.23	0.19	0.23	17.58	ppb
Arsenic	75-2	0.01	0.01	-0.01	0.00	851.66	ppb
Barium	135-1	0.39	0.23	0.11	0.24	58.15	ppb
Barium	137-1	0.41	0.23	0.14	0.26	53.35	ppb
Beryllium	9-1	0.16	0.11	0.10	0.13	27.54	ppb
Bismuth	209-1				110		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.05	-0.01	0.02	0.02	179.05	ppb
Cadmium	106-1	-0.31	-1.26	-0.85	-0.81		ppb
Cadmium	111-1	0.08	0.04	0.02	0.05	72.40	ppb
Calcium	43-1	42.36	28.17	16.82	29.12	43.96	ppb
Calcium	44-1	42.79	27.74	14.58	28.37	49.77	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.02	0.00	-0.02	-0.02		ppb
Cobalt	59-2	0.00	0.00	0.01	0.00	50.11	ppb
Copper	63-2	0.16	0.15	0.12	0.14	14.70	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				102		%
Indium	115-1				102		%
Indium	115-2				98		%
Iron	56-2	4.68	3.88	7.98	5.51	39.38	ppb
Iron	57-2	3.19	1.93	7.31	4.14	67.88	ppb
Iron	54-2	4.58	3.59	6.66	4.94	31.61	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	CCB012	Instrumnet Name :	P7
Client Sample ID :	CCB012	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 16:25:49	DataFile Name :	030CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.40	0.27	0.15	0.27	46.16	ppb
Lead	207-1	0.38	0.28	0.13	0.26	48.58	ppb
Lead	208-1	0.39	0.27	0.14	0.26	46.55	ppb
Lithium	6-1				104		%
Magnesium	24-2	5.33	4.69	18.27	9.43	81.20	ppb
Manganese	55-2	0.17	0.16	0.25	0.19	23.67	ppb
Molybdenum	94-1	0.95	0.67	0.36	0.66	44.31	ppb
Molybdenum	95-1	0.92	0.58	0.36	0.62	45.61	ppb
Molybdenum	96-1	0.87	0.57	0.32	0.59	46.49	ppb
Molybdenum	97-1	0.87	0.61	0.34	0.61	43.22	ppb
Molybdenum	98-1	0.91	0.61	0.33	0.62	46.67	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.01	0.01	-0.04	-0.01		ppb
Phosphorus	31-2	-15.40	-16.67	-14.13	-15.40		ppb
Potassium	39-2	7.00	5.81	7.26	6.69	11.54	ppb
Rhodium	103-1				99		%
Rhodium	103-2				98		%
Scandium	45-1				95		%
Scandium	45-2				92		%
Selenium	82-1	0.10	-0.36	-0.30	-0.19		ppb
Selenium	77-2	0.00	0.00	0.32	0.11	173.21	ppb
Selenium	78-2	-1.55	-1.13	-1.15	-1.28		ppb
Silicon	28-1	-2.72	-2.76	-2.93	-2.80		ppb
Silver	107-1	0.11	0.08	0.06	0.08	30.87	ppb
Silver	109-1	0.12	0.07	0.06	0.08	38.44	ppb
Sodium	23-2	35.59	33.31	41.38	36.76	11.32	ppb
Strontium	86-1	2.14	2.13	0.67	1.65	51.18	ppb
Strontium	88-1	2.06	1.18	0.66	1.30	54.61	ppb
Sulfur	34-1	-564.59	-410.57	-375.78	-450.31		ppb
Terbium	159-1				106		%
Terbium	159-2				102		%
Thallium	203-1	0.09	0.07	0.05	0.07	27.85	ppb
Thallium	205-1	0.09	0.06	0.05	0.07	28.94	ppb
Tin	118-1	0.12	0.08	0.06	0.09	38.57	ppb
Titanium	47-1	0.92	0.57	0.33	0.60	48.68	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	CCB012	Instrumnet Name :	P7
Client Sample ID :	CCB012	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 16:25:49	DataFile Name :	030CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.08	0.05	0.02	0.05	50.56	ppb
Vanadium	51-2	0.01	0.00	0.02	0.01	65.07	ppb
Yttrium	89-1				100		%
Yttrium	89-2				96		%
Zinc	66-2	0.13	0.17	0.23	0.18	28.99	ppb
Zirconium	90-1	0.10	0.09	0.05	0.08	34.22	ppb
Zirconium	91-1	0.11	0.07	0.06	0.08	31.10	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	PB165821BL	Instrumnet Name :	P7
Client Sample ID :	PBS821	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 16:29:07	DataFile Name :	031CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.43	0.59	0.57	0.53	16.52	ppb
Antimony	121-1	0.04	0.05	0.04	0.05	8.97	ppb
Arsenic	75-2	-0.02	-0.02	-0.02	-0.02		ppb
Barium	135-1	0.01	0.01	0.00	0.01	159.66	ppb
Barium	137-1	0.01	0.01	0.01	0.01	19.35	ppb
Beryllium	9-1	0.05	0.05	0.02	0.04	39.63	ppb
Bismuth	209-1				106		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.03	0.03	0.00	0.00	1058.42	ppb
Cadmium	106-1	-0.58	0.41	-0.02	-0.06		ppb
Cadmium	111-1	0.00	0.01	0.01	0.00	177.59	ppb
Calcium	43-1	1.49	4.03	2.98	2.83	45.01	ppb
Calcium	44-1	2.17	2.10	1.75	2.01	11.28	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.14	-0.14	-0.16	-0.14		ppb
Cobalt	59-2	0.00	-0.01	-0.01	-0.01		ppb
Copper	63-2	0.06	0.04	0.04	0.05	24.26	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				101		%
Indium	115-1				101		%
Indium	115-2				97		%
Iron	56-2	0.42	0.32	0.24	0.33	27.27	ppb
Iron	57-2	-0.92	-0.67	-0.84	-0.81		ppb
Iron	54-2	0.59	0.32	0.21	0.37	52.52	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	PB165821BL	Instrumnet Name :	P7
Client Sample ID :	PBS821	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 16:29:07	DataFile Name :	031CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.02	0.03	0.03	0.03	8.28	ppb
Lead	207-1	0.03	0.03	0.03	0.03	4.36	ppb
Lead	208-1	0.03	0.03	0.03	0.03	4.18	ppb
Lithium	6-1				104		%
Magnesium	24-2	0.91	0.73	0.50	0.71	28.77	ppb
Manganese	55-2	0.12	0.15	0.15	0.14	10.85	ppb
Molybdenum	94-1	0.06	0.06	0.05	0.06	9.68	ppb
Molybdenum	95-1	0.02	0.02	0.02	0.02	7.20	ppb
Molybdenum	96-1	0.03	0.03	0.04	0.03	15.38	ppb
Molybdenum	97-1	0.03	0.04	0.04	0.04	12.89	ppb
Molybdenum	98-1	0.03	0.03	0.03	0.03	4.91	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.09	-0.10	-0.09	-0.09		ppb
Phosphorus	31-2	-12.25	-15.40	-15.49	-14.38		ppb
Potassium	39-2	1.74	-1.34	-0.83	-0.14		ppb
Rhodium	103-1				99		%
Rhodium	103-2				98		%
Scandium	45-1				96		%
Scandium	45-2				92		%
Selenium	82-1	0.14	-0.19	-0.77	-0.28		ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-0.58	-0.87	-0.32	-0.59		ppb
Silicon	28-1	-2.80	-2.87	-2.58	-2.75		ppb
Silver	107-1	0.01	0.01	0.01	0.01	16.31	ppb
Silver	109-1	0.02	0.01	0.01	0.01	15.28	ppb
Sodium	23-2	11.36	11.37	10.14	10.96	6.45	ppb
Strontium	86-1	0.03	0.23	0.13	0.13	78.53	ppb
Strontium	88-1	0.20	0.11	0.17	0.16	28.88	ppb
Sulfur	34-1	-368.22	-279.15	-222.66	-290.01		ppb
Terbium	159-1				104		%
Terbium	159-2				101		%
Thallium	203-1	0.02	0.01	0.01	0.01	21.10	ppb
Thallium	205-1	0.01	0.02	0.02	0.02	15.38	ppb
Tin	118-1	0.05	0.05	0.05	0.05	7.77	ppb
Titanium	47-1	0.03	0.06	0.02	0.04	55.38	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	PB165821BL	Instrumnet Name :	P7
Client Sample ID :	PBS821	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 16:29:07	DataFile Name :	031CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	14.67	ppb
Vanadium	51-2	0.00	0.00	0.01	0.00	110.41	ppb
Yttrium	89-1				100		%
Yttrium	89-2				96		%
Zinc	66-2	0.21	0.23	0.26	0.23	10.01	ppb
Zirconium	90-1	0.00	0.01	0.01	0.01	66.64	ppb
Zirconium	91-1	0.01	0.01	0.01	0.01	38.85	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	PB165821BS	Instrumnet Name :	P7
Client Sample ID :	LCS821	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 16:32:28	DataFile Name :	032LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	37.92	37.83	38.28	38.01	0.62	ppb
Antimony	121-1	3.98	4.02	4.04	4.01	0.72	ppb
Arsenic	75-2	2.19	2.08	2.17	2.15	2.86	ppb
Barium	135-1	19.16	19.38	19.31	19.28	0.58	ppb
Barium	137-1	19.37	19.78	19.72	19.62	1.12	ppb
Beryllium	9-1	2.08	1.99	2.15	2.08	3.73	ppb
Bismuth	209-1				106		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.62	1.95	2.16	1.91	14.21	ppb
Cadmium	106-1	2.56	1.95	1.88	2.13	17.48	ppb
Cadmium	111-1	2.14	2.10	2.10	2.11	1.06	ppb
Calcium	43-1	996.21	1011.68	1048.07	1018.66	2.61	ppb
Calcium	44-1	1018.16	1032.71	1035.06	1028.64	0.89	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3.53	3.78	3.66	3.66	3.33	ppb
Cobalt	59-2	2.02	2.00	1.99	2.00	0.81	ppb
Copper	63-2	4.06	4.17	4.05	4.10	1.68	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				101		%
Indium	115-1				101		%
Indium	115-2				98		%
Iron	56-2	422.47	420.25	419.50	420.74	0.37	ppb
Iron	57-2	416.79	414.18	420.14	417.04	0.72	ppb
Iron	54-2	426.46	430.02	426.01	427.50	0.51	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	PB165821BS	Instrumnet Name :	P7
Client Sample ID :	LCS821	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 16:32:28	DataFile Name :	032LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1.90	1.90	1.89	1.90	0.22	ppb
Lead	207-1	1.87	1.90	1.95	1.90	2.06	ppb
Lead	208-1	1.88	1.91	1.93	1.91	1.13	ppb
Lithium	6-1				104		%
Magnesium	24-2	947.80	943.47	943.12	944.80	0.28	ppb
Manganese	55-2	2.11	2.11	2.14	2.12	0.86	ppb
Molybdenum	94-1	11.28	11.54	11.65	11.49	1.65	ppb
Molybdenum	95-1	9.46	9.60	9.65	9.57	1.06	ppb
Molybdenum	96-1	9.76	9.77	9.88	9.80	0.65	ppb
Molybdenum	97-1	9.57	9.91	9.85	9.78	1.86	ppb
Molybdenum	98-1	9.62	9.79	9.76	9.72	0.90	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.07	1.92	1.94	1.98	4.24	ppb
Phosphorus	31-2	30.92	38.24	31.47	33.54	12.16	ppb
Potassium	39-2	1014.86	1007.58	1009.03	1010.49	0.38	ppb
Rhodium	103-1				99		%
Rhodium	103-2				99		%
Scandium	45-1				98		%
Scandium	45-2				94		%
Selenium	82-1	9.63	10.71	10.81	10.38	6.30	ppb
Selenium	77-2	12.24	12.33	14.71	13.09	10.69	ppb
Selenium	78-2	10.84	9.26	10.51	10.20	8.15	ppb
Silicon	28-1	0.90	1.25	1.46	1.20	23.69	ppb
Silver	107-1	1.96	2.03	2.06	2.02	2.36	ppb
Silver	109-1	1.95	2.02	2.02	2.00	2.17	ppb
Sodium	23-2	940.02	927.68	928.77	932.16	0.73	ppb
Strontium	86-1	48.03	47.78	47.71	47.84	0.35	ppb
Strontium	88-1	47.96	49.38	49.78	49.04	1.96	ppb
Sulfur	34-1	-259.39	-187.26	-163.93	-203.53		ppb
Terbium	159-1				104		%
Terbium	159-2				101		%
Thallium	203-1	1.85	1.89	1.92	1.89	1.75	ppb
Thallium	205-1	1.88	1.88	1.92	1.89	1.29	ppb
Tin	118-1	9.95	10.21	10.15	10.10	1.37	ppb
Titanium	47-1	2.33	2.28	2.37	2.33	2.07	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	PB165821BS	Instrumnet Name :	P7
Client Sample ID :	LCS821	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 16:32:28	DataFile Name :	032LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.73	1.77	1.77	1.76	1.52	ppb
Vanadium	51-2	9.85	9.90	9.95	9.90	0.55	ppb
Yttrium	89-1				100		%
Yttrium	89-2				97		%
Zinc	66-2	10.41	10.66	10.78	10.62	1.77	ppb
Zirconium	90-1	1.90	1.91	1.99	1.93	2.60	ppb
Zirconium	91-1	1.95	1.94	1.99	1.96	1.41	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5255-02A	Instrumnet Name :	P7
Client Sample ID :	MJNL72A	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 16:35:44	DataFile Name :	033SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	6104.37	6084.33	6057.11	6081.93	0.39	ppb
Antimony	121-1	4.01	4.29	4.31	4.20	3.98	ppb
Arsenic	75-2	78.17	80.11	78.66	78.98	1.28	ppb
Barium	135-1	21.83	23.54	23.29	22.89	4.04	ppb
Barium	137-1	22.53	23.73	23.58	23.28	2.80	ppb
Beryllium	9-1	0.16	0.19	0.17	0.17	7.93	ppb
Bismuth	209-1				110		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.67	0.50	0.45	0.54	20.99	ppb
Cadmium	106-1	1.35	1.03	0.01	0.80	88.09	ppb
Cadmium	111-1	0.58	0.58	0.60	0.58	1.73	ppb
Calcium	43-1	4252.99	4616.48	4601.21	4490.23	4.58	ppb
Calcium	44-1	4155.43	4519.35	4562.96	4412.58	5.07	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	22.56	22.47	22.70	22.58	0.50	ppb
Cobalt	59-2	6.34	6.43	6.38	6.39	0.72	ppb
Copper	63-2	347.04	340.95	348.20	345.40	1.13	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				110		%
Holmium	165-2				105		%
Indium	115-1				104		%
Indium	115-2				101		%
Iron	56-2	11860.05	11842.33	12047.95	11916.77	0.96	ppb
Iron	57-2	11822.46	11920.66	11857.17	11866.76	0.42	ppb
Iron	54-2	11898.57	12006.85	12017.72	11974.38	0.55	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5255-02A	Instrumnet Name :	P7
Client Sample ID :	MJNL72A	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 16:35:44	DataFile Name :	033SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	43.66	45.49	46.18	45.11	2.89	ppb
Lead	207-1	42.96	45.32	45.88	44.72	3.47	ppb
Lead	208-1	42.96	45.36	45.67	44.66	3.32	ppb
Lithium	6-1				107		%
Magnesium	24-2	4207.99	4282.10	4261.77	4250.62	0.90	ppb
Manganese	55-2	113.52	115.43	115.20	114.71	0.91	ppb
Molybdenum	94-1	6.42	7.13	7.00	6.85	5.50	ppb
Molybdenum	95-1	2.33	2.52	2.50	2.45	4.24	ppb
Molybdenum	96-1	2.92	3.10	3.20	3.07	4.77	ppb
Molybdenum	97-1	2.38	2.59	2.57	2.51	4.52	ppb
Molybdenum	98-1	2.42	2.59	2.56	2.52	3.46	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	18.24	18.38	18.51	18.38	0.73	ppb
Phosphorus	31-2	834.10	859.81	865.37	853.09	1.96	ppb
Potassium	39-2	1179.87	1176.69	1194.27	1183.61	0.79	ppb
Rhodium	103-1				103		%
Rhodium	103-2				103		%
Scandium	45-1				101		%
Scandium	45-2				100		%
Selenium	82-1	0.29	0.50	0.63	0.47	35.50	ppb
Selenium	77-2	3.13	3.46	2.73	3.11	11.77	ppb
Selenium	78-2	0.18	0.52	0.12	0.27	78.95	ppb
Silicon	28-1	442.16	481.66	485.97	469.93	5.14	ppb
Silver	107-1	0.77	0.74	0.74	0.75	2.41	ppb
Silver	109-1	0.76	0.74	0.72	0.74	2.73	ppb
Sodium	23-2	6719.86	6654.53	6744.23	6706.20	0.69	ppb
Strontium	86-1	767.38	828.65	842.74	812.92	4.93	ppb
Strontium	88-1	763.62	829.04	830.77	807.81	4.74	ppb
Sulfur	34-1	2672.64	3079.47	3026.00	2926.04	7.56	ppb
Terbium	159-1				108		%
Terbium	159-2				104		%
Thallium	203-1	0.38	0.40	0.39	0.39	2.43	ppb
Thallium	205-1	0.37	0.38	0.38	0.38	1.91	ppb
Tin	118-1	2.86	2.99	3.06	2.97	3.45	ppb
Titanium	47-1	408.30	445.43	442.46	432.06	4.78	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5255-02A	Instrumnet Name :	P7
Client Sample ID :	MJNL72A	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 16:35:44	DataFile Name :	033SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	2.03	2.14	2.14	2.10	3.06	ppb
Vanadium	51-2	23.96	24.14	24.25	24.12	0.61	ppb
Yttrium	89-1				107		%
Yttrium	89-2				103		%
Zinc	66-2	118.90	121.64	121.48	120.67	1.27	ppb
Zirconium	90-1	2.53	2.70	2.77	2.67	4.51	ppb
Zirconium	91-1	2.50	2.80	2.85	2.71	6.89	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5256-01ARE	Instrumnet Name :	P7
Client Sample ID :	MJNL92A	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 16:41:23	DataFile Name :	034SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9388.66	9505.10	9482.72	9458.83	0.65	ppb
Antimony	121-1	77.11	77.09	76.78	77.00	0.24	ppb
Arsenic	75-2	404.56	415.21	410.68	410.15	1.30	ppb
Barium	135-1	187.79	187.94	188.67	188.13	0.25	ppb
Barium	137-1	191.64	190.30	192.54	191.49	0.59	ppb
Beryllium	9-1	0.24	0.24	0.26	0.25	3.43	ppb
Bismuth	209-1				112		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	3.04	3.16	2.86	3.02	5.04	ppb
Cadmium	106-1	1.85	1.55	2.15	1.85	16.09	ppb
Cadmium	111-1	2.57	2.50	2.33	2.47	4.95	ppb
Calcium	43-1	6689.63	6741.32	6589.19	6673.38	1.16	ppb
Calcium	44-1	6605.01	6535.86	6418.79	6519.89	1.44	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	32.29	32.73	32.65	32.55	0.72	ppb
Cobalt	59-2	34.14	34.52	34.44	34.37	0.57	ppb
Copper	63-2	5510.15	5586.78	5547.06	5548.00	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				110		%
Holmium	165-2				107		%
Indium	115-1				108		%
Indium	115-2				105		%
Iron	56-2	36924.47	37741.22	37489.96	37385.22	1.12	ppb
Iron	57-2	36683.46	36783.44	36798.27	36755.06	0.17	ppb
Iron	54-2	37409.18	37798.15	37495.15	37567.49	0.54	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5256-01ARE	Instrumnet Name :	P7
Client Sample ID :	MJNL92A	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 16:41:23	DataFile Name :	034SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	532.49	529.43	531.50	531.14	0.29	ppb
Lead	207-1	521.33	520.98	528.68	523.66	0.83	ppb
Lead	208-1	523.36	524.72	526.78	524.95	0.33	ppb
Lithium	6-1				107		%
Magnesium	24-2	5933.07	5877.04	5998.76	5936.29	1.03	ppb
Manganese	55-2	402.99	405.90	405.02	404.64	0.37	ppb
Molybdenum	94-1	16.37	16.64	16.68	16.56	1.03	ppb
Molybdenum	95-1	10.00	10.19	10.14	10.11	0.97	ppb
Molybdenum	96-1	10.86	11.18	11.12	11.05	1.56	ppb
Molybdenum	97-1	10.16	10.37	10.23	10.25	1.05	ppb
Molybdenum	98-1	10.05	10.15	10.18	10.13	0.69	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	28.32	28.93	28.78	28.68	1.11	ppb
Phosphorus	31-2	785.44	763.56	815.91	788.30	3.34	ppb
Potassium	39-2	2125.18	2145.43	2159.79	2143.47	0.81	ppb
Rhodium	103-1				105		%
Rhodium	103-2				104		%
Scandium	45-1				107		%
Scandium	45-2				104		%
Selenium	82-1	2.46	2.60	2.50	2.52	3.01	ppb
Selenium	77-2	4.36	7.44	5.92	5.91	26.11	ppb
Selenium	78-2	1.32	1.92	2.67	1.97	34.37	ppb
Silicon	28-1	1080.10	1091.43	1064.28	1078.60	1.26	ppb
Silver	107-1	10.27	10.27	10.25	10.27	0.11	ppb
Silver	109-1	10.03	10.04	10.18	10.08	0.83	ppb
Sodium	23-2	13659.97	13832.51	13778.92	13757.13	0.64	ppb
Strontium	86-1	1662.68	1682.70	1672.24	1672.54	0.60	ppb
Strontium	88-1	1725.65	1729.91	1712.94	1722.83	0.51	ppb
Sulfur	34-1	13837.21	13696.49	13297.86	13610.52	2.06	ppb
Terbium	159-1				109		%
Terbium	159-2				107		%
Thallium	203-1	0.75	0.75	0.74	0.75	0.62	ppb
Thallium	205-1	0.77	0.76	0.78	0.77	1.81	ppb
Tin	118-1	48.50	48.08	48.07	48.22	0.51	ppb
Titanium	47-1	448.65	454.27	442.74	448.55	1.28	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5256-01ARE	Instrumnet Name :	P7
Client Sample ID :	MJNL92A	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 16:41:23	DataFile Name :	034SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.27	1.27	1.29	1.28	0.79	ppb
Vanadium	51-2	35.89	36.51	36.61	36.34	1.06	ppb
Yttrium	89-1				111		%
Yttrium	89-2				105		%
Zinc	66-2	1667.95	1689.30	1679.61	1678.95	0.64	ppb
Zirconium	90-1	4.32	4.41	4.36	4.36	1.00	ppb
Zirconium	91-1	4.29	4.62	4.40	4.43	3.81	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5259-04A	Instrumnet Name :	P7
Client Sample ID :	ME28X0A	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 16:44:31	DataFile Name :	035SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	15415.24	15230.65	15254.22	15300.03	0.66	ppb
Antimony	121-1	4.09	4.17	4.20	4.15	1.33	ppb
Arsenic	75-2	53.88	53.33	54.06	53.76	0.71	ppb
Barium	135-1	163.27	167.14	167.98	166.13	1.51	ppb
Barium	137-1	165.09	170.82	170.15	168.69	1.86	ppb
Beryllium	9-1	0.98	1.13	1.02	1.05	7.58	ppb
Bismuth	209-1				110		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.69	3.11	3.18	2.99	8.74	ppb
Cadmium	106-1	3.85	3.55	2.54	3.31	20.77	ppb
Cadmium	111-1	2.85	2.86	2.93	2.88	1.41	ppb
Calcium	43-1	70602.04	72554.21	70986.90	71381.05	1.45	ppb
Calcium	44-1	69575.83	71849.98	71954.98	71126.93	1.89	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	36.46	36.38	36.26	36.37	0.27	ppb
Cobalt	59-2	20.80	20.44	20.59	20.61	0.89	ppb
Copper	63-2	48.48	47.44	47.97	47.96	1.08	ppb
Dysprosium	156-1						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				105		%
Indium	115-1				106		%
Indium	115-2				100		%
Iron	56-2	43216.20	42832.18	42930.07	42992.82	0.46	ppb
Iron	57-2	43007.12	42815.61	42595.16	42805.96	0.48	ppb
Iron	54-2	43651.77	42554.29	43341.38	43182.48	1.31	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5259-04A	Instrumnet Name :	P7
Client Sample ID :	ME28X0A	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 16:44:31	DataFile Name :	035SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	50.97	51.87	52.71	51.85	1.67	ppb
Lead	207-1	46.99	47.88	48.68	47.85	1.76	ppb
Lead	208-1	48.51	49.31	50.04	49.29	1.55	ppb
Lithium	6-1				108		%
Magnesium	24-2	33940.92	33712.98	33605.07	33752.99	0.51	ppb
Manganese	55-2	1015.80	995.42	1010.10	1007.10	1.04	ppb
Molybdenum	94-1	6.55	6.77	7.00	6.77	3.30	ppb
Molybdenum	95-1	2.57	2.69	2.68	2.65	2.46	ppb
Molybdenum	96-1	3.30	3.45	3.41	3.39	2.40	ppb
Molybdenum	97-1	2.59	2.74	2.68	2.67	2.78	ppb
Molybdenum	98-1	2.60	2.71	2.71	2.67	2.41	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	55.12	54.78	54.41	54.77	0.64	ppb
Phosphorus	31-2	1002.62	997.97	971.66	990.75	1.69	ppb
Potassium	39-2	2446.29	2452.95	2436.39	2445.21	0.34	ppb
Rhodium	103-1				103		%
Rhodium	103-2				101		%
Scandium	45-1				104		%
Scandium	45-2				98		%
Selenium	82-1	12.10	12.51	11.66	12.09	3.53	ppb
Selenium	77-2	17.07	22.59	19.43	19.69	14.06	ppb
Selenium	78-2	13.86	12.75	11.56	12.72	9.01	ppb
Silicon	28-1	910.58	949.26	948.33	936.06	2.36	ppb
Silver	107-1	0.28	0.26	0.25	0.26	4.94	ppb
Silver	109-1	0.27	0.24	0.24	0.25	7.26	ppb
Sodium	23-2	242.60	241.92	243.75	242.76	0.38	ppb
Strontium	86-1	1850.65	1903.71	1938.49	1897.62	2.33	ppb
Strontium	88-1	1895.14	1960.36	1981.79	1945.76	2.32	ppb
Sulfur	34-1	585.95	851.93	862.07	766.65	20.42	ppb
Terbium	159-1				110		%
Terbium	159-2				105		%
Thallium	203-1	2.43	2.44	2.48	2.45	1.05	ppb
Thallium	205-1	2.40	2.43	2.49	2.44	1.89	ppb
Tin	118-1	1.71	1.73	1.78	1.74	2.17	ppb
Titanium	47-1	225.95	234.93	235.46	232.11	2.30	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5259-04A	Instrumnet Name :	P7
Client Sample ID :	ME28X0A	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 16:44:31	DataFile Name :	035SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.31	1.34	1.35	1.33	1.49	ppb
Vanadium	51-2	44.84	44.40	44.63	44.62	0.49	ppb
Yttrium	89-1				111		%
Yttrium	89-2				104		%
Zinc	66-2	164.63	161.98	164.03	163.55	0.85	ppb
Zirconium	90-1	2.46	2.57	2.58	2.54	2.60	ppb
Zirconium	91-1	2.56	2.61	2.59	2.58	1.02	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5271-06A	Instrumnet Name :	P7
Client Sample ID :	MJNKC7A	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 16:47:44	DataFile Name :	036SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	14211.72	14116.81	13966.75	14098.43	0.88	ppb
Antimony	121-1	410.45	422.73	419.94	417.71	1.54	ppb
Arsenic	75-2	1431.84	1421.60	1444.83	1432.76	0.81	ppb
Barium	135-1	185.09	189.08	189.75	187.97	1.34	ppb
Barium	137-1	188.74	194.23	192.69	191.89	1.47	ppb
Beryllium	9-1	0.50	0.59	0.50	0.53	9.43	ppb
Bismuth	209-1				112		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	7.50	7.99	7.55	7.68	3.51	ppb
Cadmium	106-1	7.88	8.08	7.67	7.88	2.60	ppb
Cadmium	111-1	5.97	5.64	5.58	5.73	3.71	ppb
Calcium	43-1	19413.24	19192.82	19692.81	19432.95	1.29	ppb
Calcium	44-1	18780.18	18663.37	19147.09	18863.54	1.34	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	40.03	39.89	39.96	39.96	0.19	ppb
Cobalt	59-2	344.96	340.05	334.41	339.81	1.55	ppb
Copper	63-2	595.86	588.97	591.39	592.07	0.59	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				112		%
Holmium	165-2				107		%
Indium	115-1				115		%
Indium	115-2				111		%
Iron	56-2	80236.56	79427.64	79278.74	79647.65	0.65	ppb
Iron	57-2	80198.65	78842.79	79232.21	79424.55	0.88	ppb
Iron	54-2	80596.66	79479.47	79810.57	79962.23	0.72	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5271-06A	Instrumnet Name :	P7
Client Sample ID :	MJNKC7A	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 16:47:44	DataFile Name :	036SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1146.71	1123.99	1135.32	1135.34	1.00	ppb
Lead	207-1	1132.11	1102.14	1122.95	1119.07	1.37	ppb
Lead	208-1	1132.11	1110.81	1127.12	1123.35	0.99	ppb
Lithium	6-1				107		%
Magnesium	24-2	9400.45	9158.00	9369.01	9309.15	1.42	ppb
Manganese	55-2	648.53	638.82	646.43	644.59	0.79	ppb
Molybdenum	94-1	27.28	26.89	27.35	27.18	0.91	ppb
Molybdenum	95-1	18.79	18.87	19.32	18.99	1.50	ppb
Molybdenum	96-1	20.62	20.30	20.57	20.50	0.84	ppb
Molybdenum	97-1	19.12	19.06	19.31	19.16	0.67	ppb
Molybdenum	98-1	19.08	18.99	19.10	19.06	0.31	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	46.70	46.05	46.23	46.33	0.72	ppb
Phosphorus	31-2	1453.29	1486.52	1434.92	1458.24	1.79	ppb
Potassium	39-2	3864.59	3916.93	3862.90	3881.47	0.79	ppb
Rhodium	103-1				107		%
Rhodium	103-2				107		%
Scandium	45-1				106		%
Scandium	45-2				106		%
Selenium	82-1	13.24	11.27	11.75	12.09	8.47	ppb
Selenium	77-2	17.15	15.64	12.03	14.94	17.60	ppb
Selenium	78-2	10.10	11.26	9.64	10.34	8.08	ppb
Silicon	28-1	1249.90	1240.59	1291.24	1260.58	2.14	ppb
Silver	107-1	1.69	1.72	1.73	1.71	1.12	ppb
Silver	109-1	1.63	1.74	1.74	1.70	3.56	ppb
Sodium	23-2	12267.13	12104.49	12028.48	12133.37	1.00	ppb
Strontium	86-1	3619.76	3601.54	3648.08	3623.13	0.65	ppb
Strontium	88-1	3732.10	3679.26	3796.57	3735.97	1.57	ppb
Sulfur	34-1	1634.38	1501.20	1551.76	1562.45	4.30	ppb
Terbium	159-1				111		%
Terbium	159-2				108		%
Thallium	203-1	2.37	2.27	2.28	2.31	2.36	ppb
Thallium	205-1	2.37	2.27	2.27	2.31	2.44	ppb
Tin	118-1	145.96	148.07	144.87	146.30	1.11	ppb
Titanium	47-1	547.66	545.19	564.10	552.32	1.86	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5271-06A	Instrumnet Name :	P7
Client Sample ID :	MJNKC7A	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 16:47:44	DataFile Name :	036SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.57	1.56	1.59	1.57	0.85	ppb
Vanadium	51-2	51.35	50.91	51.12	51.13	0.43	ppb
Yttrium	89-1				112		%
Yttrium	89-2				108		%
Zinc	66-2	4946.62	4884.62	4971.96	4934.40	0.91	ppb
Zirconium	90-1	6.27	6.31	6.43	6.33	1.30	ppb
Zirconium	91-1	6.55	6.73	6.86	6.71	2.35	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5266-04	Instrumnet Name :	P7
Client Sample ID :	ME28Y9	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 16:50:47	DataFile Name :	037SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	11607.82	11537.06	11329.46	11491.45	1.26	ppb
Antimony	121-1	0.84	0.90	0.93	0.89	4.66	ppb
Arsenic	75-2	14.67	14.20	14.59	14.49	1.76	ppb
Barium	135-1	172.87	178.14	183.87	178.29	3.08	ppb
Barium	137-1	175.70	181.14	187.95	181.59	3.38	ppb
Beryllium	9-1	0.85	0.86	0.91	0.87	3.45	ppb
Bismuth	209-1				110		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.53	1.62	1.33	1.50	9.86	ppb
Cadmium	106-1	1.79	1.41	2.51	1.91	29.33	ppb
Cadmium	111-1	1.14	1.25	1.31	1.23	7.09	ppb
Calcium	43-1	69264.71	72975.33	74767.81	72335.95	3.88	ppb
Calcium	44-1	68969.68	72717.12	74051.88	71912.89	3.66	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	43.82	44.49	44.19	44.17	0.76	ppb
Cobalt	59-2	18.32	18.66	18.20	18.39	1.27	ppb
Copper	63-2	42.96	43.92	43.54	43.47	1.12	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				111		%
Holmium	165-2				105		%
Indium	115-1				106		%
Indium	115-2				100		%
Iron	56-2	43059.01	43490.00	43004.09	43184.37	0.62	ppb
Iron	57-2	43102.91	43432.53	42431.14	42988.86	1.19	ppb
Iron	54-2	43023.75	43546.61	43126.56	43232.30	0.64	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5266-04	Instrumnet Name :	P7
Client Sample ID :	ME28Y9	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 16:50:47	DataFile Name :	037SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	78.75	81.37	84.02	81.38	3.24	ppb
Lead	207-1	73.26	76.24	77.70	75.73	2.98	ppb
Lead	208-1	74.92	78.06	79.76	77.58	3.17	ppb
Lithium	6-1				108		%
Magnesium	24-2	33562.09	33743.21	33330.18	33545.16	0.62	ppb
Manganese	55-2	1589.68	1616.48	1583.10	1596.42	1.11	ppb
Molybdenum	94-1	8.59	9.11	9.29	9.00	4.07	ppb
Molybdenum	95-1	3.33	3.44	3.61	3.46	4.03	ppb
Molybdenum	96-1	4.11	4.36	4.42	4.30	3.83	ppb
Molybdenum	97-1	3.21	3.40	3.64	3.42	6.31	ppb
Molybdenum	98-1	3.32	3.42	3.58	3.44	3.81	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	55.44	55.31	54.93	55.23	0.47	ppb
Phosphorus	31-2	955.36	943.29	935.14	944.60	1.08	ppb
Potassium	39-2	1986.66	1997.24	2000.76	1994.89	0.37	ppb
Rhodium	103-1				104		%
Rhodium	103-2				101		%
Scandium	45-1				104		%
Scandium	45-2				98		%
Selenium	82-1	1.07	1.09	0.54	0.90	34.43	ppb
Selenium	77-2	7.04	9.34	5.44	7.27	26.89	ppb
Selenium	78-2	0.39	0.66	0.05	0.36	83.75	ppb
Silicon	28-1	865.66	913.84	936.76	905.42	4.01	ppb
Silver	107-1	0.32	0.32	0.33	0.32	1.76	ppb
Silver	109-1	0.30	0.32	0.34	0.32	5.44	ppb
Sodium	23-2	212.41	212.24	211.73	212.12	0.17	ppb
Strontium	86-1	1726.11	1829.03	1884.99	1813.38	4.44	ppb
Strontium	88-1	1794.76	1898.51	1919.47	1870.91	3.57	ppb
Sulfur	34-1	677.10	917.45	1113.03	902.53	24.19	ppb
Terbium	159-1				110		%
Terbium	159-2				106		%
Thallium	203-1	0.42	0.40	0.45	0.43	5.67	ppb
Thallium	205-1	0.40	0.43	0.45	0.43	5.06	ppb
Tin	118-1	2.35	1.69	1.78	1.94	18.35	ppb
Titanium	47-1	197.46	206.97	215.04	206.49	4.26	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5266-04	Instrumnet Name :	P7
Client Sample ID :	ME28Y9	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 16:50:47	DataFile Name :	037SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.05	1.11	1.15	1.10	4.66	ppb
Vanadium	51-2	38.30	38.63	38.33	38.42	0.48	ppb
Yttrium	89-1				111		%
Yttrium	89-2				103		%
Zinc	66-2	207.85	210.33	206.72	208.30	0.89	ppb
Zirconium	90-1	3.23	3.41	3.53	3.39	4.45	ppb
Zirconium	91-1	3.29	3.35	3.58	3.41	4.59	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5266-19	Instrumnet Name :	P7
Client Sample ID :	ME28Y9D	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 16:53:59	DataFile Name :	038SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	11223.14	11317.17	11280.28	11273.53	0.42	ppb
Antimony	121-1	0.79	0.81	0.83	0.81	2.44	ppb
Arsenic	75-2	14.35	14.75	14.71	14.60	1.49	ppb
Barium	135-1	174.98	174.42	175.63	175.01	0.34	ppb
Barium	137-1	178.31	177.64	178.51	178.15	0.26	ppb
Beryllium	9-1	0.92	0.87	0.89	0.89	3.07	ppb
Bismuth	209-1				110		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.69	1.68	1.57	1.65	4.19	ppb
Cadmium	106-1	2.61	1.50	1.71	1.94	30.26	ppb
Cadmium	111-1	1.22	1.09	1.17	1.16	5.79	ppb
Calcium	43-1	71746.78	72400.30	73106.09	72417.73	0.94	ppb
Calcium	44-1	71065.83	72114.19	71835.63	71671.88	0.76	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	43.66	43.45	43.57	43.56	0.25	ppb
Cobalt	59-2	18.21	18.11	17.99	18.10	0.60	ppb
Copper	63-2	42.61	42.71	42.22	42.51	0.61	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				110		%
Holmium	165-2				105		%
Indium	115-1				105		%
Indium	115-2				99		%
Iron	56-2	42566.41	42544.85	42252.10	42454.46	0.41	ppb
Iron	57-2	41857.48	42611.15	41671.75	42046.79	1.18	ppb
Iron	54-2	42868.34	42372.68	42376.12	42539.04	0.67	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5266-19	Instrumnet Name :	P7
Client Sample ID :	ME28Y9D	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 16:53:59	DataFile Name :	038SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	79.45	81.16	81.40	80.67	1.31	ppb
Lead	207-1	73.65	75.45	74.46	74.52	1.20	ppb
Lead	208-1	75.60	77.02	77.09	76.57	1.10	ppb
Lithium	6-1				108		%
Magnesium	24-2	33089.65	33023.79	32841.95	32985.13	0.39	ppb
Manganese	55-2	1568.26	1564.16	1567.72	1566.72	0.14	ppb
Molybdenum	94-1	8.64	9.02	9.05	8.90	2.54	ppb
Molybdenum	95-1	3.26	3.39	3.39	3.35	2.22	ppb
Molybdenum	96-1	4.07	4.31	4.67	4.35	6.86	ppb
Molybdenum	97-1	3.22	3.49	3.36	3.36	4.08	ppb
Molybdenum	98-1	3.36	3.43	3.39	3.40	1.05	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	54.04	54.25	54.40	54.23	0.33	ppb
Phosphorus	31-2	962.94	965.38	970.18	966.17	0.38	ppb
Potassium	39-2	1973.71	1999.20	2006.31	1993.07	0.86	ppb
Rhodium	103-1				103		%
Rhodium	103-2				102		%
Scandium	45-1				101		%
Scandium	45-2				97		%
Selenium	82-1	1.26	0.91	0.89	1.02	20.07	ppb
Selenium	77-2	7.49	7.52	6.84	7.29	5.30	ppb
Selenium	78-2	1.17	0.61	1.88	1.22	51.92	ppb
Silicon	28-1	903.08	913.27	920.62	912.32	0.97	ppb
Silver	107-1	0.29	0.29	0.32	0.30	5.28	ppb
Silver	109-1	0.29	0.29	0.31	0.30	3.61	ppb
Sodium	23-2	203.76	205.52	205.58	204.95	0.50	ppb
Strontium	86-1	1744.15	1826.32	1804.87	1791.78	2.38	ppb
Strontium	88-1	1805.53	1888.35	1845.09	1846.32	2.24	ppb
Sulfur	34-1	1020.62	1099.87	1101.28	1073.92	4.30	ppb
Terbium	159-1				110		%
Terbium	159-2				105		%
Thallium	203-1	0.38	0.40	0.40	0.39	2.23	ppb
Thallium	205-1	0.39	0.40	0.41	0.40	2.30	ppb
Tin	118-1	1.63	1.61	1.63	1.62	0.82	ppb
Titanium	47-1	205.29	208.54	206.82	206.88	0.79	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5266-19	Instrumnet Name :	P7
Client Sample ID :	ME28Y9D	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 16:53:59	DataFile Name :	038SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.07	1.10	1.10	1.09	1.51	ppb
Vanadium	51-2	37.53	37.74	37.85	37.71	0.43	ppb
Yttrium	89-1				109		%
Yttrium	89-2				102		%
Zinc	66-2	205.46	202.50	204.51	204.15	0.74	ppb
Zirconium	90-1	3.25	3.41	3.39	3.35	2.51	ppb
Zirconium	91-1	3.29	3.41	3.36	3.35	1.76	ppb

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On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5266-04LX5	Instrumnet Name :	P7
Client Sample ID :	ME28Y9L	Dilution Factor :	5
Date & Time Acquired :	2024-12-27 16:57:12	DataFile Name :	039SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2294.01	2301.46	2268.75	2288.07	0.75	ppb
Antimony	121-1	0.18	0.17	0.17	0.17	4.31	ppb
Arsenic	75-2	3.15	3.41	3.13	3.23	4.79	ppb
Barium	135-1	36.92	37.29	36.86	37.02	0.62	ppb
Barium	137-1	37.61	38.12	37.62	37.78	0.77	ppb
Beryllium	9-1	0.17	0.18	0.24	0.20	21.76	ppb
Bismuth	209-1				108		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.29	0.32	0.23	0.28	16.52	ppb
Cadmium	106-1	0.58	-0.06	0.74	0.42	99.70	ppb
Cadmium	111-1	0.29	0.26	0.26	0.27	5.29	ppb
Calcium	43-1	15553.07	15363.75	15560.82	15492.55	0.72	ppb
Calcium	44-1	15122.82	15010.21	15119.89	15084.31	0.43	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	9.05	9.02	8.98	9.02	0.39	ppb
Cobalt	59-2	3.82	3.93	3.74	3.83	2.50	ppb
Copper	63-2	9.21	9.24	9.02	9.16	1.31	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				104		%
Indium	115-1				105		%
Indium	115-2				100		%
Iron	56-2	9006.33	8979.40	8839.60	8941.77	1.00	ppb
Iron	57-2	8980.96	8985.57	8935.84	8967.46	0.31	ppb
Iron	54-2	9004.53	9068.51	8932.75	9001.93	0.75	ppb
Krypton	83-1						cps

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5266-04LX5	Instrumnet Name :	P7
Client Sample ID :	ME28Y9L	Dilution Factor :	5
Date & Time Acquired :	2024-12-27 16:57:12	DataFile Name :	039SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	16.56	17.05	16.81	16.81	1.46	ppb
Lead	207-1	15.46	15.83	15.38	15.56	1.55	ppb
Lead	208-1	15.83	16.21	15.90	15.98	1.26	ppb
Lithium	6-1				103		%
Magnesium	24-2	6863.77	6998.45	6923.39	6928.54	0.97	ppb
Manganese	55-2	332.55	336.32	326.09	331.65	1.56	ppb
Molybdenum	94-1	1.89	1.78	1.81	1.83	3.01	ppb
Molybdenum	95-1	0.67	0.74	0.72	0.71	4.68	ppb
Molybdenum	96-1	0.92	0.89	0.90	0.91	1.71	ppb
Molybdenum	97-1	0.74	0.72	0.75	0.73	2.07	ppb
Molybdenum	98-1	0.71	0.69	0.71	0.70	1.42	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	11.49	11.38	11.15	11.34	1.54	ppb
Phosphorus	31-2	181.03	188.59	194.05	187.89	3.48	ppb
Potassium	39-2	429.41	433.16	425.08	429.22	0.94	ppb
Rhodium	103-1				104		%
Rhodium	103-2				103		%
Scandium	45-1				101		%
Scandium	45-2				99		%
Selenium	82-1	0.07	0.18	0.07	0.11	60.75	ppb
Selenium	77-2	1.20	2.00	1.09	1.43	34.61	ppb
Selenium	78-2	-1.36	-0.22	-0.75	-0.77		ppb
Silicon	28-1	193.84	192.95	198.90	195.23	1.64	ppb
Silver	107-1	0.07	0.07	0.07	0.07	4.53	ppb
Silver	109-1	0.07	0.07	0.06	0.07	3.74	ppb
Sodium	23-2	61.21	59.85	60.43	60.49	1.13	ppb
Strontium	86-1	380.95	387.99	379.04	382.66	1.23	ppb
Strontium	88-1	382.24	387.01	384.61	384.62	0.62	ppb
Sulfur	34-1	304.24	250.53	307.64	287.47	11.14	ppb
Terbium	159-1				108		%
Terbium	159-2				104		%
Thallium	203-1	0.09	0.09	0.08	0.09	3.97	ppb
Thallium	205-1	0.09	0.09	0.09	0.09	2.40	ppb
Tin	118-1	0.36	0.39	0.36	0.37	4.25	ppb
Titanium	47-1	43.60	43.16	44.36	43.71	1.38	ppb

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On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5266-04LX5	Instrumnet Name :	P7
Client Sample ID :	ME28Y9L	Dilution Factor :	5
Date & Time Acquired :	2024-12-27 16:57:12	DataFile Name :	039SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.22	0.23	0.23	0.23	1.12	ppb
Vanadium	51-2	7.92	7.85	7.89	7.89	0.51	ppb
Yttrium	89-1				106		%
Yttrium	89-2				101		%
Zinc	66-2	43.85	43.27	43.45	43.52	0.69	ppb
Zirconium	90-1	0.68	0.68	0.67	0.68	1.00	ppb
Zirconium	91-1	0.70	0.71	0.70	0.70	1.28	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5266-20	Instrumnet Name :	P7
Client Sample ID :	ME28Y9S	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:00:25	DataFile Name :	040SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	11717.31	11692.67	11580.96	11663.65	0.62	ppb
Antimony	121-1	0.76	0.78	0.78	0.77	0.95	ppb
Arsenic	75-2	225.58	228.96	225.67	226.74	0.85	ppb
Barium	135-1	602.75	601.95	598.64	601.11	0.36	ppb
Barium	137-1	601.86	592.84	593.66	596.12	0.84	ppb
Beryllium	9-1	10.70	10.71	10.78	10.73	0.41	ppb
Bismuth	209-1				110		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	94.53	96.26	98.63	96.48	2.13	ppb
Cadmium	106-1	96.84	95.44	96.58	96.29	0.77	ppb
Cadmium	111-1	98.97	100.07	100.65	99.90	0.86	ppb
Calcium	43-1	71578.67	71736.76	72993.73	72103.05	1.08	ppb
Calcium	44-1	71163.14	71590.71	71356.98	71370.28	0.30	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	83.72	84.30	83.74	83.92	0.40	ppb
Cobalt	59-2	118.80	118.94	120.22	119.32	0.66	ppb
Copper	63-2	90.37	91.63	91.63	91.21	0.80	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				110		%
Holmium	165-2				105		%
Indium	115-1				105		%
Indium	115-2				99		%
Iron	56-2	42518.09	42434.07	42421.09	42457.75	0.12	ppb
Iron	57-2	41987.59	42789.31	42239.18	42338.69	0.97	ppb
Iron	54-2	42997.84	42598.06	42386.47	42660.79	0.73	ppb
Krypton	83-1						cps

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On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5266-20	Instrumnet Name :	P7
Client Sample ID :	ME28Y9S	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:00:25	DataFile Name :	040SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	253.55	261.76	261.86	259.06	1.84	ppb
Lead	207-1	241.36	240.81	246.52	242.90	1.30	ppb
Lead	208-1	246.66	248.74	251.12	248.84	0.90	ppb
Lithium	6-1				108		%
Magnesium	24-2	32854.86	32759.58	32661.92	32758.79	0.29	ppb
Manganese	55-2	1660.42	1664.43	1678.97	1667.94	0.59	ppb
Molybdenum	94-1	10.27	10.23	10.51	10.34	1.47	ppb
Molybdenum	95-1	5.27	5.39	5.36	5.34	1.12	ppb
Molybdenum	96-1	6.15	6.17	6.05	6.13	1.09	ppb
Molybdenum	97-1	5.34	5.43	5.35	5.37	0.89	ppb
Molybdenum	98-1	5.30	5.37	5.30	5.32	0.74	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	157.28	156.42	155.72	156.47	0.50	ppb
Phosphorus	31-2	924.11	951.34	921.54	932.33	1.77	ppb
Potassium	39-2	1964.01	1980.09	1983.17	1975.76	0.52	ppb
Rhodium	103-1				102		%
Rhodium	103-2				102		%
Scandium	45-1				102		%
Scandium	45-2				98		%
Selenium	82-1	223.23	227.34	225.90	225.49	0.93	ppb
Selenium	77-2	233.13	225.02	232.61	230.25	1.97	ppb
Selenium	78-2	236.00	230.81	234.42	233.75	1.14	ppb
Silicon	28-1	911.74	895.62	910.62	905.99	0.99	ppb
Silver	107-1	10.47	10.39	10.63	10.50	1.15	ppb
Silver	109-1	10.52	10.48	10.44	10.48	0.35	ppb
Sodium	23-2	193.06	196.39	196.97	195.47	1.08	ppb
Strontium	86-1	1759.42	1794.04	1782.99	1778.82	0.99	ppb
Strontium	88-1	1848.40	1870.12	1819.33	1845.95	1.38	ppb
Sulfur	34-1	933.95	998.87	1075.85	1002.89	7.08	ppb
Terbium	159-1				110		%
Terbium	159-2				105		%
Thallium	203-1	185.26	185.25	188.51	186.34	1.01	ppb
Thallium	205-1	186.36	186.60	189.49	187.49	0.93	ppb
Tin	118-1	1.61	1.57	1.59	1.59	1.08	ppb
Titanium	47-1	205.09	203.13	207.96	205.39	1.18	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5266-20	Instrumnet Name :	P7
Client Sample ID :	ME28Y9S	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:00:25	DataFile Name :	040SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.08	1.08	1.10	1.09	0.57	ppb
Vanadium	51-2	137.89	138.49	137.91	138.10	0.24	ppb
Yttrium	89-1				110		%
Yttrium	89-2				103		%
Zinc	66-2	304.19	301.77	304.64	303.53	0.51	ppb
Zirconium	90-1	3.21	3.30	3.27	3.26	1.51	ppb
Zirconium	91-1	3.33	3.38	3.31	3.34	1.06	ppb

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On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5266-17	Instrumnet Name :	P7
Client Sample ID :	ME2902	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:03:32	DataFile Name :	041SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	13151.06	12898.01	13056.52	13035.20	0.98	ppb
Antimony	121-1	0.63	0.63	0.64	0.63	0.74	ppb
Arsenic	75-2	15.64	15.47	15.22	15.44	1.37	ppb
Barium	135-1	150.90	153.57	151.66	152.04	0.90	ppb
Barium	137-1	153.20	153.82	154.24	153.75	0.34	ppb
Beryllium	9-1	1.06	1.03	1.09	1.06	2.83	ppb
Bismuth	209-1				110		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.25	1.07	1.34	1.22	11.11	ppb
Cadmium	106-1	1.62	1.59	0.69	1.30	40.41	ppb
Cadmium	111-1	0.91	0.99	0.95	0.95	4.36	ppb
Calcium	43-1	46156.77	46476.51	46843.25	46492.18	0.74	ppb
Calcium	44-1	46222.41	45923.76	46497.60	46214.59	0.62	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	86.36	85.68	86.52	86.19	0.52	ppb
Cobalt	59-2	17.78	17.58	17.93	17.77	1.00	ppb
Copper	63-2	39.64	39.41	39.84	39.63	0.55	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				110		%
Holmium	165-2				105		%
Indium	115-1				105		%
Indium	115-2				100		%
Iron	56-2	69611.73	69324.47	68914.03	69283.41	0.51	ppb
Iron	57-2	69277.58	68148.23	69314.86	68913.56	0.96	ppb
Iron	54-2	69951.16	69337.33	69711.77	69666.75	0.44	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5266-17	Instrumnet Name :	P7
Client Sample ID :	ME2902	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:03:32	DataFile Name :	041SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	132.80	134.73	135.36	134.30	0.99	ppb
Lead	207-1	122.17	123.74	122.92	122.95	0.64	ppb
Lead	208-1	131.00	131.23	131.56	131.26	0.22	ppb
Lithium	6-1				108		%
Magnesium	24-2	18973.08	18782.23	18947.32	18900.88	0.55	ppb
Manganese	55-2	2447.08	2461.91	2436.01	2448.33	0.53	ppb
Molybdenum	94-1	7.86	7.82	7.67	7.78	1.29	ppb
Molybdenum	95-1	5.46	5.43	5.35	5.41	1.04	ppb
Molybdenum	96-1	6.25	6.19	6.19	6.21	0.56	ppb
Molybdenum	97-1	5.49	5.43	5.37	5.43	1.07	ppb
Molybdenum	98-1	5.57	5.54	5.47	5.52	0.92	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	50.81	49.87	50.71	50.46	1.02	ppb
Phosphorus	31-2	828.63	820.89	818.87	822.80	0.63	ppb
Potassium	39-2	1694.78	1677.86	1700.30	1690.98	0.69	ppb
Rhodium	103-1				103		%
Rhodium	103-2				102		%
Scandium	45-1				102		%
Scandium	45-2				99		%
Selenium	82-1	1.16	1.07	1.34	1.19	11.78	ppb
Selenium	77-2	6.46	4.63	6.45	5.85	18.00	ppb
Selenium	78-2	1.37	0.60	0.49	0.82	58.88	ppb
Silicon	28-1	757.69	755.50	761.63	758.27	0.41	ppb
Silver	107-1	0.36	0.35	0.33	0.35	5.08	ppb
Silver	109-1	0.37	0.34	0.33	0.35	5.63	ppb
Sodium	23-2	147.16	148.37	149.06	148.20	0.65	ppb
Strontium	86-1	1398.55	1401.89	1388.64	1396.36	0.49	ppb
Strontium	88-1	1444.09	1432.38	1409.18	1428.55	1.24	ppb
Sulfur	34-1	466.61	504.69	454.67	475.32	5.50	ppb
Terbium	159-1				110		%
Terbium	159-2				105		%
Thallium	203-1	0.42	0.43	0.45	0.43	3.05	ppb
Thallium	205-1	0.43	0.44	0.44	0.44	1.25	ppb
Tin	118-1	2.36	2.48	2.44	2.43	2.63	ppb
Titanium	47-1	187.71	187.25	188.19	187.72	0.25	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5266-17	Instrumnet Name :	P7
Client Sample ID :	ME2902	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:03:32	DataFile Name :	041SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.23	1.24	1.23	1.24	0.36	ppb
Vanadium	51-2	58.89	58.06	58.85	58.60	0.80	ppb
Yttrium	89-1				110		%
Yttrium	89-2				104		%
Zinc	66-2	247.50	246.70	249.60	247.93	0.61	ppb
Zirconium	90-1	1.79	1.82	1.80	1.80	0.92	ppb
Zirconium	91-1	1.81	1.86	1.86	1.85	1.61	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5266-18	Instrumnet Name :	P7
Client Sample ID :	ME2903	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:06:43	DataFile Name :	042SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	7826.24	7782.52	7721.64	7776.80	0.68	ppb
Antimony	121-1	8.62	9.44	9.62	9.22	5.77	ppb
Arsenic	75-2	18.32	17.66	17.73	17.90	2.02	ppb
Barium	135-1	161.00	178.08	178.60	172.56	5.80	ppb
Barium	137-1	164.34	179.85	179.67	174.62	5.10	ppb
Beryllium	9-1	1.20	1.16	1.17	1.17	1.82	ppb
Bismuth	209-1				114		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	6.08	6.76	7.11	6.65	7.83	ppb
Cadmium	106-1	7.08	7.12	7.15	7.12	0.52	ppb
Cadmium	111-1	5.03	5.42	5.44	5.30	4.31	ppb
Calcium	43-1	73566.13	83392.87	82298.07	79752.36	6.75	ppb
Calcium	44-1	73257.05	83169.05	82477.36	79634.49	6.95	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1197.12	1192.89	1193.71	1194.57	0.19	ppb
Cobalt	59-2	16.81	16.71	16.77	16.76	0.30	ppb
Copper	63-2	96.93	97.93	97.23	97.36	0.53	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				114		%
Holmium	165-2				104		%
Indium	115-1				107		%
Indium	115-2				98		%
Iron	56-2	179651.37	180123.75	179886.82	179887.31	0.13	ppb
Iron	57-2	178409.07	180395.92	176881.69	178562.22	0.99	ppb
Iron	54-2	181382.60	180889.87	180383.14	180885.20	0.28	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5266-18	Instrumnet Name :	P7
Client Sample ID :	ME2903	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:06:43	DataFile Name :	042SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	767.62	863.94	856.57	829.38	6.46	ppb
Lead	207-1	730.02	805.96	816.30	784.09	6.01	ppb
Lead	208-1	746.26	826.89	829.26	800.80	5.90	ppb
Lithium	6-1				109		%
Magnesium	24-2	15406.07	15553.21	15438.02	15465.77	0.50	ppb
Manganese	55-2	9425.63	9432.48	9366.36	9408.15	0.39	ppb
Molybdenum	94-1	21.38	23.73	24.19	23.10	6.52	ppb
Molybdenum	95-1	20.25	22.59	23.04	21.96	6.83	ppb
Molybdenum	96-1	21.56	23.79	24.07	23.14	5.95	ppb
Molybdenum	97-1	20.35	22.98	22.73	22.02	6.59	ppb
Molybdenum	98-1	20.42	22.70	22.97	22.03	6.36	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	430.62	434.60	433.74	432.99	0.48	ppb
Phosphorus	31-2	1266.91	1295.09	1263.43	1275.14	1.36	ppb
Potassium	39-2	1499.23	1502.84	1495.67	1499.25	0.24	ppb
Rhodium	103-1				105		%
Rhodium	103-2				99		%
Scandium	45-1				103		%
Scandium	45-2				94		%
Selenium	82-1	1.46	1.57	1.58	1.54	4.34	ppb
Selenium	77-2	3.43	3.14	6.02	4.19	37.86	ppb
Selenium	78-2	2.37	0.01	-0.25	0.71	203.42	ppb
Silicon	28-1	719.81	822.43	831.89	791.38	7.85	ppb
Silver	107-1	2.73	3.07	3.08	2.96	6.75	ppb
Silver	109-1	2.75	2.99	3.03	2.93	5.21	ppb
Sodium	23-2	327.10	325.57	329.87	327.51	0.66	ppb
Strontium	86-1	2852.13	3154.61	3218.79	3075.18	6.37	ppb
Strontium	88-1	2960.77	3269.30	3275.51	3168.52	5.68	ppb
Sulfur	34-1	951.44	1449.20	1499.93	1300.19	23.31	ppb
Terbium	159-1				113		%
Terbium	159-2				103		%
Thallium	203-1	1.16	1.25	1.32	1.24	6.39	ppb
Thallium	205-1	1.14	1.28	1.28	1.23	6.47	ppb
Tin	118-1	9.07	10.22	10.28	9.86	6.88	ppb
Titanium	47-1	356.07	404.25	404.77	388.36	7.20	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5266-18	Instrumnet Name :	P7
Client Sample ID :	ME2903	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:06:43	DataFile Name :	042SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.74	0.82	0.83	0.80	6.06	ppb
Vanadium	51-2	70.52	70.61	70.58	70.57	0.06	ppb
Yttrium	89-1				110		%
Yttrium	89-2				99		%
Zinc	66-2	2216.96	2218.03	2267.80	2234.27	1.30	ppb
Zirconium	90-1	2.60	2.94	2.97	2.84	7.30	ppb
Zirconium	91-1	2.69	2.88	3.00	2.86	5.36	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5256-01ARE2	Instrumnet Name :	P7
Client Sample ID :	MJNL92A	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:09:51	DataFile Name :	043SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	43325.03	44395.29	44421.90	44047.41	1.42	ppb
Antimony	121-1	359.09	380.21	376.37	371.89	3.02	ppb
Arsenic	75-2	1993.75	2022.12	1979.60	1998.49	1.08	ppb
Barium	135-1	903.37	961.95	951.66	938.99	3.33	ppb
Barium	137-1	904.32	963.18	953.24	940.24	3.35	ppb
Beryllium	9-1	1.19	1.07	1.05	1.10	6.68	ppb
Bismuth	209-1				136		%
Bismuth	209-2				124		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	15.73	16.07	15.34	15.71	2.32	ppb
Cadmium	106-1	16.15	16.93	17.33	16.80	3.56	ppb
Cadmium	111-1	11.07	12.16	11.66	11.63	4.68	ppb
Calcium	43-1	30000.32	31350.93	30996.61	30782.62	2.27	ppb
Calcium	44-1	29508.46	31010.22	30740.71	30419.80	2.63	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	153.61	154.43	154.68	154.24	0.36	ppb
Cobalt	59-2	167.50	171.99	170.26	169.92	1.33	ppb
Copper	63-2	26266.48	26815.68	26839.26	26640.47	1.22	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				129		%
Holmium	165-2				118		%
Indium	115-1				130		%
Indium	115-2				117		%
Iron	56-2	175227.19	177001.30	175934.97	176054.48	0.51	ppb
Iron	57-2	173507.69	175762.76	176480.63	175250.36	0.89	ppb
Iron	54-2	174360.88	176877.93	175726.05	175654.95	0.72	ppb
Krypton	83-1						cps

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On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5256-01ARE2	Instrumnet Name :	P7
Client Sample ID :	MJNL92A	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:09:51	DataFile Name :	043SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2279.88	2446.96	2431.51	2386.12	3.87	ppb
Lead	207-1	2255.25	2405.15	2394.90	2351.77	3.56	ppb
Lead	208-1	2268.05	2408.30	2398.79	2358.38	3.32	ppb
Lithium	6-1				129		%
Magnesium	24-2	27585.65	28128.64	28062.48	27925.59	1.06	ppb
Manganese	55-2	1497.50	1519.36	1500.78	1505.88	0.78	ppb
Molybdenum	94-1	73.23	77.11	76.63	75.66	2.80	ppb
Molybdenum	95-1	45.22	47.53	46.66	46.47	2.51	ppb
Molybdenum	96-1	48.99	51.78	51.41	50.73	2.99	ppb
Molybdenum	97-1	45.60	48.28	47.53	47.14	2.93	ppb
Molybdenum	98-1	45.47	47.93	47.07	46.82	2.67	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	135.76	138.41	137.74	137.30	1.01	ppb
Phosphorus	31-2	3860.94	3938.74	3902.54	3900.74	1.00	ppb
Potassium	39-2	9983.14	10236.61	10161.15	10126.96	1.29	ppb
Rhodium	103-1				119		%
Rhodium	103-2				113		%
Scandium	45-1				123		%
Scandium	45-2				112		%
Selenium	82-1	10.27	10.96	11.34	10.86	5.00	ppb
Selenium	77-2	22.72	24.48	23.82	23.68	3.75	ppb
Selenium	78-2	10.97	10.37	11.14	10.83	3.76	ppb
Silicon	28-1	5071.94	5331.48	5328.73	5244.05	2.84	ppb
Silver	107-1	45.93	48.01	47.45	47.13	2.29	ppb
Silver	109-1	45.57	47.80	47.27	46.88	2.48	ppb
Sodium	23-2	64549.81	66081.85	65320.75	65317.47	1.17	ppb
Strontium	86-1	7622.60	7995.36	7993.96	7870.64	2.73	ppb
Strontium	88-1	7578.35	7964.88	7878.01	7807.08	2.60	ppb
Sulfur	34-1	70822.03	73691.15	72556.66	72356.61	2.00	ppb
Terbium	159-1				128		%
Terbium	159-2				118		%
Thallium	203-1	3.22	3.35	3.41	3.33	2.89	ppb
Thallium	205-1	3.22	3.43	3.39	3.35	3.27	ppb
Tin	118-1	225.88	238.52	238.68	234.36	3.13	ppb
Titanium	47-1	2110.96	2268.79	2212.50	2197.42	3.64	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5256-01ARE2	Instrumnet Name :	P7
Client Sample ID :	MJNL92A	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:09:51	DataFile Name :	043SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	5.55	5.90	5.97	5.80	3.91	ppb
Vanadium	51-2	171.47	171.84	172.40	171.90	0.27	ppb
Yttrium	89-1				134		%
Yttrium	89-2				120		%
Zinc	66-2	8217.92	8237.13	8317.84	8257.63	0.64	ppb
Zirconium	90-1	19.68	20.98	20.81	20.49	3.44	ppb
Zirconium	91-1	20.08	21.72	21.35	21.05	4.07	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5250-01	Instrumnet Name :	P7
Client Sample ID :	MJNBZ1	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:12:49	DataFile Name :	044SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	27281.03	27038.38	27271.79	27197.07	0.51	ppb
Antimony	121-1	0.16	0.17	0.17	0.17	2.54	ppb
Arsenic	75-2	8.84	9.30	9.57	9.24	3.97	ppb
Barium	135-1	220.41	222.24	218.87	220.51	0.77	ppb
Barium	137-1	220.98	223.21	221.00	221.73	0.58	ppb
Beryllium	9-1	1.15	1.00	1.02	1.06	7.62	ppb
Bismuth	209-1				109		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	4.25	3.66	3.86	3.92	7.64	ppb
Cadmium	106-1	6.90	8.05	7.28	7.41	7.96	ppb
Cadmium	111-1	0.30	0.38	0.33	0.34	13.25	ppb
Calcium	43-1	18077.18	18501.04	18493.59	18357.27	1.32	ppb
Calcium	44-1	17753.92	18225.88	17930.62	17970.14	1.33	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	39.41	39.52	39.61	39.51	0.26	ppb
Cobalt	59-2	33.96	33.72	34.05	33.91	0.49	ppb
Copper	63-2	81.77	81.78	81.77	81.78	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				111		%
Holmium	165-2				105		%
Indium	115-1				104		%
Indium	115-2				98		%
Iron	56-2	67342.19	66981.18	67284.19	67202.52	0.29	ppb
Iron	57-2	66337.33	66110.87	66853.67	66433.96	0.57	ppb
Iron	54-2	67695.47	67327.69	67621.22	67548.13	0.29	ppb
Krypton	83-1						cps

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5250-01	Instrumnet Name :	P7
Client Sample ID :	MJNBZ1	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:12:49	DataFile Name :	044SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	18.33	18.48	18.23	18.35	0.67	ppb
Lead	207-1	17.39	17.37	17.38	17.38	0.07	ppb
Lead	208-1	17.72	17.83	17.72	17.75	0.35	ppb
Lithium	6-1				104		%
Magnesium	24-2	15941.00	15974.22	15978.16	15964.46	0.13	ppb
Manganese	55-2	927.85	935.04	916.95	926.61	0.98	ppb
Molybdenum	94-1	82.26	85.18	83.54	83.66	1.75	ppb
Molybdenum	95-1	0.73	0.77	0.73	0.75	2.86	ppb
Molybdenum	96-1	9.94	10.09	10.15	10.06	1.05	ppb
Molybdenum	97-1	0.76	0.77	0.78	0.77	1.77	ppb
Molybdenum	98-1	0.74	0.72	0.72	0.73	1.44	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	53.07	52.80	53.25	53.04	0.43	ppb
Phosphorus	31-2	1502.53	1491.78	1508.46	1500.93	0.56	ppb
Potassium	39-2	1628.56	1631.11	1644.50	1634.72	0.52	ppb
Rhodium	103-1				102		%
Rhodium	103-2				101		%
Scandium	45-1				104		%
Scandium	45-2				100		%
Selenium	82-1	0.72	0.56	0.87	0.72	21.89	ppb
Selenium	77-2	9.74	9.59	9.73	9.69	0.83	ppb
Selenium	78-2	1.41	2.74	1.57	1.91	38.18	ppb
Silicon	28-1	555.07	563.03	565.33	561.14	0.96	ppb
Silver	107-1	0.17	0.16	0.16	0.16	2.17	ppb
Silver	109-1	0.13	0.13	0.13	0.13	4.14	ppb
Sodium	23-2	790.75	785.39	791.09	789.08	0.41	ppb
Strontium	86-1	2767.72	2795.19	2793.24	2785.38	0.55	ppb
Strontium	88-1	2853.52	2880.67	2832.61	2855.60	0.84	ppb
Sulfur	34-1	-1062.86	-883.72	-875.58	-940.72		ppb
Terbium	159-1				109		%
Terbium	159-2				104		%
Thallium	203-1	0.26	0.27	0.26	0.26	1.15	ppb
Thallium	205-1	0.27	0.27	0.26	0.27	3.31	ppb
Tin	118-1	1.72	1.72	1.72	1.72	0.17	ppb
Titanium	47-1	3002.96	3005.33	3021.36	3009.88	0.33	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5250-01	Instrumnet Name :	P7
Client Sample ID :	MJNBZ1	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:12:49	DataFile Name :	044SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.57	1.58	1.59	1.58	0.68	ppb
Vanadium	51-2	164.98	163.53	164.85	164.45	0.49	ppb
Yttrium	89-1				112		%
Yttrium	89-2				106		%
Zinc	66-2	136.71	136.41	137.43	136.85	0.38	ppb
Zirconium	90-1	45.06	46.49	45.72	45.76	1.57	ppb
Zirconium	91-1	45.49	46.93	46.45	46.29	1.58	ppb

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On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5250-02	Instrumnet Name :	P7
Client Sample ID :	MJNBZ3	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:16:03	DataFile Name :	045SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	59989.49	59528.49	59171.70	59563.23	0.69	ppb
Antimony	121-1	0.10	0.10	0.10	0.10	0.26	ppb
Arsenic	75-2	6.82	7.39	6.78	7.00	4.90	ppb
Barium	135-1	208.76	212.67	214.75	212.06	1.43	ppb
Barium	137-1	212.14	214.80	217.38	214.78	1.22	ppb
Beryllium	9-1	1.26	1.22	1.20	1.23	2.69	ppb
Bismuth	209-1				107		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	4.49	4.83	5.36	4.89	8.90	ppb
Cadmium	106-1	8.87	9.54	9.45	9.29	3.93	ppb
Cadmium	111-1	0.45	0.45	0.42	0.44	3.84	ppb
Calcium	43-1	14731.44	14575.50	14762.00	14689.65	0.68	ppb
Calcium	44-1	14234.54	14140.38	14255.11	14210.01	0.43	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	54.94	54.74	54.39	54.69	0.51	ppb
Cobalt	59-2	35.32	35.08	35.04	35.15	0.43	ppb
Copper	63-2	102.90	102.77	101.49	102.39	0.76	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				104		%
Indium	115-1				103		%
Indium	115-2				97		%
Iron	56-2	73081.66	72763.50	71659.11	72501.43	1.03	ppb
Iron	57-2	72394.73	71195.33	70838.96	71476.34	1.14	ppb
Iron	54-2	73149.28	72094.13	71823.66	72355.69	0.97	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5250-02	Instrumnet Name :	P7
Client Sample ID :	MJNBZ3	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:16:03	DataFile Name :	045SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	26.26	26.12	26.60	26.33	0.94	ppb
Lead	207-1	24.95	24.72	25.23	24.97	1.02	ppb
Lead	208-1	25.36	25.16	25.65	25.39	0.98	ppb
Lithium	6-1				103		%
Magnesium	24-2	23029.47	23206.56	22824.53	23020.19	0.83	ppb
Manganese	55-2	1121.79	1102.96	1111.49	1112.08	0.85	ppb
Molybdenum	94-1	110.77	108.81	111.74	110.44	1.35	ppb
Molybdenum	95-1	0.53	0.54	0.54	0.54	1.34	ppb
Molybdenum	96-1	12.51	12.69	12.64	12.61	0.73	ppb
Molybdenum	97-1	0.56	0.56	0.52	0.55	4.25	ppb
Molybdenum	98-1	0.52	0.54	0.54	0.54	1.89	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	55.92	55.78	54.93	55.55	0.97	ppb
Phosphorus	31-2	1669.88	1648.90	1627.33	1648.70	1.29	ppb
Potassium	39-2	2082.87	2059.68	2026.71	2056.42	1.37	ppb
Rhodium	103-1				100		%
Rhodium	103-2				98		%
Scandium	45-1				103		%
Scandium	45-2				99		%
Selenium	82-1	0.72	0.48	0.65	0.62	19.94	ppb
Selenium	77-2	11.72	9.18	12.35	11.08	15.12	ppb
Selenium	78-2	1.50	2.72	1.25	1.83	43.23	ppb
Silicon	28-1	867.19	856.89	868.40	864.16	0.73	ppb
Silver	107-1	0.13	0.13	0.12	0.12	4.02	ppb
Silver	109-1	0.08	0.08	0.08	0.08	1.93	ppb
Sodium	23-2	760.37	760.09	756.82	759.09	0.26	ppb
Strontium	86-1	3041.69	3024.18	3070.32	3045.40	0.76	ppb
Strontium	88-1	3100.30	3112.15	3117.53	3109.99	0.28	ppb
Sulfur	34-1	-976.79	-1060.92	-1018.34	-1018.68		ppb
Terbium	159-1				108		%
Terbium	159-2				104		%
Thallium	203-1	0.18	0.16	0.16	0.17	4.66	ppb
Thallium	205-1	0.16	0.17	0.17	0.17	3.75	ppb
Tin	118-1	1.28	1.22	1.22	1.24	2.88	ppb
Titanium	47-1	2391.94	2383.15	2406.80	2393.96	0.50	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5250-02	Instrumnet Name :	P7
Client Sample ID :	MJNBZ3	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:16:03	DataFile Name :	045SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.29	1.27	1.30	1.28	1.15	ppb
Vanadium	51-2	153.90	153.00	151.36	152.75	0.84	ppb
Yttrium	89-1				110		%
Yttrium	89-2				103		%
Zinc	66-2	252.33	252.30	248.50	251.04	0.88	ppb
Zirconium	90-1	62.36	62.78	60.96	62.03	1.53	ppb
Zirconium	91-1	61.21	60.41	61.58	61.07	0.98	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5256-01A	Instrumnet Name :	P7
Client Sample ID :	MJNL92A	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:20:18	DataFile Name :	046SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9309.96	9495.08	9254.72	9353.25	1.35	ppb
Antimony	121-1	74.61	75.47	74.78	74.95	0.61	ppb
Arsenic	75-2	400.06	396.66	404.52	400.41	0.98	ppb
Barium	135-1	186.32	190.54	188.33	188.40	1.12	ppb
Barium	137-1	188.31	191.49	189.12	189.64	0.87	ppb
Beryllium	9-1	0.22	0.27	0.27	0.25	12.37	ppb
Bismuth	209-1				112		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	3.27	3.55	3.77	3.53	7.09	ppb
Cadmium	106-1	2.06	1.63	1.59	1.76	14.74	ppb
Cadmium	111-1	2.39	2.45	2.38	2.41	1.57	ppb
Calcium	43-1	6657.15	6624.39	6678.15	6653.23	0.41	ppb
Calcium	44-1	6574.85	6598.94	6479.45	6551.08	0.96	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	32.59	32.58	32.94	32.70	0.63	ppb
Cobalt	59-2	34.57	34.75	34.75	34.69	0.31	ppb
Copper	63-2	5592.74	5544.40	5579.72	5572.29	0.45	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				109		%
Holmium	165-2				105		%
Indium	115-1				106		%
Indium	115-2				101		%
Iron	56-2	37647.57	37910.19	37973.63	37843.80	0.46	ppb
Iron	57-2	36936.65	37578.29	37292.08	37269.01	0.86	ppb
Iron	54-2	37488.20	37916.20	38043.69	37816.03	0.77	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5256-01A	Instrumnet Name :	P7
Client Sample ID :	MJNL92A	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:20:18	DataFile Name :	046SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	533.17	539.33	533.70	535.40	0.64	ppb
Lead	207-1	525.63	530.92	524.00	526.85	0.69	ppb
Lead	208-1	523.37	532.87	524.81	527.02	0.97	ppb
Lithium	6-1				105		%
Magnesium	24-2	5872.47	5893.02	5875.26	5880.25	0.19	ppb
Manganese	55-2	780.80	780.94	789.11	783.62	0.61	ppb
Molybdenum	94-1	16.62	16.93	16.73	16.76	0.94	ppb
Molybdenum	95-1	9.95	10.24	10.13	10.11	1.47	ppb
Molybdenum	96-1	11.12	11.29	11.23	11.21	0.79	ppb
Molybdenum	97-1	10.22	10.47	10.40	10.36	1.21	ppb
Molybdenum	98-1	10.22	10.23	10.29	10.24	0.37	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	29.49	28.96	28.80	29.08	1.24	ppb
Phosphorus	31-2	761.20	781.70	778.48	773.79	1.42	ppb
Potassium	39-2	2144.18	2175.89	2131.57	2150.55	1.06	ppb
Rhodium	103-1				103		%
Rhodium	103-2				101		%
Scandium	45-1				102		%
Scandium	45-2				97		%
Selenium	82-1	2.31	2.35	2.22	2.30	2.96	ppb
Selenium	77-2	5.62	4.57	5.55	5.25	11.27	ppb
Selenium	78-2	0.36	2.12	2.47	1.65	68.66	ppb
Silicon	28-1	1142.68	1146.49	1140.29	1143.16	0.27	ppb
Silver	107-1	9.90	10.16	10.12	10.06	1.43	ppb
Silver	109-1	9.90	9.91	9.94	9.91	0.21	ppb
Sodium	23-2	13572.99	13455.93	13532.72	13520.55	0.44	ppb
Strontium	86-1	1662.60	1678.25	1678.18	1673.01	0.54	ppb
Strontium	88-1	1720.57	1751.91	1739.35	1737.28	0.91	ppb
Sulfur	34-1	13416.07	13727.60	13327.24	13490.30	1.56	ppb
Terbium	159-1				109		%
Terbium	159-2				105		%
Thallium	203-1	0.69	0.68	0.69	0.69	1.07	ppb
Thallium	205-1	0.67	0.70	0.70	0.69	1.93	ppb
Tin	118-1	46.85	47.83	47.37	47.35	1.04	ppb
Titanium	47-1	448.71	453.16	451.59	451.15	0.50	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5256-01A	Instrumnet Name :	P7
Client Sample ID :	MJNL92A	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:20:18	DataFile Name :	046SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.25	1.28	1.27	1.27	0.97	ppb
Vanadium	51-2	36.28	36.36	36.70	36.45	0.62	ppb
Yttrium	89-1				107		%
Yttrium	89-2				102		%
Zinc	66-2	1699.69	1696.23	1704.50	1700.14	0.24	ppb
Zirconium	90-1	4.56	4.55	4.52	4.54	0.47	ppb
Zirconium	91-1	4.60	4.80	4.66	4.68	2.15	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5250-03	Instrumnet Name :	P7
Client Sample ID :	MJNBZ4	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:23:23	DataFile Name :	047SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	38525.88	38884.10	39117.77	38842.58	0.77	ppb
Antimony	121-1	0.13	0.12	0.14	0.13	4.59	ppb
Arsenic	75-2	6.02	6.18	6.39	6.19	2.99	ppb
Barium	135-1	220.02	224.34	228.97	224.44	1.99	ppb
Barium	137-1	222.69	227.72	231.78	227.39	2.00	ppb
Beryllium	9-1	1.02	0.95	0.94	0.97	4.55	ppb
Bismuth	209-1				107		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	4.56	4.82	4.50	4.63	3.64	ppb
Cadmium	106-1	7.08	8.40	7.90	7.79	8.58	ppb
Cadmium	111-1	0.66	0.73	0.71	0.70	4.92	ppb
Calcium	43-1	11416.82	11692.03	11794.82	11634.56	1.68	ppb
Calcium	44-1	11289.82	11384.00	11418.34	11364.05	0.59	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	35.36	35.53	35.93	35.61	0.82	ppb
Cobalt	59-2	24.96	25.21	25.09	25.09	0.50	ppb
Copper	63-2	58.14	59.13	58.70	58.66	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				108		%
Holmium	165-2				103		%
Indium	115-1				102		%
Indium	115-2				97		%
Iron	56-2	51184.18	51590.86	51481.11	51418.72	0.41	ppb
Iron	57-2	50660.04	50828.07	50675.02	50721.04	0.18	ppb
Iron	54-2	50920.71	51257.62	51791.86	51323.40	0.86	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5250-03	Instrumnet Name :	P7
Client Sample ID :	MJNBZ4	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:23:23	DataFile Name :	047SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	45.95	46.32	46.75	46.34	0.86	ppb
Lead	207-1	43.33	44.07	44.30	43.90	1.16	ppb
Lead	208-1	44.05	44.87	45.15	44.69	1.28	ppb
Lithium	6-1				102		%
Magnesium	24-2	13856.87	13855.41	13865.60	13859.29	0.04	ppb
Manganese	55-2	861.34	859.39	853.41	858.05	0.48	ppb
Molybdenum	94-1	95.21	95.87	98.02	96.37	1.53	ppb
Molybdenum	95-1	0.49	0.52	0.50	0.50	3.08	ppb
Molybdenum	96-1	10.76	11.02	11.20	10.99	1.99	ppb
Molybdenum	97-1	0.54	0.55	0.50	0.53	5.23	ppb
Molybdenum	98-1	0.52	0.52	0.54	0.53	1.51	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	37.87	37.99	38.00	37.95	0.18	ppb
Phosphorus	31-2	1219.48	1245.29	1203.86	1222.88	1.71	ppb
Potassium	39-2	1682.94	1696.71	1693.02	1690.89	0.42	ppb
Rhodium	103-1				100		%
Rhodium	103-2				98		%
Scandium	45-1				101		%
Scandium	45-2				98		%
Selenium	82-1	0.49	0.71	0.54	0.58	20.45	ppb
Selenium	77-2	4.01	5.14	4.84	4.66	12.67	ppb
Selenium	78-2	-0.01	0.68	2.88	1.18	127.66	ppb
Silicon	28-1	657.70	666.58	676.68	666.98	1.42	ppb
Silver	107-1	0.11	0.10	0.12	0.11	5.96	ppb
Silver	109-1	0.07	0.07	0.07	0.07	5.94	ppb
Sodium	23-2	484.09	489.70	488.66	487.48	0.61	ppb
Strontium	86-1	3180.04	3202.04	3249.51	3210.53	1.11	ppb
Strontium	88-1	3330.76	3294.06	3323.74	3316.19	0.59	ppb
Sulfur	34-1	-1092.40	-1036.08	-1035.05	-1054.51		ppb
Terbium	159-1				107		%
Terbium	159-2				103		%
Thallium	203-1	0.15	0.16	0.15	0.15	3.38	ppb
Thallium	205-1	0.14	0.15	0.15	0.15	4.53	ppb
Tin	118-1	1.55	1.66	1.68	1.63	4.22	ppb
Titanium	47-1	1418.37	1426.63	1449.06	1431.35	1.11	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5250-03	Instrumnet Name :	P7
Client Sample ID :	MJNBZ4	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:23:23	DataFile Name :	047SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.02	1.05	1.05	1.04	1.60	ppb
Vanadium	51-2	120.97	121.84	121.59	121.47	0.37	ppb
Yttrium	89-1				106		%
Yttrium	89-2				100		%
Zinc	66-2	333.72	337.25	339.67	336.88	0.89	ppb
Zirconium	90-1	52.26	52.63	53.53	52.81	1.24	ppb
Zirconium	91-1	52.97	53.46	54.20	53.54	1.16	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5250-04	Instrumnet Name :	P7
Client Sample ID :	MJNBZ7	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:26:35	DataFile Name :	048SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	34097.42	34228.17	34362.85	34229.48	0.39	ppb
Antimony	121-1	0.11	0.11	0.12	0.11	7.66	ppb
Arsenic	75-2	8.04	8.28	8.68	8.34	3.88	ppb
Barium	135-1	271.28	268.08	267.41	268.93	0.77	ppb
Barium	137-1	274.22	272.43	269.37	272.01	0.90	ppb
Beryllium	9-1	1.07	1.02	1.04	1.04	2.40	ppb
Bismuth	209-1				107		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	3.91	3.57	4.08	3.85	6.65	ppb
Cadmium	106-1	6.02	6.54	7.60	6.72	11.98	ppb
Cadmium	111-1	0.28	0.32	0.36	0.32	11.51	ppb
Calcium	43-1	16697.93	16409.90	16389.25	16499.03	1.05	ppb
Calcium	44-1	16052.68	16134.30	15885.06	16024.01	0.79	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	46.17	46.01	46.32	46.17	0.34	ppb
Cobalt	59-2	32.85	32.47	32.75	32.69	0.60	ppb
Copper	63-2	96.94	96.49	96.76	96.73	0.23	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				102		%
Indium	115-1				102		%
Indium	115-2				97		%
Iron	56-2	58455.68	58252.81	58246.99	58318.49	0.20	ppb
Iron	57-2	57332.33	57333.96	57839.16	57501.82	0.51	ppb
Iron	54-2	58446.93	57972.78	58137.29	58185.67	0.41	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5250-04	Instrumnet Name :	P7
Client Sample ID :	MJNBZ7	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:26:35	DataFile Name :	048SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	37.55	37.65	37.01	37.40	0.92	ppb
Lead	207-1	35.35	36.06	35.11	35.51	1.39	ppb
Lead	208-1	36.03	36.49	35.94	36.15	0.83	ppb
Lithium	6-1				101		%
Magnesium	24-2	14100.17	14030.22	14050.73	14060.37	0.26	ppb
Manganese	55-2	1571.63	1563.57	1559.52	1564.91	0.39	ppb
Molybdenum	94-1	81.77	82.43	83.00	82.40	0.75	ppb
Molybdenum	95-1	0.48	0.49	0.52	0.49	3.91	ppb
Molybdenum	96-1	9.47	9.50	9.54	9.50	0.37	ppb
Molybdenum	97-1	0.50	0.52	0.50	0.50	2.14	ppb
Molybdenum	98-1	0.47	0.48	0.46	0.47	2.25	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	40.48	40.34	40.68	40.50	0.43	ppb
Phosphorus	31-2	1850.62	1771.71	1797.54	1806.62	2.23	ppb
Potassium	39-2	2623.91	2616.63	2631.45	2624.00	0.28	ppb
Rhodium	103-1				100		%
Rhodium	103-2				98		%
Scandium	45-1				102		%
Scandium	45-2				98		%
Selenium	82-1	0.37	0.66	0.70	0.58	31.69	ppb
Selenium	77-2	4.44	7.64	4.65	5.58	32.05	ppb
Selenium	78-2	-0.28	0.49	0.69	0.30	170.35	ppb
Silicon	28-1	593.65	590.66	584.51	589.60	0.79	ppb
Silver	107-1	0.14	0.14	0.13	0.14	3.87	ppb
Silver	109-1	0.11	0.11	0.11	0.11	1.32	ppb
Sodium	23-2	394.60	388.75	394.67	392.67	0.87	ppb
Strontium	86-1	3361.55	3356.55	3400.03	3372.71	0.71	ppb
Strontium	88-1	3442.14	3425.08	3451.32	3439.51	0.39	ppb
Sulfur	34-1	-786.63	-844.92	-820.37	-817.31		ppb
Terbium	159-1				107		%
Terbium	159-2				102		%
Thallium	203-1	0.23	0.24	0.24	0.24	2.23	ppb
Thallium	205-1	0.24	0.24	0.24	0.24	1.70	ppb
Tin	118-1	1.38	1.32	1.30	1.33	2.91	ppb
Titanium	47-1	873.98	876.31	887.20	879.17	0.80	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5250-04	Instrumnet Name :	P7
Client Sample ID :	MJNBZ7	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:26:35	DataFile Name :	048SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.11	1.14	1.11	1.12	1.81	ppb
Vanadium	51-2	154.13	152.98	154.65	153.92	0.56	ppb
Yttrium	89-1				106		%
Yttrium	89-2				100		%
Zinc	66-2	143.64	144.69	145.89	144.74	0.78	ppb
Zirconium	90-1	44.96	45.51	45.57	45.35	0.74	ppb
Zirconium	91-1	45.40	45.32	45.74	45.49	0.48	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5250-05	Instrumnet Name :	P7
Client Sample ID :	MJNBZ8	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:29:50	DataFile Name :	049SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	21131.17	21389.92	21187.89	21236.33	0.64	ppb
Antimony	121-1	0.13	0.14	0.15	0.14	9.69	ppb
Arsenic	75-2	6.34	6.77	6.16	6.43	4.86	ppb
Barium	135-1	187.92	200.81	209.30	199.35	5.40	ppb
Barium	137-1	190.76	202.06	212.64	201.82	5.42	ppb
Beryllium	9-1	0.73	0.78	0.84	0.78	7.20	ppb
Bismuth	209-1				106		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	3.62	3.86	4.25	3.91	8.16	ppb
Cadmium	106-1	7.19	7.00	7.16	7.12	1.44	ppb
Cadmium	111-1	0.55	0.57	0.61	0.58	4.73	ppb
Calcium	43-1	10122.93	10757.60	11296.79	10725.77	5.48	ppb
Calcium	44-1	9968.99	10468.72	11086.66	10508.13	5.33	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	29.81	30.05	29.55	29.80	0.84	ppb
Cobalt	59-2	24.01	24.17	23.83	24.00	0.70	ppb
Copper	63-2	46.23	46.27	46.17	46.23	0.11	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				102		%
Indium	115-1				102		%
Indium	115-2				98		%
Iron	56-2	57251.07	56904.46	57169.12	57108.22	0.32	ppb
Iron	57-2	56101.41	56538.81	56556.74	56398.98	0.46	ppb
Iron	54-2	57457.09	56929.04	56751.22	57045.78	0.64	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5250-05	Instrumnet Name :	P7
Client Sample ID :	MJNBZ8	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:29:50	DataFile Name :	049SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	35.74	38.29	39.82	37.95	5.43	ppb
Lead	207-1	34.36	36.83	38.55	36.58	5.77	ppb
Lead	208-1	34.73	37.27	39.13	37.04	5.97	ppb
Lithium	6-1				102		%
Magnesium	24-2	11083.70	11018.85	11156.70	11086.42	0.62	ppb
Manganese	55-2	695.44	698.90	703.03	699.12	0.54	ppb
Molybdenum	94-1	71.46	75.19	78.92	75.19	4.96	ppb
Molybdenum	95-1	0.67	0.72	0.73	0.71	4.38	ppb
Molybdenum	96-1	8.46	9.03	9.33	8.94	4.92	ppb
Molybdenum	97-1	0.66	0.70	0.74	0.70	5.29	ppb
Molybdenum	98-1	0.63	0.69	0.75	0.69	8.65	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	36.57	36.58	36.36	36.50	0.34	ppb
Phosphorus	31-2	1799.17	1783.23	1757.42	1779.94	1.18	ppb
Potassium	39-2	1547.13	1559.20	1555.83	1554.06	0.40	ppb
Rhodium	103-1				100		%
Rhodium	103-2				99		%
Scandium	45-1				101		%
Scandium	45-2				97		%
Selenium	82-1	0.53	0.92	0.21	0.56	64.01	ppb
Selenium	77-2	8.46	7.34	8.01	7.94	7.10	ppb
Selenium	78-2	0.04	2.30	0.37	0.90	135.46	ppb
Silicon	28-1	462.12	483.43	518.23	487.93	5.80	ppb
Silver	107-1	0.10	0.09	0.10	0.10	5.53	ppb
Silver	109-1	0.06	0.07	0.08	0.07	7.52	ppb
Sodium	23-2	651.07	654.96	647.10	651.05	0.60	ppb
Strontium	86-1	2037.03	2156.96	2266.40	2153.46	5.33	ppb
Strontium	88-1	2103.56	2262.87	2308.52	2224.98	4.84	ppb
Sulfur	34-1	-919.44	-765.29	-527.90	-737.54		ppb
Terbium	159-1				106		%
Terbium	159-2				103		%
Thallium	203-1	0.17	0.20	0.18	0.18	7.69	ppb
Thallium	205-1	0.17	0.18	0.20	0.19	7.83	ppb
Tin	118-1	1.17	1.25	1.31	1.24	5.69	ppb
Titanium	47-1	3534.96	3714.34	3947.35	3732.22	5.54	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5250-05	Instrumnet Name :	P7
Client Sample ID :	MJNBZ8	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:29:50	DataFile Name :	049SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.26	1.33	1.42	1.34	5.84	ppb
Vanadium	51-2	158.20	158.32	157.09	157.87	0.43	ppb
Yttrium	89-1				107		%
Yttrium	89-2				102		%
Zinc	66-2	248.12	248.81	247.94	248.29	0.18	ppb
Zirconium	90-1	38.74	41.51	42.95	41.07	5.21	ppb
Zirconium	91-1	38.92	41.76	43.51	41.40	5.59	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5250-06	Instrumnet Name :	P7
Client Sample ID :	MJNBZ2	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:33:02	DataFile Name :	050SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	18534.84	18353.92	18202.65	18363.81	0.91	ppb
Antimony	121-1	0.13	0.13	0.12	0.13	5.50	ppb
Arsenic	75-2	9.87	10.05	9.47	9.80	3.03	ppb
Barium	135-1	141.79	145.23	142.73	143.25	1.24	ppb
Barium	137-1	143.52	146.84	145.14	145.17	1.14	ppb
Beryllium	9-1	0.71	0.75	0.71	0.72	2.99	ppb
Bismuth	209-1				105		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	3.27	3.62	2.97	3.29	9.89	ppb
Cadmium	106-1	6.91	7.16	6.31	6.79	6.47	ppb
Cadmium	111-1	0.29	0.34	0.33	0.32	7.94	ppb
Calcium	43-1	13271.83	13333.52	13486.89	13364.08	0.83	ppb
Calcium	44-1	13029.88	13155.37	13279.73	13154.99	0.95	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	25.38	25.34	25.19	25.30	0.40	ppb
Cobalt	59-2	24.11	24.13	23.53	23.92	1.42	ppb
Copper	63-2	60.63	60.44	59.58	60.22	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				107		%
Holmium	165-2				104		%
Indium	115-1				101		%
Indium	115-2				98		%
Iron	56-2	54445.31	54147.00	54140.53	54244.28	0.32	ppb
Iron	57-2	53654.81	53408.50	53294.95	53452.75	0.34	ppb
Iron	54-2	54550.24	54794.68	53670.39	54338.44	1.09	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5250-06	Instrumnet Name :	P7
Client Sample ID :	MJNBZ2	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:33:02	DataFile Name :	050SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	39.43	40.31	39.55	39.76	1.20	ppb
Lead	207-1	37.80	38.36	38.19	38.12	0.76	ppb
Lead	208-1	38.63	39.24	38.52	38.80	0.99	ppb
Lithium	6-1				102		%
Magnesium	24-2	12830.75	12625.76	12386.40	12614.30	1.76	ppb
Manganese	55-2	794.24	788.59	778.04	786.96	1.04	ppb
Molybdenum	94-1	68.17	68.43	68.29	68.30	0.19	ppb
Molybdenum	95-1	0.78	0.76	0.74	0.76	2.78	ppb
Molybdenum	96-1	8.26	8.20	8.38	8.28	1.14	ppb
Molybdenum	97-1	0.77	0.74	0.73	0.75	2.89	ppb
Molybdenum	98-1	0.76	0.71	0.74	0.74	3.06	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	46.03	45.92	45.43	45.79	0.70	ppb
Phosphorus	31-2	2746.64	2724.29	2694.62	2721.85	0.96	ppb
Potassium	39-2	1071.40	1063.27	1060.26	1064.98	0.54	ppb
Rhodium	103-1				100		%
Rhodium	103-2				99		%
Scandium	45-1				102		%
Scandium	45-2				99		%
Selenium	82-1	0.97	0.32	0.04	0.44	107.21	ppb
Selenium	77-2	9.76	9.95	12.59	10.77	14.70	ppb
Selenium	78-2	2.09	2.71	1.21	2.00	37.80	ppb
Silicon	28-1	460.54	459.44	465.36	461.78	0.68	ppb
Silver	107-1	0.09	0.09	0.09	0.09	1.17	ppb
Silver	109-1	0.06	0.06	0.06	0.06	3.61	ppb
Sodium	23-2	715.09	709.33	698.33	707.58	1.20	ppb
Strontium	86-1	1876.79	1866.48	1867.70	1870.32	0.30	ppb
Strontium	88-1	1924.12	1941.31	1945.35	1936.93	0.58	ppb
Sulfur	34-1	-937.04	-889.74	-792.09	-872.95		ppb
Terbium	159-1				106		%
Terbium	159-2				104		%
Thallium	203-1	0.16	0.17	0.16	0.16	3.65	ppb
Thallium	205-1	0.16	0.17	0.16	0.16	4.21	ppb
Tin	118-1	1.83	1.95	2.01	1.93	4.76	ppb
Titanium	47-1	2993.33	2984.12	3023.51	3000.32	0.69	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5250-06	Instrumnet Name :	P7
Client Sample ID :	MJNBZ2	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:33:02	DataFile Name :	050SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.03	1.02	1.02	1.02	0.33	ppb
Vanadium	51-2	135.80	135.65	133.68	135.04	0.88	ppb
Yttrium	89-1				110		%
Yttrium	89-2				106		%
Zinc	66-2	118.98	117.22	118.32	118.17	0.75	ppb
Zirconium	90-1	37.27	37.15	37.56	37.33	0.55	ppb
Zirconium	91-1	37.61	37.37	37.58	37.52	0.34	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5250-07	Instrumnet Name :	P7
Client Sample ID :	MJNBZ2D	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:36:16	DataFile Name :	051SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	18277.68	18419.89	18267.72	18321.76	0.46	ppb
Antimony	121-1	0.11	0.12	0.12	0.12	3.65	ppb
Arsenic	75-2	8.83	9.50	9.41	9.25	3.96	ppb
Barium	135-1	134.71	143.80	143.16	140.55	3.61	ppb
Barium	137-1	135.27	144.62	143.69	141.19	3.65	ppb
Beryllium	9-1	0.66	0.63	0.73	0.67	8.15	ppb
Bismuth	209-1				108		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	3.48	3.21	3.49	3.39	4.80	ppb
Cadmium	106-1	6.96	6.83	6.89	6.89	0.98	ppb
Cadmium	111-1	0.25	0.33	0.31	0.30	14.32	ppb
Calcium	43-1	12502.76	13309.44	13348.49	13053.56	3.66	ppb
Calcium	44-1	12226.16	13047.41	12995.22	12756.26	3.60	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	25.54	25.24	25.02	25.27	1.04	ppb
Cobalt	59-2	23.70	23.80	23.69	23.73	0.26	ppb
Copper	63-2	59.71	59.78	60.22	59.90	0.47	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				109		%
Holmium	165-2				103		%
Indium	115-1				104		%
Indium	115-2				99		%
Iron	56-2	53771.71	54109.29	53525.46	53802.15	0.54	ppb
Iron	57-2	52981.46	53435.44	52831.28	53082.73	0.59	ppb
Iron	54-2	54416.55	53950.15	54158.35	54175.02	0.43	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5250-07	Instrumnet Name :	P7
Client Sample ID :	MJNBZ2D	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:36:16	DataFile Name :	051SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	36.80	39.53	39.92	38.75	4.38	ppb
Lead	207-1	35.31	38.22	37.78	37.10	4.23	ppb
Lead	208-1	35.95	38.55	38.49	37.66	3.94	ppb
Lithium	6-1				103		%
Magnesium	24-2	12543.37	12616.53	12613.71	12591.20	0.33	ppb
Manganese	55-2	793.57	794.63	778.59	788.93	1.14	ppb
Molybdenum	94-1	63.87	69.38	68.82	67.36	4.50	ppb
Molybdenum	95-1	0.71	0.75	0.75	0.74	3.28	ppb
Molybdenum	96-1	7.63	8.51	8.38	8.17	5.80	ppb
Molybdenum	97-1	0.73	0.83	0.81	0.79	6.80	ppb
Molybdenum	98-1	0.72	0.77	0.77	0.76	3.65	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	45.35	45.68	45.59	45.54	0.37	ppb
Phosphorus	31-2	2671.74	2678.74	2653.22	2667.90	0.49	ppb
Potassium	39-2	1065.85	1064.88	1054.96	1061.90	0.57	ppb
Rhodium	103-1				103		%
Rhodium	103-2				100		%
Scandium	45-1				105		%
Scandium	45-2				100		%
Selenium	82-1	0.51	0.77	0.73	0.67	20.85	ppb
Selenium	77-2	10.09	12.45	10.48	11.01	11.49	ppb
Selenium	78-2	1.04	3.03	2.88	2.32	47.84	ppb
Silicon	28-1	436.85	463.23	459.69	453.25	3.16	ppb
Silver	107-1	0.08	0.09	0.10	0.09	6.50	ppb
Silver	109-1	0.06	0.06	0.06	0.06	5.36	ppb
Sodium	23-2	711.89	701.58	706.61	706.70	0.73	ppb
Strontium	86-1	1744.61	1888.08	1872.71	1835.13	4.29	ppb
Strontium	88-1	1812.96	1934.90	1903.55	1883.80	3.36	ppb
Sulfur	34-1	-1057.05	-842.92	-830.63	-910.20		ppb
Terbium	159-1				109		%
Terbium	159-2				103		%
Thallium	203-1	0.16	0.17	0.15	0.16	5.36	ppb
Thallium	205-1	0.15	0.17	0.17	0.16	5.78	ppb
Tin	118-1	1.77	2.02	2.05	1.95	7.82	ppb
Titanium	47-1	2784.46	3004.81	2980.51	2923.26	4.13	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5250-07	Instrumnet Name :	P7
Client Sample ID :	MJNBZ2D	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:36:16	DataFile Name :	051SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.95	1.03	1.01	1.00	4.01	ppb
Vanadium	51-2	134.01	133.31	132.99	133.44	0.39	ppb
Yttrium	89-1				112		%
Yttrium	89-2				106		%
Zinc	66-2	117.13	117.48	115.90	116.84	0.71	ppb
Zirconium	90-1	34.63	37.53	37.32	36.49	4.42	ppb
Zirconium	91-1	34.91	38.01	37.98	36.97	4.82	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5250-06LX5	Instrumnet Name :	P7
Client Sample ID :	MJNBZ2L	Dilution Factor :	5
Date & Time Acquired :	2024-12-27 17:39:29	DataFile Name :	052SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	3606.13	3543.16	3592.75	3580.68	0.93	ppb
Antimony	121-1	0.03	0.03	0.02	0.02	22.03	ppb
Arsenic	75-2	2.04	1.91	1.95	1.97	3.17	ppb
Barium	135-1	28.60	28.90	28.62	28.71	0.58	ppb
Barium	137-1	28.81	29.40	29.02	29.08	1.04	ppb
Beryllium	9-1	0.15	0.14	0.18	0.16	15.77	ppb
Bismuth	209-1				105		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.72	0.81	0.59	0.71	15.33	ppb
Cadmium	106-1	1.46	2.01	0.14	1.20	80.11	ppb
Cadmium	111-1	0.06	0.06	0.05	0.06	14.29	ppb
Calcium	43-1	2735.66	2766.73	2736.83	2746.40	0.64	ppb
Calcium	44-1	2680.51	2688.92	2672.87	2680.77	0.30	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	5.07	4.94	5.06	5.02	1.47	ppb
Cobalt	59-2	4.94	4.93	4.96	4.94	0.26	ppb
Copper	63-2	12.44	12.42	12.32	12.40	0.52	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				102		%
Indium	115-1				102		%
Indium	115-2				99		%
Iron	56-2	11055.57	10938.08	11161.14	11051.60	1.01	ppb
Iron	57-2	11087.36	10899.10	11035.52	11007.33	0.88	ppb
Iron	54-2	11194.31	11153.09	11222.02	11189.81	0.31	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5250-06LX5	Instrumnet Name :	P7
Client Sample ID :	MJNBZ2L	Dilution Factor :	5
Date & Time Acquired :	2024-12-27 17:39:29	DataFile Name :	052SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	7.88	7.94	7.81	7.88	0.81	ppb
Lead	207-1	7.50	7.48	7.54	7.51	0.47	ppb
Lead	208-1	7.64	7.61	7.66	7.64	0.32	ppb
Lithium	6-1				101		%
Magnesium	24-2	2587.15	2553.25	2642.86	2594.42	1.74	ppb
Manganese	55-2	157.54	155.08	157.85	156.82	0.97	ppb
Molybdenum	94-1	14.20	14.32	14.40	14.31	0.70	ppb
Molybdenum	95-1	0.15	0.15	0.15	0.15	0.76	ppb
Molybdenum	96-1	1.68	1.75	1.70	1.71	2.06	ppb
Molybdenum	97-1	0.14	0.13	0.16	0.14	13.53	ppb
Molybdenum	98-1	0.14	0.14	0.14	0.14	0.31	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	9.71	9.33	9.18	9.41	2.89	ppb
Phosphorus	31-2	560.57	536.91	521.39	539.62	3.66	ppb
Potassium	39-2	224.75	216.69	221.56	221.00	1.84	ppb
Rhodium	103-1				101		%
Rhodium	103-2				101		%
Scandium	45-1				100		%
Scandium	45-2				98		%
Selenium	82-1	0.48	0.24	0.36	0.36	32.86	ppb
Selenium	77-2	1.68	2.14	2.00	1.94	12.23	ppb
Selenium	78-2	1.22	0.26	-0.24	0.41	180.27	ppb
Silicon	28-1	98.18	98.44	101.68	99.43	1.96	ppb
Silver	107-1	0.02	0.02	0.02	0.02	6.91	ppb
Silver	109-1	0.01	0.02	0.01	0.01	18.62	ppb
Sodium	23-2	148.75	148.32	148.01	148.36	0.25	ppb
Strontium	86-1	391.48	396.00	394.36	393.95	0.58	ppb
Strontium	88-1	393.84	395.49	394.31	394.55	0.22	ppb
Sulfur	34-1	-925.67	-879.10	-869.36	-891.38		ppb
Terbium	159-1				104		%
Terbium	159-2				103		%
Thallium	203-1	0.03	0.05	0.04	0.04	17.56	ppb
Thallium	205-1	0.04	0.04	0.04	0.04	5.59	ppb
Tin	118-1	0.43	0.43	0.45	0.44	2.34	ppb
Titanium	47-1	585.73	593.46	596.71	591.96	0.95	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5250-06LX5	Instrumnet Name :	P7
Client Sample ID :	MJNBZ2L	Dilution Factor :	5
Date & Time Acquired :	2024-12-27 17:39:29	DataFile Name :	052SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.20	0.20	0.20	0.20	0.46	ppb
Vanadium	51-2	27.31	27.20	27.62	27.38	0.80	ppb
Yttrium	89-1				104		%
Yttrium	89-2				101		%
Zinc	66-2	24.95	24.17	24.54	24.55	1.59	ppb
Zirconium	90-1	7.74	7.82	7.81	7.79	0.58	ppb
Zirconium	91-1	7.92	7.72	7.90	7.85	1.39	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5250-08	Instrumnet Name :	P7
Client Sample ID :	MJNBZ2S	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:42:46	DataFile Name :	053SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	18369.67	18513.98	18298.56	18394.07	0.60	ppb
Antimony	121-1	0.14	0.12	0.12	0.13	8.27	ppb
Arsenic	75-2	216.31	215.46	211.89	214.55	1.09	ppb
Barium	135-1	581.91	557.11	568.80	569.27	2.18	ppb
Barium	137-1	577.60	555.06	563.97	565.54	2.01	ppb
Beryllium	9-1	11.09	10.81	11.03	10.98	1.33	ppb
Bismuth	209-1				105		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	99.90	98.80	100.15	99.62	0.72	ppb
Cadmium	106-1	104.30	97.89	100.24	100.81	3.22	ppb
Cadmium	111-1	103.08	98.63	99.43	100.38	2.36	ppb
Calcium	43-1	13554.07	13043.22	13061.44	13219.58	2.19	ppb
Calcium	44-1	13202.19	12762.81	12728.75	12897.92	2.05	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	64.57	64.53	64.21	64.44	0.30	ppb
Cobalt	59-2	121.37	121.28	120.70	121.12	0.30	ppb
Copper	63-2	106.88	106.35	105.65	106.29	0.58	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				104		%
Indium	115-1				102		%
Indium	115-2				99		%
Iron	56-2	53664.25	53712.94	53451.48	53609.56	0.26	ppb
Iron	57-2	53442.76	52981.04	52184.26	52869.36	1.20	ppb
Iron	54-2	54155.91	53903.39	53187.58	53748.96	0.93	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5250-08	Instrumnet Name :	P7
Client Sample ID :	MJNBZ2S	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:42:46	DataFile Name :	053SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	219.28	216.14	221.91	219.11	1.32	ppb
Lead	207-1	193.83	192.79	195.05	193.89	0.58	ppb
Lead	208-1	208.46	206.04	206.52	207.00	0.62	ppb
Lithium	6-1				102		%
Magnesium	24-2	12439.95	12469.42	12413.15	12440.84	0.23	ppb
Manganese	55-2	876.95	879.67	870.36	875.66	0.55	ppb
Molybdenum	94-1	70.50	69.29	69.35	69.71	0.98	ppb
Molybdenum	95-1	2.69	2.62	2.54	2.61	2.91	ppb
Molybdenum	96-1	10.26	10.02	10.00	10.09	1.43	ppb
Molybdenum	97-1	2.73	2.64	2.60	2.66	2.56	ppb
Molybdenum	98-1	2.68	2.61	2.59	2.63	1.71	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	145.65	145.29	142.37	144.44	1.25	ppb
Phosphorus	31-2	2677.89	2696.40	2676.80	2683.70	0.41	ppb
Potassium	39-2	1058.23	1064.25	1048.33	1056.94	0.76	ppb
Rhodium	103-1				101		%
Rhodium	103-2				100		%
Scandium	45-1				103		%
Scandium	45-2				100		%
Selenium	82-1	218.78	216.50	217.56	217.61	0.52	ppb
Selenium	77-2	238.34	231.95	224.76	231.68	2.93	ppb
Selenium	78-2	223.96	224.63	222.87	223.82	0.40	ppb
Silicon	28-1	461.31	444.84	439.30	448.48	2.55	ppb
Silver	107-1	10.46	10.17	10.39	10.34	1.48	ppb
Silver	109-1	10.34	10.06	10.20	10.20	1.41	ppb
Sodium	23-2	700.61	704.31	694.79	699.90	0.69	ppb
Strontium	86-1	1901.51	1837.61	1857.60	1865.57	1.75	ppb
Strontium	88-1	1949.77	1881.92	1895.75	1909.15	1.88	ppb
Sulfur	34-1	-727.91	-880.71	-898.89	-835.84		ppb
Terbium	159-1				106		%
Terbium	159-2				103		%
Thallium	203-1	190.73	189.22	188.01	189.32	0.72	ppb
Thallium	205-1	188.85	186.74	189.01	188.20	0.67	ppb
Tin	118-1	1.98	1.88	1.93	1.93	2.62	ppb
Titanium	47-1	3051.60	2908.29	2979.77	2979.88	2.40	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5250-08	Instrumnet Name :	P7
Client Sample ID :	MJNBZ2S	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:42:46	DataFile Name :	053SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.04	1.00	1.00	1.02	2.05	ppb
Vanadium	51-2	231.34	231.54	228.24	230.37	0.80	ppb
Yttrium	89-1				110		%
Yttrium	89-2				106		%
Zinc	66-2	215.57	216.32	214.69	215.53	0.38	ppb
Zirconium	90-1	37.68	36.75	37.37	37.27	1.27	ppb
Zirconium	91-1	38.06	37.27	37.69	37.67	1.06	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	PB165880BL	Instrumnet Name :	P7
Client Sample ID :	PBS880	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:45:51	DataFile Name :	054CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1.18	0.85	0.60	0.88	32.82	ppb
Antimony	121-1	0.00	0.00	0.00	0.00	149.39	ppb
Arsenic	75-2	0.00	-0.01	0.01	0.00		ppb
Barium	135-1	0.12	0.06	0.04	0.07	58.18	ppb
Barium	137-1	0.14	0.08	0.04	0.09	54.43	ppb
Beryllium	9-1	0.01	-0.01	-0.01	0.00		ppb
Bismuth	209-1				105		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.01	0.03	-0.01	0.01	190.19	ppb
Cadmium	106-1	0.29	-0.21	-0.04	0.01	2084.53	ppb
Cadmium	111-1	0.03	0.01	0.01	0.02	67.66	ppb
Calcium	43-1	4.20	1.99	1.61	2.60	53.65	ppb
Calcium	44-1	3.92	2.47	2.09	2.83	34.19	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.12	-0.12	-0.07	-0.10		ppb
Cobalt	59-2	-0.01	-0.01	0.00	0.00		ppb
Copper	63-2	0.04	0.06	0.04	0.05	21.86	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				106		%
Holmium	165-2				102		%
Indium	115-1				103		%
Indium	115-2				100		%
Iron	56-2	2.27	1.76	1.48	1.84	21.94	ppb
Iron	57-2	0.98	2.39	1.51	1.63	43.60	ppb
Iron	54-2	2.12	1.04	1.72	1.63	33.82	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	PB165880BL	Instrumnet Name :	P7
Client Sample ID :	PBS880	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:45:51	DataFile Name :	054CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.09	0.06	0.04	0.06	38.29	ppb
Lead	207-1	0.08	0.05	0.04	0.06	38.08	ppb
Lead	208-1	0.08	0.05	0.04	0.06	32.04	ppb
Lithium	6-1				102		%
Magnesium	24-2	0.02	0.03	-0.09	-0.01		ppb
Manganese	55-2	0.13	0.12	0.12	0.12	2.87	ppb
Molybdenum	94-1	0.07	0.06	0.05	0.06	12.60	ppb
Molybdenum	95-1	-0.03	-0.03	-0.02	-0.03		ppb
Molybdenum	96-1	-0.01	-0.01	-0.01	-0.01		ppb
Molybdenum	97-1	-0.03	-0.02	-0.02	-0.02		ppb
Molybdenum	98-1	-0.02	-0.02	-0.02	-0.02		ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.13	-0.11	-0.09	-0.11		ppb
Phosphorus	31-2	-17.02	-14.86	-16.99	-16.29		ppb
Potassium	39-2	2.14	2.88	3.58	2.86	25.07	ppb
Rhodium	103-1				104		%
Rhodium	103-2				102		%
Scandium	45-1				102		%
Scandium	45-2				98		%
Selenium	82-1	0.36	-0.04	0.18	0.17	121.55	ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-0.19	-0.48	-0.50	-0.39		ppb
Silicon	28-1	-2.02	-1.21	-0.92	-1.38		ppb
Silver	107-1	0.02	0.01	0.01	0.01	20.76	ppb
Silver	109-1	0.02	0.02	0.01	0.02	17.20	ppb
Sodium	23-2	2.97	2.86	3.08	2.97	3.65	ppb
Strontium	86-1	0.38	0.57	0.22	0.39	45.94	ppb
Strontium	88-1	0.56	0.37	0.30	0.41	31.68	ppb
Sulfur	34-1	-1117.70	-961.10	-967.61	-1015.47		ppb
Terbium	159-1				105		%
Terbium	159-2				102		%
Thallium	203-1	0.07	0.06	0.04	0.05	29.66	ppb
Thallium	205-1	0.07	0.05	0.04	0.06	28.55	ppb
Tin	118-1	0.04	0.03	0.04	0.04	9.13	ppb
Titanium	47-1	0.75	0.37	0.21	0.45	62.18	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	PB165880BL	Instrumnet Name :	P7
Client Sample ID :	PBS880	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:45:51	DataFile Name :	054CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	120.10	ppb
Vanadium	51-2	0.01	0.01	0.01	0.01	12.86	ppb
Yttrium	89-1				104		%
Yttrium	89-2				100		%
Zinc	66-2	0.19	0.14	0.22	0.18	22.69	ppb
Zirconium	90-1	0.04	0.04	0.03	0.04	16.69	ppb
Zirconium	91-1	0.04	0.05	0.04	0.04	9.97	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	PB165880BS	Instrumnet Name :	P7
Client Sample ID :	LCS880	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:49:11	DataFile Name :	055LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	37.84	41.89	36.06	38.60	7.74	ppb
Antimony	121-1	4.04	4.08	4.01	4.04	0.77	ppb
Arsenic	75-2	2.14	2.46	2.24	2.28	7.04	ppb
Barium	135-1	19.37	19.68	19.64	19.56	0.85	ppb
Barium	137-1	19.55	19.78	19.81	19.71	0.72	ppb
Beryllium	9-1	2.11	2.01	2.05	2.06	2.36	ppb
Bismuth	209-1				105		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.03	2.19	2.31	2.18	6.44	ppb
Cadmium	106-1	1.54	1.25	1.99	1.59	23.47	ppb
Cadmium	111-1	2.11	2.12	2.08	2.10	0.87	ppb
Calcium	43-1	1017.16	1043.00	1036.03	1032.06	1.30	ppb
Calcium	44-1	1023.30	1044.79	1035.24	1034.44	1.04	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3.66	3.66	3.70	3.68	0.69	ppb
Cobalt	59-2	1.93	1.98	2.07	1.99	3.40	ppb
Copper	63-2	4.16	4.29	4.15	4.20	1.85	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				102		%
Indium	115-1				103		%
Indium	115-2				100		%
Iron	56-2	419.21	417.67	419.26	418.71	0.22	ppb
Iron	57-2	422.49	429.48	411.80	421.26	2.11	ppb
Iron	54-2	424.83	427.96	421.31	424.70	0.78	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	PB165880BS	Instrumnet Name :	P7
Client Sample ID :	LCS880	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:49:11	DataFile Name :	055LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1.87	1.91	1.93	1.90	1.68	ppb
Lead	207-1	1.86	1.88	1.93	1.89	1.78	ppb
Lead	208-1	1.87	1.89	1.92	1.89	1.36	ppb
Lithium	6-1				101		%
Magnesium	24-2	928.06	917.94	931.41	925.80	0.76	ppb
Manganese	55-2	2.03	2.16	2.09	2.09	3.28	ppb
Molybdenum	94-1	11.34	11.44	11.38	11.39	0.40	ppb
Molybdenum	95-1	9.47	9.55	9.48	9.50	0.49	ppb
Molybdenum	96-1	9.65	9.74	9.64	9.68	0.57	ppb
Molybdenum	97-1	9.43	9.69	9.66	9.60	1.48	ppb
Molybdenum	98-1	9.40	9.64	9.67	9.57	1.52	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.90	2.14	1.83	1.96	8.13	ppb
Phosphorus	31-2	35.65	29.47	33.16	32.76	9.50	ppb
Potassium	39-2	1015.75	1004.66	1015.67	1012.02	0.63	ppb
Rhodium	103-1				102		%
Rhodium	103-2				102		%
Scandium	45-1				100		%
Scandium	45-2				99		%
Selenium	82-1	10.40	10.50	10.21	10.37	1.41	ppb
Selenium	77-2	10.04	10.23	9.27	9.85	5.20	ppb
Selenium	78-2	9.46	9.90	10.81	10.06	6.85	ppb
Silicon	28-1	2.98	3.36	3.10	3.15	6.12	ppb
Silver	107-1	2.06	2.12	2.08	2.09	1.38	ppb
Silver	109-1	2.02	2.06	2.11	2.06	2.12	ppb
Sodium	23-2	910.95	907.76	912.44	910.39	0.26	ppb
Strontium	86-1	47.78	48.72	48.52	48.34	1.02	ppb
Strontium	88-1	47.59	48.11	48.90	48.20	1.37	ppb
Sulfur	34-1	-760.98	-697.03	-643.22	-700.41		ppb
Terbium	159-1				104		%
Terbium	159-2				103		%
Thallium	203-1	1.94	1.90	1.95	1.93	1.42	ppb
Thallium	205-1	1.88	1.90	1.90	1.89	0.63	ppb
Tin	118-1	10.22	10.29	10.40	10.31	0.88	ppb
Titanium	47-1	2.43	2.48	2.38	2.43	1.99	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	PB165880BS	Instrumnet Name :	P7
Client Sample ID :	LCS880	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:49:11	DataFile Name :	055LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.72	1.70	1.74	1.72	1.12	ppb
Vanadium	51-2	10.19	9.86	10.01	10.02	1.64	ppb
Yttrium	89-1				104		%
Yttrium	89-2				100		%
Zinc	66-2	10.11	10.13	10.30	10.18	1.03	ppb
Zirconium	90-1	1.87	1.91	1.97	1.92	2.52	ppb
Zirconium	91-1	1.86	1.86	1.97	1.90	3.23	ppb

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	PB165859BL	Instrumnet Name :	P7
Client Sample ID :	PBW859	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:52:30	DataFile Name :	056CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.38	0.31	0.24	0.31	22.52	ppb
Antimony	121-1	0.00	0.00	0.00	0.00		ppb
Arsenic	75-2	-0.01	-0.02	-0.02	-0.02		ppb
Barium	135-1	0.00	0.00	0.01	0.00	118.18	ppb
Barium	137-1	0.00	0.00	0.00	0.00	261.93	ppb
Beryllium	9-1	-0.01	0.01	0.00	0.00	300.35	ppb
Bismuth	209-1				104		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.05	-0.03	-0.03	0.00		ppb
Cadmium	106-1	0.15	-0.54	-0.04	-0.14		ppb
Cadmium	111-1	0.00	-0.01	0.00	0.00		ppb
Calcium	43-1	0.08	1.09	2.38	1.18	97.57	ppb
Calcium	44-1	2.19	1.17	1.42	1.59	33.33	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.13	-0.15	-0.12	-0.14		ppb
Cobalt	59-2	-0.01	-0.01	-0.01	-0.01		ppb
Copper	63-2	0.04	0.05	0.06	0.05	17.37	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				104		%
Holmium	165-2				102		%
Indium	115-1				103		%
Indium	115-2				100		%
Iron	56-2	-0.37	-0.44	-0.42	-0.41		ppb
Iron	57-2	-0.67	-0.07	-0.54	-0.43		ppb
Iron	54-2	0.30	-0.28	-0.14	-0.04		ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	PB165859BL	Instrumnet Name :	P7
Client Sample ID :	PBW859	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:52:30	DataFile Name :	056CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.03	0.02	0.02	0.03	11.86	ppb
Lead	207-1	0.02	0.02	0.03	0.02	36.25	ppb
Lead	208-1	0.02	0.02	0.03	0.02	9.64	ppb
Lithium	6-1				101		%
Magnesium	24-2	-0.21	-0.05	-0.13	-0.13		ppb
Manganese	55-2	0.11	0.09	0.09	0.10	13.44	ppb
Molybdenum	94-1	-0.01	0.00	0.00	0.00		ppb
Molybdenum	95-1	-0.03	-0.03	-0.03	-0.03		ppb
Molybdenum	96-1	-0.02	-0.02	0.00	-0.01		ppb
Molybdenum	97-1	-0.02	-0.02	-0.02	-0.02		ppb
Molybdenum	98-1	-0.02	-0.02	-0.02	-0.02		ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.04	-0.10	-0.11	-0.08		ppb
Phosphorus	31-2	-13.24	-16.22	-19.77	-16.41		ppb
Potassium	39-2	3.01	3.13	3.08	3.07	2.04	ppb
Rhodium	103-1				102		%
Rhodium	103-2				102		%
Scandium	45-1				100		%
Scandium	45-2				99		%
Selenium	82-1	0.66	-0.45	-0.32	-0.04		ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	0.29	0.62	0.09	0.33	80.64	ppb
Silicon	28-1	-0.53	-0.52	-0.46	-0.50		ppb
Silver	107-1	0.01	0.01	0.01	0.01	3.27	ppb
Silver	109-1	0.01	0.01	0.01	0.01	8.33	ppb
Sodium	23-2	2.04	1.48	1.94	1.82	16.47	ppb
Strontium	86-1	0.18	0.07	0.40	0.22	79.26	ppb
Strontium	88-1	0.17	0.11	0.17	0.15	23.07	ppb
Sulfur	34-1	-614.55	-628.52	-528.34	-590.47		ppb
Terbium	159-1				103		%
Terbium	159-2				102		%
Thallium	203-1	0.01	0.02	0.01	0.01	30.84	ppb
Thallium	205-1	0.01	0.02	0.01	0.01	11.67	ppb
Tin	118-1	0.04	0.03	0.04	0.04	15.59	ppb
Titanium	47-1	0.01	-0.01	0.02	0.01	203.76	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	PB165859BL	Instrumnet Name :	P7
Client Sample ID :	PBW859	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:52:30	DataFile Name :	056CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	40.46	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00		ppb
Yttrium	89-1				102		%
Yttrium	89-2				100		%
Zinc	66-2	0.37	0.37	0.35	0.36	3.77	ppb
Zirconium	90-1	0.01	0.00	0.01	0.01	35.48	ppb
Zirconium	91-1	0.02	0.02	0.02	0.02	4.62	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	PB165859BS	Instrumnet Name :	P7
Client Sample ID :	LCS859	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:55:52	DataFile Name :	057LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	38.41	38.16	38.32	38.29	0.33	ppb
Antimony	121-1	3.86	4.13	4.26	4.08	4.94	ppb
Arsenic	75-2	2.39	2.18	2.23	2.26	4.74	ppb
Barium	135-1	18.99	20.03	20.43	19.82	3.74	ppb
Barium	137-1	19.11	20.19	20.71	20.00	4.09	ppb
Beryllium	9-1	2.06	2.16	2.20	2.14	3.48	ppb
Bismuth	209-1				105		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.73	2.20	2.11	2.01	12.22	ppb
Cadmium	106-1	3.52	2.39	1.35	2.42	44.91	ppb
Cadmium	111-1	2.06	2.28	2.30	2.22	5.94	ppb
Calcium	43-1	979.31	1095.12	1096.30	1056.91	6.36	ppb
Calcium	44-1	988.99	1087.97	1090.73	1055.89	5.49	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3.96	3.87	3.90	3.91	1.18	ppb
Cobalt	59-2	2.12	2.11	2.12	2.11	0.21	ppb
Copper	63-2	4.38	4.27	4.32	4.32	1.20	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				106		%
Holmium	165-2				102		%
Indium	115-1				105		%
Indium	115-2				101		%
Iron	56-2	436.60	435.29	438.67	436.85	0.39	ppb
Iron	57-2	432.89	435.46	439.38	435.91	0.75	ppb
Iron	54-2	440.68	445.87	441.95	442.83	0.61	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	PB165859BS	Instrumnet Name :	P7
Client Sample ID :	LCS859	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:55:52	DataFile Name :	057LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1.84	2.06	2.03	1.98	5.96	ppb
Lead	207-1	1.86	1.97	2.01	1.95	3.87	ppb
Lead	208-1	1.84	1.99	2.00	1.94	4.65	ppb
Lithium	6-1				103		%
Magnesium	24-2	972.19	965.25	964.32	967.25	0.44	ppb
Manganese	55-2	2.13	2.17	2.08	2.13	2.03	ppb
Molybdenum	94-1	10.99	11.91	11.99	11.63	4.80	ppb
Molybdenum	95-1	9.25	9.86	10.05	9.72	4.33	ppb
Molybdenum	96-1	9.47	10.26	10.28	10.00	4.59	ppb
Molybdenum	97-1	9.23	9.94	10.23	9.80	5.27	ppb
Molybdenum	98-1	9.27	10.14	10.11	9.84	4.98	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.91	1.96	1.97	1.95	1.76	ppb
Phosphorus	31-2	30.80	35.08	32.28	32.72	6.63	ppb
Potassium	39-2	1058.96	1063.13	1058.78	1060.29	0.23	ppb
Rhodium	103-1				105		%
Rhodium	103-2				102		%
Scandium	45-1				102		%
Scandium	45-2				100		%
Selenium	82-1	10.35	10.29	10.35	10.33	0.33	ppb
Selenium	77-2	10.88	10.58	11.09	10.85	2.33	ppb
Selenium	78-2	10.63	9.02	11.78	10.48	13.26	ppb
Silicon	28-1	2.08	3.90	3.95	3.31	32.19	ppb
Silver	107-1	2.05	2.14	2.25	2.15	4.62	ppb
Silver	109-1	1.98	2.12	2.18	2.09	4.99	ppb
Sodium	23-2	951.94	945.09	953.85	950.29	0.48	ppb
Strontium	86-1	48.97	54.41	51.68	51.68	5.26	ppb
Strontium	88-1	47.50	50.83	50.82	49.72	3.86	ppb
Sulfur	34-1	-660.96	-377.48	-317.32	-451.92		ppb
Terbium	159-1				106		%
Terbium	159-2				102		%
Thallium	203-1	1.82	2.00	2.04	1.96	5.99	ppb
Thallium	205-1	1.81	2.01	2.00	1.94	5.82	ppb
Tin	118-1	10.01	10.56	10.75	10.44	3.65	ppb
Titanium	47-1	2.30	2.33	2.62	2.42	7.26	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	PB165859BS	Instrumnet Name :	P7
Client Sample ID :	LCS859	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:55:52	DataFile Name :	057LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.65	1.79	1.81	1.75	5.00	ppb
Vanadium	51-2	10.31	10.43	10.23	10.33	0.98	ppb
Yttrium	89-1				105		%
Yttrium	89-2				101		%
Zinc	66-2	10.77	10.72	10.61	10.70	0.75	ppb
Zirconium	90-1	1.80	1.99	1.99	1.93	5.72	ppb
Zirconium	91-1	1.82	2.01	2.04	1.95	6.06	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	CCV013	Instrumnet Name :	P7
Client Sample ID :	CCV013	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:01:58	DataFile Name :	059CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	51006.57	51339.89	50859.32	51068.59	0.48	ppb
Antimony	121-1	494.24	505.62	497.78	499.21	1.17	ppb
Arsenic	75-2	500.44	491.18	489.51	493.71	1.19	ppb
Barium	135-1	2499.81	2570.12	2494.39	2521.44	1.68	ppb
Barium	137-1	2535.30	2547.85	2502.18	2528.44	0.93	ppb
Beryllium	9-1	478.71	488.88	487.72	485.10	1.15	ppb
Bismuth	209-1				98		%
Bismuth	209-2				92		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	487.10	498.98	487.99	491.36	1.35	ppb
Cadmium	106-1	492.12	499.69	488.40	493.40	1.17	ppb
Cadmium	111-1	469.74	482.46	474.31	475.50	1.36	ppb
Calcium	43-1	253955.30	255464.20	258819.98	256079.83	0.97	ppb
Calcium	44-1	252535.02	254955.20	255562.80	254351.00	0.63	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	509.13	501.04	505.61	505.26	0.80	ppb
Cobalt	59-2	491.49	490.82	493.96	492.09	0.34	ppb
Copper	63-2	4828.02	4839.05	4844.13	4837.07	0.17	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				99		%
Indium	115-1				91		%
Indium	115-2				87		%
Iron	56-2	129238.90	128764.89	128441.81	128815.20	0.31	ppb
Iron	57-2	129348.07	128257.01	127133.98	128246.35	0.86	ppb
Iron	54-2	129492.08	129154.67	128232.97	128959.90	0.51	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	CCV013	Instrumnet Name :	P7
Client Sample ID :	CCV013	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:01:58	DataFile Name :	059CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2539.02	2550.34	2604.85	2564.74	1.37	ppb
Lead	207-1	2513.80	2561.74	2574.68	2550.07	1.26	ppb
Lead	208-1	2531.12	2564.77	2586.57	2560.82	1.09	ppb
Lithium	6-1				97		%
Magnesium	24-2	250830.80	251548.60	251070.65	251150.02	0.15	ppb
Manganese	55-2	4994.54	4977.88	4972.74	4981.72	0.23	ppb
Molybdenum	94-1	5082.25	5036.82	5038.00	5052.36	0.51	ppb
Molybdenum	95-1	5071.18	5034.54	5054.48	5053.40	0.36	ppb
Molybdenum	96-1	5138.64	5072.14	5135.59	5115.46	0.73	ppb
Molybdenum	97-1	5147.32	5071.48	5087.98	5102.26	0.78	ppb
Molybdenum	98-1	5080.60	5050.79	5084.35	5071.91	0.36	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	472.63	471.93	473.35	472.64	0.15	ppb
Phosphorus	31-2	10077.25	9923.50	10030.79	10010.51	0.79	ppb
Potassium	39-2	124554.95	124253.19	124960.77	124589.64	0.28	ppb
Rhodium	103-1				86		%
Rhodium	103-2				85		%
Scandium	45-1				89		%
Scandium	45-2				85		%
Selenium	82-1	487.34	484.82	485.36	485.84	0.27	ppb
Selenium	77-2	476.52	468.41	488.19	477.71	2.08	ppb
Selenium	78-2	487.56	480.80	483.86	484.07	0.70	ppb
Silicon	28-1	249.89	256.08	252.94	252.97	1.22	ppb
Silver	107-1	485.13	492.50	480.73	486.12	1.22	ppb
Silver	109-1	484.15	489.14	479.80	484.36	0.96	ppb
Sodium	23-2	250553.36	253176.66	253089.68	252273.23	0.59	ppb
Strontium	86-1	12725.79	12838.33	12492.20	12685.44	1.39	ppb
Strontium	88-1	12596.04	12666.87	12716.79	12659.90	0.48	ppb
Sulfur	34-1	10130.03	10223.81	10310.97	10221.60	0.89	ppb
Terbium	159-1				101		%
Terbium	159-2				98		%
Thallium	203-1	518.49	521.30	527.28	522.36	0.86	ppb
Thallium	205-1	510.18	515.35	521.23	515.58	1.07	ppb
Tin	118-1	491.08	504.05	493.77	496.30	1.38	ppb
Titanium	47-1	5017.07	5037.62	4996.83	5017.17	0.41	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	CCV013	Instrumnet Name :	P7
Client Sample ID :	CCV013	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:01:58	DataFile Name :	059CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	515.24	514.66	518.58	516.16	0.41	ppb
Vanadium	51-2	512.70	507.54	509.71	509.98	0.51	ppb
Yttrium	89-1				93		%
Yttrium	89-2				89		%
Zinc	66-2	4785.13	4725.85	4734.97	4748.65	0.67	ppb
Zirconium	90-1	503.81	509.82	503.18	505.60	0.73	ppb
Zirconium	91-1	502.22	511.10	507.77	507.03	0.88	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	CCB013	Instrumnet Name :	P7
Client Sample ID :	CCB013	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:11:22	DataFile Name :	062CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.43	0.68	0.60	0.57	22.42	ppb
Antimony	121-1	0.02	0.03	0.02	0.02	18.01	ppb
Arsenic	75-2	-0.02	-0.01	-0.02	-0.02		ppb
Barium	135-1	0.00	0.00	-0.01	-0.01		ppb
Barium	137-1	0.00	0.00	0.00	0.00	31.39	ppb
Beryllium	9-1	0.02	0.00	0.01	0.01	70.60	ppb
Bismuth	209-1				106		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.02	-0.01	-0.04	-0.01		ppb
Cadmium	106-1	-0.41	-0.66	-1.00	-0.69		ppb
Cadmium	111-1	0.00	-0.01	-0.02	-0.01		ppb
Calcium	43-1	1.23	1.39	-0.12	0.83	99.68	ppb
Calcium	44-1	1.30	1.13	0.79	1.07	24.24	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.01	-0.03	0.03	-0.01		ppb
Cobalt	59-2	0.00	0.00	0.00	0.00		ppb
Copper	63-2	0.08	0.08	0.08	0.08	2.73	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				102		%
Indium	115-1				101		%
Indium	115-2				97		%
Iron	56-2	0.17	0.26	0.28	0.24	24.04	ppb
Iron	57-2	-0.20	-1.01	-0.66	-0.62		ppb
Iron	54-2	0.05	0.26	0.22	0.18	63.37	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	CCB013	Instrumnet Name :	P7
Client Sample ID :	CCB013	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:11:22	DataFile Name :	062CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.02	0.02	0.02	0.02	9.80	ppb
Lead	207-1	0.01	0.01	0.02	0.01	31.28	ppb
Lead	208-1	0.02	0.02	0.02	0.02	13.09	ppb
Lithium	6-1				104		%
Magnesium	24-2	0.17	0.08	-0.02	0.08	122.17	ppb
Manganese	55-2	0.01	0.02	0.01	0.01	59.05	ppb
Molybdenum	94-1	0.02	0.05	0.03	0.03	50.61	ppb
Molybdenum	95-1	0.01	0.00	0.00	0.01	41.16	ppb
Molybdenum	96-1	0.01	0.02	0.02	0.02	13.19	ppb
Molybdenum	97-1	0.02	0.02	0.02	0.02	1.41	ppb
Molybdenum	98-1	0.02	0.02	0.02	0.02	15.02	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.03	-0.02	0.03	-0.01		ppb
Phosphorus	31-2	-14.86	-16.48	-18.26	-16.53		ppb
Potassium	39-2	1.87	0.39	0.12	0.79	118.90	ppb
Rhodium	103-1				99		%
Rhodium	103-2				99		%
Scandium	45-1				95		%
Scandium	45-2				92		%
Selenium	82-1	-0.14	0.07	-0.03	-0.03		ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	0.07	0.20	-0.12	0.05	327.16	ppb
Silicon	28-1	-3.38	-3.00	-3.18	-3.19		ppb
Silver	107-1	0.01	0.01	0.01	0.01	30.35	ppb
Silver	109-1	0.01	0.00	0.00	0.00	20.32	ppb
Sodium	23-2	7.91	8.45	8.43	8.26	3.68	ppb
Strontium	86-1	-0.14	-0.31	0.11	-0.11		ppb
Strontium	88-1	0.04	0.05	0.04	0.04	10.94	ppb
Sulfur	34-1	-52.07	-28.52	-45.44	-42.01		ppb
Terbium	159-1				105		%
Terbium	159-2				102		%
Thallium	203-1	0.02	0.01	0.02	0.02	15.61	ppb
Thallium	205-1	0.02	0.02	0.02	0.02	8.41	ppb
Tin	118-1	0.02	0.01	0.01	0.01	58.80	ppb
Titanium	47-1	0.03	0.02	0.04	0.03	42.96	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	CCB013	Instrumnet Name :	P7
Client Sample ID :	CCB013	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:11:22	DataFile Name :	062CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	87.10	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00		ppb
Yttrium	89-1				100		%
Yttrium	89-2				96		%
Zinc	66-2	0.10	0.16	0.22	0.16	35.32	ppb
Zirconium	90-1	0.00	0.01	0.00	0.00	118.89	ppb
Zirconium	91-1	0.02	0.01	0.01	0.01	57.43	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	PB165867BL	Instrumnet Name :	P7
Client Sample ID :	PBS867	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:14:43	DataFile Name :	063CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.39	0.40	0.38	0.39	2.78	ppb
Antimony	121-1	0.01	0.01	0.02	0.02	34.45	ppb
Arsenic	75-2	0.00	-0.03	-0.01	-0.01		ppb
Barium	135-1	-0.01	0.00	0.00	0.00		ppb
Barium	137-1	0.01	0.00	0.00	0.00	57.74	ppb
Beryllium	9-1	0.01	0.01	0.02	0.01	73.93	ppb
Bismuth	209-1				106		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.00	-0.01	-0.01	-0.01		ppb
Cadmium	106-1	0.38	-0.12	0.21	0.15	164.48	ppb
Cadmium	111-1	0.00	-0.01	0.00	0.00		ppb
Calcium	43-1	3.36	1.89	2.05	2.44	33.07	ppb
Calcium	44-1	0.50	0.94	0.93	0.79	31.48	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.16	-0.17	-0.16	-0.16		ppb
Cobalt	59-2	-0.01	-0.01	0.00	-0.01		ppb
Copper	63-2	0.04	0.03	0.05	0.04	26.28	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				104		%
Holmium	165-2				102		%
Indium	115-1				100		%
Indium	115-2				98		%
Iron	56-2	-0.61	-0.55	-0.51	-0.56		ppb
Iron	57-2	-1.27	-1.59	-0.84	-1.23		ppb
Iron	54-2	-0.82	-0.98	-0.27	-0.69		ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	PB165867BL	Instrumnet Name :	P7
Client Sample ID :	PBS867	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:14:43	DataFile Name :	063CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.03	0.02	0.01	0.02	37.06	ppb
Lead	207-1	0.01	0.02	0.01	0.01	32.80	ppb
Lead	208-1	0.02	0.02	0.02	0.02	4.44	ppb
Lithium	6-1				102		%
Magnesium	24-2	-0.02	-0.48	-0.04	-0.18		ppb
Manganese	55-2	0.09	0.10	0.09	0.10	7.49	ppb
Molybdenum	94-1	0.02	-0.01	0.00	0.00	289.23	ppb
Molybdenum	95-1	-0.01	-0.01	-0.01	-0.01		ppb
Molybdenum	96-1	-0.01	-0.01	-0.01	-0.01		ppb
Molybdenum	97-1	0.00	-0.01	-0.01	0.00		ppb
Molybdenum	98-1	-0.01	-0.01	-0.01	-0.01		ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.10	-0.12	-0.09	-0.11		ppb
Phosphorus	31-2	-12.61	-15.06	-15.02	-14.23		ppb
Potassium	39-2	1.54	-1.71	2.04	0.62	326.81	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				97		%
Scandium	45-2				94		%
Selenium	82-1	0.12	0.12	0.00	0.08	90.48	ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-0.35	-0.46	-1.21	-0.67		ppb
Silicon	28-1	-2.68	-2.56	-2.47	-2.57		ppb
Silver	107-1	0.00	0.00	0.00	0.00	88.32	ppb
Silver	109-1	0.01	0.00	0.00	0.00	50.16	ppb
Sodium	23-2	3.25	3.02	3.06	3.11	3.90	ppb
Strontium	86-1	0.05	-0.07	0.05	0.01	636.51	ppb
Strontium	88-1	0.11	0.11	0.09	0.11	11.32	ppb
Sulfur	34-1	-64.72	7.69	28.41	-9.54		ppb
Terbium	159-1				104		%
Terbium	159-2				101		%
Thallium	203-1	0.01	0.00	0.01	0.01	47.50	ppb
Thallium	205-1	0.01	0.02	0.02	0.02	18.17	ppb
Tin	118-1	0.05	0.02	0.04	0.04	39.81	ppb
Titanium	47-1	0.01	-0.01	0.00	0.00	268.86	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	PB165867BL	Instrumnet Name :	P7
Client Sample ID :	PBS867	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:14:43	DataFile Name :	063CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	171.55	ppb
Vanadium	51-2	-0.01	-0.01	0.00	0.00		ppb
Yttrium	89-1				100		%
Yttrium	89-2				97		%
Zinc	66-2	0.16	0.16	0.18	0.17	8.75	ppb
Zirconium	90-1	0.00	0.00	0.00	0.00	155.13	ppb
Zirconium	91-1	0.00	0.00	0.01	0.01	143.11	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	PB165867BS	Instrumnet Name :	P7
Client Sample ID :	LCS867	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:18:03	DataFile Name :	064LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	36.27	36.20	36.28	36.25	0.12	ppb
Antimony	121-1	3.89	3.78	3.82	3.83	1.37	ppb
Arsenic	75-2	2.06	2.21	2.01	2.09	5.09	ppb
Barium	135-1	18.78	18.17	18.18	18.38	1.87	ppb
Barium	137-1	18.95	18.38	18.36	18.56	1.82	ppb
Beryllium	9-1	1.98	2.03	1.91	1.98	3.00	ppb
Bismuth	209-1				105		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.31	1.93	1.91	2.05	10.88	ppb
Cadmium	106-1	3.19	1.72	1.22	2.04	50.29	ppb
Cadmium	111-1	2.00	2.01	2.03	2.01	0.72	ppb
Calcium	43-1	1006.20	972.43	972.16	983.60	1.99	ppb
Calcium	44-1	990.96	979.56	985.21	985.24	0.58	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3.54	3.44	3.44	3.47	1.67	ppb
Cobalt	59-2	1.92	1.98	1.93	1.94	1.57	ppb
Copper	63-2	3.88	3.90	3.98	3.92	1.40	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				101		%
Indium	115-1				100		%
Indium	115-2				99		%
Iron	56-2	398.97	393.92	394.92	395.94	0.67	ppb
Iron	57-2	398.57	389.40	401.12	396.36	1.56	ppb
Iron	54-2	404.21	404.49	402.30	403.66	0.30	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	PB165867BS	Instrumnet Name :	P7
Client Sample ID :	LCS867	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:18:03	DataFile Name :	064LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1.81	1.84	1.79	1.81	1.31	ppb
Lead	207-1	1.81	1.81	1.83	1.82	0.70	ppb
Lead	208-1	1.80	1.80	1.80	1.80	0.05	ppb
Lithium	6-1				103		%
Magnesium	24-2	884.66	887.99	895.02	889.22	0.59	ppb
Manganese	55-2	1.93	1.97	2.02	1.97	2.20	ppb
Molybdenum	94-1	10.84	10.73	10.78	10.78	0.52	ppb
Molybdenum	95-1	9.12	9.20	9.11	9.14	0.51	ppb
Molybdenum	96-1	9.38	9.39	9.26	9.34	0.77	ppb
Molybdenum	97-1	9.20	9.03	9.05	9.09	1.03	ppb
Molybdenum	98-1	9.25	9.16	9.17	9.19	0.52	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.86	1.84	1.80	1.83	1.62	ppb
Phosphorus	31-2	32.66	26.76	34.38	31.27	12.79	ppb
Potassium	39-2	951.46	958.87	965.62	958.65	0.74	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				97		%
Scandium	45-2				95		%
Selenium	82-1	10.31	10.12	9.39	9.94	4.89	ppb
Selenium	77-2	10.63	11.70	9.40	10.57	10.89	ppb
Selenium	78-2	7.80	11.99	9.53	9.77	21.52	ppb
Silicon	28-1	1.42	1.36	1.59	1.46	8.14	ppb
Silver	107-1	1.95	1.95	1.93	1.95	0.71	ppb
Silver	109-1	1.94	1.94	1.93	1.94	0.16	ppb
Sodium	23-2	873.77	869.62	880.56	874.65	0.63	ppb
Strontium	86-1	48.02	47.32	45.84	47.06	2.37	ppb
Strontium	88-1	47.48	46.13	46.34	46.65	1.56	ppb
Sulfur	34-1	55.88	62.13	85.69	67.90	23.16	ppb
Terbium	159-1				103		%
Terbium	159-2				102		%
Thallium	203-1	1.80	1.80	1.79	1.80	0.40	ppb
Thallium	205-1	1.81	1.82	1.78	1.80	1.06	ppb
Tin	118-1	9.77	9.61	9.64	9.68	0.83	ppb
Titanium	47-1	2.29	2.32	2.23	2.28	1.90	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	PB165867BS	Instrumnet Name :	P7
Client Sample ID :	LCS867	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:18:03	DataFile Name :	064LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.65	1.62	1.66	1.64	1.01	ppb
Vanadium	51-2	9.55	9.44	9.51	9.50	0.60	ppb
Yttrium	89-1				101		%
Yttrium	89-2				98		%
Zinc	66-2	9.96	10.18	9.93	10.02	1.36	ppb
Zirconium	90-1	1.84	1.82	1.79	1.82	1.33	ppb
Zirconium	91-1	1.85	1.78	1.86	1.83	2.57	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	PB165866BL	Instrumnet Name :	P7
Client Sample ID :	PBS866	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:21:27	DataFile Name :	065CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.59	0.70	0.82	0.70	16.56	ppb
Antimony	121-1	0.00	0.01	0.00	0.01	46.77	ppb
Arsenic	75-2	-0.03	-0.02	-0.03	-0.02		ppb
Barium	135-1	0.01	0.01	0.00	0.01	104.77	ppb
Barium	137-1	0.00	0.00	0.00	0.00	405.73	ppb
Beryllium	9-1	0.01	-0.01	0.01	0.00	200.76	ppb
Bismuth	209-1				105		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.01	-0.03	0.03	0.00		ppb
Cadmium	106-1	0.91	-0.03	-0.33	0.19	349.74	ppb
Cadmium	111-1	0.02	0.00	-0.01	0.00	419.89	ppb
Calcium	43-1	1.88	2.08	0.31	1.42	68.28	ppb
Calcium	44-1	1.15	0.81	0.99	0.98	17.51	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.13	-0.16	-0.16	-0.15		ppb
Cobalt	59-2	-0.01	-0.01	0.00	-0.01		ppb
Copper	63-2	0.02	0.04	0.02	0.03	49.30	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				104		%
Holmium	165-2				101		%
Indium	115-1				101		%
Indium	115-2				99		%
Iron	56-2	-0.46	-0.35	-0.40	-0.40		ppb
Iron	57-2	-1.38	-0.90	-0.36	-0.88		ppb
Iron	54-2	-0.95	-0.90	-0.76	-0.87		ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	PB165866BL	Instrumnet Name :	P7
Client Sample ID :	PBS866	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:21:27	DataFile Name :	065CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.01	0.02	0.01	0.01	12.61	ppb
Lead	207-1	0.02	0.01	0.01	0.02	41.57	ppb
Lead	208-1	0.02	0.02	0.01	0.02	22.28	ppb
Lithium	6-1				102		%
Magnesium	24-2	-0.16	-0.04	-0.03	-0.08		ppb
Manganese	55-2	0.08	0.09	0.10	0.09	12.57	ppb
Molybdenum	94-1	0.23	0.23	0.23	0.23	1.13	ppb
Molybdenum	95-1	-0.01	-0.02	-0.03	-0.02		ppb
Molybdenum	96-1	0.03	0.02	0.01	0.02	39.15	ppb
Molybdenum	97-1	-0.01	-0.01	-0.01	-0.01		ppb
Molybdenum	98-1	-0.01	-0.01	-0.01	-0.01		ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.10	-0.13	-0.11	-0.11		ppb
Phosphorus	31-2	-14.57	-16.06	-15.72	-15.45		ppb
Potassium	39-2	0.94	1.31	1.62	1.29	26.65	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				98		%
Scandium	45-2				95		%
Selenium	82-1	-0.01	-0.01	-0.08	-0.03		ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-0.02	-0.21	-0.34	-0.19		ppb
Silicon	28-1	-2.22	-1.97	-1.98	-2.06		ppb
Silver	107-1	0.02	0.01	0.01	0.01	18.83	ppb
Silver	109-1	0.01	0.01	0.01	0.01	21.88	ppb
Sodium	23-2	1.56	1.28	1.84	1.56	17.74	ppb
Strontium	86-1	-0.06	0.09	0.21	0.08	176.09	ppb
Strontium	88-1	0.15	0.14	0.08	0.12	31.11	ppb
Sulfur	34-1	-7.78	-0.31	39.60	10.51	242.46	ppb
Terbium	159-1				103		%
Terbium	159-2				102		%
Thallium	203-1	0.01	0.01	0.01	0.01	16.62	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	15.43	ppb
Tin	118-1	0.05	0.04	0.04	0.05	10.81	ppb
Titanium	47-1	0.02	0.02	0.01	0.02	48.37	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	PB165866BL	Instrumnet Name :	P7
Client Sample ID :	PBS866	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:21:27	DataFile Name :	065CCBE.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	0.00	0.00	0.00	0.00		ppb
Yttrium	89-1				102		%
Yttrium	89-2				98		%
Zinc	66-2	0.17	0.19	0.14	0.17	15.93	ppb
Zirconium	90-1	0.14	0.13	0.13	0.14	1.51	ppb
Zirconium	91-1	0.14	0.14	0.15	0.14	5.16	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	PB165866BS	Instrumnet Name :	P7
Client Sample ID :	LCS866	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:24:46	DataFile Name :	066LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	39.85	39.78	38.80	39.48	1.48	ppb
Antimony	121-1	4.07	4.30	4.26	4.21	2.93	ppb
Arsenic	75-2	2.19	2.24	2.39	2.27	4.65	ppb
Barium	135-1	19.89	20.49	20.23	20.20	1.48	ppb
Barium	137-1	20.14	20.69	20.51	20.45	1.36	ppb
Beryllium	9-1	2.10	2.19	2.13	2.14	1.98	ppb
Bismuth	209-1				105		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.25	1.87	1.99	2.04	9.59	ppb
Cadmium	106-1	2.88	2.88	1.61	2.46	29.76	ppb
Cadmium	111-1	2.11	2.22	2.29	2.21	4.00	ppb
Calcium	43-1	1062.22	1081.36	1087.08	1076.89	1.21	ppb
Calcium	44-1	1059.77	1089.55	1076.79	1075.37	1.39	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3.95	3.89	3.81	3.88	1.74	ppb
Cobalt	59-2	2.07	2.13	2.15	2.12	1.94	ppb
Copper	63-2	4.29	4.41	4.39	4.36	1.51	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				103		%
Indium	115-1				102		%
Indium	115-2				100		%
Iron	56-2	431.38	443.31	428.90	434.53	1.77	ppb
Iron	57-2	433.82	440.93	439.34	438.03	0.85	ppb
Iron	54-2	440.94	440.24	437.27	439.48	0.44	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	PB165866BS	Instrumnet Name :	P7
Client Sample ID :	LCS866	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:24:46	DataFile Name :	066LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1.97	2.00	2.05	2.00	2.26	ppb
Lead	207-1	1.89	1.95	2.01	1.95	3.11	ppb
Lead	208-1	1.92	1.97	2.02	1.97	2.36	ppb
Lithium	6-1				104		%
Magnesium	24-2	972.58	980.60	966.51	973.23	0.73	ppb
Manganese	55-2	2.15	2.14	2.08	2.12	1.75	ppb
Molybdenum	94-1	11.73	12.09	12.17	12.00	1.95	ppb
Molybdenum	95-1	9.73	10.07	10.13	9.98	2.15	ppb
Molybdenum	96-1	9.92	10.23	10.28	10.14	1.92	ppb
Molybdenum	97-1	9.82	10.19	10.30	10.10	2.47	ppb
Molybdenum	98-1	9.74	10.10	10.22	10.02	2.47	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.12	2.09	2.11	2.11	0.66	ppb
Phosphorus	31-2	40.22	38.42	39.88	39.51	2.42	ppb
Potassium	39-2	1055.77	1059.56	1046.79	1054.04	0.62	ppb
Rhodium	103-1				102		%
Rhodium	103-2				102		%
Scandium	45-1				100		%
Scandium	45-2				98		%
Selenium	82-1	10.50	11.06	10.59	10.71	2.83	ppb
Selenium	77-2	10.63	8.26	9.50	9.46	12.56	ppb
Selenium	78-2	9.28	10.16	11.38	10.27	10.24	ppb
Silicon	28-1	1.84	2.40	2.22	2.15	13.22	ppb
Silver	107-1	2.07	2.17	2.21	2.15	3.38	ppb
Silver	109-1	2.11	2.19	2.16	2.15	1.97	ppb
Sodium	23-2	952.10	957.15	950.16	953.14	0.38	ppb
Strontium	86-1	50.11	51.61	50.67	50.80	1.48	ppb
Strontium	88-1	49.88	50.94	50.79	50.54	1.13	ppb
Sulfur	34-1	-32.54	125.31	79.33	57.37	141.52	ppb
Terbium	159-1				104		%
Terbium	159-2				103		%
Thallium	203-1	1.94	1.96	1.98	1.96	1.12	ppb
Thallium	205-1	1.90	1.97	1.99	1.95	2.37	ppb
Tin	118-1	10.42	10.73	10.66	10.61	1.51	ppb
Titanium	47-1	2.29	2.41	2.50	2.40	4.31	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	PB165866BS	Instrumnet Name :	P7
Client Sample ID :	LCS866	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:24:46	DataFile Name :	066LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.75	1.77	1.83	1.78	2.24	ppb
Vanadium	51-2	10.47	10.48	10.44	10.46	0.21	ppb
Yttrium	89-1				103		%
Yttrium	89-2				100		%
Zinc	66-2	10.93	11.09	10.85	10.95	1.14	ppb
Zirconium	90-1	1.94	2.01	2.01	1.99	2.09	ppb
Zirconium	91-1	1.89	1.99	2.03	1.97	3.69	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5347-05	Instrumnet Name :	P7
Client Sample ID :	MJNBZ5	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:28:09	DataFile Name :	067SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	25593.29	25697.68	25858.35	25716.44	0.52	ppb
Antimony	121-1	0.18	0.19	0.18	0.18	2.69	ppb
Arsenic	75-2	7.68	8.32	7.74	7.91	4.45	ppb
Barium	135-1	97.99	98.26	101.42	99.22	1.92	ppb
Barium	137-1	98.85	99.87	101.89	100.20	1.54	ppb
Beryllium	9-1	0.99	0.98	1.03	1.00	2.26	ppb
Bismuth	209-1				109		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.80	0.62	0.63	0.68	14.75	ppb
Cadmium	106-1	1.52	1.72	1.79	1.68	8.56	ppb
Cadmium	111-1	0.30	0.33	0.34	0.32	6.06	ppb
Calcium	43-1	12754.07	12753.86	12807.85	12771.93	0.24	ppb
Calcium	44-1	12523.71	12421.21	12459.10	12468.01	0.42	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	30.04	29.94	30.01	29.99	0.17	ppb
Cobalt	59-2	31.78	31.67	31.77	31.74	0.20	ppb
Copper	63-2	92.59	91.97	93.14	92.57	0.63	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				111		%
Holmium	165-2				108		%
Indium	115-1				106		%
Indium	115-2				104		%
Iron	56-2	51165.75	50622.21	51226.54	51004.83	0.65	ppb
Iron	57-2	50659.70	50382.99	50162.07	50401.59	0.49	ppb
Iron	54-2	51383.64	50652.53	51289.67	51108.61	0.78	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5347-05	Instrumnet Name :	P7
Client Sample ID :	MJNBZ5	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:28:09	DataFile Name :	067SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	91.40	93.37	96.69	93.82	2.85	ppb
Lead	207-1	86.42	88.01	90.92	88.45	2.58	ppb
Lead	208-1	91.52	92.67	95.73	93.31	2.33	ppb
Lithium	6-1				108		%
Magnesium	24-2	13260.41	13132.55	13359.88	13250.95	0.86	ppb
Manganese	55-2	829.17	823.70	826.61	826.49	0.33	ppb
Molybdenum	94-1	10.09	10.00	9.93	10.01	0.81	ppb
Molybdenum	95-1	0.97	0.78	0.74	0.83	15.10	ppb
Molybdenum	96-1	2.33	2.08	2.09	2.17	6.48	ppb
Molybdenum	97-1	0.91	0.81	0.82	0.84	6.86	ppb
Molybdenum	98-1	0.86	0.76	0.74	0.79	8.07	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	39.72	39.75	38.88	39.45	1.25	ppb
Phosphorus	31-2	753.20	785.99	753.38	764.19	2.47	ppb
Potassium	39-2	915.63	915.34	914.46	915.14	0.07	ppb
Rhodium	103-1				106		%
Rhodium	103-2				106		%
Scandium	45-1				109		%
Scandium	45-2				106		%
Selenium	82-1	0.65	0.27	0.53	0.48	40.39	ppb
Selenium	77-2	5.08	6.07	4.87	5.34	12.02	ppb
Selenium	78-2	-0.11	1.59	1.81	1.10	95.62	ppb
Silicon	28-1	371.71	376.51	376.84	375.02	0.77	ppb
Silver	107-1	0.17	0.12	0.11	0.13	24.86	ppb
Silver	109-1	0.17	0.11	0.10	0.12	30.84	ppb
Sodium	23-2	236.64	236.63	238.55	237.27	0.47	ppb
Strontium	86-1	1756.90	1724.67	1758.83	1746.80	1.10	ppb
Strontium	88-1	1798.88	1793.13	1815.64	1802.55	0.65	ppb
Sulfur	34-1	-401.05	-541.36	-609.55	-517.32		ppb
Terbium	159-1				110		%
Terbium	159-2				107		%
Thallium	203-1	0.20	0.17	0.18	0.18	8.23	ppb
Thallium	205-1	0.21	0.18	0.17	0.19	9.78	ppb
Tin	118-1	1.88	1.86	1.86	1.87	0.57	ppb
Titanium	47-1	246.29	240.33	243.04	243.22	1.23	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5347-05	Instrumnet Name :	P7
Client Sample ID :	MJNBZ5	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:28:09	DataFile Name :	067SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.95	0.96	0.97	0.96	1.39	ppb
Vanadium	51-2	118.27	117.89	118.84	118.33	0.40	ppb
Yttrium	89-1				112		%
Yttrium	89-2				109		%
Zinc	66-2	116.01	116.78	116.67	116.49	0.36	ppb
Zirconium	90-1	5.06	5.10	5.11	5.09	0.46	ppb
Zirconium	91-1	5.17	5.02	5.06	5.08	1.53	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5347-06	Instrumnet Name :	P7
Client Sample ID :	MJNBZ5D	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:31:20	DataFile Name :	068SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	25239.58	25571.08	25739.41	25516.69	1.00	ppb
Antimony	121-1	0.19	0.18	0.19	0.19	2.37	ppb
Arsenic	75-2	8.23	7.95	8.26	8.15	2.13	ppb
Barium	135-1	96.01	98.82	98.39	97.74	1.55	ppb
Barium	137-1	99.74	99.25	99.74	99.58	0.29	ppb
Beryllium	9-1	1.01	1.03	1.05	1.03	1.90	ppb
Bismuth	209-1				109		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.63	0.78	0.69	0.70	10.56	ppb
Cadmium	106-1	0.93	0.65	1.51	1.03	42.52	ppb
Cadmium	111-1	0.31	0.30	0.30	0.30	1.75	ppb
Calcium	43-1	12751.62	12597.77	12745.07	12698.15	0.69	ppb
Calcium	44-1	12341.60	12380.82	12489.76	12404.06	0.62	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	29.90	29.46	29.92	29.76	0.87	ppb
Cobalt	59-2	31.57	31.32	31.86	31.59	0.86	ppb
Copper	63-2	92.17	92.20	93.74	92.70	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				112		%
Holmium	165-2				107		%
Indium	115-1				107		%
Indium	115-2				103		%
Iron	56-2	50757.36	50643.55	50938.67	50779.86	0.29	ppb
Iron	57-2	50586.04	49706.95	50722.24	50338.41	1.09	ppb
Iron	54-2	51163.20	50896.93	51425.94	51162.02	0.52	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5347-06	Instrumnet Name :	P7
Client Sample ID :	MJNBZ5D	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:31:20	DataFile Name :	068SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	92.90	94.08	94.93	93.97	1.08	ppb
Lead	207-1	88.38	90.15	89.89	89.47	1.07	ppb
Lead	208-1	92.61	94.65	94.36	93.87	1.17	ppb
Lithium	6-1				106		%
Magnesium	24-2	13054.70	13093.38	13206.16	13118.08	0.60	ppb
Manganese	55-2	817.26	816.74	824.05	819.35	0.50	ppb
Molybdenum	94-1	9.47	10.01	9.81	9.76	2.84	ppb
Molybdenum	95-1	0.75	0.74	0.74	0.74	1.17	ppb
Molybdenum	96-1	2.09	2.11	2.11	2.10	0.54	ppb
Molybdenum	97-1	0.76	0.77	0.79	0.77	1.93	ppb
Molybdenum	98-1	0.71	0.76	0.76	0.74	3.65	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	39.52	39.18	39.35	39.35	0.43	ppb
Phosphorus	31-2	764.38	752.69	720.80	745.96	3.02	ppb
Potassium	39-2	916.30	905.59	910.16	910.68	0.59	ppb
Rhodium	103-1				107		%
Rhodium	103-2				106		%
Scandium	45-1				108		%
Scandium	45-2				105		%
Selenium	82-1	0.91	0.64	0.30	0.62	49.34	ppb
Selenium	77-2	5.40	6.33	5.62	5.78	8.42	ppb
Selenium	78-2	0.02	0.02	1.77	0.61	166.65	ppb
Silicon	28-1	388.59	374.63	382.11	381.78	1.83	ppb
Silver	107-1	0.08	0.08	0.07	0.08	5.80	ppb
Silver	109-1	0.07	0.08	0.08	0.08	3.65	ppb
Sodium	23-2	239.41	239.22	242.17	240.27	0.69	ppb
Strontium	86-1	1735.05	1750.66	1738.95	1741.56	0.47	ppb
Strontium	88-1	1777.90	1783.13	1801.68	1787.57	0.70	ppb
Sulfur	34-1	-725.68	-812.62	-809.36	-782.55		ppb
Terbium	159-1				112		%
Terbium	159-2				107		%
Thallium	203-1	0.14	0.14	0.15	0.14	6.26	ppb
Thallium	205-1	0.15	0.15	0.15	0.15	2.54	ppb
Tin	118-1	1.76	1.83	1.85	1.81	2.84	ppb
Titanium	47-1	239.11	239.16	240.38	239.55	0.30	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5347-06	Instrumnet Name :	P7
Client Sample ID :	MJNBZ5D	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:31:20	DataFile Name :	068SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.96	0.96	0.98	0.96	1.23	ppb
Vanadium	51-2	118.82	118.33	119.12	118.76	0.34	ppb
Yttrium	89-1				113		%
Yttrium	89-2				108		%
Zinc	66-2	115.97	114.96	117.51	116.15	1.11	ppb
Zirconium	90-1	5.07	5.10	5.01	5.06	0.94	ppb
Zirconium	91-1	5.02	5.02	5.18	5.08	1.76	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5347-05LX5	Instrumnet Name :	P7
Client Sample ID :	MJNBZ5L	Dilution Factor :	5
Date & Time Acquired :	2024-12-27 18:34:33	DataFile Name :	069SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	5139.99	5162.16	5174.67	5158.94	0.34	ppb
Antimony	121-1	19.10	19.47	19.50	19.36	1.14	ppb
Arsenic	75-2	1.72	1.64	1.61	1.66	3.40	ppb
Barium	135-1	19.32	19.27	19.08	19.22	0.66	ppb
Barium	137-1	19.23	19.73	19.56	19.51	1.30	ppb
Beryllium	9-1	0.18	0.19	0.22	0.20	9.92	ppb
Bismuth	209-1				108		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.03	0.17	0.20	0.14	69.32	ppb
Cadmium	106-1	-0.45	-0.04	-0.09	-0.19		ppb
Cadmium	111-1	0.07	0.06	0.05	0.06	16.32	ppb
Calcium	43-1	2533.13	2552.30	2520.07	2535.17	0.64	ppb
Calcium	44-1	2486.54	2488.40	2525.82	2500.25	0.89	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	6.00	5.90	5.77	5.89	1.91	ppb
Cobalt	59-2	6.39	6.35	6.26	6.34	1.10	ppb
Copper	63-2	18.80	18.90	18.58	18.76	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				109		%
Holmium	165-2				105		%
Indium	115-1				105		%
Indium	115-2				101		%
Iron	56-2	10176.76	10223.86	10147.13	10182.58	0.38	ppb
Iron	57-2	10170.96	10251.13	10180.37	10200.82	0.43	ppb
Iron	54-2	10308.13	10389.54	10325.16	10340.94	0.42	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5347-05LX5	Instrumnet Name :	P7
Client Sample ID :	MJNBZ5L	Dilution Factor :	5
Date & Time Acquired :	2024-12-27 18:34:33	DataFile Name :	069SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	17.80	18.07	18.22	18.03	1.18	ppb
Lead	207-1	17.02	17.26	17.06	17.12	0.75	ppb
Lead	208-1	17.18	17.53	17.44	17.38	1.06	ppb
Lithium	6-1				104		%
Magnesium	24-2	2606.35	2623.83	2600.26	2610.15	0.47	ppb
Manganese	55-2	161.94	162.29	161.61	161.95	0.21	ppb
Molybdenum	94-1	1.88	1.85	1.77	1.84	3.04	ppb
Molybdenum	95-1	0.13	0.12	0.14	0.13	4.73	ppb
Molybdenum	96-1	0.40	0.41	0.41	0.41	1.41	ppb
Molybdenum	97-1	0.15	0.14	0.14	0.14	5.03	ppb
Molybdenum	98-1	0.13	0.16	0.15	0.15	11.28	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	7.78	8.00	7.66	7.82	2.23	ppb
Phosphorus	31-2	414.50	410.28	411.11	411.96	0.54	ppb
Potassium	39-2	590.16	588.36	585.20	587.91	0.43	ppb
Rhodium	103-1				104		%
Rhodium	103-2				103		%
Scandium	45-1				102		%
Scandium	45-2				99		%
Selenium	82-1	0.22	0.39	0.03	0.21	83.44	ppb
Selenium	77-2	1.99	1.07	1.08	1.38	38.38	ppb
Selenium	78-2	0.88	0.00	-0.26	0.21	290.06	ppb
Silicon	28-1	82.79	77.67	75.78	78.75	4.61	ppb
Silver	107-1	0.02	0.02	0.01	0.02	8.99	ppb
Silver	109-1	0.01	0.02	0.02	0.02	8.36	ppb
Sodium	23-2	70.68	70.21	71.32	70.73	0.79	ppb
Strontium	86-1	344.37	348.82	356.42	349.87	1.74	ppb
Strontium	88-1	341.61	348.58	349.85	346.68	1.28	ppb
Sulfur	34-1	-939.19	-901.77	-962.71	-934.56		ppb
Terbium	159-1				108		%
Terbium	159-2				106		%
Thallium	203-1	0.03	0.02	0.02	0.02	25.16	ppb
Thallium	205-1	0.03	0.03	0.03	0.03	10.60	ppb
Tin	118-1	0.38	0.38	0.39	0.38	1.83	ppb
Titanium	47-1	46.90	47.85	48.82	47.85	2.01	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5347-05LX5	Instrumnet Name :	P7
Client Sample ID :	MJNBZ5L	Dilution Factor :	5
Date & Time Acquired :	2024-12-27 18:34:33	DataFile Name :	069SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.18	0.18	0.19	0.18	1.45	ppb
Vanadium	51-2	23.65	23.61	23.59	23.62	0.14	ppb
Yttrium	89-1				106		%
Yttrium	89-2				101		%
Zinc	66-2	24.36	23.53	24.17	24.02	1.82	ppb
Zirconium	90-1	0.91	0.95	0.94	0.94	2.04	ppb
Zirconium	91-1	0.84	0.95	0.94	0.91	6.68	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5347-07	Instrumnet Name :	P7
Client Sample ID :	MJNBZ5S	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:37:49	DataFile Name :	070SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	25395.25	25534.85	25642.43	25524.18	0.49	ppb
Antimony	121-1	0.19	0.18	0.19	0.18	3.35	ppb
Arsenic	75-2	219.81	216.04	214.71	216.85	1.22	ppb
Barium	135-1	508.83	524.84	508.17	513.95	1.84	ppb
Barium	137-1	513.98	515.58	512.65	514.07	0.28	ppb
Beryllium	9-1	10.82	11.02	10.82	10.89	1.08	ppb
Bismuth	209-1				112		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	92.81	96.16	96.14	95.04	2.03	ppb
Cadmium	106-1	92.92	94.08	95.71	94.24	1.48	ppb
Cadmium	111-1	98.00	98.35	99.60	98.65	0.85	ppb
Calcium	43-1	12570.20	12785.99	12633.06	12663.08	0.88	ppb
Calcium	44-1	12254.77	12360.84	12265.62	12293.75	0.47	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	68.01	69.11	69.11	68.74	0.93	ppb
Cobalt	59-2	128.61	129.25	128.60	128.82	0.29	ppb
Copper	63-2	139.09	140.90	139.94	139.98	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				112		%
Holmium	165-2				107		%
Indium	115-1				106		%
Indium	115-2				103		%
Iron	56-2	50789.51	51148.84	50825.47	50921.27	0.39	ppb
Iron	57-2	49439.07	50068.57	49984.67	49830.77	0.69	ppb
Iron	54-2	50965.06	50917.22	50879.54	50920.61	0.08	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5347-07	Instrumnet Name :	P7
Client Sample ID :	MJNBZ5S	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:37:49	DataFile Name :	070SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	267.27	269.09	274.32	270.23	1.35	ppb
Lead	207-1	250.15	250.91	259.07	253.38	1.95	ppb
Lead	208-1	257.77	256.81	262.31	258.96	1.13	ppb
Lithium	6-1				107		%
Magnesium	24-2	12981.88	13117.86	13002.57	13034.10	0.56	ppb
Manganese	55-2	907.31	915.93	917.88	913.71	0.62	ppb
Molybdenum	94-1	11.27	11.23	11.29	11.27	0.29	ppb
Molybdenum	95-1	2.67	2.61	2.69	2.66	1.52	ppb
Molybdenum	96-1	3.88	3.96	3.94	3.93	1.12	ppb
Molybdenum	97-1	2.64	2.61	2.73	2.66	2.41	ppb
Molybdenum	98-1	2.59	2.63	2.66	2.63	1.31	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	137.35	139.63	138.22	138.40	0.83	ppb
Phosphorus	31-2	758.60	755.47	740.32	751.46	1.30	ppb
Potassium	39-2	894.11	905.49	904.16	901.25	0.69	ppb
Rhodium	103-1				106		%
Rhodium	103-2				105		%
Scandium	45-1				107		%
Scandium	45-2				104		%
Selenium	82-1	219.10	222.00	225.86	222.32	1.53	ppb
Selenium	77-2	233.21	241.28	234.29	236.26	1.86	ppb
Selenium	78-2	225.99	231.79	227.28	228.35	1.33	ppb
Silicon	28-1	372.04	379.75	379.39	377.06	1.15	ppb
Silver	107-1	9.93	10.34	10.31	10.19	2.23	ppb
Silver	109-1	9.90	10.23	10.29	10.14	2.09	ppb
Sodium	23-2	234.80	237.03	240.11	237.32	1.12	ppb
Strontium	86-1	1705.26	1716.17	1753.66	1725.03	1.47	ppb
Strontium	88-1	1756.53	1767.26	1788.97	1770.92	0.93	ppb
Sulfur	34-1	-939.98	-949.41	-909.72	-933.04		ppb
Terbium	159-1				111		%
Terbium	159-2				107		%
Thallium	203-1	181.20	177.85	183.46	180.84	1.56	ppb
Thallium	205-1	180.05	180.93	185.02	182.00	1.46	ppb
Tin	118-1	1.82	1.84	1.79	1.81	1.38	ppb
Titanium	47-1	236.06	245.12	239.76	240.31	1.90	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5347-07	Instrumnet Name :	P7
Client Sample ID :	MJNBZ5S	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:37:49	DataFile Name :	070SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.93	0.93	0.95	0.94	1.25	ppb
Vanadium	51-2	213.74	214.37	213.45	213.86	0.22	ppb
Yttrium	89-1				113		%
Yttrium	89-2				108		%
Zinc	66-2	213.17	214.81	213.74	213.91	0.39	ppb
Zirconium	90-1	4.91	4.97	5.03	4.97	1.24	ppb
Zirconium	91-1	4.97	5.24	5.27	5.16	3.25	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-06	Instrumnet Name :	P7
Client Sample ID :	MJNKB1	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:40:56	DataFile Name :	071SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	13912.13	13738.82	13873.07	13841.34	0.66	ppb
Antimony	121-1	2248.43	2252.11	2282.06	2260.86	0.82	ppb
Arsenic	75-2	5868.20	5693.39	5713.36	5758.31	1.66	ppb
Barium	135-1	202.34	204.87	207.49	204.90	1.26	ppb
Barium	137-1	205.81	207.65	210.61	208.02	1.16	ppb
Beryllium	9-1	1.37	1.27	1.30	1.31	4.18	ppb
Bismuth	209-1				113		%
Bismuth	209-2				108		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	15.14	15.36	15.15	15.22	0.81	ppb
Cadmium	106-1	14.48	14.34	15.14	14.66	2.93	ppb
Cadmium	111-1	8.62	8.55	8.74	8.64	1.11	ppb
Calcium	43-1	46508.70	47977.49	46954.24	47146.81	1.60	ppb
Calcium	44-1	46131.97	47399.03	47458.38	46996.46	1.59	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	118.75	116.64	116.47	117.28	1.08	ppb
Cobalt	59-2	187.07	185.17	184.41	185.55	0.74	ppb
Copper	63-2	2200.03	2136.92	2143.94	2160.30	1.60	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				111		%
Holmium	165-2				107		%
Indium	115-1				122		%
Indium	115-2				119		%
Iron	56-2	167042.48	165884.11	165992.65	166306.41	0.38	ppb
Iron	57-2	166558.42	164915.57	165200.83	165558.27	0.53	ppb
Iron	54-2	168737.50	166364.41	167196.98	167432.96	0.72	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-06	Instrumnet Name :	P7
Client Sample ID :	MJNKB1	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:40:56	DataFile Name :	071SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	3236.49	3265.78	3190.02	3230.77	1.18	ppb
Lead	207-1	3160.30	3218.70	3163.88	3180.96	1.03	ppb
Lead	208-1	3172.76	3214.64	3169.46	3185.62	0.79	ppb
Lithium	6-1				104		%
Magnesium	24-2	6532.43	6403.49	6438.54	6458.16	1.03	ppb
Manganese	55-2	677.46	663.58	677.13	672.72	1.18	ppb
Molybdenum	94-1	365.03	361.35	364.41	363.59	0.54	ppb
Molybdenum	95-1	408.19	407.22	407.99	407.80	0.13	ppb
Molybdenum	96-1	406.99	410.23	406.13	407.78	0.53	ppb
Molybdenum	97-1	404.76	409.21	403.32	405.77	0.76	ppb
Molybdenum	98-1	409.89	407.58	402.01	406.49	1.00	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	74.86	74.04	73.49	74.13	0.93	ppb
Phosphorus	31-2	1007.04	1047.94	994.12	1016.37	2.76	ppb
Potassium	39-2	3438.02	3402.85	3436.12	3425.66	0.58	ppb
Rhodium	103-1				105		%
Rhodium	103-2				106		%
Scandium	45-1				105		%
Scandium	45-2				105		%
Selenium	82-1	3.55	3.28	3.49	3.44	4.08	ppb
Selenium	77-2	6.59	6.23	5.75	6.19	6.87	ppb
Selenium	78-2	4.09	2.74	3.49	3.44	19.68	ppb
Silicon	28-1	1545.00	1575.03	1573.56	1564.53	1.08	ppb
Silver	107-1	5.41	5.46	5.50	5.46	0.90	ppb
Silver	109-1	5.30	5.36	5.50	5.39	1.91	ppb
Sodium	23-2	11243.65	11170.25	11133.35	11182.41	0.50	ppb
Strontium	86-1	5604.79	5558.67	5580.36	5581.27	0.41	ppb
Strontium	88-1	5701.22	5765.14	5745.36	5737.24	0.57	ppb
Sulfur	34-1	3741.33	3803.48	3946.49	3830.43	2.75	ppb
Terbium	159-1				110		%
Terbium	159-2				107		%
Thallium	203-1	3.67	3.70	3.71	3.69	0.57	ppb
Thallium	205-1	3.72	3.75	3.76	3.74	0.56	ppb
Tin	118-1	491.77	495.68	505.09	497.51	1.38	ppb
Titanium	47-1	689.76	704.97	706.20	700.31	1.31	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-06	Instrumnet Name :	P7
Client Sample ID :	MJNKB1	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:40:56	DataFile Name :	071SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	4.39	4.44	4.38	4.40	0.73	ppb
Vanadium	51-2	43.68	43.20	43.27	43.38	0.60	ppb
Yttrium	89-1				111		%
Yttrium	89-2				107		%
Zinc	66-2	11215.63	11050.99	11069.92	11112.18	0.81	ppb
Zirconium	90-1	16.98	17.20	17.34	17.17	1.05	ppb
Zirconium	91-1	18.33	18.54	18.73	18.53	1.07	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-07	Instrumnet Name :	P7
Client Sample ID :	MJNKB1D	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:43:52	DataFile Name :	072SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	13977.76	13784.63	13807.73	13856.70	0.76	ppb
Antimony	121-1	2314.86	2329.78	2325.99	2323.55	0.33	ppb
Arsenic	75-2	5768.56	5760.63	5844.19	5791.13	0.80	ppb
Barium	135-1	205.70	212.06	208.95	208.90	1.52	ppb
Barium	137-1	209.52	212.93	211.35	211.27	0.81	ppb
Beryllium	9-1	1.39	1.37	1.33	1.36	1.94	ppb
Bismuth	209-1				111		%
Bismuth	209-2				108		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	15.38	15.38	15.88	15.54	1.86	ppb
Cadmium	106-1	15.68	16.17	15.21	15.68	3.06	ppb
Cadmium	111-1	8.59	8.82	8.68	8.70	1.28	ppb
Calcium	43-1	47870.48	47831.80	47418.74	47707.01	0.52	ppb
Calcium	44-1	47198.16	47911.20	47150.90	47420.09	0.90	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	118.05	117.29	116.23	117.19	0.78	ppb
Cobalt	59-2	182.44	184.91	182.90	183.41	0.72	ppb
Copper	63-2	2154.13	2173.51	2143.41	2157.02	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				111		%
Holmium	165-2				108		%
Indium	115-1				122		%
Indium	115-2				121		%
Iron	56-2	166367.32	166599.06	163744.03	165570.14	0.96	ppb
Iron	57-2	166173.17	164992.23	161778.58	164314.66	1.38	ppb
Iron	54-2	167311.22	166074.13	163353.49	165579.62	1.22	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-07	Instrumnet Name :	P7
Client Sample ID :	MJNKB1D	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:43:52	DataFile Name :	072SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	3243.81	3374.97	3240.18	3286.32	2.34	ppb
Lead	207-1	3165.47	3266.28	3197.78	3209.85	1.60	ppb
Lead	208-1	3192.52	3313.82	3238.48	3248.27	1.89	ppb
Lithium	6-1				102		%
Magnesium	24-2	6516.40	6363.86	6501.54	6460.60	1.30	ppb
Manganese	55-2	673.75	671.54	658.59	667.96	1.23	ppb
Molybdenum	94-1	363.78	375.16	372.35	370.43	1.60	ppb
Molybdenum	95-1	404.05	421.81	416.70	414.19	2.21	ppb
Molybdenum	96-1	403.55	418.33	414.34	412.08	1.86	ppb
Molybdenum	97-1	415.44	421.83	416.58	417.95	0.82	ppb
Molybdenum	98-1	409.11	415.52	407.72	410.79	1.01	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	73.23	73.92	72.82	73.32	0.75	ppb
Phosphorus	31-2	1012.61	1021.61	1009.92	1014.71	0.60	ppb
Potassium	39-2	3410.33	3398.20	3410.58	3406.37	0.21	ppb
Rhodium	103-1				106		%
Rhodium	103-2				107		%
Scandium	45-1				106		%
Scandium	45-2				107		%
Selenium	82-1	3.41	3.21	3.52	3.38	4.64	ppb
Selenium	77-2	7.32	6.57	8.17	7.35	10.94	ppb
Selenium	78-2	4.57	3.64	3.17	3.79	18.82	ppb
Silicon	28-1	1582.68	1669.05	1555.38	1602.37	3.70	ppb
Silver	107-1	5.50	5.59	5.61	5.56	1.04	ppb
Silver	109-1	5.46	5.56	5.51	5.51	0.89	ppb
Sodium	23-2	11235.85	11110.11	11166.65	11170.87	0.56	ppb
Strontium	86-1	5582.21	5736.21	5717.42	5678.61	1.48	ppb
Strontium	88-1	5814.89	5867.60	5783.56	5822.02	0.73	ppb
Sulfur	34-1	3975.51	4118.88	3922.59	4005.66	2.54	ppb
Terbium	159-1				109		%
Terbium	159-2				108		%
Thallium	203-1	3.66	3.81	3.74	3.74	1.91	ppb
Thallium	205-1	3.61	3.81	3.73	3.72	2.69	ppb
Tin	118-1	500.88	514.76	517.06	510.90	1.71	ppb
Titanium	47-1	708.23	717.11	705.23	710.19	0.87	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-07	Instrumnet Name :	P7
Client Sample ID :	MJNKB1D	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:43:52	DataFile Name :	072SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	4.29	4.50	4.43	4.41	2.45	ppb
Vanadium	51-2	43.16	43.19	43.05	43.13	0.17	ppb
Yttrium	89-1				111		%
Yttrium	89-2				108		%
Zinc	66-2	11084.02	11068.14	10914.07	11022.08	0.85	ppb
Zirconium	90-1	17.28	17.65	17.64	17.52	1.21	ppb
Zirconium	91-1	18.25	19.00	18.56	18.60	2.04	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-06LX5	Instrumnet Name :	P7
Client Sample ID :	MJNKB1L	Dilution Factor :	5
Date & Time Acquired :	2024-12-27 18:46:48	DataFile Name :	073SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2730.85	2724.25	2718.24	2724.45	0.23	ppb
Antimony	121-1	426.78	448.63	454.63	443.35	3.31	ppb
Arsenic	75-2	1148.53	1160.21	1153.72	1154.16	0.51	ppb
Barium	135-1	39.02	40.92	40.94	40.30	2.74	ppb
Barium	137-1	39.46	41.76	41.60	40.94	3.14	ppb
Beryllium	9-1	0.24	0.21	0.30	0.25	18.68	ppb
Bismuth	209-1				109		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.86	3.06	2.90	2.94	3.62	ppb
Cadmium	106-1	2.29	2.18	2.76	2.41	12.82	ppb
Cadmium	111-1	1.66	1.66	1.71	1.68	1.82	ppb
Calcium	43-1	9144.42	9578.54	9632.24	9451.73	2.83	ppb
Calcium	44-1	8949.17	9392.72	9548.31	9296.73	3.34	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	23.74	23.75	24.10	23.86	0.87	ppb
Cobalt	59-2	36.75	36.80	36.86	36.81	0.16	ppb
Copper	63-2	447.39	446.40	447.84	447.21	0.17	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				111		%
Holmium	165-2				105		%
Indium	115-1				111		%
Indium	115-2				107		%
Iron	56-2	34012.75	33966.94	34076.71	34018.80	0.16	ppb
Iron	57-2	33572.69	33697.54	33917.42	33729.21	0.52	ppb
Iron	54-2	34517.95	34252.85	34280.63	34350.47	0.42	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-06LX5	Instrumnet Name :	P7
Client Sample ID :	MJNKB1L	Dilution Factor :	5
Date & Time Acquired :	2024-12-27 18:46:48	DataFile Name :	073SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	636.48	666.85	662.36	655.23	2.50	ppb
Lead	207-1	623.13	652.42	652.03	642.53	2.61	ppb
Lead	208-1	623.85	659.08	651.59	644.84	2.88	ppb
Lithium	6-1				103		%
Magnesium	24-2	1238.30	1243.79	1247.87	1243.32	0.39	ppb
Manganese	55-2	133.78	133.46	134.74	133.99	0.50	ppb
Molybdenum	94-1	68.07	71.79	72.25	70.70	3.24	ppb
Molybdenum	95-1	74.53	79.63	80.23	78.13	4.01	ppb
Molybdenum	96-1	74.05	78.71	79.39	77.39	3.75	ppb
Molybdenum	97-1	75.93	80.10	80.49	78.84	3.20	ppb
Molybdenum	98-1	75.22	79.79	80.51	78.51	3.65	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	14.98	15.08	14.98	15.01	0.36	ppb
Phosphorus	31-2	206.07	194.18	189.90	196.72	4.26	ppb
Potassium	39-2	710.63	719.56	710.02	713.40	0.75	ppb
Rhodium	103-1				108		%
Rhodium	103-2				105		%
Scandium	45-1				107		%
Scandium	45-2				103		%
Selenium	82-1	1.19	0.61	0.67	0.82	39.09	ppb
Selenium	77-2	1.48	1.63	0.89	1.33	29.44	ppb
Selenium	78-2	0.77	0.36	-0.46	0.22	279.43	ppb
Silicon	28-1	289.17	309.51	323.48	307.39	5.61	ppb
Silver	107-1	1.03	1.07	1.11	1.07	3.66	ppb
Silver	109-1	1.03	1.10	1.11	1.08	3.87	ppb
Sodium	23-2	2255.99	2306.64	2300.95	2287.86	1.21	ppb
Strontium	86-1	1059.35	1135.09	1138.76	1111.06	4.03	ppb
Strontium	88-1	1095.56	1154.06	1159.90	1136.51	3.13	ppb
Sulfur	34-1	188.24	432.11	477.41	365.92	42.50	ppb
Terbium	159-1				110		%
Terbium	159-2				106		%
Thallium	203-1	0.71	0.76	0.75	0.74	3.25	ppb
Thallium	205-1	0.72	0.75	0.76	0.74	2.90	ppb
Tin	118-1	91.62	97.79	97.79	95.73	3.72	ppb
Titanium	47-1	132.40	142.85	141.64	138.97	4.11	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-06LX5	Instrumnet Name :	P7
Client Sample ID :	MJNKB1L	Dilution Factor :	5
Date & Time Acquired :	2024-12-27 18:46:48	DataFile Name :	073SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.85	0.88	0.89	0.87	2.57	ppb
Vanadium	51-2	8.81	8.87	8.74	8.81	0.73	ppb
Yttrium	89-1				111		%
Yttrium	89-2				105		%
Zinc	66-2	2267.69	2337.09	2298.61	2301.13	1.51	ppb
Zirconium	90-1	3.24	3.43	3.44	3.37	3.31	ppb
Zirconium	91-1	3.47	3.65	3.69	3.61	3.23	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-08	Instrumnet Name :	P7
Client Sample ID :	MJNKB1S	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:49:56	DataFile Name :	074SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	13963.59	13862.10	13775.31	13867.00	0.68	ppb
Antimony	121-1	2034.82	2231.42	2221.68	2162.64	5.12	ppb
Arsenic	75-2	5897.51	5992.18	5867.79	5919.16	1.10	ppb
Barium	135-1	575.64	633.58	628.50	612.57	5.24	ppb
Barium	137-1	573.95	624.08	619.82	605.95	4.59	ppb
Beryllium	9-1	10.55	11.75	11.79	11.36	6.22	ppb
Bismuth	209-1				114		%
Bismuth	209-2				108		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	101.84	108.72	109.90	106.82	4.07	ppb
Cadmium	106-1	99.75	108.79	109.49	106.01	5.13	ppb
Cadmium	111-1	98.98	107.28	108.09	104.78	4.81	ppb
Calcium	43-1	42222.55	45853.87	46064.30	44713.57	4.83	ppb
Calcium	44-1	41430.60	45655.82	45599.33	44228.58	5.48	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	155.34	154.70	152.94	154.33	0.81	ppb
Cobalt	59-2	281.50	282.20	281.51	281.74	0.14	ppb
Copper	63-2	2153.97	2170.60	2187.43	2170.67	0.77	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				113		%
Holmium	165-2				107		%
Indium	115-1				125		%
Indium	115-2				118		%
Iron	56-2	164538.62	163173.34	161783.78	163165.25	0.84	ppb
Iron	57-2	162200.07	162121.09	160869.26	161730.14	0.46	ppb
Iron	54-2	165457.37	163680.33	162468.18	163868.62	0.92	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-08	Instrumnet Name :	P7
Client Sample ID :	MJNKB1S	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:49:56	DataFile Name :	074SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	3038.51	3300.60	3337.21	3225.44	5.05	ppb
Lead	207-1	3004.70	3240.62	3227.93	3157.75	4.20	ppb
Lead	208-1	2997.84	3262.90	3267.93	3176.22	4.86	ppb
Lithium	6-1				104		%
Magnesium	24-2	6319.15	6303.40	6257.22	6293.26	0.51	ppb
Manganese	55-2	759.91	750.09	756.39	755.46	0.66	ppb
Molybdenum	94-1	328.69	359.26	354.18	347.37	4.72	ppb
Molybdenum	95-1	368.12	394.92	399.49	387.51	4.37	ppb
Molybdenum	96-1	368.42	393.81	392.28	384.84	3.70	ppb
Molybdenum	97-1	365.10	401.47	396.37	387.64	5.08	ppb
Molybdenum	98-1	366.22	396.04	391.08	384.45	4.16	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	174.06	173.98	171.86	173.30	0.72	ppb
Phosphorus	31-2	1004.58	964.80	983.08	984.15	2.02	ppb
Potassium	39-2	3379.73	3347.17	3296.52	3341.14	1.25	ppb
Rhodium	103-1				108		%
Rhodium	103-2				104		%
Scandium	45-1				109		%
Scandium	45-2				106		%
Selenium	82-1	210.84	224.08	225.76	220.23	3.71	ppb
Selenium	77-2	230.75	233.46	227.47	230.56	1.30	ppb
Selenium	78-2	230.96	243.90	235.40	236.75	2.78	ppb
Silicon	28-1	1468.08	1492.34	1544.08	1501.50	2.59	ppb
Silver	107-1	14.28	15.67	15.80	15.25	5.51	ppb
Silver	109-1	14.39	15.54	15.61	15.18	4.53	ppb
Sodium	23-2	11088.09	10996.30	10939.49	11007.96	0.68	ppb
Strontium	86-1	5019.30	5436.10	5405.40	5286.93	4.39	ppb
Strontium	88-1	5141.85	5557.45	5577.09	5425.46	4.53	ppb
Sulfur	34-1	3140.07	3847.57	3832.45	3606.69	11.21	ppb
Terbium	159-1				112		%
Terbium	159-2				107		%
Thallium	203-1	166.10	183.80	180.96	176.95	5.37	ppb
Thallium	205-1	165.39	181.19	184.15	176.91	5.70	ppb
Tin	118-1	448.41	492.02	492.06	477.50	5.28	ppb
Titanium	47-1	614.13	679.27	684.15	659.18	5.93	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-08	Instrumnet Name :	P7
Client Sample ID :	MJNKB1S	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:49:56	DataFile Name :	074SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	3.85	4.24	4.22	4.10	5.36	ppb
Vanadium	51-2	141.65	141.27	140.01	140.98	0.61	ppb
Yttrium	89-1				114		%
Yttrium	89-2				107		%
Zinc	66-2	10931.66	10857.16	10918.96	10902.59	0.37	ppb
Zirconium	90-1	15.17	16.64	16.61	16.14	5.21	ppb
Zirconium	91-1	19.83	18.00	18.04	18.63	5.62	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5352-04	Instrumnet Name :	P7
Client Sample ID :	ME2926	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:52:48	DataFile Name :	075SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	21143.73	21370.32	21002.12	21172.06	0.88	ppb
Antimony	121-1	1.14	1.04	0.96	1.05	8.57	ppb
Arsenic	75-2	16.76	16.53	16.51	16.60	0.83	ppb
Barium	135-1	246.64	246.12	247.61	246.79	0.31	ppb
Barium	137-1	250.44	251.28	250.16	250.63	0.23	ppb
Beryllium	9-1	1.36	1.21	1.27	1.28	6.00	ppb
Bismuth	209-1				107		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.19	1.04	0.95	1.06	11.57	ppb
Cadmium	106-1	2.35	2.11	1.01	1.82	39.03	ppb
Cadmium	111-1	0.53	0.54	0.52	0.53	1.62	ppb
Calcium	43-1	89903.83	90218.71	89892.78	90005.11	0.21	ppb
Calcium	44-1	89203.90	89926.99	90067.15	89732.68	0.52	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	43.87	43.47	43.11	43.48	0.87	ppb
Cobalt	59-2	28.10	27.91	28.00	28.00	0.33	ppb
Copper	63-2	49.45	49.42	49.38	49.42	0.07	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				110		%
Holmium	165-2				106		%
Indium	115-1				105		%
Indium	115-2				98		%
Iron	56-2	53948.36	53710.53	53763.59	53807.49	0.23	ppb
Iron	57-2	53318.11	54170.02	53257.77	53581.97	0.95	ppb
Iron	54-2	54271.43	54175.30	54118.53	54188.42	0.14	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5352-04	Instrumnet Name :	P7
Client Sample ID :	ME2926	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:52:48	DataFile Name :	075SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	36.48	36.86	36.30	36.55	0.78	ppb
Lead	207-1	33.32	33.50	33.08	33.30	0.64	ppb
Lead	208-1	34.55	34.79	34.37	34.57	0.61	ppb
Lithium	6-1				105		%
Magnesium	24-2	35469.27	35259.95	34916.16	35215.13	0.79	ppb
Manganese	55-2	938.81	942.53	939.08	940.14	0.22	ppb
Molybdenum	94-1	14.17	14.22	14.29	14.23	0.41	ppb
Molybdenum	95-1	2.81	2.82	2.90	2.85	1.71	ppb
Molybdenum	96-1	4.41	4.39	4.40	4.40	0.19	ppb
Molybdenum	97-1	2.82	2.80	2.96	2.86	3.15	ppb
Molybdenum	98-1	2.85	2.88	2.81	2.85	1.36	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	71.87	72.59	72.22	72.22	0.49	ppb
Phosphorus	31-2	1068.22	1047.45	1021.40	1045.69	2.24	ppb
Potassium	39-2	3463.48	3444.67	3506.49	3471.55	0.91	ppb
Rhodium	103-1				102		%
Rhodium	103-2				100		%
Scandium	45-1				103		%
Scandium	45-2				97		%
Selenium	82-1	1.10	1.43	1.15	1.23	14.51	ppb
Selenium	77-2	9.90	9.40	10.61	9.97	6.11	ppb
Selenium	78-2	1.08	1.21	0.57	0.95	35.65	ppb
Silicon	28-1	266.38	255.27	278.37	266.67	4.33	ppb
Silver	107-1	0.21	0.18	0.16	0.18	14.60	ppb
Silver	109-1	0.19	0.16	0.14	0.16	15.79	ppb
Sodium	23-2	258.15	258.87	260.12	259.04	0.38	ppb
Strontium	86-1	3003.88	3023.59	3069.10	3032.19	1.10	ppb
Strontium	88-1	3137.29	3136.99	3088.72	3121.00	0.90	ppb
Sulfur	34-1	1062.29	1072.48	1250.67	1128.48	9.39	ppb
Terbium	159-1				109		%
Terbium	159-2				104		%
Thallium	203-1	0.47	0.44	0.42	0.44	5.63	ppb
Thallium	205-1	0.47	0.43	0.43	0.45	4.75	ppb
Tin	118-1	1.20	1.15	1.12	1.16	3.60	ppb
Titanium	47-1	242.66	241.22	246.02	243.30	1.01	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5352-04	Instrumnet Name :	P7
Client Sample ID :	ME2926	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:52:48	DataFile Name :	075SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.70	1.72	1.72	1.71	0.51	ppb
Vanadium	51-2	54.31	53.79	54.21	54.11	0.51	ppb
Yttrium	89-1				110		%
Yttrium	89-2				103		%
Zinc	66-2	159.52	158.52	158.31	158.78	0.41	ppb
Zirconium	90-1	6.40	6.55	6.69	6.55	2.22	ppb
Zirconium	91-1	6.47	6.56	7.18	6.73	5.74	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5352-05	Instrumnet Name :	P7
Client Sample ID :	ME2926D	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:56:00	DataFile Name :	076SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	20890.77	20788.36	21006.79	20895.31	0.52	ppb
Antimony	121-1	0.56	0.54	0.55	0.55	1.88	ppb
Arsenic	75-2	16.31	16.29	16.26	16.29	0.16	ppb
Barium	135-1	242.06	242.95	241.39	242.14	0.32	ppb
Barium	137-1	244.05	244.61	243.86	244.17	0.16	ppb
Beryllium	9-1	1.27	1.24	1.30	1.27	2.14	ppb
Bismuth	209-1				108		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.00	0.90	0.95	0.95	5.01	ppb
Cadmium	106-1	1.75	1.59	0.70	1.34	42.11	ppb
Cadmium	111-1	0.47	0.47	0.47	0.47	0.12	ppb
Calcium	43-1	86533.48	89221.23	89307.20	88353.97	1.79	ppb
Calcium	44-1	87106.03	88221.85	88308.90	87878.93	0.76	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	42.88	43.07	43.05	43.00	0.24	ppb
Cobalt	59-2	27.66	27.28	27.61	27.51	0.74	ppb
Copper	63-2	49.17	48.91	49.09	49.05	0.27	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				110		%
Holmium	165-2				104		%
Indium	115-1				103		%
Indium	115-2				97		%
Iron	56-2	53488.11	53202.49	53122.65	53271.08	0.36	ppb
Iron	57-2	53336.85	53126.88	53377.44	53280.39	0.25	ppb
Iron	54-2	53248.52	53299.41	53783.37	53443.76	0.55	ppb
Krypton	83-1						cps

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5352-05	Instrumnet Name :	P7
Client Sample ID :	ME2926D	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:56:00	DataFile Name :	076SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	35.09	35.13	35.49	35.24	0.63	ppb
Lead	207-1	31.84	31.66	32.50	32.00	1.37	ppb
Lead	208-1	33.00	33.21	33.70	33.30	1.09	ppb
Lithium	6-1				104		%
Magnesium	24-2	34486.85	34598.46	34526.89	34537.40	0.16	ppb
Manganese	55-2	929.93	928.87	945.76	934.85	1.01	ppb
Molybdenum	94-1	13.73	14.22	14.09	14.01	1.78	ppb
Molybdenum	95-1	2.63	2.72	2.73	2.69	1.95	ppb
Molybdenum	96-1	4.25	4.27	4.30	4.27	0.58	ppb
Molybdenum	97-1	2.69	2.76	2.77	2.74	1.62	ppb
Molybdenum	98-1	2.65	2.75	2.73	2.71	1.87	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	70.74	70.81	71.21	70.92	0.36	ppb
Phosphorus	31-2	1028.46	1028.83	990.21	1015.83	2.18	ppb
Potassium	39-2	3328.70	3338.72	3343.87	3337.10	0.23	ppb
Rhodium	103-1				101		%
Rhodium	103-2				98		%
Scandium	45-1				99		%
Scandium	45-2				94		%
Selenium	82-1	1.18	0.60	0.83	0.87	33.58	ppb
Selenium	77-2	7.82	8.63	8.28	8.24	4.94	ppb
Selenium	78-2	1.12	1.34	1.58	1.35	17.12	ppb
Silicon	28-1	217.15	251.32	265.94	244.80	10.23	ppb
Silver	107-1	0.14	0.13	0.14	0.13	4.16	ppb
Silver	109-1	0.13	0.14	0.13	0.13	4.95	ppb
Sodium	23-2	257.56	253.37	256.43	255.79	0.85	ppb
Strontium	86-1	2952.06	3003.44	3009.02	2988.17	1.05	ppb
Strontium	88-1	3050.22	3052.64	3049.17	3050.68	0.06	ppb
Sulfur	34-1	1081.64	1258.68	1287.34	1209.22	9.21	ppb
Terbium	159-1				109		%
Terbium	159-2				104		%
Thallium	203-1	0.38	0.37	0.40	0.39	3.64	ppb
Thallium	205-1	0.39	0.40	0.39	0.39	1.16	ppb
Tin	118-1	1.03	0.99	1.00	1.01	2.29	ppb
Titanium	47-1	236.37	240.70	236.74	237.93	1.01	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5352-05	Instrumnet Name :	P7
Client Sample ID :	ME2926D	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:56:00	DataFile Name :	076SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.66	1.71	1.75	1.71	2.68	ppb
Vanadium	51-2	52.97	53.74	53.59	53.43	0.77	ppb
Yttrium	89-1				108		%
Yttrium	89-2				101		%
Zinc	66-2	157.40	156.44	156.37	156.74	0.37	ppb
Zirconium	90-1	6.31	6.44	6.48	6.41	1.43	ppb
Zirconium	91-1	6.52	6.50	6.56	6.53	0.43	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5352-04LX5	Instrumnet Name :	P7
Client Sample ID :	ME2926L	Dilution Factor :	5
Date & Time Acquired :	2024-12-27 18:59:14	DataFile Name :	077SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4433.87	4387.28	4437.57	4419.58	0.63	ppb
Antimony	121-1	0.15	0.14	0.14	0.14	3.95	ppb
Arsenic	75-2	3.65	3.49	3.18	3.44	6.87	ppb
Barium	135-1	49.89	50.33	49.54	49.92	0.80	ppb
Barium	137-1	50.66	51.31	50.72	50.90	0.71	ppb
Beryllium	9-1	0.25	0.26	0.31	0.27	10.15	ppb
Bismuth	209-1				107		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.16	0.15	0.20	0.17	17.54	ppb
Cadmium	106-1	0.55	0.24	0.40	0.40	38.29	ppb
Cadmium	111-1	0.11	0.11	0.10	0.11	1.33	ppb
Calcium	43-1	18686.23	18611.37	18528.62	18608.74	0.42	ppb
Calcium	44-1	18237.19	18243.64	18273.21	18251.35	0.11	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	8.85	9.04	8.88	8.92	1.12	ppb
Cobalt	59-2	5.89	5.75	5.76	5.80	1.35	ppb
Copper	63-2	10.30	10.25	10.36	10.30	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				107		%
Holmium	165-2				103		%
Indium	115-1				102		%
Indium	115-2				98		%
Iron	56-2	11327.09	11034.00	11087.67	11149.59	1.40	ppb
Iron	57-2	11295.00	11085.45	11122.91	11167.79	1.00	ppb
Iron	54-2	11352.69	11215.50	11219.83	11262.67	0.69	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5352-04LX5	Instrumnet Name :	P7
Client Sample ID :	ME2926L	Dilution Factor :	5
Date & Time Acquired :	2024-12-27 18:59:14	DataFile Name :	077SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	7.27	7.27	7.28	7.27	0.07	ppb
Lead	207-1	6.55	6.57	6.57	6.57	0.17	ppb
Lead	208-1	6.82	6.83	6.87	6.84	0.40	ppb
Lithium	6-1				102		%
Magnesium	24-2	7467.05	7240.71	7132.45	7280.07	2.35	ppb
Manganese	55-2	192.74	190.96	190.15	191.28	0.69	ppb
Molybdenum	94-1	2.85	2.91	2.89	2.88	0.99	ppb
Molybdenum	95-1	0.54	0.58	0.54	0.55	3.92	ppb
Molybdenum	96-1	0.88	0.86	0.90	0.88	1.85	ppb
Molybdenum	97-1	0.55	0.60	0.55	0.57	5.20	ppb
Molybdenum	98-1	0.55	0.59	0.54	0.56	4.44	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	14.91	14.68	14.93	14.84	0.94	ppb
Phosphorus	31-2	195.37	204.88	208.71	202.99	3.38	ppb
Potassium	39-2	726.27	720.11	717.42	721.27	0.63	ppb
Rhodium	103-1				101		%
Rhodium	103-2				101		%
Scandium	45-1				99		%
Scandium	45-2				95		%
Selenium	82-1	-0.33	0.25	0.10	0.01	4886.14	ppb
Selenium	77-2	1.41	2.04	2.99	2.15	37.14	ppb
Selenium	78-2	-0.61	-0.66	-0.34	-0.54		ppb
Silicon	28-1	50.20	46.50	60.05	52.25	13.41	ppb
Silver	107-1	0.03	0.02	0.03	0.03	13.13	ppb
Silver	109-1	0.03	0.02	0.03	0.03	14.25	ppb
Sodium	23-2	65.77	63.55	63.12	64.15	2.21	ppb
Strontium	86-1	638.62	639.14	626.41	634.73	1.14	ppb
Strontium	88-1	625.40	635.42	625.47	628.76	0.92	ppb
Sulfur	34-1	367.35	274.80	240.49	294.21	22.30	ppb
Terbium	159-1				107		%
Terbium	159-2				104		%
Thallium	203-1	0.07	0.07	0.07	0.07	2.26	ppb
Thallium	205-1	0.07	0.06	0.07	0.07	6.99	ppb
Tin	118-1	0.25	0.25	0.22	0.24	5.76	ppb
Titanium	47-1	50.12	48.13	49.17	49.14	2.02	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5352-04LX5	Instrumnet Name :	P7
Client Sample ID :	ME2926L	Dilution Factor :	5
Date & Time Acquired :	2024-12-27 18:59:14	DataFile Name :	077SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.33	0.34	0.34	0.34	0.88	ppb
Vanadium	51-2	11.06	11.29	11.29	11.21	1.18	ppb
Yttrium	89-1				104		%
Yttrium	89-2				99		%
Zinc	66-2	33.93	33.20	33.13	33.42	1.34	ppb
Zirconium	90-1	1.43	1.36	1.33	1.37	3.79	ppb
Zirconium	91-1	1.37	1.37	1.34	1.36	1.21	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5352-06	Instrumnet Name :	P7
Client Sample ID :	ME2926S	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:02:30	DataFile Name :	078SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	21400.75	21744.43	21542.36	21562.51	0.80	ppb
Antimony	121-1	0.49	0.50	0.48	0.49	1.50	ppb
Arsenic	75-2	221.03	222.38	227.62	223.68	1.56	ppb
Barium	135-1	650.57	649.66	653.91	651.38	0.34	ppb
Barium	137-1	658.05	652.09	652.51	654.22	0.51	ppb
Beryllium	9-1	10.96	10.93	11.26	11.05	1.63	ppb
Bismuth	209-1				108		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	92.08	95.34	94.31	93.91	1.78	ppb
Cadmium	106-1	91.64	92.36	93.39	92.46	0.95	ppb
Cadmium	111-1	97.08	96.91	96.86	96.95	0.12	ppb
Calcium	43-1	88242.98	89244.04	89423.37	88970.13	0.71	ppb
Calcium	44-1	87867.63	89275.43	89138.06	88760.37	0.87	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	83.80	82.37	83.78	83.32	0.98	ppb
Cobalt	59-2	125.94	126.65	126.90	126.50	0.39	ppb
Copper	63-2	97.29	96.69	96.99	96.99	0.31	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				110		%
Holmium	165-2				105		%
Indium	115-1				102		%
Indium	115-2				96		%
Iron	56-2	54067.22	54198.64	54173.30	54146.39	0.13	ppb
Iron	57-2	53718.22	53813.56	54368.79	53966.86	0.65	ppb
Iron	54-2	54195.62	54817.54	54255.60	54422.92	0.63	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5352-06	Instrumnet Name :	P7
Client Sample ID :	ME2926S	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:02:30	DataFile Name :	078SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	211.19	218.27	213.28	214.25	1.70	ppb
Lead	207-1	185.43	188.11	185.69	186.41	0.79	ppb
Lead	208-1	200.32	201.97	201.49	201.26	0.42	ppb
Lithium	6-1				103		%
Magnesium	24-2	34944.44	34985.03	35171.51	35033.66	0.35	ppb
Manganese	55-2	1049.42	1061.16	1043.90	1051.49	0.84	ppb
Molybdenum	94-1	15.33	16.00	15.35	15.56	2.46	ppb
Molybdenum	95-1	4.55	4.50	4.57	4.54	0.72	ppb
Molybdenum	96-1	6.13	6.19	6.11	6.15	0.68	ppb
Molybdenum	97-1	4.60	4.58	4.61	4.59	0.33	ppb
Molybdenum	98-1	4.60	4.56	4.58	4.58	0.41	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	171.42	171.62	172.92	171.99	0.47	ppb
Phosphorus	31-2	1022.77	1041.49	1033.11	1032.46	0.91	ppb
Potassium	39-2	3508.18	3464.93	3508.25	3493.79	0.72	ppb
Rhodium	103-1				100		%
Rhodium	103-2				98		%
Scandium	45-1				99		%
Scandium	45-2				94		%
Selenium	82-1	218.67	218.07	219.47	218.74	0.32	ppb
Selenium	77-2	233.64	227.56	230.82	230.67	1.32	ppb
Selenium	78-2	224.36	223.72	225.82	224.63	0.48	ppb
Silicon	28-1	345.23	331.31	358.37	344.97	3.92	ppb
Silver	107-1	9.96	10.08	10.08	10.04	0.71	ppb
Silver	109-1	10.00	9.96	10.03	10.00	0.30	ppb
Sodium	23-2	267.93	272.59	316.23	285.58	9.33	ppb
Strontium	86-1	2996.94	2976.09	2994.55	2989.19	0.38	ppb
Strontium	88-1	3039.77	3021.57	3031.74	3031.03	0.30	ppb
Sulfur	34-1	1201.07	1201.15	1206.41	1202.88	0.25	ppb
Terbium	159-1				108		%
Terbium	159-2				104		%
Thallium	203-1	187.56	188.45	187.38	187.80	0.30	ppb
Thallium	205-1	184.81	186.56	184.59	185.32	0.58	ppb
Tin	118-1	1.05	1.06	1.05	1.05	0.38	ppb
Titanium	47-1	247.86	254.28	244.80	248.98	1.94	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5352-06	Instrumnet Name :	P7
Client Sample ID :	ME2926S	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:02:30	DataFile Name :	078SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.71	1.75	1.69	1.71	1.79	ppb
Vanadium	51-2	152.25	152.65	153.09	152.66	0.27	ppb
Yttrium	89-1				108		%
Yttrium	89-2				101		%
Zinc	66-2	260.18	257.15	259.71	259.02	0.63	ppb
Zirconium	90-1	6.46	6.55	6.53	6.51	0.69	ppb
Zirconium	91-1	6.60	6.33	6.52	6.48	2.14	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5363-06	Instrumnet Name :	P7
Client Sample ID :	MJNKA6	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:05:37	DataFile Name :	079SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	8223.69	8280.64	8298.18	8267.50	0.47	ppb
Antimony	121-1	136.00	138.23	138.13	137.46	0.92	ppb
Arsenic	75-2	214.55	214.91	219.60	216.35	1.30	ppb
Barium	135-1	98.41	100.27	99.14	99.28	0.95	ppb
Barium	137-1	101.04	101.06	101.07	101.06	0.02	ppb
Beryllium	9-1	0.26	0.23	0.27	0.25	7.89	ppb
Bismuth	209-1				112		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.16	2.34	2.15	2.22	4.95	ppb
Cadmium	106-1	2.32	3.09	2.06	2.49	21.48	ppb
Cadmium	111-1	1.36	1.40	1.39	1.38	1.16	ppb
Calcium	43-1	28995.45	28960.48	29160.61	29038.85	0.37	ppb
Calcium	44-1	28600.92	28455.69	28347.53	28468.05	0.45	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	27.85	27.74	27.93	27.84	0.35	ppb
Cobalt	59-2	34.02	33.88	34.33	34.08	0.68	ppb
Copper	63-2	513.14	505.65	507.85	508.88	0.76	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				109		%
Holmium	165-2				105		%
Indium	115-1				104		%
Indium	115-2				100		%
Iron	56-2	32395.65	32529.14	32623.46	32516.08	0.35	ppb
Iron	57-2	32083.78	32164.57	32486.68	32245.01	0.66	ppb
Iron	54-2	32494.71	32460.09	32603.60	32519.46	0.23	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5363-06	Instrumnet Name :	P7
Client Sample ID :	MJNKA6	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:05:37	DataFile Name :	079SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	362.76	364.95	374.41	367.37	1.68	ppb
Lead	207-1	356.62	351.83	364.07	357.51	1.73	ppb
Lead	208-1	358.67	356.86	365.59	360.37	1.28	ppb
Lithium	6-1				103		%
Magnesium	24-2	5629.16	5617.98	5566.92	5604.69	0.59	ppb
Manganese	55-2	272.74	273.55	274.52	273.60	0.33	ppb
Molybdenum	94-1	10.98	10.96	11.55	11.16	3.00	ppb
Molybdenum	95-1	6.52	6.54	6.80	6.62	2.35	ppb
Molybdenum	96-1	7.24	7.41	7.49	7.38	1.73	ppb
Molybdenum	97-1	6.62	6.84	6.88	6.78	2.09	ppb
Molybdenum	98-1	6.59	6.71	6.87	6.72	2.05	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	22.24	22.09	22.61	22.31	1.22	ppb
Phosphorus	31-2	930.45	891.61	933.39	918.48	2.54	ppb
Potassium	39-2	2174.08	2191.07	2134.84	2166.67	1.33	ppb
Rhodium	103-1				101		%
Rhodium	103-2				101		%
Scandium	45-1				98		%
Scandium	45-2				94		%
Selenium	82-1	0.83	1.13	1.10	1.02	16.65	ppb
Selenium	77-2	4.34	3.75	4.25	4.12	7.78	ppb
Selenium	78-2	0.60	0.65	-0.10	0.38	109.41	ppb
Silicon	28-1	273.39	306.89	288.62	289.63	5.79	ppb
Silver	107-1	1.52	1.50	1.53	1.52	0.80	ppb
Silver	109-1	1.50	1.52	1.50	1.51	0.72	ppb
Sodium	23-2	12083.02	12039.92	12221.66	12114.86	0.78	ppb
Strontium	86-1	5199.43	5228.82	5330.30	5252.85	1.31	ppb
Strontium	88-1	5306.40	5364.67	5298.74	5323.27	0.68	ppb
Sulfur	34-1	4010.70	3925.33	4025.41	3987.15	1.36	ppb
Terbium	159-1				108		%
Terbium	159-2				105		%
Thallium	203-1	0.30	0.27	0.28	0.28	4.31	ppb
Thallium	205-1	0.29	0.29	0.29	0.29	0.89	ppb
Tin	118-1	37.90	38.71	38.47	38.36	1.09	ppb
Titanium	47-1	512.19	509.07	514.62	511.96	0.54	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5363-06	Instrumnet Name :	P7
Client Sample ID :	MJNKA6	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:05:37	DataFile Name :	079SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.37	1.36	1.37	1.37	0.58	ppb
Vanadium	51-2	38.16	38.52	38.41	38.36	0.48	ppb
Yttrium	89-1				104		%
Yttrium	89-2				99		%
Zinc	66-2	1756.21	1774.37	1765.04	1765.21	0.51	ppb
Zirconium	90-1	2.97	3.06	3.08	3.03	1.99	ppb
Zirconium	91-1	3.02	3.04	3.05	3.03	0.51	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5363-07	Instrumnet Name :	P7
Client Sample ID :	MJNKA6D	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:08:43	DataFile Name :	080SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	8228.86	8274.33	8272.53	8258.57	0.31	ppb
Antimony	121-1	140.17	139.20	139.19	139.52	0.40	ppb
Arsenic	75-2	219.81	216.80	219.17	218.59	0.73	ppb
Barium	135-1	100.06	100.06	99.88	100.00	0.10	ppb
Barium	137-1	100.67	101.55	100.90	101.04	0.45	ppb
Beryllium	9-1	0.25	0.25	0.28	0.26	7.98	ppb
Bismuth	209-1				111		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.11	1.80	1.91	1.94	8.23	ppb
Cadmium	106-1	1.75	1.87	0.96	1.52	32.41	ppb
Cadmium	111-1	1.31	1.32	1.36	1.33	2.23	ppb
Calcium	43-1	28859.58	29343.80	29287.61	29163.66	0.91	ppb
Calcium	44-1	28157.95	28583.22	28458.09	28399.75	0.77	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	27.99	27.81	28.14	27.98	0.59	ppb
Cobalt	59-2	34.09	34.10	34.42	34.20	0.56	ppb
Copper	63-2	507.18	506.73	512.33	508.75	0.61	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				110		%
Holmium	165-2				104		%
Indium	115-1				105		%
Indium	115-2				101		%
Iron	56-2	32564.50	32400.08	32836.87	32600.48	0.68	ppb
Iron	57-2	31932.26	31992.94	32528.26	32151.16	1.02	ppb
Iron	54-2	32869.79	32972.61	33202.65	33015.02	0.52	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5363-07	Instrumnet Name :	P7
Client Sample ID :	MJNKA6D	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:08:43	DataFile Name :	080SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	370.04	376.95	371.04	372.68	1.00	ppb
Lead	207-1	362.28	368.78	370.52	367.19	1.18	ppb
Lead	208-1	363.93	369.30	367.20	366.81	0.74	ppb
Lithium	6-1				102		%
Magnesium	24-2	5644.75	5595.23	5692.74	5644.24	0.86	ppb
Manganese	55-2	273.62	276.30	276.53	275.48	0.59	ppb
Molybdenum	94-1	10.59	10.90	11.02	10.84	2.05	ppb
Molybdenum	95-1	6.54	6.73	6.51	6.59	1.86	ppb
Molybdenum	96-1	7.35	7.34	7.40	7.36	0.40	ppb
Molybdenum	97-1	6.72	6.78	6.71	6.74	0.53	ppb
Molybdenum	98-1	6.57	6.74	6.71	6.67	1.35	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	22.24	22.36	22.67	22.42	1.00	ppb
Phosphorus	31-2	899.45	923.03	916.40	912.96	1.33	ppb
Potassium	39-2	2174.39	2189.40	2218.23	2194.01	1.02	ppb
Rhodium	103-1				102		%
Rhodium	103-2				102		%
Scandium	45-1				99		%
Scandium	45-2				96		%
Selenium	82-1	0.94	1.18	0.95	1.02	13.31	ppb
Selenium	77-2	3.40	4.91	3.85	4.05	19.15	ppb
Selenium	78-2	0.61	0.28	-0.67	0.07	923.67	ppb
Silicon	28-1	271.42	288.95	246.12	268.83	8.01	ppb
Silver	107-1	1.52	1.53	1.51	1.52	0.69	ppb
Silver	109-1	1.50	1.53	1.52	1.51	1.14	ppb
Sodium	23-2	12205.97	12208.60	12367.16	12260.57	0.75	ppb
Strontium	86-1	5165.73	5236.79	5222.14	5208.22	0.72	ppb
Strontium	88-1	5289.34	5407.50	5343.45	5346.76	1.11	ppb
Sulfur	34-1	3834.21	3866.38	3932.70	3877.76	1.30	ppb
Terbium	159-1				108		%
Terbium	159-2				105		%
Thallium	203-1	0.24	0.24	0.24	0.24	0.38	ppb
Thallium	205-1	0.24	0.25	0.23	0.24	4.41	ppb
Tin	118-1	38.56	38.54	38.01	38.37	0.81	ppb
Titanium	47-1	514.40	518.40	515.26	516.02	0.41	ppb

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On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5363-07	Instrumnet Name :	P7
Client Sample ID :	MJNKA6D	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:08:43	DataFile Name :	080SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.37	1.38	1.37	1.37	0.67	ppb
Vanadium	51-2	38.40	38.61	39.07	38.69	0.89	ppb
Yttrium	89-1				107		%
Yttrium	89-2				101		%
Zinc	66-2	1746.96	1762.21	1755.25	1754.81	0.44	ppb
Zirconium	90-1	2.95	3.04	2.96	2.98	1.69	ppb
Zirconium	91-1	3.20	3.09	3.12	3.14	1.90	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5363-06LX5	Instrumnet Name :	P7
Client Sample ID :	MJNKA6L	Dilution Factor :	5
Date & Time Acquired :	2024-12-27 19:11:51	DataFile Name :	081SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1620.85	1614.60	1608.61	1614.69	0.38	ppb
Antimony	121-1	26.95	27.03	26.82	26.93	0.39	ppb
Arsenic	75-2	44.51	44.52	43.79	44.28	0.95	ppb
Barium	135-1	20.28	20.33	19.99	20.20	0.92	ppb
Barium	137-1	20.62	20.82	20.36	20.60	1.11	ppb
Beryllium	9-1	0.02	0.04	0.07	0.04	61.05	ppb
Bismuth	209-1				106		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.25	0.37	0.43	0.35	26.68	ppb
Cadmium	106-1	0.63	0.68	-0.53	0.26	262.00	ppb
Cadmium	111-1	0.29	0.28	0.27	0.28	3.83	ppb
Calcium	43-1	5893.57	5898.26	5964.41	5918.75	0.67	ppb
Calcium	44-1	5765.13	5817.51	5716.91	5766.51	0.87	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	5.57	5.53	5.61	5.57	0.73	ppb
Cobalt	59-2	6.92	6.91	6.93	6.92	0.20	ppb
Copper	63-2	101.63	102.06	101.95	101.88	0.22	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				102		%
Indium	115-1				103		%
Indium	115-2				99		%
Iron	56-2	6552.49	6575.72	6602.21	6576.81	0.38	ppb
Iron	57-2	6577.75	6560.60	6590.66	6576.34	0.23	ppb
Iron	54-2	6796.91	6651.35	6682.30	6710.19	1.14	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5363-06LX5	Instrumnet Name :	P7
Client Sample ID :	MJNKA6L	Dilution Factor :	5
Date & Time Acquired :	2024-12-27 19:11:51	DataFile Name :	081SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	71.67	72.29	72.48	72.15	0.59	ppb
Lead	207-1	69.02	69.43	69.81	69.42	0.57	ppb
Lead	208-1	69.62	70.59	70.67	70.29	0.83	ppb
Lithium	6-1				101		%
Magnesium	24-2	1074.11	1081.84	1075.21	1077.05	0.39	ppb
Manganese	55-2	55.41	55.81	55.90	55.71	0.47	ppb
Molybdenum	94-1	2.11	2.20	2.16	2.16	2.10	ppb
Molybdenum	95-1	1.33	1.41	1.33	1.36	3.35	ppb
Molybdenum	96-1	1.47	1.47	1.47	1.47	0.27	ppb
Molybdenum	97-1	1.36	1.40	1.41	1.39	1.76	ppb
Molybdenum	98-1	1.30	1.36	1.36	1.34	2.68	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	4.53	4.39	4.72	4.54	3.61	ppb
Phosphorus	31-2	164.11	170.99	167.81	167.64	2.05	ppb
Potassium	39-2	450.13	451.78	457.68	453.20	0.88	ppb
Rhodium	103-1				103		%
Rhodium	103-2				102		%
Scandium	45-1				100		%
Scandium	45-2				97		%
Selenium	82-1	0.40	0.43	0.00	0.28	86.91	ppb
Selenium	77-2	0.63	1.24	1.24	1.03	34.08	ppb
Selenium	78-2	1.20	-0.08	0.29	0.47	139.79	ppb
Silicon	28-1	54.04	73.13	54.81	60.66	17.81	ppb
Silver	107-1	0.30	0.30	0.29	0.30	1.81	ppb
Silver	109-1	0.32	0.30	0.30	0.31	2.52	ppb
Sodium	23-2	2490.28	2488.33	2476.82	2485.15	0.29	ppb
Strontium	86-1	1044.31	1064.41	1079.57	1062.76	1.66	ppb
Strontium	88-1	1073.81	1089.09	1093.54	1085.48	0.95	ppb
Sulfur	34-1	787.63	802.66	763.97	784.75	2.49	ppb
Terbium	159-1				106		%
Terbium	159-2				103		%
Thallium	203-1	0.03	0.04	0.03	0.03	4.91	ppb
Thallium	205-1	0.04	0.04	0.04	0.04	1.95	ppb
Tin	118-1	7.72	7.81	7.84	7.79	0.81	ppb
Titanium	47-1	106.21	104.32	104.46	105.00	1.00	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5363-06LX5	Instrumnet Name :	P7
Client Sample ID :	MJNKA6L	Dilution Factor :	5
Date & Time Acquired :	2024-12-27 19:11:51	DataFile Name :	081SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.27	0.27	0.29	0.28	3.84	ppb
Vanadium	51-2	7.79	7.81	7.95	7.85	1.07	ppb
Yttrium	89-1				104		%
Yttrium	89-2				100		%
Zinc	66-2	355.37	353.94	354.53	354.61	0.20	ppb
Zirconium	90-1	0.62	0.58	0.58	0.59	4.54	ppb
Zirconium	91-1	0.63	0.60	0.59	0.61	3.07	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5363-06RE	Instrumnet Name :	P7
Client Sample ID :	MJNKA6	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:15:06	DataFile Name :	082SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	8310.40	8128.42	8190.27	8209.70	1.13	ppb
Antimony	121-1	134.29	136.37	136.80	135.82	0.99	ppb
Arsenic	75-2	216.62	217.54	215.58	216.58	0.45	ppb
Barium	135-1	98.63	100.69	99.05	99.46	1.09	ppb
Barium	137-1	99.67	101.48	100.55	100.56	0.90	ppb
Beryllium	9-1	0.21	0.26	0.24	0.24	12.29	ppb
Bismuth	209-1				109		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.92	2.25	2.61	2.26	15.09	ppb
Cadmium	106-1	2.88	2.82	2.16	2.62	15.21	ppb
Cadmium	111-1	1.33	1.37	1.36	1.35	1.35	ppb
Calcium	43-1	28554.50	28969.41	28633.83	28719.25	0.77	ppb
Calcium	44-1	27699.02	28512.40	28066.80	28092.74	1.45	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	27.73	27.81	27.78	27.77	0.14	ppb
Cobalt	59-2	34.11	34.10	34.14	34.12	0.06	ppb
Copper	63-2	508.09	517.11	504.24	509.81	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				110		%
Holmium	165-2				105		%
Indium	115-1				106		%
Indium	115-2				101		%
Iron	56-2	32565.00	32245.58	32396.36	32402.31	0.49	ppb
Iron	57-2	32120.32	32100.92	32253.77	32158.34	0.26	ppb
Iron	54-2	32562.39	32371.63	32520.76	32484.93	0.31	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5363-06RE	Instrumnet Name :	P7
Client Sample ID :	MJNKA6	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:15:06	DataFile Name :	082SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	364.15	365.15	371.11	366.81	1.03	ppb
Lead	207-1	351.87	358.01	366.01	358.63	1.98	ppb
Lead	208-1	355.51	358.71	364.09	359.44	1.21	ppb
Lithium	6-1				103		%
Magnesium	24-2	5658.56	5518.36	5586.53	5587.82	1.25	ppb
Manganese	55-2	272.58	273.67	271.63	272.63	0.37	ppb
Molybdenum	94-1	10.24	10.41	10.72	10.46	2.32	ppb
Molybdenum	95-1	6.44	6.57	6.55	6.52	1.03	ppb
Molybdenum	96-1	7.21	7.15	7.22	7.19	0.56	ppb
Molybdenum	97-1	6.55	6.54	6.70	6.59	1.34	ppb
Molybdenum	98-1	6.48	6.59	6.68	6.58	1.48	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	22.11	22.09	22.58	22.26	1.25	ppb
Phosphorus	31-2	931.40	910.93	933.56	925.30	1.35	ppb
Potassium	39-2	2201.34	2142.42	2170.93	2171.56	1.36	ppb
Rhodium	103-1				104		%
Rhodium	103-2				102		%
Scandium	45-1				101		%
Scandium	45-2				97		%
Selenium	82-1	1.32	0.94	0.65	0.97	34.77	ppb
Selenium	77-2	3.77	3.96	6.11	4.61	28.24	ppb
Selenium	78-2	1.07	1.05	0.21	0.78	63.62	ppb
Silicon	28-1	202.99	210.54	203.65	205.73	2.03	ppb
Silver	107-1	1.50	1.55	1.55	1.53	1.93	ppb
Silver	109-1	1.52	1.53	1.52	1.52	0.33	ppb
Sodium	23-2	12057.27	12066.99	12038.73	12054.33	0.12	ppb
Strontium	86-1	5185.57	5172.59	5259.98	5206.05	0.91	ppb
Strontium	88-1	5292.03	5313.08	5297.95	5301.02	0.20	ppb
Sulfur	34-1	3862.60	3817.00	3824.31	3834.64	0.64	ppb
Terbium	159-1				108		%
Terbium	159-2				104		%
Thallium	203-1	0.23	0.23	0.22	0.22	2.54	ppb
Thallium	205-1	0.22	0.23	0.23	0.23	1.75	ppb
Tin	118-1	37.95	38.47	38.12	38.18	0.70	ppb
Titanium	47-1	510.98	514.73	512.46	512.72	0.37	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5363-06RE	Instrumnet Name :	P7
Client Sample ID :	MJNKA6	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:15:06	DataFile Name :	082SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.38	1.35	1.39	1.38	1.46	ppb
Vanadium	51-2	38.62	38.13	38.17	38.31	0.71	ppb
Yttrium	89-1				107		%
Yttrium	89-2				102		%
Zinc	66-2	1758.73	1765.49	1754.75	1759.66	0.31	ppb
Zirconium	90-1	2.78	2.83	2.83	2.81	1.08	ppb
Zirconium	91-1	2.85	2.83	2.95	2.88	2.19	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5347-01	Instrumnet Name :	P7
Client Sample ID :	MJNBZ9	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:18:14	DataFile Name :	083SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	101.72	97.47	99.13	99.44	2.16	ppb
Antimony	121-1	0.26	0.23	0.23	0.24	6.94	ppb
Arsenic	75-2	0.68	0.61	0.59	0.63	7.55	ppb
Barium	135-1	1.02	1.11	1.03	1.05	4.68	ppb
Barium	137-1	1.06	1.08	1.06	1.07	0.75	ppb
Beryllium	9-1	0.03	-0.01	0.01	0.01	177.63	ppb
Bismuth	209-1				107		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.03	0.02	0.07	0.04	75.28	ppb
Cadmium	106-1	0.45	0.64	-1.24	-0.05		ppb
Cadmium	111-1	0.01	0.02	-0.02	0.01	393.13	ppb
Calcium	43-1	19394.47	19605.47	19681.18	19560.38	0.76	ppb
Calcium	44-1	19101.97	19439.00	19146.91	19229.30	0.95	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.66	0.63	0.64	0.64	2.52	ppb
Cobalt	59-2	0.23	0.23	0.23	0.23	0.77	ppb
Copper	63-2	5.50	5.52	5.58	5.53	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				106		%
Holmium	165-2				102		%
Indium	115-1				103		%
Indium	115-2				98		%
Iron	56-2	201.55	201.46	199.67	200.90	0.53	ppb
Iron	57-2	292.67	295.32	297.23	295.07	0.78	ppb
Iron	54-2	203.60	202.67	203.35	203.20	0.24	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5347-01	Instrumnet Name :	P7
Client Sample ID :	MJNBZ9	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:18:14	DataFile Name :	083SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.31	0.28	0.23	0.27	15.50	ppb
Lead	207-1	0.33	0.27	0.23	0.28	17.51	ppb
Lead	208-1	0.32	0.28	0.24	0.28	14.45	ppb
Lithium	6-1				101		%
Magnesium	24-2	4529.84	4554.94	4541.34	4542.04	0.28	ppb
Manganese	55-2	10.27	10.23	10.11	10.20	0.79	ppb
Molybdenum	94-1	1.08	1.02	1.10	1.07	3.96	ppb
Molybdenum	95-1	0.41	0.42	0.41	0.41	1.96	ppb
Molybdenum	96-1	0.48	0.51	0.49	0.50	3.01	ppb
Molybdenum	97-1	0.42	0.42	0.46	0.43	5.05	ppb
Molybdenum	98-1	0.43	0.45	0.45	0.44	1.48	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.96	1.76	1.74	1.82	6.85	ppb
Phosphorus	31-2	2.02	0.90	5.69	2.87	87.24	ppb
Potassium	39-2	563.52	555.70	553.56	557.59	0.94	ppb
Rhodium	103-1				103		%
Rhodium	103-2				99		%
Scandium	45-1				100		%
Scandium	45-2				93		%
Selenium	82-1	1.51	1.20	1.41	1.37	11.36	ppb
Selenium	77-2	1.26	0.16	2.22	1.21	84.89	ppb
Selenium	78-2	0.72	-0.12	-0.30	0.10	547.22	ppb
Silicon	28-1	1774.50	1785.07	1790.06	1783.21	0.45	ppb
Silver	107-1	0.01	0.01	0.01	0.01	2.07	ppb
Silver	109-1	0.01	0.01	0.01	0.01	7.94	ppb
Sodium	23-2	9695.20	9507.53	9584.38	9595.70	0.98	ppb
Strontium	86-1	664.31	669.88	662.72	665.64	0.56	ppb
Strontium	88-1	664.02	658.33	666.52	662.95	0.63	ppb
Sulfur	34-1	4035.70	4014.30	4074.65	4041.55	0.76	ppb
Terbium	159-1				106		%
Terbium	159-2				102		%
Thallium	203-1	-0.01	-0.01	-0.01	-0.01		ppb
Thallium	205-1	0.00	-0.01	-0.01	-0.01		ppb
Tin	118-1	0.14	0.12	0.13	0.13	9.36	ppb
Titanium	47-1	2.56	2.57	3.76	2.96	23.28	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5347-01	Instrumnet Name :	P7
Client Sample ID :	MJNBZ9	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:18:14	DataFile Name :	083SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.10	0.09	0.09	0.09	3.47	ppb
Vanadium	51-2	1.39	1.36	1.37	1.37	1.24	ppb
Yttrium	89-1				104		%
Yttrium	89-2				98		%
Zinc	66-2	1.56	1.54	1.47	1.52	3.04	ppb
Zirconium	90-1	0.65	0.39	0.40	0.48	30.66	ppb
Zirconium	91-1	0.42	0.43	0.40	0.41	3.76	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	CCV014	Instrumnet Name :	P7
Client Sample ID :	CCV014	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:21:46	DataFile Name :	084CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	50303.06	51409.25	50219.14	50643.82	1.31	ppb
Antimony	121-1	492.94	501.18	497.16	497.09	0.83	ppb
Arsenic	75-2	492.71	494.40	495.28	494.13	0.26	ppb
Barium	135-1	2459.67	2565.61	2505.70	2510.33	2.12	ppb
Barium	137-1	2486.91	2563.11	2522.62	2524.21	1.51	ppb
Beryllium	9-1	482.77	485.91	487.17	485.29	0.47	ppb
Bismuth	209-1				98		%
Bismuth	209-2				92		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	484.70	499.90	488.53	491.04	1.61	ppb
Cadmium	106-1	488.34	498.74	490.52	492.54	1.11	ppb
Cadmium	111-1	467.58	484.03	469.74	473.78	1.89	ppb
Calcium	43-1	248119.53	257436.48	252879.87	252811.96	1.84	ppb
Calcium	44-1	244358.80	253947.89	251832.65	250046.45	2.01	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	500.63	501.10	503.30	501.67	0.28	ppb
Cobalt	59-2	500.53	497.66	498.06	498.75	0.31	ppb
Copper	63-2	4890.03	4869.05	4852.63	4870.57	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				97		%
Indium	115-1				92		%
Indium	115-2				87		%
Iron	56-2	128231.63	129660.92	128334.17	128742.24	0.62	ppb
Iron	57-2	128712.22	129869.96	129632.53	129404.90	0.47	ppb
Iron	54-2	128522.54	129391.06	128585.07	128832.89	0.38	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	CCV014	Instrumnet Name :	P7
Client Sample ID :	CCV014	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:21:46	DataFile Name :	084CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2524.64	2628.26	2599.51	2584.14	2.07	ppb
Lead	207-1	2493.56	2566.05	2566.15	2541.92	1.65	ppb
Lead	208-1	2506.07	2594.80	2579.94	2560.27	1.86	ppb
Lithium	6-1				96		%
Magnesium	24-2	249633.72	252789.62	247875.54	250099.63	1.00	ppb
Manganese	55-2	4927.02	4935.69	4928.20	4930.31	0.10	ppb
Molybdenum	94-1	4966.04	5137.44	5135.98	5079.82	1.94	ppb
Molybdenum	95-1	4986.26	5170.80	5136.12	5097.73	1.92	ppb
Molybdenum	96-1	4984.85	5190.60	5114.75	5096.73	2.04	ppb
Molybdenum	97-1	5019.07	5204.48	5134.26	5119.27	1.83	ppb
Molybdenum	98-1	5010.75	5141.84	5095.01	5082.53	1.31	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	475.31	476.66	470.63	474.20	0.67	ppb
Phosphorus	31-2	9966.02	9910.93	9811.17	9896.04	0.79	ppb
Potassium	39-2	124690.76	124850.72	123184.01	124241.83	0.74	ppb
Rhodium	103-1				88		%
Rhodium	103-2				84		%
Scandium	45-1				91		%
Scandium	45-2				84		%
Selenium	82-1	478.96	488.90	486.05	484.63	1.06	ppb
Selenium	77-2	471.93	466.52	479.31	472.59	1.36	ppb
Selenium	78-2	478.52	491.46	478.72	482.90	1.53	ppb
Silicon	28-1	245.20	257.41	249.24	250.61	2.48	ppb
Silver	107-1	489.49	498.49	483.97	490.65	1.49	ppb
Silver	109-1	486.48	495.83	481.38	487.90	1.50	ppb
Sodium	23-2	251631.46	253119.36	248085.71	250945.51	1.03	ppb
Strontium	86-1	12695.89	12800.80	12822.36	12773.01	0.53	ppb
Strontium	88-1	12456.54	12816.34	12647.19	12640.02	1.42	ppb
Sulfur	34-1	9900.44	10400.97	9994.85	10098.75	2.63	ppb
Terbium	159-1				102		%
Terbium	159-2				97		%
Thallium	203-1	508.85	521.77	528.04	519.55	1.88	ppb
Thallium	205-1	505.71	529.65	527.71	521.02	2.55	ppb
Tin	118-1	497.95	511.17	503.31	504.14	1.32	ppb
Titanium	47-1	4823.73	5009.21	4977.29	4936.74	2.01	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	CCV014	Instrumnet Name :	P7
Client Sample ID :	CCV014	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:21:46	DataFile Name :	084CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	498.97	517.52	512.26	509.58	1.88	ppb
Vanadium	51-2	509.26	513.65	515.93	512.94	0.66	ppb
Yttrium	89-1				95		%
Yttrium	89-2				88		%
Zinc	66-2	4792.03	4768.52	4840.92	4800.49	0.77	ppb
Zirconium	90-1	494.67	506.01	509.80	503.49	1.56	ppb
Zirconium	91-1	496.52	518.82	506.17	507.17	2.21	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	CCB014	Instrumnet Name :	P7
Client Sample ID :	CCB014	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:24:33	DataFile Name :	085CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2.39	1.87	1.77	2.01	16.64	ppb
Antimony	121-1	0.31	0.25	0.22	0.26	18.68	ppb
Arsenic	75-2	-0.01	0.02	0.01	0.01	286.88	ppb
Barium	135-1	0.46	0.25	0.13	0.28	58.16	ppb
Barium	137-1	0.46	0.25	0.15	0.29	55.31	ppb
Beryllium	9-1	0.14	0.12	0.07	0.11	29.43	ppb
Bismuth	209-1				108		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.08	0.08	0.00	0.05	81.31	ppb
Cadmium	106-1	-0.17	-0.95	-0.88	-0.67		ppb
Cadmium	111-1	0.11	0.04	0.02	0.06	85.19	ppb
Calcium	43-1	56.34	30.41	18.59	35.12	54.98	ppb
Calcium	44-1	54.89	31.09	17.70	34.56	54.51	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.01	0.01	-0.04	0.00		ppb
Cobalt	59-2	0.00	0.00	-0.01	0.00		ppb
Copper	63-2	0.26	0.18	0.19	0.21	20.03	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				100		%
Indium	115-1				99		%
Indium	115-2				94		%
Iron	56-2	4.35	3.44	2.54	3.44	26.32	ppb
Iron	57-2	2.89	2.04	0.78	1.90	55.75	ppb
Iron	54-2	3.96	2.62	2.78	3.12	23.38	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	CCB014	Instrumnet Name :	P7
Client Sample ID :	CCB014	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:24:33	DataFile Name :	085CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.49	0.29	0.16	0.31	53.85	ppb
Lead	207-1	0.46	0.27	0.16	0.30	50.45	ppb
Lead	208-1	0.48	0.28	0.17	0.31	50.46	ppb
Lithium	6-1				99		%
Magnesium	24-2	5.29	4.15	3.22	4.22	24.52	ppb
Manganese	55-2	0.16	0.12	0.12	0.14	17.98	ppb
Molybdenum	94-1	1.14	0.71	0.47	0.77	43.87	ppb
Molybdenum	95-1	1.10	0.67	0.40	0.72	48.96	ppb
Molybdenum	96-1	1.05	0.65	0.41	0.70	45.83	ppb
Molybdenum	97-1	1.12	0.69	0.46	0.76	44.53	ppb
Molybdenum	98-1	1.06	0.63	0.42	0.70	46.33	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.00	-0.01	-0.02	-0.01		ppb
Phosphorus	31-2	-15.88	-16.97	-16.71	-16.52		ppb
Potassium	39-2	9.89	7.72	7.88	8.50	14.25	ppb
Rhodium	103-1				97		%
Rhodium	103-2				96		%
Scandium	45-1				90		%
Scandium	45-2				87		%
Selenium	82-1	0.30	0.12	-0.35	0.03	1299.34	ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-1.02	-0.87	-1.38	-1.09		ppb
Silicon	28-1	-3.43	-3.73	-3.64	-3.60		ppb
Silver	107-1	0.13	0.08	0.05	0.09	43.24	ppb
Silver	109-1	0.12	0.09	0.05	0.09	41.53	ppb
Sodium	23-2	27.60	26.45	24.85	26.30	5.25	ppb
Strontium	86-1	2.45	1.58	0.92	1.65	46.31	ppb
Strontium	88-1	2.34	1.39	0.83	1.52	50.28	ppb
Sulfur	34-1	-191.91	-232.95	-227.59	-217.48		ppb
Terbium	159-1				104		%
Terbium	159-2				101		%
Thallium	203-1	0.12	0.08	0.05	0.08	43.31	ppb
Thallium	205-1	0.13	0.08	0.05	0.09	43.19	ppb
Tin	118-1	0.15	0.11	0.06	0.11	41.46	ppb
Titanium	47-1	1.02	0.61	0.32	0.65	54.07	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	CCB014	Instrumnet Name :	P7
Client Sample ID :	CCB014	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:24:33	DataFile Name :	085CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.09	0.06	0.03	0.06	55.23	ppb
Vanadium	51-2	0.01	0.01	0.00	0.01	65.75	ppb
Yttrium	89-1				97		%
Yttrium	89-2				93		%
Zinc	66-2	0.38	0.32	0.28	0.33	15.09	ppb
Zirconium	90-1	0.12	0.09	0.06	0.09	33.69	ppb
Zirconium	91-1	0.15	0.09	0.07	0.10	42.20	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5347-02	Instrumnet Name :	P7
Client Sample ID :	MJNBZ9D	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:27:52	DataFile Name :	086SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	97.63	97.61	97.39	97.54	0.14	ppb
Antimony	121-1	0.23	0.24	0.23	0.24	2.25	ppb
Arsenic	75-2	0.58	0.55	0.53	0.55	4.96	ppb
Barium	135-1	0.93	0.94	0.98	0.95	2.33	ppb
Barium	137-1	0.95	0.98	0.99	0.97	2.07	ppb
Beryllium	9-1	0.03	0.01	0.02	0.02	45.45	ppb
Bismuth	209-1				109		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.10	0.02	0.02	0.05	110.34	ppb
Cadmium	106-1	-0.07	-1.28	-1.66	-1.00		ppb
Cadmium	111-1	0.00	-0.01	-0.02	-0.01		ppb
Calcium	43-1	18879.85	19788.43	19298.42	19322.23	2.35	ppb
Calcium	44-1	18482.16	19377.14	18934.38	18931.23	2.36	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.65	0.64	0.66	0.65	1.57	ppb
Cobalt	59-2	0.23	0.22	0.21	0.22	3.46	ppb
Copper	63-2	5.51	5.36	5.37	5.41	1.53	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				102		%
Indium	115-1				101		%
Indium	115-2				95		%
Iron	56-2	197.60	198.85	197.33	197.93	0.41	ppb
Iron	57-2	284.65	295.72	295.35	291.91	2.15	ppb
Iron	54-2	201.86	200.83	196.39	199.69	1.46	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5347-02	Instrumnet Name :	P7
Client Sample ID :	MJNBZ9D	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:27:52	DataFile Name :	086SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.20	0.20	0.21	0.20	2.36	ppb
Lead	207-1	0.17	0.20	0.17	0.18	8.15	ppb
Lead	208-1	0.19	0.19	0.19	0.19	1.97	ppb
Lithium	6-1				102		%
Magnesium	24-2	4690.67	4528.01	4685.82	4634.84	2.00	ppb
Manganese	55-2	8.41	8.27	8.32	8.34	0.84	ppb
Molybdenum	94-1	1.04	1.14	1.11	1.10	4.52	ppb
Molybdenum	95-1	0.45	0.43	0.45	0.44	3.69	ppb
Molybdenum	96-1	0.50	0.53	0.51	0.52	2.84	ppb
Molybdenum	97-1	0.43	0.47	0.50	0.47	7.74	ppb
Molybdenum	98-1	0.45	0.43	0.46	0.45	4.04	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.73	1.74	1.65	1.71	2.83	ppb
Phosphorus	31-2	5.15	3.50	0.42	3.02	79.40	ppb
Potassium	39-2	545.12	551.46	543.27	546.62	0.79	ppb
Rhodium	103-1				98		%
Rhodium	103-2				96		%
Scandium	45-1				94		%
Scandium	45-2				89		%
Selenium	82-1	1.30	1.21	0.90	1.14	18.57	ppb
Selenium	77-2	1.49	0.66	1.67	1.27	42.11	ppb
Selenium	78-2	0.33	1.05	1.30	0.90	56.20	ppb
Silicon	28-1	1706.51	1797.51	1760.62	1754.88	2.61	ppb
Silver	107-1	0.01	0.01	0.01	0.01	13.92	ppb
Silver	109-1	0.02	0.01	0.01	0.01	20.47	ppb
Sodium	23-2	9607.27	9552.02	9479.14	9546.14	0.67	ppb
Strontium	86-1	639.44	658.49	667.34	655.09	2.18	ppb
Strontium	88-1	644.72	659.96	660.92	655.20	1.39	ppb
Sulfur	34-1	3519.86	3722.85	3468.73	3570.48	3.76	ppb
Terbium	159-1				106		%
Terbium	159-2				101		%
Thallium	203-1	0.01	0.01	0.01	0.01	20.51	ppb
Thallium	205-1	0.02	0.02	0.02	0.02	9.61	ppb
Tin	118-1	0.12	0.11	0.12	0.11	2.37	ppb
Titanium	47-1	2.28	2.21	2.28	2.26	1.61	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5347-02	Instrumnet Name :	P7
Client Sample ID :	MJNBZ9D	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:27:52	DataFile Name :	086SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.09	0.10	0.09	0.09	5.25	ppb
Vanadium	51-2	1.39	1.30	1.31	1.33	3.76	ppb
Yttrium	89-1				100		%
Yttrium	89-2				94		%
Zinc	66-2	1.23	1.24	1.26	1.24	1.15	ppb
Zirconium	90-1	0.41	0.41	0.43	0.41	2.68	ppb
Zirconium	91-1	0.43	0.43	0.42	0.43	0.70	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5347-01LX5	Instrumnet Name :	P7
Client Sample ID :	MJNBZ9L	Dilution Factor :	5
Date & Time Acquired :	2024-12-27 19:31:08	DataFile Name :	087SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	21.49	24.09	20.87	22.15	7.71	ppb
Antimony	121-1	0.07	0.06	0.06	0.07	7.63	ppb
Arsenic	75-2	0.16	0.17	0.15	0.16	7.90	ppb
Barium	135-1	0.25	0.21	0.18	0.21	16.64	ppb
Barium	137-1	0.19	0.19	0.21	0.20	4.41	ppb
Beryllium	9-1	0.03	0.00	0.00	0.01	129.95	ppb
Bismuth	209-1				107		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.02	0.02	-0.03	0.00	885.10	ppb
Cadmium	106-1	-0.71	-1.41	-0.95	-1.02		ppb
Cadmium	111-1	-0.01	-0.03	-0.01	-0.02		ppb
Calcium	43-1	3903.00	3922.64	3990.53	3938.72	1.17	ppb
Calcium	44-1	3849.92	3868.00	3930.68	3882.87	1.09	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.03	0.04	0.04	0.04	7.13	ppb
Cobalt	59-2	0.04	0.02	0.03	0.03	27.62	ppb
Copper	63-2	1.59	1.63	1.59	1.60	1.51	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				100		%
Indium	115-1				98		%
Indium	115-2				95		%
Iron	56-2	42.55	42.80	42.69	42.68	0.30	ppb
Iron	57-2	59.87	59.39	62.58	60.61	2.84	ppb
Iron	54-2	44.20	42.93	41.85	42.99	2.74	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5347-01LX5	Instrumnet Name :	P7
Client Sample ID :	MJNBZ9L	Dilution Factor :	5
Date & Time Acquired :	2024-12-27 19:31:08	DataFile Name :	087SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.08	0.09	0.07	0.08	12.73	ppb
Lead	207-1	0.09	0.09	0.09	0.09	2.31	ppb
Lead	208-1	0.09	0.09	0.08	0.08	7.43	ppb
Lithium	6-1				100		%
Magnesium	24-2	869.09	882.29	867.65	873.01	0.92	ppb
Manganese	55-2	2.08	2.12	2.13	2.11	1.20	ppb
Molybdenum	94-1	0.26	0.22	0.23	0.24	8.38	ppb
Molybdenum	95-1	0.08	0.09	0.08	0.08	3.50	ppb
Molybdenum	96-1	0.10	0.10	0.11	0.10	6.47	ppb
Molybdenum	97-1	0.08	0.08	0.09	0.08	6.19	ppb
Molybdenum	98-1	0.08	0.09	0.09	0.09	4.76	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.26	0.18	0.27	0.24	22.41	ppb
Phosphorus	31-2	-15.34	-12.83	-14.55	-14.24		ppb
Potassium	39-2	107.87	110.53	105.35	107.92	2.40	ppb
Rhodium	103-1				97		%
Rhodium	103-2				96		%
Scandium	45-1				91		%
Scandium	45-2				87		%
Selenium	82-1	0.31	0.32	0.12	0.25	44.79	ppb
Selenium	77-2	0.33	0.17	0.17	0.22	43.47	ppb
Selenium	78-2	-0.96	-1.23	0.00	-0.73		ppb
Silicon	28-1	353.55	354.77	364.67	357.66	1.71	ppb
Silver	107-1	0.00	0.00	0.01	0.00	42.45	ppb
Silver	109-1	0.00	0.01	0.01	0.01	24.31	ppb
Sodium	23-2	1954.35	1943.64	1919.35	1939.11	0.92	ppb
Strontium	86-1	131.72	133.02	135.36	133.37	1.38	ppb
Strontium	88-1	131.63	134.40	134.59	133.54	1.24	ppb
Sulfur	34-1	113.38	121.66	192.01	142.35	30.35	ppb
Terbium	159-1				104		%
Terbium	159-2				101		%
Thallium	203-1	-0.01	0.00	0.00	0.00		ppb
Thallium	205-1	0.00	0.00	0.00	0.00	112.94	ppb
Tin	118-1	0.06	0.06	0.06	0.06	5.61	ppb
Titanium	47-1	0.71	0.85	0.65	0.74	13.36	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5347-01LX5	Instrumnet Name :	P7
Client Sample ID :	MJNBZ9L	Dilution Factor :	5
Date & Time Acquired :	2024-12-27 19:31:08	DataFile Name :	087SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.02	0.02	0.02	0.02	6.29	ppb
Vanadium	51-2	0.25	0.26	0.28	0.26	6.24	ppb
Yttrium	89-1				97		%
Yttrium	89-2				93		%
Zinc	66-2	0.64	0.62	0.60	0.62	2.93	ppb
Zirconium	90-1	0.09	0.09	0.09	0.09	2.74	ppb
Zirconium	91-1	0.09	0.07	0.09	0.08	14.80	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5347-03	Instrumnet Name :	P7
Client Sample ID :	MJNBZ9S	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:34:24	DataFile Name :	088SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1944.26	1931.88	1947.42	1941.19	0.42	ppb
Antimony	121-1	110.84	103.85	104.04	106.24	3.75	ppb
Arsenic	75-2	41.95	43.28	43.69	42.97	2.12	ppb
Barium	135-1	2224.90	2062.32	2102.54	2129.92	3.98	ppb
Barium	137-1	2238.27	2101.39	2093.91	2144.52	3.79	ppb
Beryllium	9-1	54.60	52.67	52.30	53.19	2.32	ppb
Bismuth	209-1				106		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	50.30	47.20	47.87	48.46	3.36	ppb
Cadmium	106-1	52.14	44.78	46.26	47.73	8.16	ppb
Cadmium	111-1	53.22	50.21	49.93	51.12	3.57	ppb
Calcium	43-1	20974.98	19666.91	19477.23	20039.71	4.07	ppb
Calcium	44-1	20330.72	19242.33	19073.11	19548.72	3.49	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	210.18	209.70	209.80	209.89	0.12	ppb
Cobalt	59-2	541.67	546.45	535.90	541.34	0.98	ppb
Copper	63-2	259.81	261.46	261.26	260.84	0.34	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				102		%
Indium	115-1				99		%
Indium	115-2				96		%
Iron	56-2	1297.52	1302.20	1294.64	1298.12	0.29	ppb
Iron	57-2	1402.89	1403.53	1411.66	1406.03	0.35	ppb
Iron	54-2	1458.54	1461.42	1456.22	1458.73	0.18	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5347-03	Instrumnet Name :	P7
Client Sample ID :	MJNBZ9S	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:34:24	DataFile Name :	088SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	21.52	20.19	20.29	20.67	3.58	ppb
Lead	207-1	20.68	19.67	19.41	19.92	3.37	ppb
Lead	208-1	21.07	19.94	19.92	20.31	3.24	ppb
Lithium	6-1				98		%
Magnesium	24-2	4487.00	4488.96	4564.80	4513.59	0.98	ppb
Manganese	55-2	531.24	528.61	536.23	532.03	0.73	ppb
Molybdenum	94-1	38.43	36.82	36.92	37.39	2.42	ppb
Molybdenum	95-1	45.73	43.64	44.08	44.48	2.48	ppb
Molybdenum	96-1	44.98	42.60	43.02	43.53	2.92	ppb
Molybdenum	97-1	45.77	43.99	43.75	44.51	2.48	ppb
Molybdenum	98-1	45.98	43.93	44.25	44.72	2.47	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	540.24	544.15	539.45	541.28	0.47	ppb
Phosphorus	31-2	2.36	2.31	-0.41	1.42	111.51	ppb
Potassium	39-2	538.69	542.22	542.70	541.20	0.41	ppb
Rhodium	103-1				95		%
Rhodium	103-2				97		%
Scandium	45-1				90		%
Scandium	45-2				89		%
Selenium	82-1	114.26	110.24	107.71	110.74	2.98	ppb
Selenium	77-2	109.24	108.66	103.37	107.09	3.02	ppb
Selenium	78-2	109.42	108.44	112.27	110.05	1.81	ppb
Silicon	28-1	1912.49	1756.93	1725.86	1798.43	5.56	ppb
Silver	107-1	56.27	52.89	52.91	54.02	3.60	ppb
Silver	109-1	55.41	52.47	52.38	53.42	3.23	ppb
Sodium	23-2	9324.93	9364.47	9397.39	9362.26	0.39	ppb
Strontium	86-1	691.21	659.83	658.60	669.88	2.76	ppb
Strontium	88-1	693.32	659.34	665.10	672.59	2.70	ppb
Sulfur	34-1	4022.06	3366.21	3251.12	3546.46	11.73	ppb
Terbium	159-1				103		%
Terbium	159-2				102		%
Thallium	203-1	52.70	49.44	49.45	50.53	3.71	ppb
Thallium	205-1	52.57	50.08	49.23	50.63	3.43	ppb
Tin	118-1	0.25	0.23	0.23	0.24	5.88	ppb
Titanium	47-1	2.83	2.32	2.33	2.49	11.78	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5347-03	Instrumnet Name :	P7
Client Sample ID :	MJNBZ9S	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:34:24	DataFile Name :	088SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.10	0.09	0.09	0.09	3.37	ppb
Vanadium	51-2	532.82	532.05	533.10	532.66	0.10	ppb
Yttrium	89-1				97		%
Yttrium	89-2				94		%
Zinc	66-2	546.14	547.03	544.69	545.96	0.22	ppb
Zirconium	90-1	0.45	0.41	0.40	0.42	6.19	ppb
Zirconium	91-1	0.47	0.45	0.43	0.45	4.83	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5354-02	Instrumnet Name :	P7
Client Sample ID :	ME2928	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:37:32	DataFile Name :	089SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	31.23	29.31	30.96	30.50	3.41	ppb
Antimony	121-1	0.06	0.04	0.03	0.04	25.85	ppb
Arsenic	75-2	0.02	0.02	0.01	0.02	32.70	ppb
Barium	135-1	1.17	0.94	0.70	0.93	25.21	ppb
Barium	137-1	1.13	0.91	0.77	0.94	19.36	ppb
Beryllium	9-1	0.03	0.01	0.01	0.02	70.18	ppb
Bismuth	209-1				108		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.05	0.00	-0.03	0.01	511.32	ppb
Cadmium	106-1	-0.69	-1.34	-0.83	-0.96		ppb
Cadmium	111-1	0.00	-0.02	0.00	-0.01		ppb
Calcium	43-1	131.15	118.41	121.86	123.81	5.32	ppb
Calcium	44-1	132.14	127.91	127.78	129.28	1.92	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.37	0.37	0.39	0.38	3.56	ppb
Cobalt	59-2	0.05	0.05	0.04	0.05	11.60	ppb
Copper	63-2	0.21	0.17	0.20	0.20	10.49	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				101		%
Indium	115-1				101		%
Indium	115-2				95		%
Iron	56-2	54.67	53.99	55.72	54.79	1.60	ppb
Iron	57-2	53.82	52.25	54.57	53.55	2.21	ppb
Iron	54-2	55.42	54.46	53.78	54.55	1.51	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5354-02	Instrumnet Name :	P7
Client Sample ID :	ME2928	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:37:32	DataFile Name :	089SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.20	0.20	0.19	0.20	2.81	ppb
Lead	207-1	0.17	0.18	0.17	0.18	3.37	ppb
Lead	208-1	0.19	0.19	0.18	0.19	2.00	ppb
Lithium	6-1				99		%
Magnesium	24-2	26.34	26.32	26.58	26.41	0.54	ppb
Manganese	55-2	2.37	2.42	2.41	2.40	1.02	ppb
Molybdenum	94-1	0.06	0.07	0.06	0.06	11.87	ppb
Molybdenum	95-1	0.03	0.00	0.01	0.01	130.50	ppb
Molybdenum	96-1	0.02	0.03	0.03	0.03	15.69	ppb
Molybdenum	97-1	0.02	0.03	0.00	0.02	79.41	ppb
Molybdenum	98-1	0.02	0.02	0.02	0.02	8.96	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.07	0.08	0.10	0.08	20.10	ppb
Phosphorus	31-2	28.28	24.51	23.36	25.38	10.14	ppb
Potassium	39-2	16.70	15.88	17.11	16.56	3.80	ppb
Rhodium	103-1				99		%
Rhodium	103-2				97		%
Scandium	45-1				93		%
Scandium	45-2				89		%
Selenium	82-1	-0.07	0.39	-0.11	0.07	414.63	ppb
Selenium	77-2	0.00	0.00	0.17	0.06	173.21	ppb
Selenium	78-2	0.50	-0.74	-0.17	-0.13		ppb
Silicon	28-1	7.47	6.57	6.85	6.96	6.60	ppb
Silver	107-1	0.03	0.03	0.02	0.03	21.89	ppb
Silver	109-1	0.03	0.03	0.02	0.03	19.59	ppb
Sodium	23-2	144.26	141.71	143.15	143.04	0.89	ppb
Strontium	86-1	8.58	8.88	9.04	8.83	2.65	ppb
Strontium	88-1	9.09	8.86	9.04	9.00	1.33	ppb
Sulfur	34-1	-853.55	-793.77	-733.66	-793.66		ppb
Terbium	159-1				104		%
Terbium	159-2				101		%
Thallium	203-1	0.01	0.00	0.00	0.00	207.00	ppb
Thallium	205-1	0.01	0.01	0.00	0.01	117.30	ppb
Tin	118-1	0.14	0.14	0.15	0.14	3.88	ppb
Titanium	47-1	0.57	0.58	0.54	0.57	3.75	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5354-02	Instrumnet Name :	P7
Client Sample ID :	ME2928	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:37:32	DataFile Name :	089SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	4.82	ppb
Vanadium	51-2	0.11	0.11	0.08	0.10	15.24	ppb
Yttrium	89-1				99		%
Yttrium	89-2				94		%
Zinc	66-2	2.69	2.66	2.78	2.71	2.29	ppb
Zirconium	90-1	0.02	0.02	0.01	0.02	40.37	ppb
Zirconium	91-1	0.04	0.04	0.02	0.03	32.95	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5354-03	Instrumnet Name :	P7
Client Sample ID :	ME2928D	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:40:50	DataFile Name :	090SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	32.81	31.85	33.35	32.67	2.32	ppb
Antimony	121-1	0.21	0.20	0.21	0.21	2.83	ppb
Arsenic	75-2	0.02	0.02	0.03	0.02	13.57	ppb
Barium	135-1	0.51	0.49	0.56	0.52	6.91	ppb
Barium	137-1	0.56	0.52	0.54	0.54	3.63	ppb
Beryllium	9-1	-0.01	-0.01	0.00	-0.01		ppb
Bismuth	209-1				108		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.03	-0.01	0.02	-0.01		ppb
Cadmium	106-1	-0.63	-0.79	-1.31	-0.91		ppb
Cadmium	111-1	-0.01	-0.01	-0.03	-0.02		ppb
Calcium	43-1	125.98	124.68	124.51	125.06	0.64	ppb
Calcium	44-1	127.33	129.60	129.30	128.74	0.96	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.43	0.44	0.45	0.44	2.95	ppb
Cobalt	59-2	0.02	0.02	0.01	0.02	11.16	ppb
Copper	63-2	0.14	0.17	0.18	0.16	11.52	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				101		%
Indium	115-1				99		%
Indium	115-2				96		%
Iron	56-2	56.52	56.69	57.08	56.76	0.50	ppb
Iron	57-2	57.66	58.28	56.51	57.48	1.56	ppb
Iron	54-2	58.69	57.59	55.39	57.23	2.94	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5354-03	Instrumnet Name :	P7
Client Sample ID :	ME2928D	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:40:50	DataFile Name :	090SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.19	0.19	0.18	0.19	2.97	ppb
Lead	207-1	0.18	0.17	0.17	0.17	1.27	ppb
Lead	208-1	0.18	0.18	0.18	0.18	0.70	ppb
Lithium	6-1				99		%
Magnesium	24-2	26.01	27.40	27.64	27.02	3.26	ppb
Manganese	55-2	2.00	1.99	2.01	2.00	0.54	ppb
Molybdenum	94-1	0.08	0.08	0.05	0.07	21.70	ppb
Molybdenum	95-1	0.00	0.01	-0.01	0.00		ppb
Molybdenum	96-1	0.01	0.02	0.01	0.01	44.99	ppb
Molybdenum	97-1	0.01	0.00	0.00	0.00	498.32	ppb
Molybdenum	98-1	0.00	0.01	0.02	0.01	86.29	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.05	0.04	0.05	0.05	11.49	ppb
Phosphorus	31-2	25.21	29.24	28.09	27.52	7.55	ppb
Potassium	39-2	15.29	17.25	16.89	16.48	6.32	ppb
Rhodium	103-1				97		%
Rhodium	103-2				97		%
Scandium	45-1				92		%
Scandium	45-2				89		%
Selenium	82-1	0.05	0.38	-0.12	0.10	249.29	ppb
Selenium	77-2	0.00	0.17	0.00	0.06	173.21	ppb
Selenium	78-2	0.22	-1.78	-0.43	-0.66		ppb
Silicon	28-1	7.02	7.63	7.97	7.54	6.40	ppb
Silver	107-1	0.01	0.00	0.01	0.01	34.37	ppb
Silver	109-1	0.01	0.01	0.01	0.01	14.11	ppb
Sodium	23-2	143.92	143.17	146.34	144.48	1.15	ppb
Strontium	86-1	9.24	8.74	8.64	8.87	3.62	ppb
Strontium	88-1	9.21	9.25	8.98	9.15	1.62	ppb
Sulfur	34-1	-639.36	-588.47	-606.80	-611.54		ppb
Terbium	159-1				104		%
Terbium	159-2				100		%
Thallium	203-1	-0.01	-0.01	-0.01	-0.01		ppb
Thallium	205-1	-0.01	-0.01	-0.01	-0.01		ppb
Tin	118-1	0.14	0.16	0.15	0.15	7.50	ppb
Titanium	47-1	0.68	0.97	0.68	0.77	21.85	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5354-03	Instrumnet Name :	P7
Client Sample ID :	ME2928D	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:40:50	DataFile Name :	090SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	21.80	ppb
Vanadium	51-2	0.08	0.08	0.08	0.08	4.32	ppb
Yttrium	89-1				99		%
Yttrium	89-2				94		%
Zinc	66-2	2.75	2.85	2.79	2.80	1.91	ppb
Zirconium	90-1	0.02	0.02	0.03	0.02	28.73	ppb
Zirconium	91-1	0.03	0.03	0.04	0.03	20.33	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5354-02LX5	Instrumnet Name :	P7
Client Sample ID :	ME2928L	Dilution Factor :	5
Date & Time Acquired :	2024-12-27 19:44:12	DataFile Name :	091SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	8.62	6.58	6.48	7.23	16.71	ppb
Antimony	121-1	0.01	0.01	0.01	0.01	21.59	ppb
Arsenic	75-2	0.22	-0.01	-0.02	0.06	211.17	ppb
Barium	135-1	0.10	0.09	0.10	0.10	7.27	ppb
Barium	137-1	0.10	0.11	0.12	0.11	7.16	ppb
Beryllium	9-1	-0.01	-0.03	-0.01	-0.02		ppb
Bismuth	209-1				107		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.01	0.06	0.02	0.02	163.72	ppb
Cadmium	106-1	-0.82	-0.36	-0.60	-0.59		ppb
Cadmium	111-1	-0.02	-0.01	-0.02	-0.01		ppb
Calcium	43-1	27.40	32.42	27.02	28.95	10.41	ppb
Calcium	44-1	25.61	28.43	26.66	26.90	5.30	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.07	0.10	0.10	0.09	17.14	ppb
Cobalt	59-2	0.01	0.00	0.00	0.00	168.27	ppb
Copper	63-2	14.74	14.71	14.37	14.61	1.43	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				101		%
Indium	115-1				99		%
Indium	115-2				96		%
Iron	56-2	36.80	35.19	34.72	35.57	3.07	ppb
Iron	57-2	37.60	35.57	34.10	35.76	4.92	ppb
Iron	54-2	38.78	34.59	35.85	36.41	5.89	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5354-02LX5	Instrumnet Name :	P7
Client Sample ID :	ME2928L	Dilution Factor :	5
Date & Time Acquired :	2024-12-27 19:44:12	DataFile Name :	091SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.04	0.03	0.03	0.03	15.96	ppb
Lead	207-1	0.03	0.04	0.03	0.03	9.45	ppb
Lead	208-1	0.04	0.04	0.03	0.04	8.38	ppb
Lithium	6-1				99		%
Magnesium	24-2	8.64	5.39	5.46	6.50	28.61	ppb
Manganese	55-2	0.67	0.62	0.61	0.63	5.74	ppb
Molybdenum	94-1	0.00	0.01	0.01	0.01	53.99	ppb
Molybdenum	95-1	-0.01	0.00	-0.01	-0.01		ppb
Molybdenum	96-1	0.00	0.01	0.00	0.00	266.22	ppb
Molybdenum	97-1	0.00	-0.01	0.00	-0.01		ppb
Molybdenum	98-1	0.00	0.00	0.00	0.00	61.69	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	8.17	8.35	8.36	8.29	1.32	ppb
Phosphorus	31-2	-6.47	-8.87	-4.08	-6.47		ppb
Potassium	39-2	4.06	0.59	1.75	2.13	83.06	ppb
Rhodium	103-1				99		%
Rhodium	103-2				97		%
Scandium	45-1				93		%
Scandium	45-2				89		%
Selenium	82-1	0.53	-0.15	0.20	0.19	177.96	ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	0.20	0.40	-1.67	-0.36		ppb
Silicon	28-1	-1.26	-0.34	-1.02	-0.87		ppb
Silver	107-1	0.00	0.00	0.00	0.00	58.38	ppb
Silver	109-1	0.00	0.00	0.00	0.00	7.12	ppb
Sodium	23-2	38.15	31.32	32.11	33.86	11.04	ppb
Strontium	86-1	1.89	1.56	1.96	1.80	11.67	ppb
Strontium	88-1	1.88	1.81	1.82	1.84	1.90	ppb
Sulfur	34-1	-524.07	-420.42	-425.79	-456.76		ppb
Terbium	159-1				103		%
Terbium	159-2				100		%
Thallium	203-1	-0.01	-0.01	-0.02	-0.01		ppb
Thallium	205-1	-0.01	-0.01	-0.01	-0.01		ppb
Tin	118-1	0.04	0.03	0.04	0.04	22.37	ppb
Titanium	47-1	0.14	0.14	0.14	0.14	2.87	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5354-02LX5	Instrumnet Name :	P7
Client Sample ID :	ME2928L	Dilution Factor :	5
Date & Time Acquired :	2024-12-27 19:44:12	DataFile Name :	091SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	52.92	ppb
Vanadium	51-2	0.03	0.01	0.02	0.02	53.92	ppb
Yttrium	89-1				99		%
Yttrium	89-2				95		%
Zinc	66-2	0.83	0.64	0.64	0.70	15.78	ppb
Zirconium	90-1	0.00	0.00	0.00	0.00	113.26	ppb
Zirconium	91-1	0.01	0.01	0.00	0.01	50.14	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5354-04	Instrumnet Name :	P7
Client Sample ID :	ME2928S	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:47:32	DataFile Name :	092SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1846.30	1852.75	1872.78	1857.27	0.74	ppb
Antimony	121-1	101.55	103.20	103.16	102.64	0.92	ppb
Arsenic	75-2	42.61	42.00	42.93	42.51	1.10	ppb
Barium	135-1	2051.57	2088.57	2042.58	2060.91	1.18	ppb
Barium	137-1	2050.15	2105.64	2081.78	2079.19	1.34	ppb
Beryllium	9-1	49.91	50.80	50.91	50.54	1.08	ppb
Bismuth	209-1				107		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	48.44	50.02	48.88	49.11	1.66	ppb
Cadmium	106-1	46.00	47.13	46.41	46.51	1.23	ppb
Cadmium	111-1	49.64	50.27	50.79	50.23	1.14	ppb
Calcium	43-1	139.30	144.21	143.50	142.33	1.86	ppb
Calcium	44-1	136.32	136.49	138.17	136.99	0.75	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	206.34	206.34	208.69	207.12	0.66	ppb
Cobalt	59-2	532.80	536.95	539.36	536.37	0.62	ppb
Copper	63-2	250.55	251.99	253.60	252.04	0.61	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				101		%
Indium	115-1				100		%
Indium	115-2				97		%
Iron	56-2	1136.42	1120.33	1163.75	1140.17	1.93	ppb
Iron	57-2	1129.71	1136.29	1157.91	1141.30	1.29	ppb
Iron	54-2	1290.02	1301.35	1311.34	1300.91	0.82	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5354-04	Instrumnet Name :	P7
Client Sample ID :	ME2928S	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:47:32	DataFile Name :	092SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	19.93	20.00	19.70	19.88	0.78	ppb
Lead	207-1	19.13	19.80	19.22	19.38	1.89	ppb
Lead	208-1	19.56	19.83	19.42	19.60	1.06	ppb
Lithium	6-1				101		%
Magnesium	24-2	26.83	25.62	27.09	26.52	2.96	ppb
Manganese	55-2	515.63	502.19	522.75	513.52	2.03	ppb
Molybdenum	94-1	0.48	0.49	0.50	0.49	1.68	ppb
Molybdenum	95-1	0.55	0.56	0.53	0.55	3.17	ppb
Molybdenum	96-1	0.48	0.52	0.54	0.51	5.43	ppb
Molybdenum	97-1	0.56	0.53	0.53	0.54	3.40	ppb
Molybdenum	98-1	0.54	0.57	0.54	0.55	2.76	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	531.86	532.14	534.95	532.98	0.32	ppb
Phosphorus	31-2	27.24	23.07	27.57	25.96	9.65	ppb
Potassium	39-2	20.10	19.34	20.71	20.05	3.44	ppb
Rhodium	103-1				99		%
Rhodium	103-2				98		%
Scandium	45-1				94		%
Scandium	45-2				91		%
Selenium	82-1	107.44	106.95	109.04	107.81	1.01	ppb
Selenium	77-2	110.40	111.71	107.35	109.82	2.04	ppb
Selenium	78-2	111.56	109.34	106.13	109.01	2.50	ppb
Silicon	28-1	6.81	7.49	8.66	7.65	12.21	ppb
Silver	107-1	52.21	53.63	53.25	53.03	1.39	ppb
Silver	109-1	52.20	52.99	52.52	52.57	0.75	ppb
Sodium	23-2	143.45	146.03	147.47	145.65	1.40	ppb
Strontium	86-1	8.89	9.43	9.24	9.19	3.00	ppb
Strontium	88-1	9.69	9.41	9.66	9.59	1.62	ppb
Sulfur	34-1	-533.00	-523.38	-538.75	-531.71		ppb
Terbium	159-1				105		%
Terbium	159-2				101		%
Thallium	203-1	48.26	49.15	47.23	48.22	1.99	ppb
Thallium	205-1	48.06	49.20	47.89	48.39	1.47	ppb
Tin	118-1	0.30	0.30	0.27	0.29	5.23	ppb
Titanium	47-1	0.67	0.61	0.73	0.67	8.40	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5354-04	Instrumnet Name :	P7
Client Sample ID :	ME2928S	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:47:32	DataFile Name :	092SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	18.96	ppb
Vanadium	51-2	517.13	522.29	529.95	523.12	1.23	ppb
Yttrium	89-1				100		%
Yttrium	89-2				95		%
Zinc	66-2	531.05	530.35	540.42	533.94	1.05	ppb
Zirconium	90-1	0.05	0.05	0.03	0.04	33.72	ppb
Zirconium	91-1	0.06	0.06	0.06	0.06	4.41	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5254-12	Instrumnet Name :	P7
Client Sample ID :	MJNLG1	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:50:45	DataFile Name :	093SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	3.02	3.15	3.39	3.19	5.90	ppb
Antimony	121-1	0.04	0.04	0.03	0.04	15.87	ppb
Arsenic	75-2	-0.01	-0.01	0.01	0.00		ppb
Barium	135-1	0.65	0.49	0.37	0.51	28.05	ppb
Barium	137-1	0.68	0.56	0.36	0.53	29.86	ppb
Beryllium	9-1	0.00	0.03	0.02	0.02	70.79	ppb
Bismuth	209-1				106		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.01	0.05	-0.01	0.01	434.58	ppb
Cadmium	106-1	-0.25	-0.83	-0.73	-0.60		ppb
Cadmium	111-1	0.02	-0.01	0.00	0.00	2745.33	ppb
Calcium	43-1	15.65	17.81	17.09	16.85	6.52	ppb
Calcium	44-1	17.40	17.30	17.49	17.40	0.55	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.21	0.13	0.20	0.18	22.39	ppb
Cobalt	59-2	0.04	0.02	0.02	0.03	36.86	ppb
Copper	63-2	0.10	0.07	0.09	0.09	16.26	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				101		%
Indium	115-1				100		%
Indium	115-2				97		%
Iron	56-2	7.15	6.93	6.95	7.01	1.75	ppb
Iron	57-2	6.79	5.26	5.77	5.94	13.15	ppb
Iron	54-2	7.70	5.93	8.32	7.31	16.94	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5254-12	Instrumnet Name :	P7
Client Sample ID :	MJNLG1	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:50:45	DataFile Name :	093SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.07	0.09	0.09	0.08	9.57	ppb
Lead	207-1	0.08	0.08	0.08	0.08	4.75	ppb
Lead	208-1	0.08	0.09	0.08	0.08	3.40	ppb
Lithium	6-1				98		%
Magnesium	24-2	3.20	3.09	2.55	2.95	11.86	ppb
Manganese	55-2	1.09	1.06	1.04	1.06	2.37	ppb
Molybdenum	94-1	0.01	-0.01	0.01	0.00	632.83	ppb
Molybdenum	95-1	-0.01	0.00	0.01	0.00	907.20	ppb
Molybdenum	96-1	0.00	0.01	0.01	0.00	143.01	ppb
Molybdenum	97-1	0.01	0.00	0.00	0.00	219.65	ppb
Molybdenum	98-1	0.01	0.00	0.00	0.01	58.97	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.17	0.14	0.17	0.16	11.43	ppb
Phosphorus	31-2	-17.54	-14.49	-14.90	-15.64		ppb
Potassium	39-2	0.75	-0.32	2.08	0.83	144.37	ppb
Rhodium	103-1				98		%
Rhodium	103-2				99		%
Scandium	45-1				94		%
Scandium	45-2				91		%
Selenium	82-1	0.52	0.13	0.13	0.26	87.30	ppb
Selenium	77-2	0.32	0.00	0.00	0.11	173.21	ppb
Selenium	78-2	-0.20	-0.34	0.33	-0.07		ppb
Silicon	28-1	-2.49	-1.98	-1.88	-2.12		ppb
Silver	107-1	0.03	0.03	0.02	0.03	30.36	ppb
Silver	109-1	0.03	0.03	0.02	0.03	16.94	ppb
Sodium	23-2	26.98	26.11	27.42	26.84	2.48	ppb
Strontium	86-1	0.51	0.41	0.37	0.43	17.16	ppb
Strontium	88-1	0.76	0.72	0.73	0.74	2.46	ppb
Sulfur	34-1	-569.65	-487.05	-434.14	-496.95		ppb
Terbium	159-1				103		%
Terbium	159-2				101		%
Thallium	203-1	0.01	0.00	0.00	0.00	174.56	ppb
Thallium	205-1	0.01	0.01	0.00	0.01	97.46	ppb
Tin	118-1	0.15	0.69	0.15	0.33	94.92	ppb
Titanium	47-1	0.04	0.08	0.04	0.05	44.99	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5254-12	Instrumnet Name :	P7
Client Sample ID :	MJNLG1	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:50:45	DataFile Name :	093SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	115.14	ppb
Vanadium	51-2	0.04	0.04	0.01	0.03	49.39	ppb
Yttrium	89-1				100		%
Yttrium	89-2				95		%
Zinc	66-2	1.17	1.10	1.34	1.21	10.37	ppb
Zirconium	90-1	0.00	0.00	0.00	0.00		ppb
Zirconium	91-1	0.01	0.00	0.01	0.00	129.68	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5255-07	Instrumnet Name :	P7
Client Sample ID :	MJNLC3	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:54:04	DataFile Name :	094SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	3.42	3.33	3.22	3.32	3.04	ppb
Antimony	121-1	0.03	0.03	0.03	0.03	10.48	ppb
Arsenic	75-2	0.43	0.41	0.40	0.42	4.00	ppb
Barium	135-1	0.39	0.46	0.45	0.43	9.03	ppb
Barium	137-1	0.49	0.48	0.46	0.48	2.60	ppb
Beryllium	9-1	-0.02	0.02	0.02	0.01	337.82	ppb
Bismuth	209-1				111		%
Bismuth	209-2				108		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.00	-0.04	0.06	0.00	1036.65	ppb
Cadmium	106-1	-0.59	-1.40	-1.91	-1.30		ppb
Cadmium	111-1	0.00	-0.03	-0.04	-0.02		ppb
Calcium	43-1	57.68	63.45	64.84	61.99	6.12	ppb
Calcium	44-1	63.44	64.43	65.76	64.54	1.80	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.17	0.18	0.18	0.18	1.45	ppb
Cobalt	59-2	-0.01	-0.01	-0.01	-0.01		ppb
Copper	63-2	0.58	0.55	0.61	0.58	5.07	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				110		%
Holmium	165-2				105		%
Indium	115-1				104		%
Indium	115-2				100		%
Iron	56-2	8.06	7.73	7.81	7.87	2.22	ppb
Iron	57-2	6.37	6.80	7.17	6.78	5.96	ppb
Iron	54-2	8.00	7.77	7.66	7.81	2.21	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5255-07	Instrumnet Name :	P7
Client Sample ID :	MJNLC3	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:54:04	DataFile Name :	094SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.16	0.17	0.19	0.17	8.48	ppb
Lead	207-1	0.14	0.17	0.19	0.17	12.25	ppb
Lead	208-1	0.15	0.18	0.19	0.17	9.79	ppb
Lithium	6-1				96		%
Magnesium	24-2	10.08	10.96	10.76	10.60	4.34	ppb
Manganese	55-2	0.57	0.58	0.61	0.58	3.56	ppb
Molybdenum	94-1	0.07	0.12	0.06	0.08	33.44	ppb
Molybdenum	95-1	-0.01	-0.01	-0.01	-0.01		ppb
Molybdenum	96-1	0.02	0.01	0.01	0.01	29.85	ppb
Molybdenum	97-1	0.01	-0.01	0.01	0.00	2378.17	ppb
Molybdenum	98-1	0.00	0.00	0.01	0.00	180.68	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.06	0.06	0.09	0.07	28.46	ppb
Phosphorus	31-2	-15.53	-16.35	-10.55	-14.14		ppb
Potassium	39-2	3.12	3.33	2.78	3.08	8.94	ppb
Rhodium	103-1				103		%
Rhodium	103-2				102		%
Scandium	45-1				96		%
Scandium	45-2				91		%
Selenium	82-1	0.56	0.09	0.41	0.35	68.15	ppb
Selenium	77-2	0.00	0.00	0.32	0.11	173.21	ppb
Selenium	78-2	-1.03	-1.04	-0.62	-0.90		ppb
Silicon	28-1	-2.21	-2.09	-1.79	-2.03		ppb
Silver	107-1	0.01	0.01	0.02	0.02	14.28	ppb
Silver	109-1	0.01	0.02	0.01	0.01	18.31	ppb
Sodium	23-2	148.90	150.90	150.93	150.24	0.78	ppb
Strontium	86-1	2.05	2.27	2.22	2.18	5.39	ppb
Strontium	88-1	2.73	2.74	2.81	2.76	1.67	ppb
Sulfur	34-1	1076874.09	1067138.93	1090166.83	1078059.95	1.07	ppb
Terbium	159-1				108		%
Terbium	159-2				105		%
Thallium	203-1	0.02	0.06	0.08	0.05	65.16	ppb
Thallium	205-1	0.02	0.06	0.08	0.05	55.45	ppb
Tin	118-1	7.01	7.15	7.15	7.11	1.14	ppb
Titanium	47-1	0.26	0.22	0.23	0.24	8.88	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5255-07	Instrumnet Name :	P7
Client Sample ID :	MJNLC3	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:54:04	DataFile Name :	094SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	63.53	ppb
Vanadium	51-2	0.29	0.31	0.32	0.31	5.50	ppb
Yttrium	89-1				103		%
Yttrium	89-2				98		%
Zinc	66-2	0.98	0.82	0.94	0.91	9.27	ppb
Zirconium	90-1	0.04	0.04	0.04	0.04	3.40	ppb
Zirconium	91-1	0.06	0.05	0.05	0.05	14.02	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5347-04	Instrumnet Name :	P7
Client Sample ID :	MJNC00	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:57:24	DataFile Name :	095SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	72.34	70.67	71.40	71.47	1.17	ppb
Antimony	121-1	0.41	0.45	0.44	0.44	4.65	ppb
Arsenic	75-2	0.34	0.33	0.26	0.31	12.96	ppb
Barium	135-1	30.83	32.93	32.37	32.04	3.39	ppb
Barium	137-1	31.18	33.25	32.94	32.46	3.44	ppb
Beryllium	9-1	0.01	-0.01	-0.01	0.00		ppb
Bismuth	209-1				111		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.04	0.11	0.13	0.09	52.18	ppb
Cadmium	106-1	-0.77	0.10	-1.87	-0.85		ppb
Cadmium	111-1	0.09	0.09	0.03	0.07	48.11	ppb
Calcium	43-1	50916.19	52648.86	52593.93	52053.00	1.89	ppb
Calcium	44-1	50138.50	53417.25	52821.08	52125.61	3.35	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	6.66	6.71	6.67	6.68	0.45	ppb
Cobalt	59-2	0.24	0.24	0.26	0.25	3.77	ppb
Copper	63-2	5.27	5.37	5.17	5.27	1.92	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				110		%
Holmium	165-2				103		%
Indium	115-1				105		%
Indium	115-2				96		%
Iron	56-2	194.47	192.55	190.84	192.62	0.94	ppb
Iron	57-2	451.60	454.70	447.69	451.33	0.78	ppb
Iron	54-2	195.15	198.95	196.96	197.02	0.97	ppb
Krypton	83-1						cps

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5347-04	Instrumnet Name :	P7
Client Sample ID :	MJNC00	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:57:24	DataFile Name :	095SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	3.06	3.30	3.26	3.21	4.10	ppb
Lead	207-1	2.94	3.16	3.24	3.11	4.88	ppb
Lead	208-1	3.00	3.21	3.21	3.14	3.88	ppb
Lithium	6-1				96		%
Magnesium	24-2	11669.14	11505.57	11498.03	11557.58	0.84	ppb
Manganese	55-2	16.33	16.29	15.84	16.15	1.68	ppb
Molybdenum	94-1	0.93	0.99	0.95	0.96	3.11	ppb
Molybdenum	95-1	0.65	0.64	0.62	0.64	1.93	ppb
Molybdenum	96-1	0.68	0.68	0.72	0.69	3.16	ppb
Molybdenum	97-1	0.68	0.67	0.64	0.67	3.14	ppb
Molybdenum	98-1	0.63	0.67	0.70	0.67	5.04	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	8.13	8.08	8.08	8.10	0.32	ppb
Phosphorus	31-2	13.98	13.34	10.57	12.63	14.34	ppb
Potassium	39-2	3510.61	3488.60	3432.68	3477.30	1.16	ppb
Rhodium	103-1				103		%
Rhodium	103-2				97		%
Scandium	45-1				99		%
Scandium	45-2				89		%
Selenium	82-1	0.84	0.72	0.67	0.74	11.83	ppb
Selenium	77-2	0.81	0.33	0.64	0.59	41.67	ppb
Selenium	78-2	-1.21	0.07	0.40	-0.25		ppb
Silicon	28-1	2468.10	2602.39	2618.68	2563.06	3.22	ppb
Silver	107-1	0.01	0.01	0.01	0.01	9.83	ppb
Silver	109-1	0.01	0.01	0.01	0.01	6.15	ppb
Sodium	23-2	4013.94	4052.07	4017.55	4027.86	0.52	ppb
Strontium	86-1	4082.87	4329.16	4335.43	4249.15	3.39	ppb
Strontium	88-1	4183.30	4346.10	4481.91	4337.10	3.45	ppb
Sulfur	34-1	2497.17	2772.43	2618.36	2629.32	5.25	ppb
Terbium	159-1				110		%
Terbium	159-2				103		%
Thallium	203-1	0.02	0.01	0.02	0.02	16.65	ppb
Thallium	205-1	0.02	0.02	0.02	0.02	19.24	ppb
Tin	118-1	0.15	0.17	0.18	0.17	9.15	ppb
Titanium	47-1	2.31	2.22	2.37	2.30	3.21	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5347-04	Instrumnet Name :	P7
Client Sample ID :	MJNC00	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:57:24	DataFile Name :	095SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.22	0.24	0.24	0.24	4.28	ppb
Vanadium	51-2	0.77	0.77	0.77	0.77	0.28	ppb
Yttrium	89-1				106		%
Yttrium	89-2				96		%
Zinc	66-2	9.06	9.57	9.25	9.29	2.76	ppb
Zirconium	90-1	0.21	0.23	0.22	0.22	4.70	ppb
Zirconium	91-1	0.21	0.23	0.24	0.22	7.96	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5354-01	Instrumnet Name :	P7
Client Sample ID :	ME2927	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:00:38	DataFile Name :	096SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	3.00	3.15	3.01	3.05	2.70	ppb
Antimony	121-1	0.01	0.01	0.01	0.01	2.89	ppb
Arsenic	75-2	0.01	0.00	0.02	0.01	91.72	ppb
Barium	135-1	0.03	0.05	0.04	0.04	14.25	ppb
Barium	137-1	0.06	0.04	0.04	0.05	18.22	ppb
Beryllium	9-1	-0.01	0.00	0.02	0.00	1460.31	ppb
Bismuth	209-1				110		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.02	0.00	0.03	0.02	91.49	ppb
Cadmium	106-1	-0.97	-1.11	-1.60	-1.22		ppb
Cadmium	111-1	-0.01	-0.02	-0.03	-0.02		ppb
Calcium	43-1	19.07	20.59	20.50	20.05	4.26	ppb
Calcium	44-1	20.69	21.17	20.13	20.67	2.50	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.18	0.22	0.15	0.18	20.04	ppb
Cobalt	59-2	-0.01	-0.01	-0.01	-0.01		ppb
Copper	63-2	0.24	0.27	0.26	0.26	5.93	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				103		%
Indium	115-1				103		%
Indium	115-2				96		%
Iron	56-2	5.66	5.72	5.78	5.72	1.06	ppb
Iron	57-2	4.50	4.87	3.48	4.28	16.79	ppb
Iron	54-2	5.48	6.16	5.60	5.74	6.34	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5354-01	Instrumnet Name :	P7
Client Sample ID :	ME2927	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:00:38	DataFile Name :	096SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.10	0.10	0.10	0.10	2.04	ppb
Lead	207-1	0.08	0.10	0.10	0.09	10.19	ppb
Lead	208-1	0.09	0.10	0.09	0.10	2.13	ppb
Lithium	6-1				96		%
Magnesium	24-2	2.28	2.31	2.09	2.22	5.44	ppb
Manganese	55-2	0.68	0.72	0.70	0.70	3.40	ppb
Molybdenum	94-1	0.00	0.00	0.01	0.00	275.96	ppb
Molybdenum	95-1	-0.01	0.00	-0.02	-0.01		ppb
Molybdenum	96-1	0.00	0.00	0.01	0.00	175.74	ppb
Molybdenum	97-1	-0.01	0.00	0.00	0.00		ppb
Molybdenum	98-1	-0.01	0.00	0.00	0.00		ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.08	0.09	0.08	0.08	6.27	ppb
Phosphorus	31-2	-11.36	-12.75	-15.71	-13.28		ppb
Potassium	39-2	1.44	-1.20	-0.40	-0.05		ppb
Rhodium	103-1				100		%
Rhodium	103-2				98		%
Scandium	45-1				93		%
Scandium	45-2				88		%
Selenium	82-1	-0.18	0.34	-0.12	0.01	2381.38	ppb
Selenium	77-2	0.17	0.00	0.00	0.06	173.21	ppb
Selenium	78-2	0.08	-0.38	-1.29	-0.53		ppb
Silicon	28-1	-2.07	-1.69	-1.46	-1.74		ppb
Silver	107-1	0.00	0.00	0.00	0.00	91.98	ppb
Silver	109-1	0.00	0.00	0.00	0.00	15.92	ppb
Sodium	23-2	25.18	24.44	25.01	24.88	1.55	ppb
Strontium	86-1	1.33	1.23	1.34	1.30	4.46	ppb
Strontium	88-1	1.21	1.25	1.26	1.24	2.31	ppb
Sulfur	34-1	-659.30	-580.79	-593.55	-611.21		ppb
Terbium	159-1				106		%
Terbium	159-2				102		%
Thallium	203-1	-0.01	0.00	0.00	0.00		ppb
Thallium	205-1	-0.01	-0.01	-0.01	-0.01		ppb
Tin	118-1	0.10	0.11	0.09	0.10	7.83	ppb
Titanium	47-1	0.04	0.03	0.01	0.03	65.47	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5354-01	Instrumnet Name :	P7
Client Sample ID :	ME2927	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:00:38	DataFile Name :	096SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	87.88	ppb
Vanadium	51-2	0.00	0.01	0.00	0.00	182.72	ppb
Yttrium	89-1				101		%
Yttrium	89-2				94		%
Zinc	66-2	0.91	0.95	0.85	0.90	6.07	ppb
Zirconium	90-1	0.00	0.00	0.00	0.00		ppb
Zirconium	91-1	0.01	0.00	0.01	0.01	37.21	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5363-14	Instrumnet Name :	P7
Client Sample ID :	MJNLE3	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:04:01	DataFile Name :	097SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	5.86	6.50	6.76	6.37	7.22	ppb
Antimony	121-1	0.17	0.16	0.15	0.16	5.13	ppb
Arsenic	75-2	0.24	0.14	0.16	0.18	28.21	ppb
Barium	135-1	0.32	0.32	0.35	0.33	5.69	ppb
Barium	137-1	0.33	0.35	0.36	0.35	4.52	ppb
Beryllium	9-1	-0.01	-0.01	-0.02	-0.02		ppb
Bismuth	209-1				106		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.03	0.06	0.00	0.03	95.54	ppb
Cadmium	106-1	-1.06	-0.24	-1.22	-0.84		ppb
Cadmium	111-1	-0.02	-0.01	-0.02	-0.01		ppb
Calcium	43-1	3539.09	3565.40	3564.52	3556.33	0.42	ppb
Calcium	44-1	3468.58	3513.41	3465.09	3482.36	0.77	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.08	0.09	0.05	0.08	26.65	ppb
Cobalt	59-2	0.04	0.04	0.03	0.04	12.07	ppb
Copper	63-2	0.56	0.57	0.57	0.57	0.73	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				102		%
Indium	115-1				99		%
Indium	115-2				95		%
Iron	56-2	18.98	19.03	18.91	18.97	0.32	ppb
Iron	57-2	32.01	34.43	34.15	33.53	3.95	ppb
Iron	54-2	18.70	17.71	18.78	18.39	3.25	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5363-14	Instrumnet Name :	P7
Client Sample ID :	MJNLE3	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:04:01	DataFile Name :	097SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.32	0.32	0.32	0.32	0.98	ppb
Lead	207-1	0.29	0.30	0.31	0.30	3.49	ppb
Lead	208-1	0.31	0.31	0.31	0.31	1.11	ppb
Lithium	6-1				96		%
Magnesium	24-2	10519.10	10539.59	10550.95	10536.55	0.15	ppb
Manganese	55-2	0.92	0.94	0.94	0.94	1.25	ppb
Molybdenum	94-1	0.07	0.09	0.08	0.08	11.47	ppb
Molybdenum	95-1	0.08	0.10	0.11	0.09	17.81	ppb
Molybdenum	96-1	0.11	0.12	0.09	0.11	14.92	ppb
Molybdenum	97-1	0.09	0.12	0.09	0.10	16.60	ppb
Molybdenum	98-1	0.12	0.12	0.10	0.11	5.97	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.72	0.73	0.68	0.71	3.27	ppb
Phosphorus	31-2	-8.70	-11.33	-14.10	-11.38		ppb
Potassium	39-2	3330.88	3331.08	3364.17	3342.04	0.57	ppb
Rhodium	103-1				96		%
Rhodium	103-2				96		%
Scandium	45-1				92		%
Scandium	45-2				88		%
Selenium	82-1	0.90	0.36	0.18	0.48	78.53	ppb
Selenium	77-2	0.00	0.00	0.33	0.11	173.21	ppb
Selenium	78-2	0.19	-0.32	-0.70	-0.28		ppb
Silicon	28-1	0.70	1.19	1.66	1.18	40.50	ppb
Silver	107-1	0.01	0.01	0.01	0.01	6.91	ppb
Silver	109-1	0.00	0.01	0.00	0.00	30.20	ppb
Sodium	23-2	89664.74	89381.99	89151.81	89399.51	0.29	ppb
Strontium	86-1	1539.39	1576.22	1529.41	1548.34	1.59	ppb
Strontium	88-1	1610.90	1619.74	1614.14	1614.93	0.28	ppb
Sulfur	34-1	7736.75	7755.87	7793.92	7762.18	0.37	ppb
Terbium	159-1				105		%
Terbium	159-2				102		%
Thallium	203-1	-0.01	-0.01	-0.01	-0.01		ppb
Thallium	205-1	-0.01	-0.01	-0.01	-0.01		ppb
Tin	118-1	0.11	0.11	0.10	0.10	6.20	ppb
Titanium	47-1	0.26	0.28	0.28	0.27	4.23	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5363-14	Instrumnet Name :	P7
Client Sample ID :	MJNLE3	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:04:01	DataFile Name :	097SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.03	0.02	0.03	0.03	6.45	ppb
Vanadium	51-2	0.05	0.06	0.04	0.05	20.01	ppb
Yttrium	89-1				99		%
Yttrium	89-2				93		%
Zinc	66-2	1.68	1.71	1.60	1.66	3.52	ppb
Zirconium	90-1	0.00	0.00	0.00	0.00		ppb
Zirconium	91-1	0.00	0.01	0.02	0.01	134.09	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5363-15	Instrumnet Name :	P7
Client Sample ID :	MJNLF9	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:07:17	DataFile Name :	098SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	8.19	8.72	8.08	8.33	4.09	ppb
Antimony	121-1	0.10	0.11	0.11	0.10	7.02	ppb
Arsenic	75-2	0.10	0.10	0.08	0.09	16.09	ppb
Barium	135-1	0.15	0.16	0.14	0.15	7.77	ppb
Barium	137-1	0.17	0.15	0.17	0.16	5.71	ppb
Beryllium	9-1	-0.01	0.00	-0.01	-0.01		ppb
Bismuth	209-1				106		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.01	-0.01	0.05	0.01	478.28	ppb
Cadmium	106-1	0.14	-0.75	-0.80	-0.47		ppb
Cadmium	111-1	0.01	-0.01	-0.01	-0.01		ppb
Calcium	43-1	3608.31	3596.32	3638.45	3614.36	0.60	ppb
Calcium	44-1	3512.30	3538.76	3531.60	3527.56	0.39	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.10	0.16	0.16	0.14	24.87	ppb
Cobalt	59-2	0.03	0.03	0.02	0.03	34.32	ppb
Copper	63-2	0.15	0.14	0.18	0.16	13.02	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				102		%
Indium	115-1				99		%
Indium	115-2				96		%
Iron	56-2	6.60	6.65	6.65	6.64	0.45	ppb
Iron	57-2	23.31	24.90	22.45	23.55	5.29	ppb
Iron	54-2	5.56	5.84	6.06	5.82	4.30	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5363-15	Instrumnet Name :	P7
Client Sample ID :	MJNLF9	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:07:17	DataFile Name :	098SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.08	0.08	0.08	0.08	3.80	ppb
Lead	207-1	0.09	0.07	0.07	0.08	15.24	ppb
Lead	208-1	0.08	0.08	0.08	0.08	1.42	ppb
Lithium	6-1				97		%
Magnesium	24-2	10815.77	10638.34	10611.41	10688.51	1.04	ppb
Manganese	55-2	2.68	2.73	2.53	2.65	3.89	ppb
Molybdenum	94-1	0.08	0.10	0.11	0.10	12.75	ppb
Molybdenum	95-1	0.09	0.09	0.09	0.09	0.47	ppb
Molybdenum	96-1	0.11	0.12	0.11	0.11	3.18	ppb
Molybdenum	97-1	0.11	0.11	0.12	0.11	4.72	ppb
Molybdenum	98-1	0.11	0.12	0.10	0.11	8.91	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.50	0.56	0.54	0.53	5.32	ppb
Phosphorus	31-2	-9.48	-8.98	-12.43	-10.30		ppb
Potassium	39-2	3354.74	3311.31	3337.42	3334.49	0.66	ppb
Rhodium	103-1				98		%
Rhodium	103-2				96		%
Scandium	45-1				94		%
Scandium	45-2				90		%
Selenium	82-1	0.46	0.74	0.64	0.61	22.79	ppb
Selenium	77-2	0.16	0.16	0.00	0.11	86.60	ppb
Selenium	78-2	-0.28	-0.80	-0.61	-0.56		ppb
Silicon	28-1	0.78	2.02	1.46	1.42	43.80	ppb
Silver	107-1	0.00	0.00	0.00	0.00	42.58	ppb
Silver	109-1	0.00	0.00	0.01	0.00	33.79	ppb
Sodium	23-2	91574.59	89888.22	89969.98	90477.60	1.05	ppb
Strontium	86-1	1569.16	1609.12	1594.66	1590.98	1.27	ppb
Strontium	88-1	1613.46	1626.34	1635.67	1625.16	0.69	ppb
Sulfur	34-1	7946.30	8303.10	8154.31	8134.57	2.20	ppb
Terbium	159-1				105		%
Terbium	159-2				102		%
Thallium	203-1	-0.01	-0.01	-0.01	-0.01		ppb
Thallium	205-1	-0.01	-0.01	-0.01	-0.01		ppb
Tin	118-1	0.06	0.05	0.06	0.06	4.78	ppb
Titanium	47-1	0.14	0.19	0.16	0.16	15.82	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5363-15	Instrumnet Name :	P7
Client Sample ID :	MJNLF9	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:07:17	DataFile Name :	098SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.02	0.02	0.03	0.02	3.30	ppb
Vanadium	51-2	0.04	0.06	0.05	0.05	19.96	ppb
Yttrium	89-1				100		%
Yttrium	89-2				94		%
Zinc	66-2	0.63	0.77	0.68	0.69	10.32	ppb
Zirconium	90-1	0.00	0.00	0.00	0.00		ppb
Zirconium	91-1	0.00	0.00	0.00	0.00	412.97	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5363-16	Instrumnet Name :	P7
Client Sample ID :	MJNLG0	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:10:36	DataFile Name :	099SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	3.64	3.00	3.28	3.30	9.76	ppb
Antimony	121-1	0.08	0.08	0.08	0.08	4.02	ppb
Arsenic	75-2	0.04	0.05	0.02	0.04	35.64	ppb
Barium	135-1	0.04	0.04	0.03	0.04	17.88	ppb
Barium	137-1	0.05	0.04	0.04	0.04	14.58	ppb
Beryllium	9-1	0.00	-0.02	-0.01	-0.01		ppb
Bismuth	209-1				111		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.01	-0.04	-0.03	-0.02		ppb
Cadmium	106-1	-0.44	0.00	-1.42	-0.62		ppb
Cadmium	111-1	-0.01	0.00	-0.03	-0.01		ppb
Calcium	43-1	538.62	575.86	580.59	565.02	4.07	ppb
Calcium	44-1	548.40	575.79	588.22	570.80	3.57	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.06	0.09	0.09	0.08	23.29	ppb
Cobalt	59-2	0.02	0.03	0.02	0.02	5.51	ppb
Copper	63-2	0.14	0.11	0.14	0.13	13.74	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				102		%
Indium	115-1				103		%
Indium	115-2				97		%
Iron	56-2	4.65	4.61	4.66	4.64	0.53	ppb
Iron	57-2	4.62	7.58	6.50	6.23	24.07	ppb
Iron	54-2	4.46	5.19	4.18	4.61	11.31	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5363-16	Instrumnet Name :	P7
Client Sample ID :	MJNLG0	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:10:36	DataFile Name :	099SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.08	0.09	0.09	0.09	7.94	ppb
Lead	207-1	0.08	0.07	0.08	0.08	7.72	ppb
Lead	208-1	0.08	0.09	0.09	0.09	8.62	ppb
Lithium	6-1				101		%
Magnesium	24-2	1613.31	1605.80	1606.62	1608.58	0.26	ppb
Manganese	55-2	0.43	0.46	0.43	0.44	3.41	ppb
Molybdenum	94-1	0.00	0.03	0.01	0.01	100.23	ppb
Molybdenum	95-1	0.02	0.02	0.01	0.02	16.71	ppb
Molybdenum	96-1	0.01	0.02	0.02	0.02	23.82	ppb
Molybdenum	97-1	0.01	0.02	0.02	0.02	31.02	ppb
Molybdenum	98-1	0.02	0.02	0.02	0.02	15.49	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.42	0.47	0.49	0.46	7.82	ppb
Phosphorus	31-2	-12.66	-11.60	-15.89	-13.38		ppb
Potassium	39-2	550.46	547.79	546.01	548.09	0.41	ppb
Rhodium	103-1				101		%
Rhodium	103-2				98		%
Scandium	45-1				95		%
Scandium	45-2				90		%
Selenium	82-1	0.36	0.18	0.09	0.21	66.62	ppb
Selenium	77-2	0.16	0.00	0.00	0.05	173.21	ppb
Selenium	78-2	0.38	-1.16	-1.09	-0.63		ppb
Silicon	28-1	-2.66	-1.68	-1.32	-1.89		ppb
Silver	107-1	0.00	0.00	0.00	0.00		ppb
Silver	109-1	0.00	0.00	0.00	0.00	57.05	ppb
Sodium	23-2	14467.86	14462.34	14392.29	14440.83	0.29	ppb
Strontium	86-1	236.37	253.29	247.42	245.69	3.50	ppb
Strontium	88-1	234.35	249.65	247.53	243.85	3.40	ppb
Sulfur	34-1	991.84	1260.07	1343.37	1198.43	15.33	ppb
Terbium	159-1				107		%
Terbium	159-2				102		%
Thallium	203-1	-0.01	-0.01	-0.02	-0.01		ppb
Thallium	205-1	-0.01	-0.01	-0.01	-0.01		ppb
Tin	118-1	0.06	0.05	0.05	0.05	13.10	ppb
Titanium	47-1	0.16	0.15	0.14	0.15	7.13	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5363-16	Instrumnet Name :	P7
Client Sample ID :	MJNLG0	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:10:36	DataFile Name :	099SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.01	0.00	9.51	ppb
Vanadium	51-2	0.04	0.03	0.03	0.04	24.27	ppb
Yttrium	89-1				102		%
Yttrium	89-2				95		%
Zinc	66-2	0.51	0.57	0.48	0.52	9.31	ppb
Zirconium	90-1	0.00	0.00	-0.01	0.00		ppb
Zirconium	91-1	0.00	-0.01	0.00	0.00		ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-20	Instrumnet Name :	P7
Client Sample ID :	MJNLC4	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:13:55	DataFile Name :	100SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	5.45	5.77	5.82	5.68	3.54	ppb
Antimony	121-1	0.02	0.01	0.02	0.02	19.46	ppb
Arsenic	75-2	-0.02	-0.01	0.01	-0.01		ppb
Barium	135-1	0.04	0.02	0.02	0.03	45.48	ppb
Barium	137-1	0.03	0.03	0.03	0.03	7.18	ppb
Beryllium	9-1	0.00	-0.01	-0.01	-0.01		ppb
Bismuth	209-1				110		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.00	0.00	-0.04	-0.01		ppb
Cadmium	106-1	-0.22	-0.30	-0.96	-0.49		ppb
Cadmium	111-1	0.00	-0.01	-0.02	-0.01		ppb
Calcium	43-1	26.91	25.13	23.91	25.32	5.96	ppb
Calcium	44-1	25.82	26.29	26.33	26.15	1.09	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.07	0.09	0.09	0.08	16.54	ppb
Cobalt	59-2	0.00	-0.01	0.00	-0.01		ppb
Copper	63-2	0.13	0.11	0.14	0.13	10.05	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				106		%
Holmium	165-2				101		%
Indium	115-1				101		%
Indium	115-2				97		%
Iron	56-2	2.63	2.84	2.71	2.72	3.94	ppb
Iron	57-2	1.86	3.62	1.34	2.27	52.60	ppb
Iron	54-2	2.04	2.65	1.96	2.21	17.11	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-20	Instrumnet Name :	P7
Client Sample ID :	MJNLC4	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:13:55	DataFile Name :	100SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.07	0.06	0.07	0.07	7.55	ppb
Lead	207-1	0.07	0.06	0.06	0.06	5.49	ppb
Lead	208-1	0.07	0.07	0.07	0.07	4.07	ppb
Lithium	6-1				100		%
Magnesium	24-2	14.15	14.86	14.57	14.53	2.46	ppb
Manganese	55-2	0.89	0.91	0.90	0.90	1.21	ppb
Molybdenum	94-1	-0.01	0.00	0.00	0.00		ppb
Molybdenum	95-1	-0.01	-0.01	-0.01	-0.01		ppb
Molybdenum	96-1	0.00	0.00	0.00	0.00	2386.65	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	0.11	0.07	0.15	0.11	34.42	ppb
Phosphorus	31-2	-15.84	-10.61	-12.38	-12.94		ppb
Potassium	39-2	19.70	20.25	20.15	20.04	1.48	ppb
Rhodium	103-1				100		%
Rhodium	103-2				98		%
Scandium	45-1				94		%
Scandium	45-2				89		%
Selenium	82-1	0.53	0.45	0.10	0.36	62.53	ppb
Selenium	77-2	0.00	0.00	0.16	0.05	173.21	ppb
Selenium	78-2	-0.17	-1.41	0.18	-0.46		ppb
Silicon	28-1	-2.40	-2.12	-2.07	-2.19		ppb
Silver	107-1	0.00	0.00	0.00	0.00	15.57	ppb
Silver	109-1	0.00	0.00	0.00	0.00	93.23	ppb
Sodium	23-2	97.23	98.00	97.47	97.56	0.40	ppb
Strontium	86-1	1.75	2.12	1.47	1.78	18.36	ppb
Strontium	88-1	2.11	2.16	2.20	2.16	1.99	ppb
Sulfur	34-1	21.87	3.44	1.74	9.02	123.81	ppb
Terbium	159-1				105		%
Terbium	159-2				102		%
Thallium	203-1	-0.01	-0.02	-0.01	-0.01		ppb
Thallium	205-1	-0.01	-0.01	-0.01	-0.01		ppb
Tin	118-1	0.09	0.06	0.07	0.07	21.09	ppb
Titanium	47-1	0.07	0.05	0.04	0.05	28.98	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-20	Instrumnet Name :	P7
Client Sample ID :	MJNLC4	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:13:55	DataFile Name :	100SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	244.68	ppb
Vanadium	51-2	0.00	0.00	0.01	0.00	17.34	ppb
Yttrium	89-1				100		%
Yttrium	89-2				95		%
Zinc	66-2	0.81	0.82	0.87	0.83	3.95	ppb
Zirconium	90-1	0.00	0.00	0.00	0.00	802.50	ppb
Zirconium	91-1	-0.01	0.00	-0.01	-0.01		ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-01	Instrumnet Name :	P7
Client Sample ID :	MJNKA1	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:17:17	DataFile Name :	101SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10468.58	10351.38	10452.00	10423.99	0.61	ppb
Antimony	121-1	298.83	322.48	321.71	314.34	4.28	ppb
Arsenic	75-2	770.22	766.32	756.63	764.39	0.92	ppb
Barium	135-1	234.39	251.24	254.36	246.66	4.36	ppb
Barium	137-1	235.81	254.54	256.88	249.08	4.64	ppb
Beryllium	9-1	0.28	0.33	0.30	0.30	9.14	ppb
Bismuth	209-1				116		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.71	3.06	3.01	2.92	6.54	ppb
Cadmium	106-1	2.46	2.45	2.84	2.58	8.54	ppb
Cadmium	111-1	1.53	1.69	1.77	1.66	7.22	ppb
Calcium	43-1	9232.28	9930.44	10126.34	9763.02	4.81	ppb
Calcium	44-1	8928.31	9689.10	9869.28	9495.56	5.26	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	30.36	30.26	30.34	30.32	0.17	ppb
Cobalt	59-2	52.59	52.33	53.36	52.76	1.01	ppb
Copper	63-2	288.57	291.75	289.93	290.08	0.55	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				113		%
Holmium	165-2				106		%
Indium	115-1				109		%
Indium	115-2				102		%
Iron	56-2	49067.12	49297.34	49326.68	49230.38	0.29	ppb
Iron	57-2	48487.20	48352.55	48958.41	48599.38	0.65	ppb
Iron	54-2	49822.98	49275.48	49780.05	49626.17	0.61	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-01	Instrumnet Name :	P7
Client Sample ID :	MJNKA1	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:17:17	DataFile Name :	101SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	685.43	742.32	740.94	722.90	4.49	ppb
Lead	207-1	683.19	724.91	735.32	714.47	3.86	ppb
Lead	208-1	681.04	726.43	737.66	715.05	4.19	ppb
Lithium	6-1				105		%
Magnesium	24-2	7634.60	7569.73	7599.34	7601.22	0.43	ppb
Manganese	55-2	1754.42	1755.22	1762.61	1757.42	0.26	ppb
Molybdenum	94-1	13.94	15.14	15.22	14.77	4.88	ppb
Molybdenum	95-1	10.41	11.10	11.30	10.94	4.27	ppb
Molybdenum	96-1	11.20	11.93	12.15	11.76	4.20	ppb
Molybdenum	97-1	10.57	11.54	11.33	11.15	4.60	ppb
Molybdenum	98-1	10.57	11.35	11.35	11.09	4.06	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	47.66	47.99	47.75	47.80	0.36	ppb
Phosphorus	31-2	1027.52	1026.91	1051.85	1035.43	1.37	ppb
Potassium	39-2	2682.29	2650.35	2668.64	2667.09	0.60	ppb
Rhodium	103-1				104		%
Rhodium	103-2				102		%
Scandium	45-1				101		%
Scandium	45-2				96		%
Selenium	82-1	0.91	0.94	0.86	0.90	4.17	ppb
Selenium	77-2	4.00	3.05	4.21	3.75	16.41	ppb
Selenium	78-2	0.67	1.63	-0.41	0.63	160.86	ppb
Silicon	28-1	624.76	678.80	688.29	663.95	5.16	ppb
Silver	107-1	0.90	0.95	0.96	0.94	3.32	ppb
Silver	109-1	0.91	0.94	0.96	0.94	2.89	ppb
Sodium	23-2	7178.79	7158.19	7132.78	7156.59	0.32	ppb
Strontium	86-1	2147.72	2320.22	2314.72	2260.89	4.34	ppb
Strontium	88-1	2195.02	2374.90	2374.62	2314.85	4.48	ppb
Sulfur	34-1	719.03	1021.42	1094.66	945.04	21.07	ppb
Terbium	159-1				112		%
Terbium	159-2				107		%
Thallium	203-1	0.30	0.33	0.36	0.33	8.20	ppb
Thallium	205-1	0.32	0.34	0.36	0.34	6.21	ppb
Tin	118-1	48.53	52.43	52.75	51.23	4.59	ppb
Titanium	47-1	339.34	365.22	372.96	359.17	4.90	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-01	Instrumnet Name :	P7
Client Sample ID :	MJNKA1	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:17:17	DataFile Name :	101SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.79	0.80	0.84	0.81	3.66	ppb
Vanadium	51-2	43.78	43.28	43.76	43.61	0.65	ppb
Yttrium	89-1				107		%
Yttrium	89-2				102		%
Zinc	66-2	3567.31	3521.61	3591.44	3560.12	1.00	ppb
Zirconium	90-1	2.95	3.20	3.20	3.12	4.58	ppb
Zirconium	91-1	3.19	3.33	3.34	3.29	2.61	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-02	Instrumnet Name :	P7
Client Sample ID :	MJNKA7	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:20:20	DataFile Name :	102SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	5487.90	5472.27	5410.39	5456.85	0.75	ppb
Antimony	121-1	43.37	44.16	44.09	43.87	1.00	ppb
Arsenic	75-2	183.26	182.46	182.32	182.68	0.28	ppb
Barium	135-1	80.43	83.30	81.40	81.71	1.79	ppb
Barium	137-1	82.61	84.00	83.12	83.24	0.84	ppb
Beryllium	9-1	0.16	0.20	0.23	0.20	17.04	ppb
Bismuth	209-1				113		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.55	1.69	1.56	1.60	4.71	ppb
Cadmium	106-1	1.43	0.97	0.63	1.01	39.81	ppb
Cadmium	111-1	1.23	1.27	1.19	1.23	2.93	ppb
Calcium	43-1	69564.14	71626.74	70550.24	70580.38	1.46	ppb
Calcium	44-1	69098.30	70748.41	70735.26	70193.99	1.35	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	17.98	18.14	17.84	17.99	0.84	ppb
Cobalt	59-2	29.67	29.95	29.81	29.81	0.47	ppb
Copper	63-2	366.63	370.01	366.70	367.78	0.52	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				110		%
Holmium	165-2				104		%
Indium	115-1				105		%
Indium	115-2				97		%
Iron	56-2	24009.72	23906.09	23888.08	23934.63	0.27	ppb
Iron	57-2	24513.50	24257.95	23986.42	24252.63	1.09	ppb
Iron	54-2	24200.38	23986.82	24003.84	24063.68	0.49	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-02	Instrumnet Name :	P7
Client Sample ID :	MJNKA7	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:20:20	DataFile Name :	102SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	318.08	313.86	316.14	316.03	0.67	ppb
Lead	207-1	312.90	311.83	312.10	312.28	0.18	ppb
Lead	208-1	313.34	310.79	311.91	312.01	0.41	ppb
Lithium	6-1				103		%
Magnesium	24-2	4238.58	4256.70	4219.38	4238.22	0.44	ppb
Manganese	55-2	247.57	247.34	246.21	247.04	0.29	ppb
Molybdenum	94-1	5.18	5.22	5.26	5.22	0.71	ppb
Molybdenum	95-1	3.26	3.27	3.32	3.29	0.98	ppb
Molybdenum	96-1	3.66	3.72	3.75	3.71	1.15	ppb
Molybdenum	97-1	3.32	3.41	3.44	3.39	1.96	ppb
Molybdenum	98-1	3.39	3.41	3.43	3.41	0.64	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	15.84	15.95	15.72	15.84	0.74	ppb
Phosphorus	31-2	823.89	823.90	794.22	814.00	2.10	ppb
Potassium	39-2	1651.50	1648.84	1647.14	1649.16	0.13	ppb
Rhodium	103-1				101		%
Rhodium	103-2				98		%
Scandium	45-1				95		%
Scandium	45-2				90		%
Selenium	82-1	1.01	0.57	0.51	0.69	39.88	ppb
Selenium	77-2	2.72	4.83	1.12	2.89	64.42	ppb
Selenium	78-2	-1.34	-0.38	-0.34	-0.69		ppb
Silicon	28-1	901.61	1005.22	938.72	948.51	5.53	ppb
Silver	107-1	1.31	1.37	1.31	1.33	2.67	ppb
Silver	109-1	1.29	1.37	1.34	1.33	3.13	ppb
Sodium	23-2	9651.06	9525.98	9567.59	9581.54	0.66	ppb
Strontium	86-1	14363.53	14520.68	14825.15	14569.79	1.61	ppb
Strontium	88-1	14439.65	14582.52	14503.07	14508.41	0.49	ppb
Sulfur	34-1	1920.84	2102.27	2090.15	2037.75	4.98	ppb
Terbium	159-1				109		%
Terbium	159-2				104		%
Thallium	203-1	0.20	0.20	0.21	0.20	2.43	ppb
Thallium	205-1	0.20	0.20	0.20	0.20	1.58	ppb
Tin	118-1	30.92	31.34	31.23	31.16	0.70	ppb
Titanium	47-1	259.39	264.54	263.00	262.31	1.01	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-02	Instrumnet Name :	P7
Client Sample ID :	MJNKA7	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:20:20	DataFile Name :	102SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.15	1.16	1.16	1.16	0.62	ppb
Vanadium	51-2	22.95	22.99	22.92	22.95	0.17	ppb
Yttrium	89-1				105		%
Yttrium	89-2				97		%
Zinc	66-2	1566.41	1562.32	1559.66	1562.80	0.22	ppb
Zirconium	90-1	1.36	1.41	1.41	1.39	2.19	ppb
Zirconium	91-1	1.44	1.43	1.46	1.45	1.14	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-03	Instrumnet Name :	P7
Client Sample ID :	MJNKA8	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:23:27	DataFile Name :	103SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	6856.76	6738.90	6976.11	6857.26	1.73	ppb
Antimony	121-1	95.80	106.11	106.46	102.79	5.89	ppb
Arsenic	75-2	938.52	938.28	946.48	941.10	0.50	ppb
Barium	135-1	55.69	62.51	61.23	59.81	6.07	ppb
Barium	137-1	56.63	62.64	62.94	60.74	5.86	ppb
Beryllium	9-1	0.42	0.44	0.55	0.47	14.70	ppb
Bismuth	209-1				117		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	3.00	2.70	3.22	2.97	8.75	ppb
Cadmium	106-1	1.85	2.67	2.55	2.35	18.81	ppb
Cadmium	111-1	1.83	2.18	2.13	2.05	9.35	ppb
Calcium	43-1	6130.08	6712.98	6740.27	6527.78	5.28	ppb
Calcium	44-1	5970.87	6534.86	6610.78	6372.17	5.49	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	30.69	31.19	30.68	30.85	0.95	ppb
Cobalt	59-2	46.86	46.96	46.71	46.85	0.27	ppb
Copper	63-2	419.72	427.00	423.50	423.41	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				114		%
Holmium	165-2				107		%
Indium	115-1				112		%
Indium	115-2				104		%
Iron	56-2	45373.43	45756.05	45368.17	45499.22	0.49	ppb
Iron	57-2	44826.78	45073.94	44918.92	44939.88	0.28	ppb
Iron	54-2	45473.59	45997.62	45538.95	45670.05	0.63	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-03	Instrumnet Name :	P7
Client Sample ID :	MJNKA8	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:23:27	DataFile Name :	103SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	761.94	834.13	845.86	813.98	5.58	ppb
Lead	207-1	758.57	817.94	832.16	802.89	4.86	ppb
Lead	208-1	762.14	824.41	835.64	807.39	4.90	ppb
Lithium	6-1				105		%
Magnesium	24-2	4748.09	4682.82	4745.20	4725.37	0.78	ppb
Manganese	55-2	353.38	356.47	358.19	356.01	0.68	ppb
Molybdenum	94-1	33.63	37.27	37.24	36.05	5.81	ppb
Molybdenum	95-1	39.33	42.62	43.03	41.66	4.87	ppb
Molybdenum	96-1	39.16	42.45	42.82	41.48	4.86	ppb
Molybdenum	97-1	40.08	43.05	43.63	42.25	4.50	ppb
Molybdenum	98-1	39.61	43.23	43.66	42.16	5.28	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	32.79	33.16	32.83	32.93	0.61	ppb
Phosphorus	31-2	884.96	894.59	898.30	892.62	0.77	ppb
Potassium	39-2	2663.99	2671.23	2690.19	2675.14	0.51	ppb
Rhodium	103-1				106		%
Rhodium	103-2				103		%
Scandium	45-1				102		%
Scandium	45-2				95		%
Selenium	82-1	0.60	0.70	0.25	0.52	46.37	ppb
Selenium	77-2	4.10	3.65	3.47	3.74	8.68	ppb
Selenium	78-2	0.53	0.04	1.49	0.69	106.79	ppb
Silicon	28-1	1798.39	1972.73	1938.38	1903.17	4.85	ppb
Silver	107-1	0.77	0.83	0.88	0.83	6.20	ppb
Silver	109-1	0.74	0.84	0.85	0.81	7.77	ppb
Sodium	23-2	10166.78	10032.86	10132.23	10110.62	0.69	ppb
Strontium	86-1	1197.19	1314.69	1306.11	1272.66	5.15	ppb
Strontium	88-1	1227.65	1356.29	1345.43	1309.79	5.45	ppb
Sulfur	34-1	377.58	701.58	651.38	576.85	30.23	ppb
Terbium	159-1				114		%
Terbium	159-2				106		%
Thallium	203-1	0.70	0.76	0.79	0.75	6.39	ppb
Thallium	205-1	0.73	0.75	0.79	0.76	4.42	ppb
Tin	118-1	38.41	43.18	43.38	41.66	6.76	ppb
Titanium	47-1	145.01	157.20	160.72	154.31	5.34	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-03	Instrumnet Name :	P7
Client Sample ID :	MJNKA8	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:23:27	DataFile Name :	103SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.21	1.33	1.31	1.28	5.12	ppb
Vanadium	51-2	28.77	28.66	28.75	28.73	0.20	ppb
Yttrium	89-1				110		%
Yttrium	89-2				102		%
Zinc	66-2	2729.27	2752.95	2769.64	2750.62	0.74	ppb
Zirconium	90-1	0.90	0.98	1.15	1.01	12.65	ppb
Zirconium	91-1	1.03	1.11	1.21	1.12	8.09	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-04	Instrumnet Name :	P7
Client Sample ID :	MJNKA9	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:26:30	DataFile Name :	104SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	5604.93	5666.66	5607.28	5626.29	0.62	ppb
Antimony	121-1	18.60	19.10	19.10	18.93	1.52	ppb
Arsenic	75-2	36.80	36.69	36.13	36.54	0.98	ppb
Barium	135-1	26.73	27.36	27.37	27.15	1.34	ppb
Barium	137-1	26.94	27.45	27.71	27.37	1.43	ppb
Beryllium	9-1	0.14	0.15	0.11	0.13	15.55	ppb
Bismuth	209-1				113		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.89	1.03	0.78	0.90	13.97	ppb
Cadmium	106-1	0.46	-0.18	0.62	0.30	140.26	ppb
Cadmium	111-1	0.49	0.51	0.57	0.52	8.50	ppb
Calcium	43-1	14961.40	15112.04	15302.79	15125.41	1.13	ppb
Calcium	44-1	14463.39	14711.23	14829.57	14668.06	1.27	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	17.98	18.31	18.23	18.17	0.94	ppb
Cobalt	59-2	10.00	10.00	9.88	9.96	0.72	ppb
Copper	63-2	153.02	154.27	152.75	153.35	0.53	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				112		%
Holmium	165-2				105		%
Indium	115-1				106		%
Indium	115-2				99		%
Iron	56-2	12974.09	13180.93	13125.02	13093.34	0.82	ppb
Iron	57-2	13194.99	12822.16	13015.30	13010.82	1.43	ppb
Iron	54-2	13275.65	13217.97	13279.02	13257.55	0.26	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-04	Instrumnet Name :	P7
Client Sample ID :	MJNKA9	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:26:30	DataFile Name :	104SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	64.80	67.05	66.74	66.20	1.84	ppb
Lead	207-1	63.29	65.43	65.23	64.65	1.83	ppb
Lead	208-1	63.57	65.55	65.13	64.75	1.62	ppb
Lithium	6-1				102		%
Magnesium	24-2	3760.64	3812.45	3813.21	3795.44	0.79	ppb
Manganese	55-2	127.76	127.69	127.54	127.66	0.09	ppb
Molybdenum	94-1	5.92	6.16	6.16	6.08	2.35	ppb
Molybdenum	95-1	1.82	1.88	1.94	1.88	3.10	ppb
Molybdenum	96-1	2.37	2.45	2.33	2.38	2.57	ppb
Molybdenum	97-1	1.82	1.91	1.96	1.90	3.63	ppb
Molybdenum	98-1	1.86	1.91	1.96	1.91	2.59	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	18.79	18.83	18.85	18.82	0.18	ppb
Phosphorus	31-2	869.57	890.19	884.85	881.54	1.21	ppb
Potassium	39-2	1070.86	1077.55	1075.59	1074.67	0.32	ppb
Rhodium	103-1				103		%
Rhodium	103-2				102		%
Scandium	45-1				98		%
Scandium	45-2				92		%
Selenium	82-1	0.77	0.66	0.81	0.75	10.29	ppb
Selenium	77-2	3.96	4.12	3.49	3.86	8.47	ppb
Selenium	78-2	0.13	-0.01	-0.29	-0.06		ppb
Silicon	28-1	150.28	150.65	157.42	152.78	2.63	ppb
Silver	107-1	0.51	0.50	0.53	0.52	2.98	ppb
Silver	109-1	0.51	0.49	0.51	0.50	1.68	ppb
Sodium	23-2	7582.65	7604.02	7660.44	7615.70	0.53	ppb
Strontium	86-1	1550.32	1587.09	1578.53	1571.98	1.22	ppb
Strontium	88-1	1589.87	1630.08	1625.32	1615.09	1.36	ppb
Sulfur	34-1	1738.40	1911.09	2048.82	1899.43	8.19	ppb
Terbium	159-1				110		%
Terbium	159-2				105		%
Thallium	203-1	0.18	0.21	0.20	0.20	6.65	ppb
Thallium	205-1	0.18	0.20	0.19	0.19	4.08	ppb
Tin	118-1	5.27	5.41	5.41	5.37	1.50	ppb
Titanium	47-1	515.23	522.05	528.70	521.99	1.29	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-04	Instrumnet Name :	P7
Client Sample ID :	MJNKA9	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:26:30	DataFile Name :	104SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.96	1.02	1.00	0.99	2.70	ppb
Vanadium	51-2	30.33	30.34	30.53	30.40	0.37	ppb
Yttrium	89-1				106		%
Yttrium	89-2				98		%
Zinc	66-2	294.42	297.01	296.13	295.85	0.45	ppb
Zirconium	90-1	2.42	2.49	2.63	2.51	4.22	ppb
Zirconium	91-1	2.45	2.55	2.49	2.49	2.13	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-05	Instrumnet Name :	P7
Client Sample ID :	MJNKB0	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:29:41	DataFile Name :	105SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10671.12	10769.44	10763.57	10734.71	0.51	ppb
Antimony	121-1	766.43	789.54	809.70	788.56	2.75	ppb
Arsenic	75-2	1059.63	1066.55	1083.25	1069.81	1.14	ppb
Barium	135-1	94.74	97.09	99.93	97.25	2.67	ppb
Barium	137-1	96.14	99.20	100.92	98.76	2.45	ppb
Beryllium	9-1	0.59	0.65	0.68	0.64	7.34	ppb
Bismuth	209-1				115		%
Bismuth	209-2				108		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.67	2.46	2.62	2.58	4.23	ppb
Cadmium	106-1	2.57	2.29	2.62	2.49	7.19	ppb
Cadmium	111-1	1.40	1.43	1.45	1.43	1.75	ppb
Calcium	43-1	6115.66	6339.66	6274.10	6243.14	1.84	ppb
Calcium	44-1	5919.09	6158.25	6081.60	6052.98	2.02	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	43.05	43.32	43.63	43.33	0.67	ppb
Cobalt	59-2	50.59	50.44	50.71	50.58	0.27	ppb
Copper	63-2	496.06	493.52	484.64	491.41	1.22	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				114		%
Holmium	165-2				108		%
Indium	115-1				113		%
Indium	115-2				109		%
Iron	56-2	53297.99	53628.27	53480.04	53468.77	0.31	ppb
Iron	57-2	52037.18	52161.37	52777.27	52325.27	0.76	ppb
Iron	54-2	53697.65	53237.32	53475.53	53470.17	0.43	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-05	Instrumnet Name :	P7
Client Sample ID :	MJNKB0	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:29:41	DataFile Name :	105SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	839.13	872.91	868.58	860.21	2.14	ppb
Lead	207-1	842.12	866.86	853.71	854.23	1.45	ppb
Lead	208-1	837.93	863.74	853.73	851.80	1.53	ppb
Lithium	6-1				104		%
Magnesium	24-2	7891.63	7957.49	7870.23	7906.45	0.58	ppb
Manganese	55-2	468.11	469.67	472.44	470.07	0.47	ppb
Molybdenum	94-1	52.20	53.73	53.67	53.20	1.63	ppb
Molybdenum	95-1	55.11	56.50	56.68	56.10	1.53	ppb
Molybdenum	96-1	55.68	57.15	57.19	56.67	1.52	ppb
Molybdenum	97-1	55.86	57.18	56.96	56.67	1.25	ppb
Molybdenum	98-1	55.58	56.73	57.01	56.44	1.34	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	63.32	63.46	63.75	63.51	0.34	ppb
Phosphorus	31-2	939.21	968.04	965.20	957.48	1.66	ppb
Potassium	39-2	2558.37	2550.16	2532.86	2547.13	0.51	ppb
Rhodium	103-1				106		%
Rhodium	103-2				106		%
Scandium	45-1				103		%
Scandium	45-2				100		%
Selenium	82-1	1.51	1.35	1.43	1.43	5.77	ppb
Selenium	77-2	3.83	3.41	6.33	4.52	34.93	ppb
Selenium	78-2	0.58	0.31	0.48	0.46	30.50	ppb
Silicon	28-1	270.43	278.71	326.02	291.72	10.28	ppb
Silver	107-1	1.57	1.61	1.68	1.62	3.58	ppb
Silver	109-1	1.54	1.56	1.62	1.57	2.39	ppb
Sodium	23-2	7175.86	7160.47	7160.72	7165.68	0.12	ppb
Strontium	86-1	1245.25	1278.17	1274.86	1266.09	1.43	ppb
Strontium	88-1	1287.52	1303.30	1316.09	1302.30	1.10	ppb
Sulfur	34-1	891.63	941.19	811.18	881.33	7.44	ppb
Terbium	159-1				111		%
Terbium	159-2				107		%
Thallium	203-1	0.72	0.74	0.72	0.73	1.95	ppb
Thallium	205-1	0.71	0.76	0.72	0.73	3.72	ppb
Tin	118-1	141.42	148.56	153.16	147.71	4.00	ppb
Titanium	47-1	357.56	372.84	372.41	367.60	2.37	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-05	Instrumnet Name :	P7
Client Sample ID :	MJNKB0	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:29:41	DataFile Name :	105SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.19	1.22	1.21	1.21	1.28	ppb
Vanadium	51-2	43.08	43.10	43.31	43.16	0.29	ppb
Yttrium	89-1				111		%
Yttrium	89-2				105		%
Zinc	66-2	2476.27	2505.35	2521.98	2501.20	0.93	ppb
Zirconium	90-1	3.49	3.65	3.65	3.59	2.52	ppb
Zirconium	91-1	3.70	3.82	3.84	3.79	2.05	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-09	Instrumnet Name :	P7
Client Sample ID :	MJNKB2	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:32:42	DataFile Name :	106SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	18733.08	18592.73	18616.81	18647.54	0.40	ppb
Antimony	121-1	2860.63	2944.66	2937.31	2914.20	1.60	ppb
Arsenic	75-2	7998.30	7900.85	8092.55	7997.24	1.20	ppb
Barium	135-1	285.38	294.36	293.54	291.09	1.71	ppb
Barium	137-1	297.49	311.52	309.50	306.17	2.48	ppb
Beryllium	9-1	1.73	1.74	1.75	1.74	0.50	ppb
Bismuth	209-1				117		%
Bismuth	209-2				109		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	21.42	20.94	20.76	21.04	1.62	ppb
Cadmium	106-1	20.14	19.94	19.84	19.97	0.76	ppb
Cadmium	111-1	12.52	12.95	12.72	12.73	1.70	ppb
Calcium	43-1	44778.98	45660.29	44987.31	45142.19	1.02	ppb
Calcium	44-1	44163.71	45650.47	45344.73	45052.97	1.74	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	171.55	170.62	172.97	171.71	0.69	ppb
Cobalt	59-2	259.18	260.13	264.88	261.40	1.17	ppb
Copper	63-2	3171.26	3133.40	3179.73	3161.46	0.78	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				112		%
Holmium	165-2				107		%
Indium	115-1				130		%
Indium	115-2				123		%
Iron	56-2	235945.09	234892.41	237799.65	236212.38	0.62	ppb
Iron	57-2	235860.37	233309.36	236375.24	235181.66	0.70	ppb
Iron	54-2	235881.57	236641.17	240846.70	237789.81	1.12	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-09	Instrumnet Name :	P7
Client Sample ID :	MJNKB2	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:32:42	DataFile Name :	106SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	4481.84	4494.07	4584.71	4520.20	1.24	ppb
Lead	207-1	4400.18	4397.88	4551.77	4449.94	1.98	ppb
Lead	208-1	4405.42	4440.90	4550.62	4465.65	1.70	ppb
Lithium	6-1				103		%
Magnesium	24-2	8369.39	8330.16	8473.82	8391.12	0.88	ppb
Manganese	55-2	881.09	885.83	897.46	888.13	0.95	ppb
Molybdenum	94-1	479.19	490.78	486.12	485.36	1.20	ppb
Molybdenum	95-1	551.47	568.21	564.08	561.25	1.55	ppb
Molybdenum	96-1	546.56	558.02	562.33	555.64	1.47	ppb
Molybdenum	97-1	552.70	563.86	566.14	560.90	1.28	ppb
Molybdenum	98-1	549.64	566.69	562.86	559.73	1.60	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	99.47	98.81	99.98	99.42	0.59	ppb
Phosphorus	31-2	1010.64	993.87	1010.38	1004.96	0.96	ppb
Potassium	39-2	4609.26	4579.64	4647.67	4612.19	0.74	ppb
Rhodium	103-1				105		%
Rhodium	103-2				104		%
Scandium	45-1				103		%
Scandium	45-2				100		%
Selenium	82-1	4.53	4.20	4.27	4.34	3.95	ppb
Selenium	77-2	7.39	7.90	7.34	7.54	4.07	ppb
Selenium	78-2	3.92	4.21	4.08	4.07	3.55	ppb
Silicon	28-1	2436.81	2580.47	2608.68	2541.99	3.63	ppb
Silver	107-1	7.34	7.52	7.67	7.51	2.19	ppb
Silver	109-1	7.22	7.45	7.54	7.40	2.19	ppb
Sodium	23-2	14684.07	14610.69	14666.72	14653.82	0.26	ppb
Strontium	86-1	7987.13	8511.70	8184.75	8227.86	3.22	ppb
Strontium	88-1	8263.74	8453.91	8447.31	8388.32	1.29	ppb
Sulfur	34-1	5066.17	5317.93	5300.82	5228.31	2.69	ppb
Terbium	159-1				111		%
Terbium	159-2				108		%
Thallium	203-1	4.97	5.06	5.16	5.06	1.86	ppb
Thallium	205-1	4.94	5.04	5.09	5.02	1.53	ppb
Tin	118-1	693.84	700.99	707.14	700.66	0.95	ppb
Titanium	47-1	967.82	1025.27	1020.05	1004.38	3.16	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-09	Instrumnet Name :	P7
Client Sample ID :	MJNKB2	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:32:42	DataFile Name :	106SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	8.05	8.24	8.42	8.24	2.22	ppb
Vanadium	51-2	59.52	59.04	59.85	59.47	0.68	ppb
Yttrium	89-1				111		%
Yttrium	89-2				106		%
Zinc	66-2	16130.53	16021.58	16191.21	16114.44	0.53	ppb
Zirconium	90-1	16.55	16.96	17.14	16.89	1.79	ppb
Zirconium	91-1	18.46	18.76	18.71	18.64	0.87	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-10	Instrumnet Name :	P7
Client Sample ID :	MJNKB3	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:36:36	DataFile Name :	107SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9555.08	9638.97	9445.96	9546.67	1.01	ppb
Antimony	121-1	517.31	520.70	521.46	519.82	0.42	ppb
Arsenic	75-2	685.28	692.38	676.68	684.78	1.15	ppb
Barium	135-1	80.58	82.44	83.06	82.02	1.57	ppb
Barium	137-1	82.77	82.44	83.75	82.99	0.82	ppb
Beryllium	9-1	0.36	0.38	0.41	0.38	7.48	ppb
Bismuth	209-1				115		%
Bismuth	209-2				108		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.79	2.30	2.04	2.04	12.37	ppb
Cadmium	106-1	2.31	2.22	1.20	1.91	32.33	ppb
Cadmium	111-1	1.00	1.01	1.05	1.02	2.83	ppb
Calcium	43-1	5562.82	5670.33	5681.81	5638.32	1.16	ppb
Calcium	44-1	5295.73	5460.31	5488.41	5414.82	1.92	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	33.64	33.41	33.18	33.41	0.69	ppb
Cobalt	59-2	41.48	41.28	41.07	41.28	0.50	ppb
Copper	63-2	292.64	286.95	290.69	290.09	1.00	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				114		%
Holmium	165-2				107		%
Indium	115-1				113		%
Indium	115-2				107		%
Iron	56-2	45086.05	45150.01	44245.46	44827.18	1.13	ppb
Iron	57-2	44498.77	44328.89	43820.03	44215.90	0.80	ppb
Iron	54-2	44991.61	45290.31	44352.80	44878.24	1.07	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-10	Instrumnet Name :	P7
Client Sample ID :	MJNKB3	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:36:36	DataFile Name :	107SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	620.07	637.01	643.79	633.63	1.93	ppb
Lead	207-1	616.08	635.45	645.39	632.31	2.36	ppb
Lead	208-1	621.68	637.90	644.12	634.56	1.83	ppb
Lithium	6-1				103		%
Magnesium	24-2	7789.06	7691.76	7567.32	7682.71	1.45	ppb
Manganese	55-2	467.19	464.71	467.33	466.41	0.32	ppb
Molybdenum	94-1	20.29	20.74	20.48	20.50	1.10	ppb
Molybdenum	95-1	15.18	15.78	15.68	15.55	2.06	ppb
Molybdenum	96-1	16.19	16.57	16.46	16.40	1.18	ppb
Molybdenum	97-1	15.39	15.82	15.97	15.72	1.92	ppb
Molybdenum	98-1	15.36	15.80	15.77	15.64	1.58	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	52.48	52.52	52.31	52.44	0.21	ppb
Phosphorus	31-2	1110.96	1162.19	1123.11	1132.09	2.36	ppb
Potassium	39-2	2460.67	2455.35	2424.18	2446.74	0.81	ppb
Rhodium	103-1				108		%
Rhodium	103-2				106		%
Scandium	45-1				105		%
Scandium	45-2				101		%
Selenium	82-1	1.07	1.14	1.45	1.22	16.64	ppb
Selenium	77-2	4.29	3.16	2.50	3.32	27.28	ppb
Selenium	78-2	1.69	0.78	-0.18	0.76	122.74	ppb
Silicon	28-1	154.00	157.67	200.62	170.76	15.18	ppb
Silver	107-1	0.84	0.86	0.84	0.85	1.56	ppb
Silver	109-1	0.84	0.82	0.86	0.84	1.97	ppb
Sodium	23-2	7344.22	7281.72	7218.08	7281.34	0.87	ppb
Strontium	86-1	1119.68	1153.63	1150.98	1141.43	1.65	ppb
Strontium	88-1	1137.56	1178.57	1167.78	1161.30	1.83	ppb
Sulfur	34-1	555.33	583.10	628.96	589.13	6.31	ppb
Terbium	159-1				113		%
Terbium	159-2				107		%
Thallium	203-1	0.35	0.36	0.37	0.36	2.21	ppb
Thallium	205-1	0.35	0.36	0.36	0.36	1.17	ppb
Tin	118-1	101.28	102.13	103.00	102.14	0.84	ppb
Titanium	47-1	322.57	328.74	332.20	327.83	1.49	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-10	Instrumnet Name :	P7
Client Sample ID :	MJNKB3	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:36:36	DataFile Name :	107SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.76	0.77	0.77	0.77	0.63	ppb
Vanadium	51-2	40.73	40.72	40.76	40.74	0.04	ppb
Yttrium	89-1				111		%
Yttrium	89-2				105		%
Zinc	66-2	2122.49	2121.56	2079.71	2107.92	1.16	ppb
Zirconium	90-1	4.08	4.67	4.26	4.34	6.98	ppb
Zirconium	91-1	4.26	4.43	4.38	4.36	2.05	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-11	Instrumnet Name :	P7
Client Sample ID :	MJNKB4	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:39:39	DataFile Name :	108SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	17814.70	17692.25	17538.97	17681.97	0.78	ppb
Antimony	121-1	2376.99	2456.82	2437.13	2423.65	1.72	ppb
Arsenic	75-2	5219.88	5279.70	5307.97	5269.18	0.85	ppb
Barium	135-1	652.85	676.36	668.25	665.82	1.79	ppb
Barium	137-1	657.58	686.35	670.61	671.51	2.15	ppb
Beryllium	9-1	1.12	1.20	1.26	1.19	5.82	ppb
Bismuth	209-1				115		%
Bismuth	209-2				108		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	12.32	12.25	12.70	12.42	1.94	ppb
Cadmium	106-1	13.60	15.49	13.29	14.13	8.44	ppb
Cadmium	111-1	5.74	6.22	5.94	5.97	3.98	ppb
Calcium	43-1	70680.26	75177.44	73962.82	73273.51	3.18	ppb
Calcium	44-1	70894.24	74161.89	73703.45	72919.86	2.43	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	48.94	48.63	48.73	48.77	0.33	ppb
Cobalt	59-2	142.62	142.11	141.30	142.01	0.47	ppb
Copper	63-2	2403.09	2409.98	2388.17	2400.41	0.46	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				113		%
Holmium	165-2				107		%
Indium	115-1				144		%
Indium	115-2				136		%
Iron	56-2	152724.88	151330.06	151352.07	151802.34	0.53	ppb
Iron	57-2	150004.93	150244.29	149162.77	149804.00	0.38	ppb
Iron	54-2	152442.44	151393.00	151148.08	151661.17	0.45	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-11	Instrumnet Name :	P7
Client Sample ID :	MJNKB4	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:39:39	DataFile Name :	108SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	4397.01	4600.58	4587.98	4528.52	2.52	ppb
Lead	207-1	4420.53	4598.51	4565.04	4528.03	2.09	ppb
Lead	208-1	4402.65	4594.27	4564.84	4520.59	2.28	ppb
Lithium	6-1				102		%
Magnesium	24-2	9368.14	9317.45	9350.79	9345.46	0.28	ppb
Manganese	55-2	1362.39	1350.59	1346.68	1353.22	0.60	ppb
Molybdenum	94-1	122.43	127.08	125.84	125.12	1.92	ppb
Molybdenum	95-1	111.37	115.61	115.14	114.04	2.04	ppb
Molybdenum	96-1	113.01	117.74	118.27	116.34	2.49	ppb
Molybdenum	97-1	112.70	116.49	116.21	115.13	1.84	ppb
Molybdenum	98-1	112.17	116.59	116.46	115.07	2.19	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	83.41	83.42	82.92	83.25	0.34	ppb
Phosphorus	31-2	1157.35	1175.33	1177.64	1170.10	0.95	ppb
Potassium	39-2	4464.97	4523.33	4497.90	4495.40	0.65	ppb
Rhodium	103-1				106		%
Rhodium	103-2				103		%
Scandium	45-1				104		%
Scandium	45-2				100		%
Selenium	82-1	4.22	4.62	4.38	4.41	4.50	ppb
Selenium	77-2	5.75	5.19	7.45	6.13	19.21	ppb
Selenium	78-2	3.72	3.37	4.78	3.96	18.50	ppb
Silicon	28-1	739.82	791.02	771.66	767.50	3.37	ppb
Silver	107-1	6.61	7.02	6.88	6.84	3.01	ppb
Silver	109-1	6.61	6.94	6.80	6.78	2.48	ppb
Sodium	23-2	16037.73	15811.30	15883.15	15910.73	0.73	ppb
Strontium	86-1	10812.77	11419.37	11368.36	11200.16	3.00	ppb
Strontium	88-1	10705.02	11165.12	11229.73	11033.29	2.59	ppb
Sulfur	34-1	3313.15	3772.19	3726.45	3603.93	7.02	ppb
Terbium	159-1				112		%
Terbium	159-2				107		%
Thallium	203-1	1.23	1.29	1.28	1.27	2.32	ppb
Thallium	205-1	1.21	1.27	1.26	1.25	2.51	ppb
Tin	118-1	790.08	831.61	808.54	810.08	2.57	ppb
Titanium	47-1	615.52	647.96	647.73	637.07	2.93	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-11	Instrumnet Name :	P7
Client Sample ID :	MJNKB4	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:39:39	DataFile Name :	108SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	3.74	3.96	3.94	3.88	3.07	ppb
Vanadium	51-2	53.54	52.99	53.17	53.23	0.53	ppb
Yttrium	89-1				110		%
Yttrium	89-2				105		%
Zinc	66-2	15709.63	15666.31	15563.66	15646.54	0.48	ppb
Zirconium	90-1	16.22	16.99	17.06	16.76	2.78	ppb
Zirconium	91-1	17.22	18.24	18.07	17.84	3.04	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-12	Instrumnet Name :	P7
Client Sample ID :	MJNKB5	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:42:34	DataFile Name :	109SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	7923.04	7737.05	7957.43	7872.50	1.51	ppb
Antimony	121-1	28.69	28.82	28.88	28.80	0.33	ppb
Arsenic	75-2	43.82	43.39	43.78	43.66	0.54	ppb
Barium	135-1	16.39	16.63	16.73	16.59	1.06	ppb
Barium	137-1	16.76	17.21	16.62	16.86	1.83	ppb
Beryllium	9-1	0.25	0.24	0.21	0.23	7.72	ppb
Bismuth	209-1				110		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.60	0.70	0.41	0.57	26.26	ppb
Cadmium	106-1	0.85	0.66	0.95	0.82	17.40	ppb
Cadmium	111-1	0.22	0.23	0.26	0.24	8.20	ppb
Calcium	43-1	3497.30	3506.52	3525.98	3509.93	0.42	ppb
Calcium	44-1	3355.76	3371.98	3366.61	3364.78	0.25	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	28.74	28.91	29.05	28.90	0.52	ppb
Cobalt	59-2	16.23	16.40	16.44	16.35	0.69	ppb
Copper	63-2	48.17	48.60	48.91	48.56	0.76	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				112		%
Holmium	165-2				107		%
Indium	115-1				107		%
Indium	115-2				104		%
Iron	56-2	25164.76	25005.57	25309.78	25160.04	0.60	ppb
Iron	57-2	24768.45	24712.98	25105.43	24862.28	0.85	ppb
Iron	54-2	25343.86	25446.92	25372.15	25387.64	0.21	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-12	Instrumnet Name :	P7
Client Sample ID :	MJNKB5	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:42:34	DataFile Name :	109SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	50.98	51.87	51.36	51.40	0.87	ppb
Lead	207-1	48.89	50.32	49.91	49.70	1.48	ppb
Lead	208-1	49.72	50.83	50.19	50.25	1.11	ppb
Lithium	6-1				103		%
Magnesium	24-2	7397.95	7255.41	7351.17	7334.84	0.99	ppb
Manganese	55-2	294.73	290.58	293.82	293.05	0.74	ppb
Molybdenum	94-1	6.18	6.40	6.38	6.32	1.92	ppb
Molybdenum	95-1	0.97	1.00	0.98	0.99	1.67	ppb
Molybdenum	96-1	1.66	1.79	1.75	1.73	3.81	ppb
Molybdenum	97-1	0.98	1.03	1.09	1.03	5.27	ppb
Molybdenum	98-1	0.97	1.04	0.97	0.99	3.98	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	44.64	44.85	45.44	44.98	0.92	ppb
Phosphorus	31-2	692.27	665.20	701.75	686.41	2.76	ppb
Potassium	39-2	2086.70	2080.09	2125.26	2097.35	1.16	ppb
Rhodium	103-1				107		%
Rhodium	103-2				107		%
Scandium	45-1				105		%
Scandium	45-2				101		%
Selenium	82-1	0.72	0.70	0.44	0.62	25.02	ppb
Selenium	77-2	3.97	3.08	2.82	3.29	18.33	ppb
Selenium	78-2	1.01	0.19	0.50	0.57	72.90	ppb
Silicon	28-1	159.48	159.04	158.94	159.15	0.18	ppb
Silver	107-1	0.19	0.17	0.17	0.17	7.16	ppb
Silver	109-1	0.18	0.17	0.15	0.17	7.78	ppb
Sodium	23-2	6087.12	5959.71	6100.81	6049.21	1.29	ppb
Strontium	86-1	792.72	800.67	808.62	800.67	0.99	ppb
Strontium	88-1	787.53	803.17	796.91	795.87	0.99	ppb
Sulfur	34-1	533.05	499.86	446.62	493.18	8.84	ppb
Terbium	159-1				110		%
Terbium	159-2				107		%
Thallium	203-1	0.14	0.16	0.15	0.15	5.22	ppb
Thallium	205-1	0.15	0.15	0.14	0.15	2.90	ppb
Tin	118-1	6.42	6.55	6.49	6.49	1.02	ppb
Titanium	47-1	304.71	308.27	308.10	307.02	0.65	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-12	Instrumnet Name :	P7
Client Sample ID :	MJNKB5	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:42:34	DataFile Name :	109SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.39	0.40	0.39	0.39	2.39	ppb
Vanadium	51-2	34.36	34.45	35.10	34.64	1.16	ppb
Yttrium	89-1				110		%
Yttrium	89-2				106		%
Zinc	66-2	193.73	193.68	196.56	194.65	0.85	ppb
Zirconium	90-1	2.96	3.01	3.00	2.99	1.02	ppb
Zirconium	91-1	2.98	3.08	3.07	3.04	1.75	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-13	Instrumnet Name :	P7
Client Sample ID :	MJNKB9	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:45:43	DataFile Name :	110SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	5638.11	5714.77	5627.32	5660.07	0.84	ppb
Antimony	121-1	2.52	2.71	2.52	2.58	4.14	ppb
Arsenic	75-2	11.41	11.96	11.90	11.76	2.58	ppb
Barium	135-1	11.10	11.98	11.06	11.38	4.55	ppb
Barium	137-1	11.27	11.87	11.04	11.40	3.74	ppb
Beryllium	9-1	0.13	0.17	0.18	0.16	16.38	ppb
Bismuth	209-1				110		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.21	0.43	0.26	0.30	38.51	ppb
Cadmium	106-1	-0.02	0.31	0.70	0.33	110.00	ppb
Cadmium	111-1	0.06	0.06	0.07	0.06	11.57	ppb
Calcium	43-1	4170.85	4415.30	4134.88	4240.34	3.60	ppb
Calcium	44-1	4060.16	4378.63	4001.81	4146.87	4.89	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	15.48	15.87	15.87	15.74	1.44	ppb
Cobalt	59-2	6.74	6.79	6.75	6.76	0.41	ppb
Copper	63-2	30.26	29.90	29.84	30.00	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				110		%
Holmium	165-2				106		%
Indium	115-1				106		%
Indium	115-2				101		%
Iron	56-2	15444.35	15468.27	15347.37	15419.99	0.42	ppb
Iron	57-2	15214.85	15243.27	15345.85	15267.99	0.45	ppb
Iron	54-2	15434.19	15708.60	15367.82	15503.54	1.17	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-13	Instrumnet Name :	P7
Client Sample ID :	MJNKB9	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:45:43	DataFile Name :	110SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	13.51	14.54	13.32	13.79	4.73	ppb
Lead	207-1	12.98	13.87	12.85	13.23	4.21	ppb
Lead	208-1	13.18	14.14	13.01	13.45	4.54	ppb
Lithium	6-1				102		%
Magnesium	24-2	4147.38	4109.95	4137.54	4131.62	0.47	ppb
Manganese	55-2	390.97	399.71	386.88	392.52	1.67	ppb
Molybdenum	94-1	5.50	6.05	5.34	5.63	6.61	ppb
Molybdenum	95-1	0.73	0.74	0.69	0.72	3.80	ppb
Molybdenum	96-1	1.38	1.40	1.36	1.38	1.80	ppb
Molybdenum	97-1	0.74	0.81	0.73	0.76	5.25	ppb
Molybdenum	98-1	0.73	0.79	0.75	0.75	4.28	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	13.94	14.39	14.01	14.11	1.71	ppb
Phosphorus	31-2	1185.73	1176.46	1176.62	1179.60	0.45	ppb
Potassium	39-2	1084.68	1085.12	1081.40	1083.73	0.19	ppb
Rhodium	103-1				105		%
Rhodium	103-2				104		%
Scandium	45-1				102		%
Scandium	45-2				98		%
Selenium	82-1	0.26	0.64	0.57	0.49	41.59	ppb
Selenium	77-2	3.46	3.48	5.59	4.18	29.31	ppb
Selenium	78-2	1.52	0.78	0.50	0.93	56.72	ppb
Silicon	28-1	127.08	147.86	144.45	139.80	7.97	ppb
Silver	107-1	0.07	0.08	0.07	0.07	10.58	ppb
Silver	109-1	0.07	0.08	0.07	0.08	7.80	ppb
Sodium	23-2	7565.99	7542.47	7605.43	7571.30	0.42	ppb
Strontium	86-1	859.31	885.69	828.55	857.85	3.33	ppb
Strontium	88-1	838.86	885.56	823.35	849.26	3.81	ppb
Sulfur	34-1	575.19	934.14	633.66	714.33	26.96	ppb
Terbium	159-1				110		%
Terbium	159-2				106		%
Thallium	203-1	0.04	0.05	0.04	0.04	17.46	ppb
Thallium	205-1	0.05	0.06	0.05	0.05	12.33	ppb
Tin	118-1	1.13	1.22	1.13	1.16	4.51	ppb
Titanium	47-1	526.06	560.85	524.37	537.10	3.83	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-13	Instrumnet Name :	P7
Client Sample ID :	MJNKB9	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:45:43	DataFile Name :	110SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.33	0.35	0.33	0.33	3.50	ppb
Vanadium	51-2	45.19	45.78	45.07	45.35	0.84	ppb
Yttrium	89-1				109		%
Yttrium	89-2				103		%
Zinc	66-2	48.81	48.94	49.30	49.01	0.52	ppb
Zirconium	90-1	2.69	2.86	2.78	2.78	3.10	ppb
Zirconium	91-1	2.69	2.90	2.71	2.77	4.30	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-14	Instrumnet Name :	P7
Client Sample ID :	MJNKC1	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:49:29	DataFile Name :	111SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	5369.47	5360.81	5300.02	5343.44	0.71	ppb
Antimony	121-1	4.62	4.76	4.69	4.69	1.53	ppb
Arsenic	75-2	23.15	23.73	23.79	23.56	1.51	ppb
Barium	135-1	11.47	11.70	11.97	11.71	2.12	ppb
Barium	137-1	11.82	11.94	11.92	11.89	0.56	ppb
Beryllium	9-1	0.15	0.17	0.15	0.16	5.10	ppb
Bismuth	209-1				110		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.19	0.31	0.23	0.24	23.92	ppb
Cadmium	106-1	-0.01	0.05	-0.62	-0.19		ppb
Cadmium	111-1	0.11	0.09	0.08	0.09	13.36	ppb
Calcium	43-1	3182.68	3180.44	3231.81	3198.31	0.91	ppb
Calcium	44-1	3087.27	3119.86	3191.13	3132.75	1.70	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	16.31	16.31	16.36	16.33	0.17	ppb
Cobalt	59-2	6.96	6.85	6.87	6.89	0.81	ppb
Copper	63-2	51.83	51.99	52.30	52.04	0.46	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				111		%
Holmium	165-2				105		%
Indium	115-1				106		%
Indium	115-2				100		%
Iron	56-2	13589.11	13587.04	13757.63	13644.59	0.72	ppb
Iron	57-2	13689.30	13571.58	13757.39	13672.76	0.69	ppb
Iron	54-2	13711.47	13814.39	13805.36	13777.07	0.41	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-14	Instrumnet Name :	P7
Client Sample ID :	MJNKC1	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:49:29	DataFile Name :	111SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	23.15	23.13	23.54	23.27	1.01	ppb
Lead	207-1	22.31	22.85	22.58	22.58	1.18	ppb
Lead	208-1	22.61	22.75	22.87	22.74	0.58	ppb
Lithium	6-1				102		%
Magnesium	24-2	4200.91	4131.91	4162.41	4165.07	0.83	ppb
Manganese	55-2	154.01	152.97	154.29	153.76	0.45	ppb
Molybdenum	94-1	4.23	4.33	4.30	4.29	1.15	ppb
Molybdenum	95-1	0.43	0.43	0.41	0.42	2.76	ppb
Molybdenum	96-1	0.92	0.95	0.87	0.91	4.25	ppb
Molybdenum	97-1	0.40	0.42	0.42	0.41	2.17	ppb
Molybdenum	98-1	0.44	0.43	0.41	0.43	3.39	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	18.48	18.25	17.79	18.17	1.93	ppb
Phosphorus	31-2	810.39	832.94	827.81	823.71	1.43	ppb
Potassium	39-2	1257.90	1261.75	1264.20	1261.28	0.25	ppb
Rhodium	103-1				106		%
Rhodium	103-2				104		%
Scandium	45-1				101		%
Scandium	45-2				96		%
Selenium	82-1	0.27	0.46	0.46	0.39	28.05	ppb
Selenium	77-2	3.49	4.65	1.82	3.32	42.83	ppb
Selenium	78-2	-0.29	0.26	0.48	0.15	270.31	ppb
Silicon	28-1	155.29	147.57	139.50	147.45	5.36	ppb
Silver	107-1	0.16	0.17	0.17	0.17	1.30	ppb
Silver	109-1	0.16	0.16	0.17	0.17	4.06	ppb
Sodium	23-2	5836.19	5836.73	5806.35	5826.42	0.30	ppb
Strontium	86-1	659.40	667.34	676.56	667.77	1.29	ppb
Strontium	88-1	660.41	668.15	666.60	665.06	0.62	ppb
Sulfur	34-1	541.88	587.23	614.05	581.05	6.28	ppb
Terbium	159-1				110		%
Terbium	159-2				106		%
Thallium	203-1	0.10	0.09	0.10	0.10	5.68	ppb
Thallium	205-1	0.09	0.09	0.10	0.09	1.03	ppb
Tin	118-1	2.66	2.74	2.77	2.72	2.02	ppb
Titanium	47-1	315.65	325.06	329.71	323.47	2.22	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-14	Instrumnet Name :	P7
Client Sample ID :	MJNKC1	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:49:29	DataFile Name :	111SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.31	0.32	0.32	0.32	1.25	ppb
Vanadium	51-2	28.39	28.64	28.60	28.54	0.48	ppb
Yttrium	89-1				108		%
Yttrium	89-2				102		%
Zinc	66-2	64.64	64.10	66.24	64.99	1.71	ppb
Zirconium	90-1	2.24	2.12	2.14	2.17	3.05	ppb
Zirconium	91-1	2.18	2.30	2.14	2.21	3.79	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-15	Instrumnet Name :	P7
Client Sample ID :	MJNKC2	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:52:40	DataFile Name :	112SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	6671.66	6638.45	6740.89	6683.67	0.78	ppb
Antimony	121-1	0.36	0.36	0.35	0.36	2.10	ppb
Arsenic	75-2	6.35	6.71	6.57	6.54	2.74	ppb
Barium	135-1	12.94	13.12	13.00	13.02	0.68	ppb
Barium	137-1	13.01	13.18	13.26	13.15	0.99	ppb
Beryllium	9-1	0.21	0.20	0.20	0.21	2.74	ppb
Bismuth	209-1				110		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.37	0.35	0.44	0.39	12.20	ppb
Cadmium	106-1	0.45	0.71	0.16	0.44	63.03	ppb
Cadmium	111-1	0.10	0.11	0.09	0.10	11.22	ppb
Calcium	43-1	4667.11	4726.73	4702.97	4698.94	0.64	ppb
Calcium	44-1	4511.62	4648.02	4700.59	4620.08	2.11	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	14.47	14.36	14.60	14.47	0.83	ppb
Cobalt	59-2	6.68	6.52	6.72	6.64	1.54	ppb
Copper	63-2	23.79	23.51	23.81	23.70	0.70	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				111		%
Holmium	165-2				105		%
Indium	115-1				105		%
Indium	115-2				99		%
Iron	56-2	16877.40	16726.29	16896.88	16833.52	0.55	ppb
Iron	57-2	16930.78	16820.63	16756.44	16835.95	0.52	ppb
Iron	54-2	17085.82	16881.46	17171.64	17046.31	0.87	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-15	Instrumnet Name :	P7
Client Sample ID :	MJNKC2	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:52:40	DataFile Name :	112SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	5.37	5.46	5.45	5.43	0.89	ppb
Lead	207-1	5.07	5.09	5.21	5.12	1.43	ppb
Lead	208-1	5.23	5.21	5.19	5.21	0.41	ppb
Lithium	6-1				102		%
Magnesium	24-2	4529.12	4497.17	4543.34	4523.21	0.52	ppb
Manganese	55-2	175.05	174.58	175.69	175.11	0.32	ppb
Molybdenum	94-1	10.14	10.38	10.37	10.30	1.29	ppb
Molybdenum	95-1	0.97	0.98	1.04	0.99	3.66	ppb
Molybdenum	96-1	2.16	2.12	2.12	2.13	1.13	ppb
Molybdenum	97-1	1.00	1.04	1.03	1.03	1.85	ppb
Molybdenum	98-1	0.99	1.03	1.05	1.03	2.98	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	13.67	13.93	13.86	13.82	0.99	ppb
Phosphorus	31-2	1348.47	1325.65	1363.62	1345.91	1.42	ppb
Potassium	39-2	1140.76	1125.41	1130.98	1132.39	0.69	ppb
Rhodium	103-1				104		%
Rhodium	103-2				103		%
Scandium	45-1				100		%
Scandium	45-2				96		%
Selenium	82-1	0.53	0.38	0.51	0.47	17.74	ppb
Selenium	77-2	5.97	4.93	4.94	5.28	11.35	ppb
Selenium	78-2	0.97	0.54	-0.51	0.33	229.78	ppb
Silicon	28-1	130.29	121.09	121.45	124.27	4.19	ppb
Silver	107-1	0.04	0.04	0.05	0.04	12.31	ppb
Silver	109-1	0.05	0.04	0.04	0.04	4.03	ppb
Sodium	23-2	6183.63	6142.65	6174.46	6166.92	0.35	ppb
Strontium	86-1	985.98	980.68	987.59	984.75	0.37	ppb
Strontium	88-1	961.83	993.73	1010.22	988.59	2.49	ppb
Sulfur	34-1	2534.67	2580.85	2677.14	2597.55	2.80	ppb
Terbium	159-1				109		%
Terbium	159-2				106		%
Thallium	203-1	0.06	0.06	0.06	0.06	4.90	ppb
Thallium	205-1	0.06	0.06	0.06	0.06	7.32	ppb
Tin	118-1	0.62	0.62	0.64	0.63	1.85	ppb
Titanium	47-1	467.52	468.75	470.93	469.07	0.37	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-15	Instrumnet Name :	P7
Client Sample ID :	MJNKC2	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:52:40	DataFile Name :	112SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.62	0.62	0.62	0.62	0.38	ppb
Vanadium	51-2	45.56	45.96	45.69	45.74	0.44	ppb
Yttrium	89-1				108		%
Yttrium	89-2				101		%
Zinc	66-2	37.98	37.86	38.79	38.21	1.32	ppb
Zirconium	90-1	5.12	5.19	5.63	5.31	5.17	ppb
Zirconium	91-1	5.56	5.21	5.37	5.38	3.19	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	CCV015	Instrumnet Name :	P7
Client Sample ID :	CCV015	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:55:52	DataFile Name :	113CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	50389.71	49997.02	50628.84	50338.52	0.63	ppb
Antimony	121-1	499.38	492.78	487.86	493.34	1.17	ppb
Arsenic	75-2	493.02	486.83	501.75	493.87	1.52	ppb
Barium	135-1	2501.66	2511.91	2437.92	2483.83	1.61	ppb
Barium	137-1	2483.86	2496.92	2463.03	2481.27	0.69	ppb
Beryllium	9-1	481.08	485.23	474.50	480.27	1.13	ppb
Bismuth	209-1				98		%
Bismuth	209-2				93		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	482.49	489.11	471.33	480.98	1.87	ppb
Cadmium	106-1	484.57	490.08	482.05	485.57	0.85	ppb
Cadmium	111-1	465.96	470.52	461.24	465.91	1.00	ppb
Calcium	43-1	252658.03	251167.41	258148.91	253991.45	1.45	ppb
Calcium	44-1	253087.94	252519.25	255766.70	253791.30	0.68	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	510.85	508.49	512.51	510.62	0.40	ppb
Cobalt	59-2	502.01	503.19	501.64	502.28	0.16	ppb
Copper	63-2	4949.86	4926.03	4962.73	4946.21	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				98		%
Indium	115-1				91		%
Indium	115-2				86		%
Iron	56-2	130156.73	129794.07	129878.73	129943.18	0.15	ppb
Iron	57-2	130138.39	129413.06	130445.54	129999.00	0.41	ppb
Iron	54-2	129607.08	130569.46	131062.54	130413.03	0.57	ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	CCV015	Instrumnet Name :	P7
Client Sample ID :	CCV015	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:55:52	DataFile Name :	113CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2606.70	2624.99	2617.67	2616.45	0.35	ppb
Lead	207-1	2570.72	2591.61	2584.67	2582.33	0.41	ppb
Lead	208-1	2577.99	2599.89	2584.88	2587.59	0.43	ppb
Lithium	6-1				93		%
Magnesium	24-2	249646.64	249373.65	250933.05	249984.45	0.33	ppb
Manganese	55-2	5005.14	5001.73	5020.57	5009.15	0.20	ppb
Molybdenum	94-1	5013.08	5084.34	5072.82	5056.75	0.76	ppb
Molybdenum	95-1	4986.00	5061.81	5079.10	5042.30	0.98	ppb
Molybdenum	96-1	5011.63	5098.62	5099.17	5069.81	0.99	ppb
Molybdenum	97-1	5041.63	5118.91	5108.38	5089.64	0.82	ppb
Molybdenum	98-1	5056.05	5094.34	5106.95	5085.78	0.52	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	481.00	481.79	484.24	482.34	0.35	ppb
Phosphorus	31-2	9920.66	9797.13	9968.35	9895.38	0.89	ppb
Potassium	39-2	123794.18	123438.17	125157.84	124130.06	0.73	ppb
Rhodium	103-1				87		%
Rhodium	103-2				85		%
Scandium	45-1				88		%
Scandium	45-2				82		%
Selenium	82-1	478.24	482.30	487.28	482.61	0.94	ppb
Selenium	77-2	478.54	461.96	484.22	474.91	2.44	ppb
Selenium	78-2	467.75	473.25	488.21	476.40	2.22	ppb
Silicon	28-1	251.16	251.52	253.97	252.22	0.61	ppb
Silver	107-1	476.75	487.75	470.62	478.37	1.81	ppb
Silver	109-1	484.23	478.75	468.50	477.16	1.67	ppb
Sodium	23-2	251322.33	249942.40	253463.90	251576.21	0.71	ppb
Strontium	86-1	12528.63	12620.86	12794.11	12647.87	1.07	ppb
Strontium	88-1	12572.20	12660.86	12791.33	12674.80	0.87	ppb
Sulfur	34-1	10325.43	10283.67	10312.88	10307.33	0.21	ppb
Terbium	159-1				102		%
Terbium	159-2				97		%
Thallium	203-1	518.89	521.72	525.17	521.92	0.60	ppb
Thallium	205-1	520.53	521.87	530.88	524.43	1.07	ppb
Tin	118-1	495.74	497.65	485.95	493.11	1.27	ppb
Titanium	47-1	4941.79	4988.69	4983.46	4971.31	0.52	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	CCV015	Instrumnet Name :	P7
Client Sample ID :	CCV015	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:55:52	DataFile Name :	113CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	514.89	520.31	517.89	517.70	0.52	ppb
Vanadium	51-2	513.29	503.38	519.46	512.04	1.58	ppb
Yttrium	89-1				94		%
Yttrium	89-2				87		%
Zinc	66-2	4868.80	4829.10	4885.88	4861.26	0.60	ppb
Zirconium	90-1	505.13	509.63	510.88	508.55	0.59	ppb
Zirconium	91-1	503.31	516.88	516.58	512.26	1.51	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	CCB015	Instrumnet Name :	P7
Client Sample ID :	CCB015	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 21:06:06	DataFile Name :	116CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.10	-0.07	0.00	-0.06		ppb
Antimony	121-1	0.05	0.04	0.02	0.04	29.60	ppb
Arsenic	75-2	0.03	-0.01	-0.02	0.00	701.93	ppb
Barium	135-1	0.02	-0.01	0.00	0.01	244.90	ppb
Barium	137-1	0.01	0.00	-0.01	0.00	640.07	ppb
Beryllium	9-1	0.01	0.03	0.00	0.01	153.71	ppb
Bismuth	209-1				109		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.02	-0.03	-0.03	-0.01		ppb
Cadmium	106-1	0.15	-1.24	-1.85	-0.98		ppb
Cadmium	111-1	0.01	-0.03	-0.04	-0.02		ppb
Calcium	43-1	0.09	-0.07	0.25	0.09	176.52	ppb
Calcium	44-1	0.46	-1.30	-0.90	-0.58		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.02	0.01	0.02	0.02	29.06	ppb
Cobalt	59-2	-0.01	-0.01	-0.01	-0.01		ppb
Copper	63-2	0.06	0.07	0.07	0.07	5.50	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				101		%
Indium	115-1				101		%
Indium	115-2				96		%
Iron	56-2	0.24	0.21	0.73	0.40	74.19	ppb
Iron	57-2	-0.09	-0.32	-1.51	-0.64		ppb
Iron	54-2	-0.35	0.15	0.13	-0.02		ppb
Krypton	83-1						cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	CCB015	Instrumnet Name :	P7
Client Sample ID :	CCB015	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 21:06:06	DataFile Name :	116CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.15	0.12	0.10	0.12	19.40	ppb
Lead	207-1	0.16	0.11	0.12	0.13	20.67	ppb
Lead	208-1	0.14	0.11	0.11	0.12	15.80	ppb
Lithium	6-1				99		%
Magnesium	24-2	-0.27	-0.22	-0.36	-0.29		ppb
Manganese	55-2	0.04	0.06	0.07	0.06	22.11	ppb
Molybdenum	94-1	0.23	0.00	0.01	0.08	165.59	ppb
Molybdenum	95-1	0.15	-0.01	-0.01	0.05	197.80	ppb
Molybdenum	96-1	0.12	0.01	0.02	0.05	120.55	ppb
Molybdenum	97-1	0.12	0.02	0.00	0.05	130.84	ppb
Molybdenum	98-1	0.12	0.00	0.00	0.04	156.61	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.01	-0.07	-0.05	-0.04		ppb
Phosphorus	31-2	-17.71	-19.58	-16.39	-17.89		ppb
Potassium	39-2	1.42	1.64	0.63	1.23	43.40	ppb
Rhodium	103-1				99		%
Rhodium	103-2				98		%
Scandium	45-1				93		%
Scandium	45-2				89		%
Selenium	82-1	0.47	0.10	-0.32	0.08	486.23	ppb
Selenium	77-2	0.17	0.00	0.00	0.06	173.21	ppb
Selenium	78-2	-0.25	-1.20	-0.13	-0.53		ppb
Silicon	28-1	-3.51	-3.17	-3.25	-3.31		ppb
Silver	107-1	0.01	0.00	0.00	0.01	101.71	ppb
Silver	109-1	0.01	0.01	0.00	0.01	28.37	ppb
Sodium	23-2	21.12	19.89	18.98	20.00	5.37	ppb
Strontium	86-1	3.09	-0.17	0.12	1.01	178.28	ppb
Strontium	88-1	2.83	0.10	0.06	0.99	159.66	ppb
Sulfur	34-1	-200.03	-93.64	-113.48	-135.72		ppb
Terbium	159-1				105		%
Terbium	159-2				101		%
Thallium	203-1	-0.01	-0.01	-0.01	-0.01		ppb
Thallium	205-1	0.00	0.00	0.00	0.00		ppb
Tin	118-1	0.02	0.01	0.00	0.01	75.19	ppb
Titanium	47-1	0.03	0.02	0.02	0.02	35.42	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	CCB015	Instrumnet Name :	P7
Client Sample ID :	CCB015	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 21:06:06	DataFile Name :	116CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	106.51	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	292.83	ppb
Yttrium	89-1				100		%
Yttrium	89-2				94		%
Zinc	66-2	0.15	0.10	0.10	0.12	26.35	ppb
Zirconium	90-1	0.03	0.00	0.00	0.01	215.51	ppb
Zirconium	91-1	0.03	0.02	0.01	0.02	58.69	ppb

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 14:36:11	DataFile Name :	003CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	93	93	107	98	7.88	cps
Antimony	121-1	43	53	80	59	32.19	cps
Arsenic	75-2	23	20	10	18	39.03	cps
Barium	135-1	53	60	70	61	13.73	cps
Barium	137-1	103	57	93	84	29.09	cps
Beryllium	9-1	70	77	63	70	9.53	cps
Bismuth	209-1	9131764	9033573	9211849	9125729	0.98	cps
Bismuth	209-2	8064088	8035867	8027063	8042339	0.24	cps
Bromine	81-1	14791	15265	15131	15062	1.62	cps
Bromine	81-2	220	233	193	216	9.45	cps
Cadmium	108-1	3	17	17	12	63.01	cps
Cadmium	106-1	4681	4497	4227	4469	5.11	cps
Cadmium	111-1	951	911	864	909	4.78	cps
Calcium	43-1	237	223	183	214	12.94	cps
Calcium	44-1	6625	6521	6705	6617	1.39	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2377	2190	2240	2269	4.26	cps
Cobalt	59-2	203	180	183	189	6.68	cps
Copper	63-2	1073	1117	1007	1066	5.20	cps
Dysprosium	156-1	20	7	10	12	56.76	cps
Dysprosium	156-2	3	10	13	9	57.30	cps
Erbium	164-1	50	80	80	70	24.74	cps
Erbium	164-2	63	60	57	60	5.55	cps
Gadolinium	160-1	90	47	43	60	43.39	cps
Gadolinium	160-2	690	660	710	687	3.66	cps
Holmium	165-1	15265650	14953494	14930579	15049908	1.24	cps
Holmium	165-2	11287602	11340922	11277327	11301950	0.30	cps
Indium	115-1	12756206	12728040	12629533	12704593	0.52	cps
Indium	115-2	4991309	5007176	4977079	4991855	0.30	cps
Iron	56-2	21783	21749	23166	22233	3.64	cps
Iron	57-2	1133	1297	1323	1251	8.22	cps
Iron	54-2	2787	2867	2717	2790	2.69	cps
Krypton	83-1	230	243	197	223	10.76	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 14:36:11	DataFile Name :	003CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	377	450	407	411	8.97	cps
Lead	207-1	387	330	353	357	7.99	cps
Lead	208-1	1577	1590	1527	1565	2.13	cps
Lithium	6-1	1953923	1951255	1957512	1954230	0.16	cps
Magnesium	24-2	963	920	1063	982	7.48	cps
Manganese	55-2	300	287	310	299	3.92	cps
Molybdenum	94-1	427	320	423	390	15.55	cps
Molybdenum	95-1	323	320	313	319	1.60	cps
Molybdenum	96-1	320	333	360	338	6.03	cps
Molybdenum	97-1	187	153	170	170	9.80	cps
Molybdenum	98-1	403	457	453	438	6.83	cps
Neodymium	150-1	7	7	7	7	0.00	cps
Neodymium	150-2	3	3	0	2	86.60	cps
Nickel	60-2	727	673	710	703	3.88	cps
Phosphorus	31-2	160	197	157	171	12.97	cps
Potassium	39-2	57508	58817	57772	58032	1.19	cps
Rhodium	103-1	11798118	11924757	11782099	11834991	0.66	cps
Rhodium	103-2	7299053	7150658	7170799	7206837	1.12	cps
Scandium	45-1	7142726	7010433	7045090	7066083	0.97	cps
Scandium	45-2	651561	644270	640906	645579	0.84	cps
Selenium	82-1	113	94	177	128	34.19	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	487	450	503	480	5.68	cps
Silicon	28-1	672209	666941	675136	671428	0.62	cps
Silver	107-1	113	120	87	107	16.53	cps
Silver	109-1	53	60	47	53	12.50	cps
Sodium	23-2	20133	19569	19479	19727	1.80	cps
Strontium	86-1	343	350	323	339	4.10	cps
Strontium	88-1	170	163	183	172	5.91	cps
Sulfur	34-1	192635	189786	188480	190300	1.12	cps
Terbium	159-1	15646949	15540991	15483833	15557258	0.53	cps
Terbium	159-2	11321367	11037571	11044537	11134492	1.45	cps
Thallium	203-1	373	433	380	396	8.31	cps
Thallium	205-1	943	777	873	864	9.68	cps
Tin	118-1	1097	1190	1007	1098	8.35	cps
Titanium	47-1	63	70	67	67	5.00	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 14:36:11	DataFile Name :	003CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	20	7	10	12	56.76	cps
Vanadium	51-2	37	23	33	31	22.31	cps
Yttrium	89-1	19239131	19088925	19098314	19142123	0.44	cps
Yttrium	89-2	5609649	5540495	5491703	5547282	1.07	cps
Zinc	66-2	133	127	160	140	12.60	cps
Zirconium	90-1	773	770	737	760	2.67	cps
Zirconium	91-1	147	143	90	127	25.11	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	S01	Instrumnet Name :	P7
Client Sample ID :	S01	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 14:46:11	DataFile Name :	005CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	917	913	870	900	2.89	cps
Antimony	121-1	2694	2817	2870	2794	3.24	cps
Arsenic	75-2	90	117	87	98	16.82	cps
Barium	135-1	3397	3384	3344	3375	0.82	cps
Barium	137-1	5835	5768	5735	5779	0.88	cps
Beryllium	9-1	277	260	237	258	7.79	cps
Bismuth	209-1	9456182	8953634	9486630	9298815	3.22	cps
Bismuth	209-2	8149500	8167898	8176764	8164721	0.17	cps
Bromine	81-1	15218	15195	15625	15346	1.58	cps
Bromine	81-2	170	200	147	172	15.52	cps
Cadmium	108-1	53	23	50	42	38.95	cps
Cadmium	106-1	4924	4511	4621	4685	4.57	cps
Cadmium	111-1	Rejected	Rejected	Rejected			cps
Calcium	43-1	2073	2167	2150	2130	2.34	cps
Calcium	44-1	37249	37994	37790	37678	1.02	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3317	3427	3367	3370	1.63	cps
Cobalt	59-2	1193	1170	1083	1149	5.05	cps
Copper	63-2	2320	2450	2304	2358	3.41	cps
Dysprosium	156-1	17	3	10	10	66.70	cps
Dysprosium	156-2	0	13	7	7	99.98	cps
Erbium	164-1	80	70	77	76	6.74	cps
Erbium	164-2	50	43	60	51	16.42	cps
Gadolinium	160-1	43	70	40	51	32.17	cps
Gadolinium	160-2	740	670	703	704	4.97	cps
Holmium	165-1	15742321	14765151	15793390	15433621	3.75	cps
Holmium	165-2	11499469	11400437	11464679	11454861	0.44	cps
Indium	115-1	13023861	12206551	13297645	12842686	4.42	cps
Indium	115-2	5119088	5103793	5102086	5108322	0.18	cps
Iron	56-2	49535	49772	48973	49426	0.83	cps
Iron	57-2	2007	2067	1960	2011	2.66	cps
Iron	54-2	4567	4431	4374	4457	2.23	cps
Krypton	83-1	183	267	217	222	18.87	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	S01	Instrumnet Name :	P7
Client Sample ID :	S01	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 14:46:11	DataFile Name :	005CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1447	1290	1343	1360	5.86	cps
Lead	207-1	1197	1157	1170	1175	1.73	cps
Lead	208-1	5294	5350	5390	5345	0.91	cps
Lithium	6-1	2027678	1850533	2045731	1974647	5.46	cps
Magnesium	24-2	26900	27414	27007	27107	1.00	cps
Manganese	55-2	707	787	807	767	6.90	cps
Molybdenum	94-1	3007	3077	2964	3016	1.90	cps
Molybdenum	95-1	3547	3597	3674	3606	1.77	cps
Molybdenum	96-1	4067	3994	4121	4061	1.57	cps
Molybdenum	97-1	2327	2327	2114	2256	5.46	cps
Molybdenum	98-1	5708	5745	5351	5601	3.88	cps
Neodymium	150-1	10	13	7	10	33.30	cps
Neodymium	150-2	3	3	3	3	0.00	cps
Nickel	60-2	900	1010	897	936	6.89	cps
Phosphorus	31-2	237	213	210	220	6.60	cps
Potassium	39-2	93796	94709	93974	94160	0.51	cps
Rhodium	103-1	12296483	11522907	12455090	12091493	4.12	cps
Rhodium	103-2	7435887	7475872	7415517	7442425	0.41	cps
Scandium	45-1	7252525	6844872	7380866	7159421	3.91	cps
Scandium	45-2	662709	661617	663338	662554	0.13	cps
Selenium	82-1	271	209	195	225	18.09	cps
Selenium	77-2	17	17	3	12	63.01	cps
Selenium	78-2	543	477	580	533	9.82	cps
Silicon	28-1	702944	704356	696408	701236	0.60	cps
Silver	107-1	1753	1630	1593	1659	5.05	cps
Silver	109-1	1533	1650	1603	1596	3.68	cps
Sodium	23-2	59983	59100	58849	59310	1.00	cps
Strontium	86-1	747	800	797	781	3.82	cps
Strontium	88-1	3911	3901	3917	3909	0.21	cps
Sulfur	34-1	193788	193377	192807	193324	0.26	cps
Terbium	159-1	15986625	15176078	16054636	15739113	3.11	cps
Terbium	159-2	11376684	11326624	11342848	11348718	0.23	cps
Thallium	203-1	1590	1533	1450	1525	4.62	cps
Thallium	205-1	3474	3571	3611	3552	1.98	cps
Tin	118-1	6905	6885	6798	6863	0.83	cps
Titanium	47-1	957	987	923	956	3.32	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	S01	Instrumnet Name :	P7
Client Sample ID :	S01	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 14:46:11	DataFile Name :	005CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	3307	3354	3430	3364	1.85	cps
Vanadium	51-2	2674	2497	2470	2547	4.34	cps
Yttrium	89-1	20017340	18564929	19958701	19513657	4.21	cps
Yttrium	89-2	5741092	5635993	5698005	5691696	0.93	cps
Zinc	66-2	680	757	793	743	7.78	cps
Zirconium	90-1	2814	2760	3070	2881	5.75	cps
Zirconium	91-1	583	563	597	581	2.89	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P7
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 14:49:33	DataFile Name :	006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6535	6435	6355	6441	1.40	cps
Antimony	121-1	26024	26571	26878	26491	1.63	cps
Arsenic	75-2	807	963	863	878	9.04	cps
Barium	135-1	33376	33259	33610	33415	0.53	cps
Barium	137-1	57455	57348	57559	57454	0.18	cps
Beryllium	9-1	1757	1847	1760	1788	2.85	cps
Bismuth	209-1	9486109	9178654	9202421	9289061	1.84	cps
Bismuth	209-2	8212103	8293291	8163049	8222814	0.80	cps
Bromine	81-1	15548	15972	15492	15671	1.68	cps
Bromine	81-2	170	180	193	181	6.47	cps
Cadmium	108-1	287	260	300	282	7.22	cps
Cadmium	106-1	5151	5104	5101	5119	0.55	cps
Cadmium	111-1	4602	4798	4571	4657	2.64	cps
Calcium	43-1	18585	18628	18458	18557	0.48	cps
Calcium	44-1	307246	307744	309634	308208	0.41	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	14020	13750	13396	13722	2.28	cps
Cobalt	59-2	9476	9563	9396	9479	0.88	cps
Copper	63-2	13653	13149	13206	13336	2.07	cps
Dysprosium	156-1	20	20	7	16	49.47	cps
Dysprosium	156-2	0	7	10	6	91.64	cps
Erbium	164-1	53	50	83	62	29.50	cps
Erbium	164-2	47	57	40	48	17.56	cps
Gadolinium	160-1	63	37	77	59	34.58	cps
Gadolinium	160-2	770	660	743	724	7.92	cps
Holmium	165-1	15681090	15426580	15453649	15520440	0.90	cps
Holmium	165-2	11462868	11406479	11495199	11454849	0.39	cps
Indium	115-1	13313442	12882728	13023658	13073276	1.68	cps
Indium	115-2	5116177	5022182	5121057	5086472	1.10	cps
Iron	56-2	302661	302430	302243	302445	0.07	cps
Iron	57-2	8456	8716	8686	8619	1.65	cps
Iron	54-2	18608	18471	18361	18480	0.67	cps
Krypton	83-1	213	187	213	204	7.53	cps

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P7
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 14:49:33	DataFile Name :	006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	9827	10034	9880	9914	1.08	cps
Lead	207-1	8990	8559	8716	8755	2.49	cps
Lead	208-1	39139	39496	39927	39521	1.00	cps
Lithium	6-1	2033785	2008596	1982229	2008204	1.28	cps
Magnesium	24-2	260937	263547	259754	261413	0.74	cps
Manganese	55-2	4951	4797	4834	4861	1.65	cps
Molybdenum	94-1	26494	27937	27659	27363	2.80	cps
Molybdenum	95-1	33832	33729	33465	33675	0.56	cps
Molybdenum	96-1	37678	37351	37017	37349	0.89	cps
Molybdenum	97-1	21309	20875	21095	21093	1.03	cps
Molybdenum	98-1	53200	53842	53414	53485	0.61	cps
Neodymium	150-1	7	3	7	6	34.70	cps
Neodymium	150-2	3	7	0	3	100.05	cps
Nickel	60-2	3017	3037	2820	2958	4.05	cps
Phosphorus	31-2	753	790	680	741	7.56	cps
Potassium	39-2	405512	412028	409752	409097	0.81	cps
Rhodium	103-1	12315941	12163001	12083434	12187459	0.97	cps
Rhodium	103-2	7465696	7378392	7418973	7421020	0.59	cps
Scandium	45-1	7402054	7325874	7238693	7322207	1.12	cps
Scandium	45-2	661544	656295	666245	661362	0.75	cps
Selenium	82-1	1226	1224	1168	1206	2.74	cps
Selenium	77-2	147	103	103	118	21.25	cps
Selenium	78-2	950	1000	963	971	2.67	cps
Silicon	28-1	736076	733534	726947	732186	0.64	cps
Silver	107-1	17187	16750	16636	16858	1.72	cps
Silver	109-1	15926	15829	16476	16077	2.17	cps
Sodium	23-2	413382	415753	410704	413280	0.61	cps
Strontium	86-1	4734	4487	4794	4672	3.48	cps
Strontium	88-1	37568	37518	37240	37442	0.47	cps
Sulfur	34-1	196972	199379	199785	198712	0.77	cps
Terbium	159-1	16122965	15706885	15874789	15901546	1.32	cps
Terbium	159-2	11340500	11310758	11415947	11355735	0.48	cps
Thallium	203-1	12446	12189	12666	12434	1.92	cps
Thallium	205-1	28754	29241	29255	29083	0.98	cps
Tin	118-1	57196	57106	56326	56876	0.84	cps
Titanium	47-1	8656	8573	8552	8594	0.64	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P7
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 14:49:33	DataFile Name :	006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	34311	35043	34077	34477	1.46	cps
Vanadium	51-2	25632	25732	25926	25763	0.58	cps
Yttrium	89-1	20094285	19767039	19771489	19877604	0.94	cps
Yttrium	89-2	5723176	5629830	5627271	5660092	0.97	cps
Zinc	66-2	5591	5838	5701	5710	2.17	cps
Zirconium	90-1	22658	22858	22384	22633	1.05	cps
Zirconium	91-1	4784	5238	5034	5019	4.53	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P7
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 14:52:53	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	306350	303568	301077	303665	0.87	cps
Antimony	121-1	647435	641523	640147	643035	0.60	cps
Arsenic	75-2	35954	35152	35422	35509	1.15	cps
Barium	135-1	806014	810009	808797	808273	0.25	cps
Barium	137-1	1401090	1412636	1412386	1408704	0.47	cps
Beryllium	9-1	83563	83124	84140	83609	0.61	cps
Bismuth	209-1	9439158	9236199	9329624	9334993	1.09	cps
Bismuth	209-2	8091373	7985148	8033723	8036748	0.66	cps
Bromine	81-1	15241	15201	15101	15181	0.48	cps
Bromine	81-2	120	107	120	116	6.66	cps
Cadmium	108-1	12806	12649	12732	12729	0.62	cps
Cadmium	106-1	23149	22925	22431	22835	1.61	cps
Cadmium	111-1	172723	174341	173295	173453	0.47	cps
Calcium	43-1	181083	181433	181724	181413	0.18	cps
Calcium	44-1	2837734	2839949	2809380	2829021	0.60	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	268527	267478	264705	266903	0.74	cps
Cobalt	59-2	418958	416737	412844	416180	0.74	cps
Copper	63-2	3163606	3112397	3060073	3112025	1.66	cps
Dysprosium	156-1	57	23	10	30	80.13	cps
Dysprosium	156-2	40	37	67	48	34.42	cps
Erbium	164-1	70	73	60	68	10.24	cps
Erbium	164-2	60	83	47	63	29.30	cps
Gadolinium	160-1	63	63	50	59	13.07	cps
Gadolinium	160-2	807	690	687	728	9.39	cps
Holmium	165-1	15491547	15443756	15452124	15462476	0.17	cps
Holmium	165-2	11330628	11319324	11216822	11288924	0.56	cps
Indium	115-1	13011305	12779922	12908581	12899936	0.90	cps
Indium	115-2	4976110	4942335	4887946	4935463	0.90	cps
Iron	56-2	13040478	12802816	12804764	12882686	1.06	cps
Iron	57-2	326980	325537	323731	325416	0.50	cps
Iron	54-2	718535	715816	711590	715314	0.49	cps
Krypton	83-1	207	217	197	207	4.84	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P7
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 14:52:53	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2424779	2459261	2418851	2434297	0.90	cps
Lead	207-1	2190140	2154000	2136043	2160061	1.28	cps
Lead	208-1	9901716	9869351	9829993	9867020	0.36	cps
Lithium	6-1	2041563	2033517	2025932	2033671	0.38	cps
Magnesium	24-2	2454057	2447745	2425181	2442328	0.62	cps
Manganese	55-2	2235034	2237448	2196496	2222992	1.03	cps
Molybdenum	94-1	2293326	2264041	2227606	2261658	1.46	cps
Molybdenum	95-1	3337545	3274574	3267166	3293095	1.17	cps
Molybdenum	96-1	3612314	3614152	3575502	3600656	0.61	cps
Molybdenum	97-1	2065230	2049402	2071305	2061979	0.55	cps
Molybdenum	98-1	5279324	5257122	5239816	5258754	0.38	cps
Neodymium	150-1	40	50	73	54	31.42	cps
Neodymium	150-2	23	13	10	16	44.60	cps
Nickel	60-2	108307	106803	106897	107336	0.78	cps
Phosphorus	31-2	14954	15301	14704	14986	2.00	cps
Potassium	39-2	1677848	1651547	1671172	1666855	0.82	cps
Rhodium	103-1	12044239	12078487	12033309	12052011	0.20	cps
Rhodium	103-2	7166957	7105953	7109567	7127492	0.48	cps
Scandium	45-1	7237446	7273995	7030389	7180610	1.83	cps
Scandium	45-2	636492	630432	626717	631213	0.78	cps
Selenium	82-1	10584	10875	10766	10742	1.37	cps
Selenium	77-2	1250	1183	1180	1205	3.28	cps
Selenium	78-2	4441	4227	4491	4386	3.19	cps
Silicon	28-1	2654868	2648095	2620578	2641180	0.69	cps
Silver	107-1	856844	855048	858034	856642	0.18	cps
Silver	109-1	816651	820894	819108	818884	0.26	cps
Sodium	23-2	4014477	4025197	3974843	4004839	0.66	cps
Strontium	86-1	203456	205162	202908	203842	0.58	cps
Strontium	88-1	1844954	1832203	1836769	1837975	0.35	cps
Sulfur	34-1	242951	241296	239038	241095	0.81	cps
Terbium	159-1	16018171	16147356	15703224	15956250	1.43	cps
Terbium	159-2	11259722	11088682	11156880	11168428	0.77	cps
Thallium	203-1	588896	590748	591323	590322	0.21	cps
Thallium	205-1	1391369	1403344	1390565	1395093	0.51	cps
Tin	118-1	536611	535828	538126	536855	0.22	cps
Titanium	47-1	810958	812076	803572	808869	0.57	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P7
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 14:52:53	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	1804226	1851203	1826494	1827308	1.29	cps
Vanadium	51-2	235601	232074	230933	232869	1.04	cps
Yttrium	89-1	19636444	19610148	19434413	19560335	0.56	cps
Yttrium	89-2	5498974	5473511	5430343	5467609	0.63	cps
Zinc	66-2	528331	526936	524057	526442	0.41	cps
Zirconium	90-1	1090245	1095985	1080224	1088818	0.73	cps
Zirconium	91-1	240670	242559	241248	241492	0.40	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P7
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 14:55:56	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	692164	682843	678420	684476	1.02	cps
Antimony	121-1	1509830	1507022	1498891	1505248	0.38	cps
Arsenic	75-2	80915	79645	79799	80120	0.87	cps
Barium	135-1	1989352	1995352	2009320	1998008	0.51	cps
Barium	137-1	3435986	3418353	3417008	3423783	0.31	cps
Beryllium	9-1	196535	196101	195162	195933	0.36	cps
Bismuth	209-1	9469585	9515163	9402279	9462342	0.60	cps
Bismuth	209-2	7962609	7995804	8032724	7997046	0.44	cps
Bromine	81-1	14097	13990	13700	13929	1.48	cps
Bromine	81-2	163	127	150	147	12.65	cps
Cadmium	108-1	29724	29727	29547	29666	0.35	cps
Cadmium	106-1	45758	46808	45772	46113	1.31	cps
Cadmium	111-1	405018	401911	403174	403368	0.39	cps
Calcium	43-1	413882	411533	410024	411813	0.47	cps
Calcium	44-1	6580328	6445221	6358553	6461367	1.73	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	602440	595184	592700	596775	0.85	cps
Cobalt	59-2	938567	940115	930103	936261	0.58	cps
Copper	63-2	7037205	6913808	6864882	6938632	1.28	cps
Dysprosium	156-1	27	70	60	52	43.44	cps
Dysprosium	156-2	127	127	97	117	14.85	cps
Erbium	164-1	93	77	123	98	24.18	cps
Erbium	164-2	70	70	60	67	8.66	cps
Gadolinium	160-1	57	70	100	76	29.37	cps
Gadolinium	160-2	583	690	723	666	10.99	cps
Holmium	165-1	15348346	15516043	15046235	15303541	1.56	cps
Holmium	165-2	11182089	11167906	11250735	11200243	0.40	cps
Indium	115-1	12653148	12558299	12264771	12492073	1.62	cps
Indium	115-2	4738038	4751175	4782928	4757380	0.49	cps
Iron	56-2	29123194	28661363	28652099	28812218	0.93	cps
Iron	57-2	735983	732925	724473	731127	0.82	cps
Iron	54-2	1595973	1590185	1592228	1592795	0.18	cps
Krypton	83-1	213	183	207	201	7.83	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P7
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 14:55:56	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	5978703	6060860	5876452	5972005	1.55	cps
Lead	207-1	5338298	5260327	5241984	5280203	0.97	cps
Lead	208-1	24107378	24094622	23898138	24033379	0.49	cps
Lithium	6-1	2011811	2002339	1970540	1994897	1.08	cps
Magnesium	24-2	5426707	5425887	5409764	5420786	0.18	cps
Manganese	55-2	4973627	4980282	4945629	4966512	0.37	cps
Molybdenum	94-1	5334112	5276586	5142370	5251023	1.87	cps
Molybdenum	95-1	7739145	7749159	7496458	7661587	1.87	cps
Molybdenum	96-1	8461141	8452065	8329500	8414235	0.87	cps
Molybdenum	97-1	4816988	4781521	4716497	4771669	1.07	cps
Molybdenum	98-1	12411351	12308803	12207323	12309159	0.83	cps
Neodymium	150-1	90	97	110	99	10.30	cps
Neodymium	150-2	30	33	20	28	24.98	cps
Nickel	60-2	239674	234708	234549	236310	1.23	cps
Phosphorus	31-2	33330	33647	32324	33100	2.09	cps
Potassium	39-2	3667850	3610258	3612431	3630180	0.90	cps
Rhodium	103-1	11543996	11552031	11352878	11482969	0.98	cps
Rhodium	103-2	6857603	6834778	6850164	6847515	0.17	cps
Scandium	45-1	6886900	6743943	6719026	6783290	1.34	cps
Scandium	45-2	592719	591801	590737	591752	0.17	cps
Selenium	82-1	24055	24622	24306	24328	1.17	cps
Selenium	77-2	2684	2727	2570	2660	3.04	cps
Selenium	78-2	9173	9623	9170	9322	2.80	cps
Silicon	28-1	4777135	4747512	4658707	4727785	1.30	cps
Silver	107-1	2044688	2012038	2030115	2028947	0.81	cps
Silver	109-1	1982468	1932517	1944922	1953302	1.33	cps
Sodium	23-2	8920565	8871664	8852958	8881729	0.39	cps
Strontium	86-1	476528	477714	469254	474499	0.97	cps
Strontium	88-1	4230890	4262729	4274236	4255952	0.53	cps
Sulfur	34-1	292814	286374	285448	288212	1.39	cps
Terbium	159-1	16038750	15712669	15636546	15795988	1.35	cps
Terbium	159-2	11060949	10951272	11091743	11034654	0.67	cps
Thallium	203-1	1415424	1431940	1422355	1423240	0.58	cps
Thallium	205-1	3551998	3568050	3528948	3549665	0.55	cps
Tin	118-1	1255960	1252257	1253665	1253960	0.15	cps
Titanium	47-1	1914666	1907579	1861123	1894456	1.54	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P7
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 14:55:56	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	4508157	4468252	4501249	4492553	0.47	cps
Vanadium	51-2	527191	522149	519017	522786	0.79	cps
Yttrium	89-1	18878254	18987722	19038470	18968148	0.43	cps
Yttrium	89-2	5218074	5209614	5186481	5204723	0.31	cps
Zinc	66-2	1199279	1183307	1180691	1187759	0.85	cps
Zirconium	90-1	2597363	2641253	2635114	2624576	0.91	cps
Zirconium	91-1	561751	560436	558483	560223	0.29	cps

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On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P7
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 14:58:53	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1373307	1338119	1320595	1344007	2.00	cps
Antimony	121-1	3003982	3020322	3058138	3027481	0.92	cps
Arsenic	75-2	151844	150726	150430	151000	0.49	cps
Barium	135-1	3875828	3821566	3881189	3859528	0.85	cps
Barium	137-1	6659274	6723540	6731334	6704716	0.59	cps
Beryllium	9-1	374396	379553	379564	377838	0.79	cps
Bismuth	209-1	9693085	9382965	9386212	9487421	1.88	cps
Bismuth	209-2	7838091	7856676	7876135	7856967	0.24	cps
Bromine	81-1	12742	12272	12946	12653	2.73	cps
Bromine	81-2	113	100	127	113	11.77	cps
Cadmium	108-1	56757	58367	57293	57472	1.43	cps
Cadmium	106-1	82720	84927	84913	84187	1.51	cps
Cadmium	111-1	772461	787953	778674	779696	1.00	cps
Calcium	43-1	775836	782346	777150	778444	0.44	cps
Calcium	44-1	12202681	12285944	12267776	12252134	0.36	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1117081	1110615	1106341	1111346	0.49	cps
Cobalt	59-2	1798790	1795732	1783086	1792536	0.46	cps
Copper	63-2	13063365	12912648	12907873	12961295	0.68	cps
Dysprosium	156-1	47	77	87	70	29.74	cps
Dysprosium	156-2	197	190	240	209	13.00	cps
Erbium	164-1	80	107	130	106	23.70	cps
Erbium	164-2	77	93	57	76	24.29	cps
Gadolinium	160-1	73	100	73	82	18.73	cps
Gadolinium	160-2	677	647	730	684	6.17	cps
Holmium	165-1	15751947	15234272	15226762	15404327	1.95	cps
Holmium	165-2	11202677	11041404	10998969	11081017	0.97	cps
Indium	115-1	12515355	12110332	12105720	12243802	1.92	cps
Indium	115-2	4554356	4506912	4516805	4526024	0.55	cps
Iron	56-2	54338144	54337774	53790656	54155525	0.58	cps
Iron	57-2	1389130	1347334	1356330	1364265	1.61	cps
Iron	54-2	3028513	2954562	2972438	2985171	1.29	cps
Krypton	83-1	153	203	223	193	18.65	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P7
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 14:58:53	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	11692743	11884692	11912349	11829928	1.01	cps
Lead	207-1	10248209	10591006	10492531	10443915	1.69	cps
Lead	208-1	46702125	47806389	47821236	47443250	1.35	cps
Lithium	6-1	2074895	2015657	1941837	2010796	3.32	cps
Magnesium	24-2	10297187	10235791	10319634	10284204	0.42	cps
Manganese	55-2	9437425	9370627	9253791	9353948	0.99	cps
Molybdenum	94-1	10214253	10075238	10079874	10123122	0.78	cps
Molybdenum	95-1	14621125	14882316	14647316	14716919	0.98	cps
Molybdenum	96-1	16169381	16372201	16146174	16229252	0.77	cps
Molybdenum	97-1	9138021	9202143	9139399	9159854	0.40	cps
Molybdenum	98-1	23639914	23622428	23449000	23570447	0.45	cps
Neodymium	150-1	180	240	200	207	14.78	cps
Neodymium	150-2	47	83	57	62	30.46	cps
Nickel	60-2	442799	436664	437535	438999	0.76	cps
Phosphorus	31-2	61991	62550	60151	61564	2.04	cps
Potassium	39-2	6897615	6707941	6754857	6786804	1.46	cps
Rhodium	103-1	11409812	10985012	10979064	11124629	2.22	cps
Rhodium	103-2	6535179	6516897	6499861	6517312	0.27	cps
Scandium	45-1	6727967	6553633	6432706	6571436	2.26	cps
Scandium	45-2	561287	554397	556671	557452	0.63	cps
Selenium	82-1	46511	46834	46478	46608	0.42	cps
Selenium	77-2	5298	4881	5161	5113	4.16	cps
Selenium	78-2	17273	17364	16900	17179	1.43	cps
Silicon	28-1	8143066	8120854	8116695	8126872	0.17	cps
Silver	107-1	3867407	3886938	3873580	3875975	0.26	cps
Silver	109-1	3748040	3776129	3705074	3743081	0.96	cps
Sodium	23-2	16943072	16902291	16808799	16884720	0.41	cps
Strontium	86-1	904947	913080	908150	908726	0.45	cps
Strontium	88-1	8166657	8212771	8119637	8166355	0.57	cps
Sulfur	34-1	367310	365941	362590	365280	0.66	cps
Terbium	159-1	16234781	15806365	15553759	15864968	2.17	cps
Terbium	159-2	10923933	10967044	10722662	10871213	1.20	cps
Thallium	203-1	2939437	3039825	2988975	2989412	1.68	cps
Thallium	205-1	7059236	7053788	7127843	7080289	0.58	cps
Tin	118-1	2488491	2511773	2506295	2502186	0.49	cps
Titanium	47-1	3503803	3565859	3559129	3542930	0.96	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P7
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 14:58:53	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8911710	9190839	9151818	9084789	1.66	cps
Vanadium	51-2	981990	974642	973650	976760	0.47	cps
Yttrium	89-1	19006762	18349253	18297462	18551159	2.13	cps
Yttrium	89-2	5020396	4993677	4988445	5000839	0.34	cps
Zinc	66-2	2287513	2267350	2243144	2266002	0.98	cps
Zirconium	90-1	4996008	5019295	4930792	4982031	0.92	cps
Zirconium	91-1	1068061	1086901	1086941	1080634	1.01	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P7
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 15:01:40	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2610965	2599731	2552680	2587792	1.19	cps
Antimony	121-1	5932823	5984812	5961441	5959692	0.44	cps
Arsenic	75-2	288318	288532	288056	288302	0.08	cps
Barium	135-1	7563776	7572380	7598765	7578307	0.24	cps
Barium	137-1	12937169	12964585	12956073	12952609	0.11	cps
Beryllium	9-1	722972	719671	717235	719959	0.40	cps
Bismuth	209-1	9345982	9225668	9296741	9289464	0.65	cps
Bismuth	209-2	7677838	7725851	7809183	7737624	0.86	cps
Bromine	81-1	12565	11908	12092	12189	2.78	cps
Bromine	81-2	113	103	100	106	6.57	cps
Cadmium	108-1	108894	109405	110352	109551	0.68	cps
Cadmium	106-1	157729	158336	156738	157601	0.51	cps
Cadmium	111-1	1496229	1506190	1497125	1499848	0.37	cps
Calcium	43-1	1464205	1458200	1456656	1459687	0.27	cps
Calcium	44-1	23538487	23567366	23561505	23555786	0.06	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2186304	2205860	2192495	2194886	0.46	cps
Cobalt	59-2	3425975	3429447	3421811	3425744	0.11	cps
Copper	63-2	24595962	24324096	24410117	24443392	0.57	cps
Dysprosium	156-1	140	120	140	133	8.66	cps
Dysprosium	156-2	377	463	387	409	11.60	cps
Erbium	164-1	100	183	173	152	29.89	cps
Erbium	164-2	90	77	130	99	28.07	cps
Gadolinium	160-1	133	127	130	130	2.57	cps
Gadolinium	160-2	673	640	803	706	12.23	cps
Holmium	165-1	15041774	15009958	14783757	14945163	0.94	cps
Holmium	165-2	11023923	10979716	10809884	10937841	1.03	cps
Indium	115-1	11715443	11545243	11621365	11627351	0.73	cps
Indium	115-2	4386829	4371456	4327975	4362087	0.70	cps
Iron	56-2	104458918	104869118	104262835	104530291	0.30	cps
Iron	57-2	2652322	2590771	2601597	2614897	1.26	cps
Iron	54-2	5717593	5730341	5699916	5715950	0.27	cps
Krypton	83-1	223	200	203	209	6.04	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P7
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 15:01:40	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	23350622	23600517	23847215	23599452	1.05	cps
Lead	207-1	20820893	20910743	21019964	20917200	0.48	cps
Lead	208-1	94841979	95097816	95723119	95220971	0.48	cps
Lithium	6-1	1937702	1907081	1929988	1924924	0.83	cps
Magnesium	24-2	19730193	19742295	19464233	19645574	0.80	cps
Manganese	55-2	18115225	18181280	18095754	18130753	0.25	cps
Molybdenum	94-1	19607752	19656055	19691380	19651729	0.21	cps
Molybdenum	95-1	28736390	28718114	28473036	28642513	0.51	cps
Molybdenum	96-1	31504575	31589737	31252387	31448900	0.56	cps
Molybdenum	97-1	17866053	17696895	17636105	17733018	0.67	cps
Molybdenum	98-1	46243799	46222809	46024889	46163833	0.26	cps
Neodymium	150-1	397	387	393	392	1.30	cps
Neodymium	150-2	100	93	117	103	11.63	cps
Nickel	60-2	834583	829186	826203	829991	0.51	cps
Phosphorus	31-2	116643	118377	115434	116818	1.27	cps
Potassium	39-2	12934499	13040208	12897315	12957340	0.57	cps
Rhodium	103-1	10763699	10544212	10545369	10617760	1.19	cps
Rhodium	103-2	6236897	6287145	6230878	6251640	0.49	cps
Scandium	45-1	6215251	6176727	6161535	6184504	0.45	cps
Scandium	45-2	531918	534745	529796	532153	0.47	cps
Selenium	82-1	89165	88453	88364	88661	0.50	cps
Selenium	77-2	9643	9623	9376	9548	1.56	cps
Selenium	78-2	31894	32462	31784	32047	1.14	cps
Silicon	28-1	14761564	14532653	14344898	14546372	1.43	cps
Silver	107-1	7398927	7487994	7399682	7428868	0.69	cps
Silver	109-1	7122211	7197294	7063352	7127619	0.94	cps
Sodium	23-2	32367028	32344989	32113778	32275265	0.43	cps
Strontium	86-1	1814245	1795484	1864802	1824844	1.96	cps
Strontium	88-1	15911859	15764054	15941685	15872533	0.60	cps
Sulfur	34-1	539306	535994	533813	536371	0.52	cps
Terbium	159-1	15519941	15252557	15415691	15396063	0.88	cps
Terbium	159-2	10688676	10747899	10838798	10758457	0.70	cps
Thallium	203-1	5915752	5958585	5820424	5898254	1.20	cps
Thallium	205-1	13895176	14119269	14075955	14030134	0.85	cps
Tin	118-1	4872078	4861433	4928849	4887453	0.74	cps
Titanium	47-1	6811847	6868859	6815814	6832173	0.47	cps

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On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P7
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 15:01:40	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	18393931	18478820	18425675	18432809	0.23	cps
Vanadium	51-2	1959265	1925624	1935324	1940071	0.89	cps
Yttrium	89-1	17727659	17663576	17765561	17718932	0.29	cps
Yttrium	89-2	4825164	4830005	4852861	4836010	0.31	cps
Zinc	66-2	4315348	4318135	4324810	4319431	0.11	cps
Zirconium	90-1	9742610	9654187	9735619	9710805	0.51	cps
Zirconium	91-1	2146941	2181815	2128945	2152567	1.25	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P7
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 15:04:29	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5094766	5021447	5026867	5047693	0.81	cps
Antimony	121-1	11573954	11592972	11569983	11578970	0.11	cps
Arsenic	75-2	569506	570044	562587	567379	0.73	cps
Barium	135-1	14831996	14932357	14933702	14899351	0.39	cps
Barium	137-1	25429152	25757744	25593596	25593497	0.64	cps
Beryllium	9-1	1476655	1440647	1471366	1462889	1.33	cps
Bismuth	209-1	9115469	9080858	9130911	9109079	0.28	cps
Bismuth	209-2	7701106	7585995	7620231	7635777	0.77	cps
Bromine	81-1	12078	12415	11631	12042	3.27	cps
Bromine	81-2	97	140	117	118	18.41	cps
Cadmium	108-1	210251	210284	212417	210984	0.59	cps
Cadmium	106-1	297714	299665	298889	298756	0.33	cps
Cadmium	111-1	2950802	2999641	3004133	2984859	0.99	cps
Calcium	43-1	2833249	2877623	2864263	2858378	0.80	cps
Calcium	44-1	45725374	45765263	45591863	45694167	0.20	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4287242	4272787	4327640	4295889	0.66	cps
Cobalt	59-2	6759565	6663544	6699912	6707674	0.72	cps
Copper	63-2	47755369	47451128	47454054	47553517	0.37	cps
Dysprosium	156-1	250	250	220	240	7.22	cps
Dysprosium	156-2	853	713	827	798	9.32	cps
Erbium	164-1	230	200	247	226	10.49	cps
Erbium	164-2	223	147	190	187	20.59	cps
Gadolinium	160-1	180	200	197	192	5.57	cps
Gadolinium	160-2	757	700	813	757	7.49	cps
Holmium	165-1	14992478	14922745	15154932	15023385	0.79	cps
Holmium	165-2	11050649	10852432	10923690	10942257	0.92	cps
Indium	115-1	11441325	11340781	11285501	11355869	0.70	cps
Indium	115-2	4316396	4313086	4236885	4288789	1.05	cps
Iron	56-2	205092097	204290624	204432757	204605159	0.21	cps
Iron	57-2	5149479	5175409	5152423	5159104	0.28	cps
Iron	54-2	11267402	11225292	11202609	11231768	0.29	cps
Krypton	83-1	193	210	200	201	4.17	cps

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P7
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 15:04:29	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	45982351	46251519	46483451	46239107	0.54	cps
Lead	207-1	40635179	41189289	40920242	40914904	0.68	cps
Lead	208-1	185297746	186671914	186486615	186152091	0.40	cps
Lithium	6-1	1906599	1891471	1922531	1906867	0.81	cps
Magnesium	24-2	38807604	38636688	38504074	38649456	0.39	cps
Manganese	55-2	35738154	35556115	35525718	35606663	0.32	cps
Molybdenum	94-1	38735202	38898624	38527215	38720347	0.48	cps
Molybdenum	95-1	55892181	56552399	56466812	56303797	0.64	cps
Molybdenum	96-1	61414404	61573277	61654846	61547509	0.20	cps
Molybdenum	97-1	34917448	35078223	34827118	34940929	0.36	cps
Molybdenum	98-1	89771482	90932989	89980019	90228163	0.69	cps
Neodymium	150-1	723	780	750	751	3.77	cps
Neodymium	150-2	200	190	217	202	6.66	cps
Nickel	60-2	1668974	1673863	1689770	1677536	0.65	cps
Phosphorus	31-2	230225	227566	227696	228495	0.66	cps
Potassium	39-2	25385927	25591405	25343600	25440311	0.52	cps
Rhodium	103-1	10275720	10140782	10197628	10204710	0.66	cps
Rhodium	103-2	6172647	6140434	6098028	6137036	0.61	cps
Scandium	45-1	6081291	6101163	6034849	6072434	0.56	cps
Scandium	45-2	536074	528381	533123	532526	0.73	cps
Selenium	82-1	169293	169635	171225	170051	0.61	cps
Selenium	77-2	18365	18672	18532	18523	0.83	cps
Selenium	78-2	61541	61524	61554	61539	0.02	cps
Silicon	28-1	26329980	26589353	26105026	26341453	0.92	cps
Silver	107-1	14234805	14305114	14268522	14269480	0.25	cps
Silver	109-1	13614493	13760670	13685937	13687033	0.53	cps
Sodium	23-2	64259714	64183879	63841606	64095066	0.35	cps
Strontium	86-1	3556686	3563127	3562960	3560924	0.10	cps
Strontium	88-1	30971245	31096155	31178654	31082018	0.34	cps
Sulfur	34-1	890281	890311	887388	889326	0.19	cps
Terbium	159-1	15515284	15413588	15267766	15398880	0.81	cps
Terbium	159-2	10996037	10816547	10698158	10836914	1.38	cps
Thallium	203-1	11486966	11529341	11719080	11578462	1.07	cps
Thallium	205-1	27451405	27215871	27699492	27455590	0.88	cps
Tin	118-1	9545506	9500094	9554107	9533236	0.30	cps
Titanium	47-1	13232700	13507119	13351455	13363758	1.03	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P7
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 15:04:29	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	36328552	36587190	37016666	36644136	0.95	cps
Vanadium	51-2	3786121	3791395	3813593	3797036	0.38	cps
Yttrium	89-1	17745428	17493480	17462621	17567176	0.88	cps
Yttrium	89-2	4857018	4824805	4836265	4839363	0.34	cps
Zinc	66-2	8269429	8337815	8354624	8320623	0.54	cps
Zirconium	90-1	19116358	19230993	19229433	19192261	0.34	cps
Zirconium	91-1	4195254	4218943	4267606	4227268	0.87	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P7
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 15:07:16	DataFile Name :	012CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	27303326	27278245	27308572	27296714	0.06	cps
Antimony	121-1	8299	7362	6778	7480	10.26	cps
Arsenic	75-2	417	357	480	418	14.76	cps
Barium	135-1	7659	6732	6388	6926	9.49	cps
Barium	137-1	13286	12129	11181	12199	8.64	cps
Beryllium	9-1	563	510	480	518	8.15	cps
Bismuth	209-1	8325986	8001818	7945293	8091033	2.54	cps
Bismuth	209-2	6797303	6950896	6857928	6868709	1.13	cps
Bromine	81-1	12489	12942	12949	12793	2.06	cps
Bromine	81-2	160	150	140	150	6.67	cps
Cadmium	108-1	150	87	110	116	27.72	cps
Cadmium	106-1	4271	4407	4354	4344	1.59	cps
Cadmium	111-1	1593	1432	1417	1481	6.59	cps
Calcium	43-1	13816820	14183278	14401014	14133704	2.09	cps
Calcium	44-1	223702043	228491430	229570990	227254821	1.37	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	7142	7565	7192	7300	3.17	cps
Cobalt	59-2	18468	18859	19035	18787	1.55	cps
Copper	63-2	13493	12816	12899	13069	2.83	cps
Dysprosium	156-1	433	393	360	396	9.28	cps
Dysprosium	156-2	367	447	407	407	9.84	cps
Erbium	164-1	497	423	423	448	9.46	cps
Erbium	164-2	350	427	387	388	9.89	cps
Gadolinium	160-1	513	493	403	470	12.47	cps
Gadolinium	160-2	933	837	930	900	6.10	cps
Holmium	165-1	14915100	14489290	14524233	14642874	1.61	cps
Holmium	165-2	10587724	10662584	10598894	10616401	0.38	cps
Indium	115-1	11212072	10953689	10802386	10989382	1.89	cps
Indium	115-2	4216942	4272612	4210008	4233187	0.81	cps
Iron	56-2	1042111851	1035222811	1047049824	1041461496	0.57	cps
Iron	57-2	26121392	25886751	26095860	26034668	0.49	cps
Iron	54-2	56781667	56171079	56238826	56397191	0.59	cps
Krypton	83-1	170	213	180	188	12.09	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P7
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 15:07:16	DataFile Name :	012CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	17188	15189	13767	15381	11.17	cps
Lead	207-1	15139	12906	11945	13330	12.29	cps
Lead	208-1	67739	59478	54784	60667	10.81	cps
Lithium	6-1	1872207	1852643	1872807	1865886	0.61	cps
Magnesium	24-2	207963337	206729284	206472670	207055097	0.38	cps
Manganese	55-2	17941	17934	17460	17778	1.55	cps
Molybdenum	94-1	13753	11958	10581	12097	13.15	cps
Molybdenum	95-1	14848	11828	10154	12276	19.38	cps
Molybdenum	96-1	25552	22287	20334	22725	11.60	cps
Molybdenum	97-1	9470	7422	6291	7728	20.85	cps
Molybdenum	98-1	23098	18355	15178	18877	21.12	cps
Neodymium	150-1	250	213	317	260	20.15	cps
Neodymium	150-2	110	153	130	131	16.54	cps
Nickel	60-2	8266	8779	8536	8527	3.01	cps
Phosphorus	31-2	300	310	273	294	6.44	cps
Potassium	39-2	135683281	134144961	136137935	135322059	0.77	cps
Rhodium	103-1	9722491	9566393	9400944	9563276	1.68	cps
Rhodium	103-2	5742127	5786411	5806746	5778428	0.57	cps
Scandium	45-1	6285713	6058056	6122997	6155589	1.91	cps
Scandium	45-2	558436	559938	564795	561056	0.59	cps
Selenium	82-1	358	283	351	331	12.45	cps
Selenium	77-2	13	10	10	11	17.30	cps
Selenium	78-2	403	370	417	397	6.06	cps
Silicon	28-1	552329	551385	544734	549482	0.75	cps
Silver	107-1	3884	3044	2547	3158	21.40	cps
Silver	109-1	3514	2704	2450	2889	19.23	cps
Sodium	23-2	338311642	335332515	337386442	337010199	0.45	cps
Strontium	86-1	10430	10834	10611	10625	1.90	cps
Strontium	88-1	91532	90224	89262	90340	1.26	cps
Sulfur	34-1	153182	156438	159980	156533	2.17	cps
Terbium	159-1	15430450	14775846	14647130	14951142	2.81	cps
Terbium	159-2	10382798	10350220	10400787	10377935	0.25	cps
Thallium	203-1	2707	2194	1930	2277	17.35	cps
Thallium	205-1	6805	5198	4564	5522	20.92	cps
Tin	118-1	4321	3687	3264	3757	14.16	cps
Titanium	47-1	3120	2464	2174	2586	18.76	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P7
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 15:07:16	DataFile Name :	012CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	6812	4948	4021	5260	27.03	cps
Vanadium	51-2	953	937	793	894	9.83	cps
Yttrium	89-1	17522286	17096005	17100325	17239539	1.42	cps
Yttrium	89-2	4842053	4918313	4936490	4898952	1.02	cps
Zinc	66-2	12345	12592	12328	12422	1.19	cps
Zirconium	90-1	13603	13520	12379	13167	5.20	cps
Zirconium	91-1	2990	2754	2630	2791	6.56	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	ICV002	Instrumnet Name :	P7
Client Sample ID :	ICV002	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 15:30:11	DataFile Name :	013ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	136282	134278	133965	134841	0.93	cps
Antimony	121-1	2559822	2533700	2563957	2552493	0.64	cps
Arsenic	75-2	132505	129804	128786	130365	1.47	cps
Barium	135-1	309873	307152	306607	307877	0.57	cps
Barium	137-1	538573	538862	539455	538964	0.08	cps
Beryllium	9-1	164354	163058	163917	163776	0.40	cps
Bismuth	209-1	9526297	9335639	9358428	9406788	1.11	cps
Bismuth	209-2	8024441	8002609	7929185	7985412	0.62	cps
Bromine	81-1	13573	13366	13163	13367	1.53	cps
Bromine	81-2	260	190	207	219	16.71	cps
Cadmium	108-1	26982	26788	26835	26868	0.38	cps
Cadmium	106-1	33448	32673	32737	32953	1.31	cps
Cadmium	111-1	318324	316731	316675	317243	0.30	cps
Calcium	43-1	66143	64302	64573	65006	1.53	cps
Calcium	44-1	1057134	1048215	1053468	1052939	0.43	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	492684	491153	483924	489254	0.96	cps
Cobalt	59-2	775171	762871	762965	767002	0.92	cps
Copper	63-2	528045	524385	521780	524736	0.60	cps
Dysprosium	156-1	20	30	17	22	31.22	cps
Dysprosium	156-2	7	20	30	19	61.96	cps
Erbium	164-1	67	70	80	72	9.61	cps
Erbium	164-2	47	43	57	49	14.20	cps
Gadolinium	160-1	63	50	50	54	14.14	cps
Gadolinium	160-2	593	653	667	638	6.13	cps
Holmium	165-1	15188998	15038534	14956334	15061289	0.78	cps
Holmium	165-2	10991917	11006900	11045026	11014614	0.25	cps
Indium	115-1	12623982	12287749	12244374	12385369	1.68	cps
Indium	115-2	4687521	4591177	4631327	4636675	1.04	cps
Iron	56-2	9296023	9199372	9128683	9208026	0.91	cps
Iron	57-2	235230	232687	233608	233842	0.55	cps
Iron	54-2	531246	529739	525105	528697	0.61	cps
Krypton	83-1	170	220	213	201	13.50	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	ICV002	Instrumnet Name :	P7
Client Sample ID :	ICV002	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 15:30:11	DataFile Name :	013ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2025930	1983473	2018931	2009444	1.13	cps
Lead	207-1	1565995	1592269	1599176	1585813	1.10	cps
Lead	208-1	7724981	7732193	7778715	7745296	0.38	cps
Lithium	6-1	1996372	2039281	1987040	2007564	1.39	cps
Magnesium	24-2	508471	505556	500738	504922	0.77	cps
Manganese	55-2	396805	393064	394686	394852	0.48	cps
Molybdenum	94-1	16702896	16357104	16213290	16424430	1.53	cps
Molybdenum	95-1	29370241	29056865	28621152	29016086	1.30	cps
Molybdenum	96-1	31509530	31183702	31005387	31232873	0.82	cps
Molybdenum	97-1	18069793	18027942	17739599	17945778	1.00	cps
Molybdenum	98-1	46269184	46070221	45808803	46049403	0.50	cps
Neodymium	150-1	20	17	33	23	37.78	cps
Neodymium	150-2	7	7	7	7	0.00	cps
Nickel	60-2	196763	194845	194615	195408	0.60	cps
Phosphorus	31-2	137	93	133	121	19.91	cps
Potassium	39-2	1198184	1188245	1183305	1189912	0.64	cps
Rhodium	103-1	11482623	11196745	11236888	11305419	1.37	cps
Rhodium	103-2	6745754	6799530	6749193	6764826	0.45	cps
Scandium	45-1	6882345	6689204	6594862	6722137	2.18	cps
Scandium	45-2	579165	571403	572877	574481	0.72	cps
Selenium	82-1	39494	39137	39261	39297	0.46	cps
Selenium	77-2	4384	4491	4381	4418	1.42	cps
Selenium	78-2	14811	14627	14594	14677	0.80	cps
Silicon	28-1	563333	530823	530868	541675	3.46	cps
Silver	107-1	759906	757995	754998	757633	0.33	cps
Silver	109-1	731059	726331	729799	729063	0.34	cps
Sodium	23-2	1475803	1432150	1424138	1444030	1.93	cps
Strontium	86-1	1230	1333	1273	1279	4.06	cps
Strontium	88-1	8709	8609	8389	8569	1.91	cps
Sulfur	34-1	184725	173378	171763	176622	4.00	cps
Terbium	159-1	15855768	15365576	15488471	15569938	1.64	cps
Terbium	159-2	10890434	10814537	10783612	10829528	0.51	cps
Thallium	203-1	2460072	2435416	2471753	2455747	0.76	cps
Thallium	205-1	5826580	5851495	5857362	5845146	0.28	cps
Tin	118-1	1180	1150	1167	1166	1.29	cps
Titanium	47-1	407	423	373	401	6.35	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	ICV002	Instrumnet Name :	P7
Client Sample ID :	ICV002	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 15:30:11	DataFile Name :	013ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	50	60	63	58	12.01	cps
Vanadium	51-2	422581	414888	413679	417049	1.16	cps
Yttrium	89-1	18705632	18707408	18388428	18600489	0.99	cps
Yttrium	89-2	5133630	5035818	5067623	5079024	0.98	cps
Zinc	66-2	190849	190489	188878	190072	0.55	cps
Zirconium	90-1	1103	1147	1163	1138	2.72	cps
Zirconium	91-1	473	560	433	489	13.25	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	ICB002	Instrumnet Name :	P7
Client Sample ID :	ICB002	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 15:38:52	DataFile Name :	015CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	73	133	150	119	33.92	cps
Antimony	121-1	263	283	280	276	3.89	cps
Arsenic	75-2	3	3	10	6	69.34	cps
Barium	135-1	43	57	37	46	22.36	cps
Barium	137-1	73	87	70	77	11.51	cps
Beryllium	9-1	117	120	83	107	19.01	cps
Bismuth	209-1	9238197	9227749	9087352	9184433	0.92	cps
Bismuth	209-2	8093579	8067043	7967916	8042846	0.82	cps
Bromine	81-1	13069	13403	13339	13271	1.33	cps
Bromine	81-2	163	110	190	154	26.37	cps
Cadmium	108-1	13	10	13	12	15.73	cps
Cadmium	106-1	4654	4254	4294	4401	5.01	cps
Cadmium	111-1	935	857	880	891	4.50	cps
Calcium	43-1	203	227	183	204	10.61	cps
Calcium	44-1	6455	6391	6201	6349	2.08	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2134	2067	2210	2137	3.36	cps
Cobalt	59-2	133	183	133	150	19.24	cps
Copper	63-2	993	1023	1060	1026	3.26	cps
Dysprosium	156-1	17	13	7	12	41.65	cps
Dysprosium	156-2	3	13	7	8	65.47	cps
Erbium	164-1	47	70	87	68	29.64	cps
Erbium	164-2	37	37	73	49	43.29	cps
Gadolinium	160-1	57	33	73	54	36.91	cps
Gadolinium	160-2	710	600	587	632	10.71	cps
Holmium	165-1	15066804	14795481	14935231	14932505	0.91	cps
Holmium	165-2	11195566	11032730	11159404	11129233	0.77	cps
Indium	115-1	12321309	12522350	12368699	12404119	0.85	cps
Indium	115-2	4903753	4842306	4838420	4861493	0.75	cps
Iron	56-2	21192	20267	20451	20636	2.37	cps
Iron	57-2	1133	1100	1110	1114	1.54	cps
Iron	54-2	2787	2454	2644	2628	6.36	cps
Krypton	83-1	170	210	230	203	15.02	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	ICB002	Instrumnet Name :	P7
Client Sample ID :	ICB002	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 15:38:52	DataFile Name :	015CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	470	430	503	468	7.85	cps
Lead	207-1	403	460	383	416	9.57	cps
Lead	208-1	1883	1953	1813	1883	3.72	cps
Lithium	6-1	2002072	2038488	2043438	2027999	1.11	cps
Magnesium	24-2	943	957	1050	983	5.91	cps
Manganese	55-2	237	283	290	270	10.76	cps
Molybdenum	94-1	470	493	477	480	2.50	cps
Molybdenum	95-1	450	373	357	393	12.65	cps
Molybdenum	96-1	480	510	473	488	4.00	cps
Molybdenum	97-1	267	207	277	250	15.14	cps
Molybdenum	98-1	600	617	640	619	3.25	cps
Neodymium	150-1	7	7	13	9	43.25	cps
Neodymium	150-2	7	0	0	2	173.21	cps
Nickel	60-2	693	617	643	651	5.98	cps
Phosphorus	31-2	160	157	140	152	7.04	cps
Potassium	39-2	54216	54193	54685	54364	0.51	cps
Rhodium	103-1	11493554	11471202	11387880	11450879	0.49	cps
Rhodium	103-2	7092461	7013789	7001806	7036019	0.70	cps
Scandium	45-1	6679296	6833913	6803909	6772373	1.21	cps
Scandium	45-2	621012	620150	614250	618471	0.60	cps
Selenium	82-1	161	88	84	111	39.33	cps
Selenium	77-2	7	0	0	2	173.21	cps
Selenium	78-2	403	433	420	419	3.59	cps
Silicon	28-1	591930	595918	597324	595058	0.47	cps
Silver	107-1	230	220	273	241	11.76	cps
Silver	109-1	233	163	137	178	28.08	cps
Sodium	23-2	21976	21205	21335	21505	1.92	cps
Strontium	86-1	380	380	343	368	5.76	cps
Strontium	88-1	220	163	163	182	17.95	cps
Sulfur	34-1	184887	185036	184307	184743	0.21	cps
Terbium	159-1	15497766	15455274	15309526	15420855	0.64	cps
Terbium	159-2	11067502	11035205	10879056	10993921	0.92	cps
Thallium	203-1	383	413	367	388	6.10	cps
Thallium	205-1	953	1037	883	958	8.02	cps
Tin	118-1	1187	1177	1123	1162	2.93	cps
Titanium	47-1	90	113	67	90	25.93	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	ICB002	Instrumnet Name :	P7
Client Sample ID :	ICB002	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 15:38:52	DataFile Name :	015CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	33	17	7	19	71.30	cps
Vanadium	51-2	10	30	27	22	48.22	cps
Yttrium	89-1	18659415	18813600	18684391	18719135	0.44	cps
Yttrium	89-2	5411106	5328928	5273534	5337856	1.30	cps
Zinc	66-2	263	243	250	252	4.04	cps
Zirconium	90-1	827	720	697	748	9.27	cps
Zirconium	91-1	177	173	170	173	1.92	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	ICSA002	Instrumnet Name :	P7
Client Sample ID :	ICSA002	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 15:42:22	DataFile Name :	016ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	25104197	25001950	25251174	25119107	0.50	cps
Antimony	121-1	13186	12959	13637	13261	2.60	cps
Arsenic	75-2	243	223	170	212	17.86	cps
Barium	135-1	4144	4131	4121	4132	0.28	cps
Barium	137-1	7032	7068	7209	7103	1.31	cps
Beryllium	9-1	537	493	440	490	9.88	cps
Bismuth	209-1	8837316	8971345	8955945	8921535	0.82	cps
Bismuth	209-2	7597129	7870474	7672427	7713343	1.83	cps
Bromine	81-1	13169	13606	13830	13535	2.48	cps
Bromine	81-2	370	413	450	411	9.74	cps
Cadmium	108-1	1930	1783	1737	1817	5.55	cps
Cadmium	106-1	3921	3827	3851	3866	1.26	cps
Cadmium	111-1	1876	1790	1798	1821	2.62	cps
Calcium	43-1	2892914	2898330	2939503	2910249	0.88	cps
Calcium	44-1	46366113	46637183	47069454	46690917	0.76	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	93004	91686	92370	92354	0.71	cps
Cobalt	59-2	8909	9266	8793	8989	2.74	cps
Copper	63-2	37303	36845	37109	37086	0.62	cps
Dysprosium	156-1	60	37	80	59	36.83	cps
Dysprosium	156-2	57	27	47	43	35.25	cps
Erbium	164-1	107	123	103	111	9.65	cps
Erbium	164-2	93	83	117	98	17.50	cps
Gadolinium	160-1	113	127	93	111	15.10	cps
Gadolinium	160-2	677	667	680	674	1.03	cps
Holmium	165-1	15084933	15223883	15420251	15243022	1.11	cps
Holmium	165-2	11131457	11278281	11470988	11293575	1.51	cps
Indium	115-1	11659770	11601619	11700635	11654008	0.43	cps
Indium	115-2	4531855	4533723	4580614	4548731	0.61	cps
Iron	56-2	436638460	436596953	433416487	435550634	0.42	cps
Iron	57-2	10899836	10882617	10743215	10841889	0.79	cps
Iron	54-2	23620235	23563552	23630322	23604703	0.15	cps
Krypton	83-1	137	183	203	174	19.61	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	ICSA002	Instrumnet Name :	P7
Client Sample ID :	ICSA002	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 15:42:22	DataFile Name :	016ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	43446	43827	43657	43643	0.44	cps
Lead	207-1	34544	35226	34995	34922	0.99	cps
Lead	208-1	163731	165844	164621	164732	0.64	cps
Lithium	6-1	1943177	1883853	1904660	1910563	1.58	cps
Magnesium	24-2	40936957	40646610	41343184	40975584	0.85	cps
Manganese	55-2	29025	29596	29766	29462	1.32	cps
Molybdenum	94-1	6361887	6380904	6361544	6368112	0.17	cps
Molybdenum	95-1	11269862	11265273	11396836	11310657	0.66	cps
Molybdenum	96-1	12109808	12164836	12354067	12209571	1.05	cps
Molybdenum	97-1	6963185	6945952	7070142	6993093	0.96	cps
Molybdenum	98-1	17915771	18146521	18247936	18103409	0.94	cps
Neodymium	150-1	77	53	43	58	29.61	cps
Neodymium	150-2	33	27	37	32	15.80	cps
Nickel	60-2	10404	9683	9663	9917	4.25	cps
Phosphorus	31-2	1262507	1254678	1256228	1257804	0.33	cps
Potassium	39-2	53210696	53086451	53584544	53293897	0.49	cps
Rhodium	103-1	10425994	10247578	10291564	10321712	0.90	cps
Rhodium	103-2	6346044	6475702	6432120	6417955	1.03	cps
Scandium	45-1	6212981	6260068	6255948	6242999	0.42	cps
Scandium	45-2	561244	565732	567239	564738	0.55	cps
Selenium	82-1	218	134	149	167	26.82	cps
Selenium	77-2	3	3	3	3	0.00	cps
Selenium	78-2	333	347	403	361	10.29	cps
Silicon	28-1	598407	586939	590475	591940	0.99	cps
Silver	107-1	810	677	653	713	11.85	cps
Silver	109-1	773	670	567	670	15.42	cps
Sodium	23-2	67340066	67128987	67224929	67231327	0.16	cps
Strontium	86-1	121805	121112	123499	122139	1.01	cps
Strontium	88-1	1063680	1068995	1081689	1071455	0.86	cps
Sulfur	34-1	4162522	4134088	4171373	4155995	0.47	cps
Terbium	159-1	15296814	15438055	15518552	15417807	0.73	cps
Terbium	159-2	11047523	11097376	11137052	11093984	0.40	cps
Thallium	203-1	1607	1633	1350	1530	10.23	cps
Thallium	205-1	3570	3507	3364	3480	3.04	cps
Tin	118-1	2707	2767	2487	2654	5.56	cps
Titanium	47-1	2755889	2743803	2816868	2772186	1.41	cps

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On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	ICSA002	Instrumnet Name :	P7
Client Sample ID :	ICSA002	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 15:42:22	DataFile Name :	016ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	573	547	610	577	5.51	cps
Vanadium	51-2	827	837	840	834	0.83	cps
Yttrium	89-1	18069952	17851880	18032163	17984665	0.65	cps
Yttrium	89-2	5109650	5117475	5125544	5117556	0.16	cps
Zinc	66-2	9820	10020	9750	9863	1.42	cps
Zirconium	90-1	1210	1223	1367	1267	6.86	cps
Zirconium	91-1	213	287	320	273	19.96	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	ICSAB002	Instrumnet Name :	P7
Client Sample ID :	ICSAB002	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 15:45:27	DataFile Name :	017ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	26400806	26367198	26288447	26352150	0.22	cps
Antimony	121-1	260198	264440	265080	263239	1.01	cps
Arsenic	75-2	13436	13283	13256	13325	0.73	cps
Barium	135-1	67670	68855	68212	68246	0.87	cps
Barium	137-1	118327	117167	118293	117929	0.56	cps
Beryllium	9-1	30831	31315	31215	31120	0.82	cps
Bismuth	209-1	9258718	9231787	9314577	9268360	0.46	cps
Bismuth	209-2	7787850	7813178	7764812	7788613	0.31	cps
Bromine	81-1	13820	14307	14784	14304	3.37	cps
Bromine	81-2	403	460	437	433	6.57	cps
Cadmium	108-1	5664	5918	5725	5769	2.30	cps
Cadmium	106-1	9490	10044	9867	9800	2.89	cps
Cadmium	111-1	61565	62496	62224	62095	0.77	cps
Calcium	43-1	3096385	3126872	3142650	3121969	0.75	cps
Calcium	44-1	50124188	50258958	49544791	49975979	0.76	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	191729	191290	192346	191788	0.28	cps
Cobalt	59-2	157739	157051	157466	157419	0.22	cps
Copper	63-2	139318	137773	138601	138564	0.56	cps
Dysprosium	156-1	43	63	73	60	25.46	cps
Dysprosium	156-2	30	27	37	31	16.37	cps
Erbium	164-1	123	110	157	130	18.49	cps
Erbium	164-2	77	97	70	81	17.11	cps
Gadolinium	160-1	117	120	117	118	1.63	cps
Gadolinium	160-2	653	653	700	669	4.03	cps
Holmium	165-1	15821394	15840514	15722324	15794744	0.40	cps
Holmium	165-2	11453660	11427239	11332973	11404624	0.56	cps
Indium	115-1	12327880	12103013	12208470	12213121	0.92	cps
Indium	115-2	4650638	4592539	4618295	4620491	0.63	cps
Iron	56-2	453626500	453480807	452675913	453261073	0.11	cps
Iron	57-2	11386737	11358292	11301173	11348734	0.38	cps
Iron	54-2	24696480	24879980	24632950	24736470	0.52	cps
Krypton	83-1	170	190	187	182	5.88	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	ICSAB002	Instrumnet Name :	P7
Client Sample ID :	ICSAB002	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 15:45:27	DataFile Name :	017ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	235651	238589	240583	238274	1.04	cps
Lead	207-1	197662	198394	202215	199424	1.23	cps
Lead	208-1	915695	921662	937439	924932	1.21	cps
Lithium	6-1	1915042	1904060	1944002	1921034	1.07	cps
Magnesium	24-2	42781083	42799898	42812081	42797687	0.04	cps
Manganese	55-2	109182	108209	109850	109080	0.76	cps
Molybdenum	94-1	6806520	6754789	6826582	6795964	0.55	cps
Molybdenum	95-1	11993563	12072333	12027556	12031150	0.33	cps
Molybdenum	96-1	12902212	13041369	13013386	12985656	0.57	cps
Molybdenum	97-1	7402616	7490863	7512511	7468663	0.78	cps
Molybdenum	98-1	19197278	19456327	19416064	19356557	0.72	cps
Neodymium	150-1	80	73	63	72	11.62	cps
Neodymium	150-2	27	37	37	33	17.32	cps
Nickel	60-2	47756	46950	47134	47280	0.89	cps
Phosphorus	31-2	1316838	1305381	1300279	1307499	0.65	cps
Potassium	39-2	55627736	56125753	55676041	55809843	0.49	cps
Rhodium	103-1	10916482	10777929	10844249	10846220	0.64	cps
Rhodium	103-2	6572901	6587709	6488790	6549800	0.81	cps
Scandium	45-1	6582656	6567395	6488692	6546248	0.77	cps
Scandium	45-2	579948	580215	580369	580177	0.04	cps
Selenium	82-1	3870	3879	3915	3888	0.62	cps
Selenium	77-2	413	360	447	407	10.75	cps
Selenium	78-2	1750	1703	1813	1756	3.15	cps
Silicon	28-1	632034	635246	635523	634267	0.31	cps
Silver	107-1	295123	296456	297289	296289	0.37	cps
Silver	109-1	280435	285681	283983	283366	0.94	cps
Sodium	23-2	70260881	70439326	70376266	70358824	0.13	cps
Strontium	86-1	131256	131709	130828	131264	0.34	cps
Strontium	88-1	1137462	1148015	1144366	1143281	0.47	cps
Sulfur	34-1	4430578	4356184	4402762	4396508	0.85	cps
Terbium	159-1	16422007	15897622	16142267	16153966	1.62	cps
Terbium	159-2	11171733	11293370	11226279	11230461	0.54	cps
Thallium	203-1	243040	243998	243870	243636	0.21	cps
Thallium	205-1	577465	576131	583166	578921	0.65	cps
Tin	118-1	2687	2857	2494	2679	6.79	cps
Titanium	47-1	2950996	2970109	2937919	2953008	0.55	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	ICSAB002	Instrumnet Name :	P7
Client Sample ID :	ICSAB002	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 15:45:27	DataFile Name :	017ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	623	703	610	646	7.82	cps
Vanadium	51-2	84049	84210	84501	84253	0.27	cps
Yttrium	89-1	18995628	18718331	18557039	18757000	1.18	cps
Yttrium	89-2	5143640	5201952	5197061	5180884	0.62	cps
Zinc	66-2	29118	29192	28764	29025	0.79	cps
Zirconium	90-1	1183	1110	1267	1187	6.61	cps
Zirconium	91-1	263	280	240	261	7.70	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	CCV011	Instrumnet Name :	P7
Client Sample ID :	CCV011	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 15:48:33	DataFile Name :	018CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	13741311	13747834	13686893	13725346	0.24	cps
Antimony	121-1	5890326	5883076	5912513	5895305	0.26	cps
Arsenic	75-2	292513	291994	293987	292831	0.35	cps
Barium	135-1	7725031	7601584	7776308	7700974	1.17	cps
Barium	137-1	13093007	13286544	13238381	13205977	0.76	cps
Beryllium	9-1	703822	713067	712191	709693	0.72	cps
Bismuth	209-1	8898233	8898566	8747741	8848180	0.98	cps
Bismuth	209-2	7483496	7324055	7299247	7368932	1.36	cps
Bromine	81-1	13436	12849	12952	13079	2.40	cps
Bromine	81-2	127	103	143	124	16.15	cps
Cadmium	108-1	105550	106544	107887	106660	1.10	cps
Cadmium	106-1	153679	153871	153986	153846	0.10	cps
Cadmium	111-1	1436644	1461437	1447970	1448683	0.86	cps
Calcium	43-1	7567209	7452580	7547460	7522416	0.81	cps
Calcium	44-1	121572495	121759122	121899625	121743747	0.13	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2283084	2271959	2292771	2282605	0.46	cps
Cobalt	59-2	3501327	3518770	3503713	3507936	0.27	cps
Copper	63-2	24455403	24347826	24392624	24398618	0.22	cps
Dysprosium	156-1	283	267	273	274	3.06	cps
Dysprosium	156-2	523	507	620	550	11.13	cps
Erbium	164-1	313	337	297	316	6.37	cps
Erbium	164-2	253	170	263	229	22.39	cps
Gadolinium	160-1	303	250	333	296	14.28	cps
Gadolinium	160-2	700	737	753	730	3.74	cps
Holmium	165-1	15229335	15430126	15336984	15332148	0.66	cps
Holmium	165-2	11112985	11072706	11074516	11086736	0.21	cps
Indium	115-1	11651145	11616896	11492372	11586804	0.72	cps
Indium	115-2	4393632	4366083	4384703	4381472	0.32	cps
Iron	56-2	534920379	538048139	537275339	536747952	0.30	cps
Iron	57-2	13477880	13316214	13529403	13441166	0.83	cps
Iron	54-2	29201992	29218177	29233179	29217783	0.05	cps
Krypton	83-1	167	233	243	214	19.44	cps

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	CCV011	Instrumnet Name :	P7
Client Sample ID :	CCV011	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 15:48:33	DataFile Name :	018CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	23128572	23036410	23159132	23108038	0.28	cps
Lead	207-1	20475263	20384532	20400840	20420212	0.24	cps
Lead	208-1	92767038	92758837	92845248	92790374	0.05	cps
Lithium	6-1	1874918	1886296	1880853	1880689	0.30	cps
Magnesium	24-2	105850138	105467912	105497172	105605074	0.20	cps
Manganese	55-2	18869481	18872360	18851853	18864564	0.06	cps
Molybdenum	94-1	20113911	20482881	20194126	20263639	0.96	cps
Molybdenum	95-1	29486760	29561463	29316072	29454765	0.43	cps
Molybdenum	96-1	32260248	32225947	32388149	32291448	0.26	cps
Molybdenum	97-1	18374071	18418646	18252211	18348309	0.47	cps
Molybdenum	98-1	47407289	47354191	46982948	47248143	0.49	cps
Neodymium	150-1	410	497	513	473	11.72	cps
Neodymium	150-2	173	137	150	153	12.10	cps
Nickel	60-2	836248	831952	834002	834067	0.26	cps
Phosphorus	31-2	124088	122384	122182	122885	0.85	cps
Potassium	39-2	68571357	68769416	68427721	68589498	0.25	cps
Rhodium	103-1	10499490	10183925	10116780	10266732	1.99	cps
Rhodium	103-2	6190034	6204263	6162453	6185583	0.34	cps
Scandium	45-1	6407173	6394392	6374730	6392098	0.26	cps
Scandium	45-2	566129	568961	567096	567395	0.25	cps
Selenium	82-1	84986	86000	85527	85504	0.59	cps
Selenium	77-2	9300	9693	9260	9418	2.54	cps
Selenium	78-2	31777	31537	30508	31274	2.16	cps
Silicon	28-1	7538646	7506689	7586374	7543903	0.53	cps
Silver	107-1	7111000	7117006	7178269	7135425	0.52	cps
Silver	109-1	6929261	6849094	6965833	6914729	0.86	cps
Sodium	23-2	170017121	171654564	170942047	170871244	0.48	cps
Strontium	86-1	1874676	1880450	1856312	1870479	0.67	cps
Strontium	88-1	16152916	16407761	16296896	16285858	0.78	cps
Sulfur	34-1	544367	544409	546189	544988	0.19	cps
Terbium	159-1	15691545	15673875	15619554	15661658	0.24	cps
Terbium	159-2	10849932	10927707	10849538	10875726	0.41	cps
Thallium	203-1	5790023	5899489	5840456	5843322	0.94	cps
Thallium	205-1	13761001	13871979	13805489	13812823	0.40	cps
Tin	118-1	4885573	4899341	4932081	4905665	0.49	cps
Titanium	47-1	7026832	7021887	7036154	7028291	0.10	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	CCV011	Instrumnet Name :	P7
Client Sample ID :	CCV011	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 15:48:33	DataFile Name :	018CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	18289677	18640290	18672074	18534014	1.14	cps
Vanadium	51-2	2084789	2065536	2059661	2069995	0.63	cps
Yttrium	89-1	18223240	18120977	18138143	18160787	0.30	cps
Yttrium	89-2	5061950	5023200	5000638	5028596	0.62	cps
Zinc	66-2	4240579	4226197	4229259	4232012	0.18	cps
Zirconium	90-1	9977471	10080422	10078799	10045564	0.59	cps
Zirconium	91-1	2204250	2251788	2209640	2221893	1.17	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	CCB011	Instrumnet Name :	P7
Client Sample ID :	CCB011	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 15:51:19	DataFile Name :	019CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	937	880	760	859	10.50	cps
Antimony	121-1	2724	2724	2604	2684	2.58	cps
Arsenic	75-2	17	27	17	20	28.86	cps
Barium	135-1	540	637	547	574	9.40	cps
Barium	137-1	963	927	913	934	2.77	cps
Beryllium	9-1	210	247	233	230	8.07	cps
Bismuth	209-1	9723200	9755916	8335997	9271704	8.74	cps
Bismuth	209-2	8338557	8455957	8403116	8399210	0.70	cps
Bromine	81-1	13359	13490	13433	13427	0.49	cps
Bromine	81-2	197	183	130	170	20.75	cps
Cadmium	108-1	27	27	27	27	0.00	cps
Cadmium	106-1	4828	4531	3791	4383	12.18	cps
Cadmium	111-1	1123	1075	909	1036	10.82	cps
Calcium	43-1	710	677	713	700	2.90	cps
Calcium	44-1	14017	15345	14310	14557	4.79	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2190	2080	2130	2134	2.58	cps
Cobalt	59-2	293	327	293	304	6.32	cps
Copper	63-2	2724	2577	2497	2599	4.42	cps
Dysprosium	156-1	3	7	10	7	50.03	cps
Dysprosium	156-2	0	3	3	2	86.60	cps
Erbium	164-1	100	53	60	71	35.50	cps
Erbium	164-2	70	70	70	70	0.00	cps
Gadolinium	160-1	53	63	60	59	8.65	cps
Gadolinium	160-2	690	697	677	688	1.48	cps
Holmium	165-1	15391961	15693862	13411964	14832596	8.36	cps
Holmium	165-2	11496019	11731484	11517654	11581719	1.12	cps
Indium	115-1	12331942	12508775	10790053	11876923	7.96	cps
Indium	115-2	4895952	4936325	4847571	4893282	0.91	cps
Iron	56-2	53833	52425	48578	51612	5.27	cps
Iron	57-2	1770	1947	1740	1819	6.14	cps
Iron	54-2	4324	4051	4231	4202	3.31	cps
Krypton	83-1	160	190	207	186	12.75	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	CCB011	Instrumnet Name :	P7
Client Sample ID :	CCB011	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 15:51:19	DataFile Name :	019CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2400	2667	2384	2484	6.40	cps
Lead	207-1	2077	2204	2070	2117	3.55	cps
Lead	208-1	9478	10235	9308	9674	5.10	cps
Lithium	6-1	2036967	2016814	1761103	1938295	7.93	cps
Magnesium	24-2	6391	5824	5374	5863	8.69	cps
Manganese	55-2	1503	1440	1290	1411	7.76	cps
Molybdenum	94-1	2360	2474	2287	2374	3.96	cps
Molybdenum	95-1	2967	3007	2660	2878	6.59	cps
Molybdenum	96-1	3244	3417	3180	3280	3.74	cps
Molybdenum	97-1	1850	1897	1697	1815	5.77	cps
Molybdenum	98-1	4434	4918	4417	4590	6.19	cps
Neodymium	150-1	7	3	3	4	43.40	cps
Neodymium	150-2	3	0	10	4	114.60	cps
Nickel	60-2	697	670	630	666	5.04	cps
Phosphorus	31-2	157	177	153	162	7.78	cps
Potassium	39-2	58097	58867	57916	58293	0.87	cps
Rhodium	103-1	11261065	11443884	9731422	10812124	8.70	cps
Rhodium	103-2	7089689	7140920	7128762	7119790	0.38	cps
Scandium	45-1	6453937	6637367	5658110	6249805	8.33	cps
Scandium	45-2	602577	595922	599934	599478	0.56	cps
Selenium	82-1	176	129	77	127	38.70	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	397	430	447	424	6.00	cps
Silicon	28-1	537776	536943	539959	538226	0.29	cps
Silver	107-1	1160	1170	1107	1146	2.97	cps
Silver	109-1	1230	1090	950	1090	12.84	cps
Sodium	23-2	60629	57460	56490	58193	3.72	cps
Strontium	86-1	420	470	437	442	5.76	cps
Strontium	88-1	1140	1257	1193	1197	4.88	cps
Sulfur	34-1	161783	165283	166866	164644	1.58	cps
Terbium	159-1	15615141	16117351	13706459	15146317	8.40	cps
Terbium	159-2	11471207	11439887	11418932	11443342	0.23	cps
Thallium	203-1	1653	1590	1407	1550	8.27	cps
Thallium	205-1	3914	3727	3561	3734	4.74	cps
Tin	118-1	1757	1823	1740	1773	2.49	cps
Titanium	47-1	580	883	630	698	23.31	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	CCB011	Instrumnet Name :	P7
Client Sample ID :	CCB011	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 15:51:19	DataFile Name :	019CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	1307	1453	1340	1367	5.63	cps
Vanadium	51-2	117	113	90	107	13.62	cps
Yttrium	89-1	18393416	18827864	16083358	17768213	8.30	cps
Yttrium	89-2	5341562	5279125	5367058	5329249	0.85	cps
Zinc	66-2	433	313	353	367	16.66	cps
Zirconium	90-1	1997	2287	2043	2109	7.38	cps
Zirconium	91-1	403	497	460	453	10.37	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5306-02DLX10	Instrumnet Name :	P7
Client Sample ID :	OU4-VSL-07-121224	Dilution Factor :	10
Date & Time Acquired :	2024-12-27 15:57:58	DataFile Name :	021SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3552977	3564934	3552460	3556790	0.20	cps
Antimony	121-1	440	430	457	442	3.05	cps
Arsenic	75-2	617	490	640	582	13.86	cps
Barium	135-1	64834	65553	66122	65503	0.99	cps
Barium	137-1	112013	114698	116216	114309	1.86	cps
Beryllium	9-1	597	607	600	601	0.85	cps
Bismuth	209-1	9418866	9434246	9474413	9442508	0.30	cps
Bismuth	209-2	7990018	7984295	8095327	8023213	0.78	cps
Bromine	81-1	13773	14554	14557	14295	3.16	cps
Bromine	81-2	300	347	320	322	7.26	cps
Cadmium	108-1	40	50	13	34	55.04	cps
Cadmium	106-1	5001	4891	4908	4933	1.20	cps
Cadmium	111-1	1345	1386	1362	1364	1.53	cps
Calcium	43-1	1339491	1387825	1346712	1358009	1.92	cps
Calcium	44-1	21535505	21695172	21926806	21719161	0.91	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	19910	19446	20144	19833	1.79	cps
Cobalt	59-2	258620	258223	258310	258384	0.08	cps
Copper	63-2	43179	43637	43065	43294	0.70	cps
Dysprosium	156-1	79765	82601	83033	81800	2.17	cps
Dysprosium	156-2	68355	68017	68332	68235	0.28	cps
Erbium	164-1	105984	108806	108517	107769	1.44	cps
Erbium	164-2	79494	78801	80339	79545	0.97	cps
Gadolinium	160-1	86538	87303	88675	87505	1.24	cps
Gadolinium	160-2	67491	67002	67622	67372	0.49	cps
Holmium	165-1	15860073	15519055	15584364	15654497	1.16	cps
Holmium	165-2	11535498	11445902	11385243	11455548	0.66	cps
Indium	115-1	12439768	12504642	12541085	12495165	0.41	cps
Indium	115-2	4855853	4775031	4809197	4813360	0.84	cps
Iron	56-2	475955006	480910473	478851846	478572442	0.52	cps
Iron	57-2	11764796	11921234	11897390	11861140	0.71	cps
Iron	54-2	26060432	25995305	26246579	26100772	0.50	cps
Krypton	83-1	323	360	357	347	5.85	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5306-02DLX10	Instrumnet Name :	P7
Client Sample ID :	OU4-VSL-07-121224	Dilution Factor :	10
Date & Time Acquired :	2024-12-27 15:57:58	DataFile Name :	021SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4477	4577	4567	4541	1.21	cps
Lead	207-1	3574	3624	3771	3656	2.80	cps
Lead	208-1	17161	17098	17505	17254	1.27	cps
Lithium	6-1	1995236	1960394	1962194	1972608	0.99	cps
Magnesium	24-2	9037633	9037151	9092287	9055690	0.35	cps
Manganese	55-2	6580186	6525738	6607503	6571142	0.63	cps
Molybdenum	94-1	4674	4931	4838	4814	2.70	cps
Molybdenum	95-1	2210	2167	2090	2156	2.82	cps
Molybdenum	96-1	7489	7775	7582	7615	1.92	cps
Molybdenum	97-1	1283	1393	1330	1336	4.13	cps
Molybdenum	98-1	3260	3364	3227	3284	2.17	cps
Neodymium	150-1	91364	92987	91353	91901	1.02	cps
Neodymium	150-2	58066	56821	58059	57648	1.24	cps
Nickel	60-2	25755	26266	26243	26088	1.11	cps
Phosphorus	31-2	4317	4324	4447	4363	1.68	cps
Potassium	39-2	259560	263748	263290	262199	0.88	cps
Rhodium	103-1	11228677	11377880	11418917	11341825	0.88	cps
Rhodium	103-2	6922941	6866253	6973997	6921064	0.78	cps
Scandium	45-1	6713168	6668870	6783645	6721894	0.86	cps
Scandium	45-2	607095	606979	611048	608374	0.38	cps
Selenium	82-1	299	251	209	253	17.82	cps
Selenium	77-2	177	173	170	173	1.92	cps
Selenium	78-2	553	587	617	586	5.41	cps
Silicon	28-1	73223456	75308867	74846069	74459464	1.47	cps
Silver	107-1	440	447	477	454	4.30	cps
Silver	109-1	400	327	293	340	16.05	cps
Sodium	23-2	4634574	4620826	4705539	4653646	0.98	cps
Strontium	86-1	389143	391925	400703	393923	1.53	cps
Strontium	88-1	3503475	3599865	3594446	3565929	1.52	cps
Sulfur	34-1	5230904	5316594	5331113	5292870	1.02	cps
Terbium	159-1	15900514	16197040	16246217	16114590	1.16	cps
Terbium	159-2	11268115	11287718	11113449	11223094	0.85	cps
Thallium	203-1	890	967	920	926	4.17	cps
Thallium	205-1	2257	2074	2097	2142	4.66	cps
Tin	118-1	3071	2670	2704	2815	7.89	cps
Titanium	47-1	3344	2990	3180	3171	5.58	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5306-02DLX10	Instrumnet Name :	P7
Client Sample ID :	OU4-VSL-07-121224	Dilution Factor :	10
Date & Time Acquired :	2024-12-27 15:57:58	DataFile Name :	021SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	46484	47260	47377	47041	1.03	cps
Vanadium	51-2	516649	516727	519906	517761	0.36	cps
Yttrium	89-1	20737089	20904103	20716206	20785799	0.50	cps
Yttrium	89-2	5847576	5820498	5875078	5847718	0.47	cps
Zinc	66-2	118331	117595	118004	117976	0.31	cps
Zirconium	90-1	9500	9216	9583	9433	2.04	cps
Zirconium	91-1	1953	2107	2097	2052	4.18	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5306-02DUPDLX10	Instrumnet Name :	P7
Client Sample ID :	OU4-VSL-07-121224	Dilution Factor :	10
Date & Time Acquired :	2024-12-27 16:01:09	DataFile Name :	022SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3629851	3653396	3707691	3663646	1.09	cps
Antimony	121-1	333	343	400	359	10.02	cps
Arsenic	75-2	600	633	560	598	6.14	cps
Barium	135-1	67261	67281	66464	67002	0.70	cps
Barium	137-1	116550	117453	117622	117208	0.49	cps
Beryllium	9-1	547	590	547	561	4.46	cps
Bismuth	209-1	9317470	9302235	9340197	9319967	0.20	cps
Bismuth	209-2	8171062	8104318	8211416	8162265	0.66	cps
Bromine	81-1	14697	15091	14661	14816	1.61	cps
Bromine	81-2	350	343	343	346	1.11	cps
Cadmium	108-1	33	57	50	47	25.76	cps
Cadmium	106-1	4948	5231	5128	5102	2.81	cps
Cadmium	111-1	1356	1475	1406	1412	4.24	cps
Calcium	43-1	1414130	1440541	1399659	1418110	1.46	cps
Calcium	44-1	22681024	22822426	22632870	22712107	0.43	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	20731	20784	20614	20710	0.42	cps
Cobalt	59-2	267202	267801	267717	267573	0.12	cps
Copper	63-2	44549	44202	44559	44437	0.46	cps
Dysprosium	156-1	84535	85478	84686	84900	0.60	cps
Dysprosium	156-2	69149	69641	69662	69484	0.42	cps
Erbium	164-1	110321	110700	111255	110759	0.42	cps
Erbium	164-2	81546	80999	82307	81618	0.80	cps
Gadolinium	160-1	89332	89863	91651	90282	1.35	cps
Gadolinium	160-2	68999	68851	69421	69090	0.43	cps
Holmium	165-1	15595192	15443222	15813121	15617178	1.19	cps
Holmium	165-2	11663792	11531933	11576388	11590704	0.58	cps
Indium	115-1	12519083	12346695	12757445	12541074	1.64	cps
Indium	115-2	4862098	4885865	4858210	4868724	0.31	cps
Iron	56-2	495645739	496888153	496080779	496204890	0.13	cps
Iron	57-2	12291213	12287149	12404439	12327601	0.54	cps
Iron	54-2	26971645	26920331	27151843	27014606	0.45	cps
Krypton	83-1	363	333	360	352	4.67	cps

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5306-02DUPDLX10	Instrumnet Name :	P7
Client Sample ID :	OU4-VSL-07-121224	Dilution Factor :	10
Date & Time Acquired :	2024-12-27 16:01:09	DataFile Name :	022SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4307	4734	4434	4492	4.88	cps
Lead	207-1	3697	3447	3911	3685	6.30	cps
Lead	208-1	17211	17575	17608	17465	1.26	cps
Lithium	6-1	1973444	1884518	1921684	1926549	2.32	cps
Magnesium	24-2	9386159	9293923	9352807	9344297	0.50	cps
Manganese	55-2	6760307	6824103	6859546	6814652	0.74	cps
Molybdenum	94-1	3867	4004	3757	3876	3.19	cps
Molybdenum	95-1	667	590	647	634	6.27	cps
Molybdenum	96-1	6448	6318	6852	6539	4.25	cps
Molybdenum	97-1	443	413	430	429	3.51	cps
Molybdenum	98-1	720	730	793	748	5.32	cps
Neodymium	150-1	94255	95504	95487	95082	0.75	cps
Neodymium	150-2	58976	59890	60640	59835	1.39	cps
Nickel	60-2	26794	27522	27158	27158	1.34	cps
Phosphorus	31-2	4421	4654	4361	4478	3.46	cps
Potassium	39-2	268654	269445	269587	269229	0.19	cps
Rhodium	103-1	11662933	11412777	11482307	11519339	1.12	cps
Rhodium	103-2	7046124	7043949	7117077	7069050	0.59	cps
Scandium	45-1	6877034	6733629	6879192	6829952	1.22	cps
Scandium	45-2	613702	616592	621043	617112	0.60	cps
Selenium	82-1	252	269	236	253	6.49	cps
Selenium	77-2	223	207	160	197	16.69	cps
Selenium	78-2	590	547	570	569	3.81	cps
Silicon	28-1	76955221	78155462	78046931	77719204	0.85	cps
Silver	107-1	400	350	343	364	8.50	cps
Silver	109-1	230	263	283	259	10.41	cps
Sodium	23-2	4733597	4755661	4822877	4770711	0.97	cps
Strontium	86-1	409776	410853	411418	410682	0.20	cps
Strontium	88-1	3684595	3664415	3701672	3683561	0.51	cps
Sulfur	34-1	5503957	5578149	5526413	5536173	0.69	cps
Terbium	159-1	16143807	15739501	16331953	16071754	1.88	cps
Terbium	159-2	11376609	11379125	11420659	11392131	0.22	cps
Thallium	203-1	820	847	697	788	10.16	cps
Thallium	205-1	1787	1937	1883	1869	4.07	cps
Tin	118-1	2307	2394	2204	2301	4.13	cps
Titanium	47-1	2964	3314	3047	3108	5.88	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5306-02DUPDLX10	Instrumnet Name :	P7
Client Sample ID :	OU4-VSL-07-121224	Dilution Factor :	10
Date & Time Acquired :	2024-12-27 16:01:09	DataFile Name :	022SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	46651	47745	48381	47593	1.84	cps
Vanadium	51-2	537309	537347	536698	537118	0.07	cps
Yttrium	89-1	20931165	20615443	21207631	20918080	1.42	cps
Yttrium	89-2	5991148	5952088	5949138	5964125	0.39	cps
Zinc	66-2	123011	121499	122235	122248	0.62	cps
Zirconium	90-1	8836	9146	9130	9037	1.93	cps
Zirconium	91-1	2087	2107	2094	2096	0.49	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5306-02LDLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-VSL-07-121224L	Dilution Factor :	50
Date & Time Acquired :	2024-12-27 16:04:21	DataFile Name :	023SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	723286	729219	725294	725933	0.42	cps
Antimony	121-1	227	170	180	192	15.74	cps
Arsenic	75-2	137	137	123	132	5.82	cps
Barium	135-1	13617	13683	13627	13642	0.26	cps
Barium	137-1	23045	23566	24037	23550	2.11	cps
Beryllium	9-1	227	203	233	221	7.12	cps
Bismuth	209-1	9740890	9790797	9685010	9738899	0.54	cps
Bismuth	209-2	8349753	8310918	8397163	8352612	0.52	cps
Bromine	81-1	14998	14387	14344	14576	2.51	cps
Bromine	81-2	200	193	203	199	2.56	cps
Cadmium	108-1	7	13	13	11	34.61	cps
Cadmium	106-1	5034	4814	4571	4806	4.82	cps
Cadmium	111-1	1116	1043	1014	1058	4.98	cps
Calcium	43-1	291848	291115	291618	291527	0.13	cps
Calcium	44-1	4571026	4642159	4638309	4617165	0.87	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	5501	5394	5648	5514	2.31	cps
Cobalt	59-2	54897	55094	54662	54884	0.39	cps
Copper	63-2	10504	11031	11108	10881	3.02	cps
Dysprosium	156-1	16697	17254	16563	16838	2.18	cps
Dysprosium	156-2	13537	14054	14030	13874	2.11	cps
Erbium	164-1	22051	21730	21997	21926	0.78	cps
Erbium	164-2	15923	16683	15839	16148	2.88	cps
Gadolinium	160-1	18392	17715	17571	17893	2.45	cps
Gadolinium	160-2	14024	14471	14014	14169	1.84	cps
Holmium	165-1	16119216	16273683	16053257	16148719	0.70	cps
Holmium	165-2	11617507	11628239	11703252	11649666	0.40	cps
Indium	115-1	13232881	13194797	13106862	13178180	0.49	cps
Indium	115-2	5010453	5029364	5060226	5033348	0.50	cps
Iron	56-2	100916489	101559382	100912595	101129488	0.37	cps
Iron	57-2	2518272	2518471	2527917	2521554	0.22	cps
Iron	54-2	5563364	5526944	5547922	5546077	0.33	cps
Krypton	83-1	200	233	240	224	9.55	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5306-02LDLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-VSL-07-121224L	Dilution Factor :	50
Date & Time Acquired :	2024-12-27 16:04:21	DataFile Name :	023SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1417	1387	1410	1405	1.12	cps
Lead	207-1	1190	1167	1060	1139	6.09	cps
Lead	208-1	5504	5360	5454	5439	1.34	cps
Lithium	6-1	2041960	2010354	2009914	2020743	0.91	cps
Magnesium	24-2	1950766	1949647	1901889	1934100	1.44	cps
Manganese	55-2	1389038	1419479	1352533	1387017	2.42	cps
Molybdenum	94-1	1243	1263	1350	1286	4.41	cps
Molybdenum	95-1	617	630	603	617	2.16	cps
Molybdenum	96-1	1880	1880	1880	1880	0.00	cps
Molybdenum	97-1	360	413	377	383	7.12	cps
Molybdenum	98-1	967	897	890	918	4.63	cps
Neodymium	150-1	18926	19006	18629	18854	1.05	cps
Neodymium	150-2	11662	11942	11962	11855	1.42	cps
Nickel	60-2	5815	5811	6308	5978	4.78	cps
Phosphorus	31-2	1060	1113	873	1016	12.41	cps
Potassium	39-2	100187	102452	100727	101122	1.17	cps
Rhodium	103-1	12072276	12119788	12135596	12109220	0.27	cps
Rhodium	103-2	7369163	7369005	7415482	7384550	0.36	cps
Scandium	45-1	7112077	7170417	7207344	7163279	0.67	cps
Scandium	45-2	638208	641907	638862	639659	0.31	cps
Selenium	82-1	263	159	119	180	41.16	cps
Selenium	77-2	30	23	33	29	17.63	cps
Selenium	78-2	480	480	517	492	4.30	cps
Silicon	28-1	16337846	16275959	16474552	16362785	0.62	cps
Silver	107-1	263	187	187	212	20.86	cps
Silver	109-1	157	133	117	136	14.82	cps
Sodium	23-2	938817	946392	936451	940553	0.55	cps
Strontium	86-1	83062	83090	83545	83232	0.33	cps
Strontium	88-1	712155	715945	715656	714585	0.30	cps
Sulfur	34-1	1315790	1296394	1313395	1308526	0.81	cps
Terbium	159-1	16585329	16296014	16377055	16419466	0.91	cps
Terbium	159-2	11656724	11541283	11646922	11614976	0.55	cps
Thallium	203-1	587	657	637	627	5.75	cps
Thallium	205-1	1403	1490	1233	1376	9.49	cps
Tin	118-1	1797	1777	1800	1791	0.70	cps
Titanium	47-1	730	760	760	750	2.31	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5306-02LDLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-VSL-07-121224L	Dilution Factor :	50
Date & Time Acquired :	2024-12-27 16:04:21	DataFile Name :	023SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	9483	9981	9163	9542	4.32	cps
Vanadium	51-2	109272	109493	108607	109124	0.42	cps
Yttrium	89-1	20089606	20409240	20223869	20240905	0.79	cps
Yttrium	89-2	5679013	5730104	5717535	5708884	0.47	cps
Zinc	66-2	25903	25809	25832	25848	0.19	cps
Zirconium	90-1	2454	2490	2510	2485	1.16	cps
Zirconium	91-1	503	487	483	491	2.18	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5306-02MSDLX10	Instrumnet Name :	P7
Client Sample ID :	OU4-VSL-07-121224	Dilution Factor :	10
Date & Time Acquired :	2024-12-27 16:07:36	DataFile Name :	024SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3781732	3807606	3774515	3787951	0.46	cps
Antimony	121-1	731216	758011	760278	749835	2.16	cps
Arsenic	75-2	42146	42059	42457	42221	0.50	cps
Barium	135-1	957574	988024	992538	979379	1.94	cps
Barium	137-1	1732960	1767582	1771412	1757318	1.21	cps
Beryllium	9-1	91091	94575	94236	93301	2.06	cps
Bismuth	209-1	9870819	9392705	9400843	9554789	2.86	cps
Bismuth	209-2	8138699	8096804	7897800	8044434	1.60	cps
Bromine	81-1	14854	14317	15175	14782	2.93	cps
Bromine	81-2	370	283	333	329	13.23	cps
Cadmium	108-1	14381	15085	15191	14886	2.96	cps
Cadmium	106-1	26284	26230	26197	26237	0.17	cps
Cadmium	111-1	204386	210927	209235	208182	1.63	cps
Calcium	43-1	1481907	1524262	1479755	1495308	1.68	cps
Calcium	44-1	23644956	24222842	24237025	24034941	1.41	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	318099	318885	316234	317739	0.43	cps
Cobalt	59-2	739677	736556	733144	736459	0.44	cps
Copper	63-2	2975619	2931518	2970705	2959281	0.82	cps
Dysprosium	156-1	77170	79466	81608	79415	2.79	cps
Dysprosium	156-2	66148	65160	66165	65824	0.87	cps
Erbium	164-1	100425	103775	104450	102883	2.10	cps
Erbium	164-2	75704	75680	76809	76064	0.85	cps
Gadolinium	160-1	82183	85787	85415	84461	2.35	cps
Gadolinium	160-2	66132	66115	64035	65427	1.84	cps
Holmium	165-1	16685481	16088028	15691327	16154945	3.10	cps
Holmium	165-2	11584299	11422626	11565999	11524308	0.77	cps
Indium	115-1	13527495	12852328	12716876	13032233	3.33	cps
Indium	115-2	4887389	4979845	4878611	4915282	1.14	cps
Iron	56-2	479923500	480171393	481491873	480528922	0.18	cps
Iron	57-2	11944603	11969245	11942978	11952275	0.12	cps
Iron	54-2	26462160	25971499	26153655	26195772	0.95	cps
Krypton	83-1	373	320	397	363	10.82	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5306-02MSDLX10	Instrumnet Name :	P7
Client Sample ID :	OU4-VSL-07-121224	Dilution Factor :	10
Date & Time Acquired :	2024-12-27 16:07:36	DataFile Name :	024SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2343953	2329842	2375585	2349793	1.00	cps
Lead	207-1	2061913	2098688	2098881	2086494	1.02	cps
Lead	208-1	9283677	9488598	9606851	9459709	1.73	cps
Lithium	6-1	2085319	1962858	1960008	2002729	3.57	cps
Magnesium	24-2	11048506	11063275	10980018	11030599	0.40	cps
Manganese	55-2	8411161	8313935	8440614	8388570	0.79	cps
Molybdenum	94-1	1714700	1777900	1781002	1757867	2.13	cps
Molybdenum	95-1	2230433	2247692	2310351	2262825	1.86	cps
Molybdenum	96-1	2441728	2548094	2541382	2510401	2.37	cps
Molybdenum	97-1	1319191	1382792	1376160	1359381	2.57	cps
Molybdenum	98-1	3493770	3609482	3609679	3570977	1.87	cps
Neodymium	150-1	86577	89663	89871	88703	2.08	cps
Neodymium	150-2	56124	56168	56141	56145	0.04	cps
Nickel	60-2	145134	144353	144613	144700	0.27	cps
Phosphorus	31-2	4174	4297	4361	4277	2.22	cps
Potassium	39-2	2059129	2061235	2077782	2066049	0.49	cps
Rhodium	103-1	12258393	11560471	11754466	11857776	3.04	cps
Rhodium	103-2	7050616	7052476	6990454	7031182	0.50	cps
Scandium	45-1	7463394	7049014	6973016	7161808	3.69	cps
Scandium	45-2	621909	622052	620924	621628	0.10	cps
Selenium	82-1	11665	12089	12433	12062	3.19	cps
Selenium	77-2	1517	1493	1427	1479	3.16	cps
Selenium	78-2	5208	5091	4971	5090	2.33	cps
Silicon	28-1	71180611	74111924	72970262	72754266	2.03	cps
Silver	107-1	1943	1843	1973	1920	3.55	cps
Silver	109-1	1140	1187	1193	1173	2.48	cps
Sodium	23-2	8095193	8054742	8027989	8059308	0.42	cps
Strontium	86-1	613260	625625	628235	622373	1.29	cps
Strontium	88-1	5463131	5621705	5613469	5566101	1.60	cps
Sulfur	34-1	5165630	5262615	5212289	5213511	0.93	cps
Terbium	159-1	17035377	16287432	16228773	16517194	2.72	cps
Terbium	159-2	11450177	11325103	11346715	11373998	0.59	cps
Thallium	203-1	692501	713934	713576	706670	1.74	cps
Thallium	205-1	1652619	1689284	1702326	1681409	1.53	cps
Tin	118-1	593443	617019	621920	610794	2.49	cps
Titanium	47-1	341484	352757	354476	349572	2.02	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5306-02MSDLX10	Instrumnet Name :	P7
Client Sample ID :	OU4-VSL-07-121224	Dilution Factor :	10
Date & Time Acquired :	2024-12-27 16:07:36	DataFile Name :	024SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	2263627	2327039	2325223	2305296	1.57	cps
Vanadium	51-2	781192	781614	783371	782059	0.15	cps
Yttrium	89-1	22350335	21296313	21096548	21581065	3.12	cps
Yttrium	89-2	5909181	5929576	5846158	5894972	0.74	cps
Zinc	66-2	597018	594190	594577	595262	0.26	cps
Zirconium	90-1	1259442	1307211	1306079	1290911	2.11	cps
Zirconium	91-1	277701	288811	290049	285520	2.38	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5306-02MSDDLX10	Instrumnet Name :	P7
Client Sample ID :	OU4-VSL-07-121224	Dilution Factor :	10
Date & Time Acquired :	2024-12-27 16:10:37	DataFile Name :	025SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3828782	3832214	3774188	3811728	0.85	cps
Antimony	121-1	749571	768738	767241	761850	1.40	cps
Arsenic	75-2	41782	41822	41615	41740	0.26	cps
Barium	135-1	987607	1006712	995759	996693	0.96	cps
Barium	137-1	1733943	1776910	1787248	1766034	1.60	cps
Beryllium	9-1	92329	94625	92526	93160	1.37	cps
Bismuth	209-1	9548879	9395182	9471707	9471923	0.81	cps
Bismuth	209-2	8135203	8141925	8091893	8123007	0.33	cps
Bromine	81-1	15044	14674	14938	14885	1.28	cps
Bromine	81-2	380	333	360	358	6.54	cps
Cadmium	108-1	14918	14981	15709	15203	2.89	cps
Cadmium	106-1	26548	26311	26945	26601	1.21	cps
Cadmium	111-1	208083	212857	210962	210634	1.14	cps
Calcium	43-1	1485885	1501616	1508818	1498773	0.78	cps
Calcium	44-1	23961637	24263866	24170959	24132154	0.64	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	320402	318140	316955	318499	0.55	cps
Cobalt	59-2	745984	739884	735185	740351	0.73	cps
Copper	63-2	3001650	2953873	2964920	2973481	0.84	cps
Dysprosium	156-1	78695	79909	80421	79675	1.11	cps
Dysprosium	156-2	66466	66316	66259	66347	0.16	cps
Erbium	164-1	103231	105430	105877	104846	1.35	cps
Erbium	164-2	75814	75593	76984	76130	0.98	cps
Gadolinium	160-1	83758	85921	86025	85235	1.50	cps
Gadolinium	160-2	65328	65944	65217	65497	0.60	cps
Holmium	165-1	15970829	15886284	15869928	15909014	0.34	cps
Holmium	165-2	11640630	11612608	11501299	11584846	0.64	cps
Indium	115-1	12711410	12894522	12563356	12723096	1.30	cps
Indium	115-2	4913649	4929448	4897998	4913698	0.32	cps
Iron	56-2	488029099	482609193	483490939	484709744	0.60	cps
Iron	57-2	12097682	12022607	11906606	12008965	0.80	cps
Iron	54-2	26385292	26214007	26260483	26286594	0.34	cps
Krypton	83-1	367	353	400	373	6.44	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5306-02MSDDLX10	Instrumnet Name :	P7
Client Sample ID :	OU4-VSL-07-121224	Dilution Factor :	10
Date & Time Acquired :	2024-12-27 16:10:37	DataFile Name :	025SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2316692	2405600	2352397	2358230	1.90	cps
Lead	207-1	2083337	2091955	2128252	2101181	1.13	cps
Lead	208-1	9451595	9559461	9634028	9548361	0.96	cps
Lithium	6-1	1939813	1955209	1950430	1948484	0.40	cps
Magnesium	24-2	11011913	10856941	11031927	10966927	0.87	cps
Manganese	55-2	8492741	8315947	8370023	8392904	1.08	cps
Molybdenum	94-1	1754875	1762769	1785334	1767659	0.89	cps
Molybdenum	95-1	2210995	2300550	2282373	2264639	2.09	cps
Molybdenum	96-1	2513202	2536327	2539823	2529784	0.57	cps
Molybdenum	97-1	1372204	1379303	1377332	1376280	0.27	cps
Molybdenum	98-1	3615447	3632407	3606425	3618093	0.36	cps
Neodymium	150-1	88398	89652	90930	89660	1.41	cps
Neodymium	150-2	57590	56238	55606	56478	1.80	cps
Nickel	60-2	145417	147123	145545	146028	0.65	cps
Phosphorus	31-2	4114	4301	4257	4224	2.31	cps
Potassium	39-2	2068456	2070170	2081048	2073225	0.33	cps
Rhodium	103-1	11743447	11708673	11624913	11692344	0.52	cps
Rhodium	103-2	7131463	7130849	7018561	7093625	0.92	cps
Scandium	45-1	7050667	7056624	6898349	7001880	1.28	cps
Scandium	45-2	624319	624083	621419	623274	0.26	cps
Selenium	82-1	12258	12345	12180	12261	0.67	cps
Selenium	77-2	1520	1467	1377	1455	4.98	cps
Selenium	78-2	5288	5011	5281	5193	3.04	cps
Silicon	28-1	73112989	73649642	74031897	73598176	0.63	cps
Silver	107-1	1957	1953	1937	1949	0.55	cps
Silver	109-1	1153	1003	1120	1092	7.21	cps
Sodium	23-2	8085621	7922532	8102348	8036834	1.24	cps
Strontium	86-1	624405	632747	636826	631326	1.00	cps
Strontium	88-1	5591074	5642875	5599562	5611170	0.50	cps
Sulfur	34-1	5159129	5170384	5277631	5202381	1.26	cps
Terbium	159-1	16395870	16270777	16042543	16236397	1.10	cps
Terbium	159-2	11485853	11341646	11503579	11443693	0.78	cps
Thallium	203-1	709839	722790	723027	718552	1.05	cps
Thallium	205-1	1678852	1710548	1715845	1701748	1.18	cps
Tin	118-1	609420	618486	629821	619242	1.65	cps
Titanium	47-1	348537	353986	353547	352023	0.86	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5306-02MSDDLX10	Instrumnet Name :	P7
Client Sample ID :	OU4-VSL-07-121224	Dilution Factor :	10
Date & Time Acquired :	2024-12-27 16:10:37	DataFile Name :	025SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	2254975	2364100	2332415	2317164	2.42	cps
Vanadium	51-2	788223	783243	779898	783788	0.53	cps
Yttrium	89-1	21461582	21234071	20984032	21226562	1.13	cps
Yttrium	89-2	5978172	5990268	5891233	5953224	0.91	cps
Zinc	66-2	601880	598081	594848	598270	0.59	cps
Zirconium	90-1	1294800	1316249	1309481	1306843	0.84	cps
Zirconium	91-1	287119	289612	293030	289921	1.02	cps

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5306-02ADLX10	Instrumnet Name :	P7
Client Sample ID :	OU4-VSL-07-121224A	Dilution Factor :	10
Date & Time Acquired :	2024-12-27 16:13:39	DataFile Name :	026SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3775631	3732231	3740715	3749526	0.61	cps
Antimony	121-1	750674	758079	761767	756840	0.75	cps
Arsenic	75-2	41521	41675	42143	41780	0.77	cps
Barium	135-1	986297	992924	999811	993011	0.68	cps
Barium	137-1	1778727	1791180	1804101	1791336	0.71	cps
Beryllium	9-1	93234	93455	93546	93412	0.17	cps
Bismuth	209-1	9884950	9587464	9442841	9638419	2.34	cps
Bismuth	209-2	8184589	8181759	8176868	8181072	0.05	cps
Bromine	81-1	14814	14671	14984	14823	1.06	cps
Bromine	81-2	377	313	367	352	9.67	cps
Cadmium	108-1	14584	14627	14961	14724	1.40	cps
Cadmium	106-1	26170	25963	26648	26260	1.34	cps
Cadmium	111-1	207880	210263	209937	209360	0.62	cps
Calcium	43-1	1496136	1494087	1511232	1500485	0.62	cps
Calcium	44-1	23979347	24071078	24105836	24052087	0.27	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	317940	318106	314941	316996	0.56	cps
Cobalt	59-2	739285	735044	737022	737117	0.29	cps
Copper	63-2	2946120	2922510	2909094	2925908	0.64	cps
Dysprosium	156-1	79134	79832	80851	79939	1.08	cps
Dysprosium	156-2	65579	66396	65659	65878	0.68	cps
Erbium	164-1	101992	103550	104910	103484	1.41	cps
Erbium	164-2	75472	76722	76253	76149	0.83	cps
Gadolinium	160-1	84281	85790	84540	84870	0.95	cps
Gadolinium	160-2	65060	64939	64819	64939	0.19	cps
Holmium	165-1	16480535	16235747	16027979	16248087	1.39	cps
Holmium	165-2	11614323	11713889	11733944	11687385	0.55	cps
Indium	115-1	13433359	12827830	12775685	13012291	2.81	cps
Indium	115-2	4969837	4954278	4946822	4956979	0.24	cps
Iron	56-2	484187953	480435766	478946833	481190184	0.56	cps
Iron	57-2	12075019	11793824	11982049	11950297	1.20	cps
Iron	54-2	26386310	26072190	26064993	26174498	0.70	cps
Krypton	83-1	387	323	393	368	10.50	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5306-02ADLX10	Instrumnet Name :	P7
Client Sample ID :	OU4-VSL-07-121224A	Dilution Factor :	10
Date & Time Acquired :	2024-12-27 16:13:39	DataFile Name :	026SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2307388	2407730	2319283	2344800	2.34	cps
Lead	207-1	2084018	2083396	2105783	2091066	0.61	cps
Lead	208-1	9478107	9590486	9466000	9511531	0.72	cps
Lithium	6-1	1984983	1968248	1975597	1976276	0.42	cps
Magnesium	24-2	10943998	10841637	10821988	10869208	0.60	cps
Manganese	55-2	8413049	8241580	8350956	8335195	1.04	cps
Molybdenum	94-1	1726899	1754731	1731706	1737779	0.86	cps
Molybdenum	95-1	2225074	2256526	2257460	2246353	0.82	cps
Molybdenum	96-1	2513596	2549342	2513531	2525489	0.82	cps
Molybdenum	97-1	1357740	1372291	1384767	1371599	0.99	cps
Molybdenum	98-1	3566638	3642826	3619013	3609492	1.08	cps
Neodymium	150-1	88921	89683	89250	89285	0.43	cps
Neodymium	150-2	56496	56278	56392	56389	0.19	cps
Nickel	60-2	143946	144875	142899	143907	0.69	cps
Phosphorus	31-2	4361	4301	4387	4350	1.02	cps
Potassium	39-2	2048656	2036711	2043284	2042883	0.29	cps
Rhodium	103-1	11910107	11840032	11750290	11833476	0.68	cps
Rhodium	103-2	7165729	7122691	7134937	7141119	0.31	cps
Scandium	45-1	7266469	7054872	7006509	7109283	1.94	cps
Scandium	45-2	623882	623572	623043	623499	0.07	cps
Selenium	82-1	12010	12524	12262	12265	2.09	cps
Selenium	77-2	1367	1577	1473	1472	7.13	cps
Selenium	78-2	4948	4961	4974	4961	0.27	cps
Silicon	28-1	72522522	73862982	73534634	73306713	0.95	cps
Silver	107-1	1940	1870	2100	1970	5.98	cps
Silver	109-1	1100	1180	1037	1106	6.50	cps
Sodium	23-2	8079540	8008478	7983606	8023875	0.62	cps
Strontium	86-1	623560	626730	629857	626715	0.50	cps
Strontium	88-1	5549220	5628449	5515620	5564430	1.04	cps
Sulfur	34-1	5254919	5212168	5217487	5228191	0.45	cps
Terbium	159-1	16914547	16650166	16197509	16587408	2.19	cps
Terbium	159-2	11578179	11648969	11466325	11564491	0.80	cps
Thallium	203-1	707187	716061	717889	713713	0.80	cps
Thallium	205-1	1678490	1707710	1718348	1701516	1.21	cps
Tin	118-1	610603	625124	622903	619543	1.26	cps
Titanium	47-1	346660	351367	353014	350347	0.94	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5306-02ADLX10	Instrumnet Name :	P7
Client Sample ID :	OU4-VSL-07-121224A	Dilution Factor :	10
Date & Time Acquired :	2024-12-27 16:13:39	DataFile Name :	026SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	2291165	2316696	2355180	2321013	1.39	cps
Vanadium	51-2	781435	774282	776216	777311	0.48	cps
Yttrium	89-1	21769496	21445656	21036834	21417328	1.71	cps
Yttrium	89-2	5921115	5955756	5956963	5944611	0.34	cps
Zinc	66-2	592224	593805	590252	592094	0.30	cps
Zirconium	90-1	1282337	1310456	1311866	1301553	1.28	cps
Zirconium	91-1	286885	290419	289599	288968	0.64	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5306-08DLX10	Instrumnet Name :	P7
Client Sample ID :	OU4-VSL-10-121224	Dilution Factor :	10
Date & Time Acquired :	2024-12-27 16:16:39	DataFile Name :	027SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3431505	3474415	3509631	3471850	1.13	cps
Antimony	121-1	890	773	753	806	9.16	cps
Arsenic	75-2	520	493	507	507	2.63	cps
Barium	135-1	63370	63752	62771	63298	0.78	cps
Barium	137-1	109632	110744	108920	109765	0.84	cps
Beryllium	9-1	770	537	627	644	18.26	cps
Bismuth	209-1	9600055	9429002	9455870	9494975	0.97	cps
Bismuth	209-2	8228648	7832388	8054036	8038357	2.47	cps
Bromine	81-1	15782	15108	15285	15391	2.27	cps
Bromine	81-2	360	360	320	347	6.66	cps
Cadmium	108-1	40	50	33	41	20.41	cps
Cadmium	106-1	5294	4968	5284	5182	3.59	cps
Cadmium	111-1	1419	1427	1400	1415	0.97	cps
Calcium	43-1	1284603	1312776	1306757	1301379	1.14	cps
Calcium	44-1	20546423	21003061	21092188	20880558	1.40	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	16299	16145	16556	16333	1.27	cps
Cobalt	59-2	278955	280116	276922	278665	0.58	cps
Copper	63-2	41320	40458	40625	40801	1.12	cps
Dysprosium	156-1	81954	83345	83231	82843	0.93	cps
Dysprosium	156-2	68724	69239	67498	68487	1.31	cps
Erbium	164-1	107724	110254	110942	109640	1.55	cps
Erbium	164-2	80333	80326	78713	79791	1.17	cps
Gadolinium	160-1	87498	89423	88209	88376	1.10	cps
Gadolinium	160-2	67468	68295	68804	68189	0.99	cps
Holmium	165-1	15978492	16086121	16100323	16054979	0.41	cps
Holmium	165-2	11762634	11211693	11506408	11493578	2.40	cps
Indium	115-1	13067058	13047718	12858888	12991221	0.89	cps
Indium	115-2	5029327	4717571	4880728	4875875	3.20	cps
Iron	56-2	499091006	494497339	494074286	495887544	0.56	cps
Iron	57-2	12391804	12255424	12295139	12314122	0.57	cps
Iron	54-2	26951716	27181782	26794276	26975925	0.72	cps
Krypton	83-1	433	347	433	404	12.37	cps

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5306-08DLX10	Instrumnet Name :	P7
Client Sample ID :	OU4-VSL-10-121224	Dilution Factor :	10
Date & Time Acquired :	2024-12-27 16:16:39	DataFile Name :	027SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3877	3761	3684	3774	2.58	cps
Lead	207-1	3080	3030	3114	3075	1.36	cps
Lead	208-1	15330	14533	14500	14788	3.18	cps
Lithium	6-1	1987318	1983226	1953344	1974629	0.94	cps
Magnesium	24-2	7950526	7895833	7970866	7939075	0.49	cps
Manganese	55-2	6692920	6665000	6663870	6673930	0.25	cps
Molybdenum	94-1	5698	5578	5618	5631	1.09	cps
Molybdenum	95-1	1107	977	807	963	15.62	cps
Molybdenum	96-1	7032	7269	6965	7088	2.25	cps
Molybdenum	97-1	620	583	553	586	5.70	cps
Molybdenum	98-1	1437	1327	1010	1258	17.61	cps
Neodymium	150-1	89697	93866	91873	91812	2.27	cps
Neodymium	150-2	57992	58424	57483	57966	0.81	cps
Nickel	60-2	17520	16893	17384	17266	1.91	cps
Phosphorus	31-2	4064	3684	3700	3816	5.63	cps
Potassium	39-2	285201	285444	285261	285302	0.04	cps
Rhodium	103-1	11944250	11718183	11967076	11876503	1.16	cps
Rhodium	103-2	7229312	6885079	7132078	7082156	2.51	cps
Scandium	45-1	7122363	7021967	7113744	7086025	0.79	cps
Scandium	45-2	636801	605636	621955	621464	2.51	cps
Selenium	82-1	190	241	192	208	13.81	cps
Selenium	77-2	147	187	200	178	15.61	cps
Selenium	78-2	610	593	597	600	1.47	cps
Silicon	28-1	83298050	84572575	84590627	84153751	0.88	cps
Silver	107-1	280	273	340	298	12.33	cps
Silver	109-1	207	227	180	204	11.45	cps
Sodium	23-2	4215515	4254037	4287346	4252299	0.85	cps
Strontium	86-1	409812	417728	415814	414451	1.00	cps
Strontium	88-1	3685685	3759563	3798313	3747854	1.53	cps
Sulfur	34-1	5110791	5085057	5184366	5126738	1.01	cps
Terbium	159-1	16860394	16299769	16477324	16545829	1.73	cps
Terbium	159-2	11711590	11079275	11440000	11410288	2.78	cps
Thallium	203-1	827	723	647	732	12.34	cps
Thallium	205-1	1717	1580	1413	1570	9.68	cps
Tin	118-1	3024	3157	2954	3045	3.39	cps
Titanium	47-1	3324	3377	3434	3378	1.63	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5306-08DLX10	Instrumnet Name :	P7
Client Sample ID :	OU4-VSL-10-121224	Dilution Factor :	10
Date & Time Acquired :	2024-12-27 16:16:39	DataFile Name :	027SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	46217	46284	47260	46587	1.25	cps
Vanadium	51-2	502634	502224	499427	501428	0.35	cps
Yttrium	89-1	21716986	21669580	21818418	21734995	0.35	cps
Yttrium	89-2	6120358	5798230	5964413	5961000	2.70	cps
Zinc	66-2	128829	128039	129398	128756	0.53	cps
Zirconium	90-1	12826	13610	12946	13127	3.22	cps
Zirconium	91-1	2927	2924	2950	2934	0.50	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5306-10DLX10	Instrumnet Name :	P7
Client Sample ID :	OU4-VSL-11-121224	Dilution Factor :	10
Date & Time Acquired :	2024-12-27 16:19:52	DataFile Name :	028SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3241465	3193761	3214910	3216712	0.74	cps
Antimony	121-1	400	343	353	366	8.27	cps
Arsenic	75-2	607	557	527	563	7.17	cps
Barium	135-1	64294	65312	64857	64821	0.79	cps
Barium	137-1	112678	113586	113159	113141	0.40	cps
Beryllium	9-1	483	570	583	546	9.95	cps
Bismuth	209-1	9536558	9515454	9389292	9480435	0.84	cps
Bismuth	209-2	8291501	8190854	8225423	8235926	0.62	cps
Bromine	81-1	15245	15432	15001	15226	1.42	cps
Bromine	81-2	300	353	370	341	10.72	cps
Cadmium	108-1	20	37	13	23	51.52	cps
Cadmium	106-1	5208	5001	5114	5108	2.03	cps
Cadmium	111-1	1437	1379	1410	1409	2.08	cps
Calcium	43-1	1610528	1598780	1642911	1617406	1.41	cps
Calcium	44-1	25472871	25673981	25981896	25709583	1.00	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	15121	14714	14584	14806	1.89	cps
Cobalt	59-2	263820	262529	262020	262790	0.35	cps
Copper	63-2	32883	32512	32138	32511	1.15	cps
Dysprosium	156-1	81944	82678	84589	83070	1.64	cps
Dysprosium	156-2	68861	69380	69256	69166	0.39	cps
Erbium	164-1	112334	111806	113013	112384	0.54	cps
Erbium	164-2	82310	83373	83112	82932	0.67	cps
Gadolinium	160-1	90184	89359	90342	89962	0.59	cps
Gadolinium	160-2	69411	69139	68554	69034	0.63	cps
Holmium	165-1	16109245	16092451	16147600	16116432	0.18	cps
Holmium	165-2	11742083	11888582	11675439	11768702	0.93	cps
Indium	115-1	13032635	12961335	12911686	12968552	0.47	cps
Indium	115-2	4990498	5003359	4927610	4973823	0.81	cps
Iron	56-2	494706993	497722339	493063139	495164157	0.48	cps
Iron	57-2	12265605	12207627	12150860	12208031	0.47	cps
Iron	54-2	26890028	26826117	26805853	26840666	0.16	cps
Krypton	83-1	410	433	383	409	6.12	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5306-10DLX10	Instrumnet Name :	P7
Client Sample ID :	OU4-VSL-11-121224	Dilution Factor :	10
Date & Time Acquired :	2024-12-27 16:19:52	DataFile Name :	028SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2760	2747	2894	2800	2.90	cps
Lead	207-1	2244	2347	2324	2305	2.35	cps
Lead	208-1	10882	10925	10922	10910	0.22	cps
Lithium	6-1	1945180	1967487	1946948	1953205	0.63	cps
Magnesium	24-2	8255291	8238647	8191736	8228558	0.40	cps
Manganese	55-2	7806738	7746857	7775567	7776388	0.39	cps
Molybdenum	94-1	4401	4254	4051	4235	4.15	cps
Molybdenum	95-1	637	647	510	598	12.75	cps
Molybdenum	96-1	6725	6588	6495	6603	1.75	cps
Molybdenum	97-1	423	357	407	396	8.77	cps
Molybdenum	98-1	750	650	620	673	10.11	cps
Neodymium	150-1	92008	92936	92246	92397	0.52	cps
Neodymium	150-2	57537	57724	57898	57720	0.31	cps
Nickel	60-2	16803	16723	16846	16791	0.37	cps
Phosphorus	31-2	2887	2830	3010	2909	3.16	cps
Potassium	39-2	279655	280341	279961	279986	0.12	cps
Rhodium	103-1	11941320	11837278	11959654	11912751	0.55	cps
Rhodium	103-2	7303562	7176607	7118129	7199433	1.32	cps
Scandium	45-1	7129118	7046491	7069278	7081629	0.60	cps
Scandium	45-2	637442	627789	627350	630860	0.90	cps
Selenium	82-1	169	220	227	205	15.36	cps
Selenium	77-2	150	150	163	154	4.99	cps
Selenium	78-2	637	657	560	618	8.26	cps
Silicon	28-1	77449106	77719772	76946141	77371673	0.51	cps
Silver	107-1	327	273	253	284	13.33	cps
Silver	109-1	223	197	257	226	13.33	cps
Sodium	23-2	3861925	3872939	3805564	3846809	0.94	cps
Strontium	86-1	469403	471414	470351	470389	0.21	cps
Strontium	88-1	4151510	4246423	4253922	4217285	1.35	cps
Sulfur	34-1	5340448	5372494	5423961	5378968	0.78	cps
Terbium	159-1	16598229	16385204	16659855	16547763	0.87	cps
Terbium	159-2	11549920	11561393	11514958	11542090	0.21	cps
Thallium	203-1	537	500	543	527	4.43	cps
Thallium	205-1	1353	1257	1247	1286	4.58	cps
Tin	118-1	2614	2620	2597	2610	0.46	cps
Titanium	47-1	2747	2664	2897	2769	4.27	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5306-10DLX10	Instrumnet Name :	P7
Client Sample ID :	OU4-VSL-11-121224	Dilution Factor :	10
Date & Time Acquired :	2024-12-27 16:19:52	DataFile Name :	028SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	49298	50833	50583	50238	1.64	cps
Vanadium	51-2	511360	510974	509851	510728	0.15	cps
Yttrium	89-1	21721356	21503740	21618163	21614419	0.50	cps
Yttrium	89-2	6104724	6060708	6041407	6068946	0.53	cps
Zinc	66-2	124332	124991	123001	124108	0.82	cps
Zirconium	90-1	9947	10391	10437	10258	2.64	cps
Zirconium	91-1	2290	2204	2394	2296	4.14	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	CCV012	Instrumnet Name :	P7
Client Sample ID :	CCV012	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 16:23:02	DataFile Name :	029CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	13477244	13639258	13492823	13536442	0.66	cps
Antimony	121-1	5971587	5958107	6103416	6011037	1.34	cps
Arsenic	75-2	294414	292871	295084	294123	0.39	cps
Barium	135-1	7809731	7795415	7791435	7798860	0.12	cps
Barium	137-1	13318566	13314955	13295092	13309538	0.09	cps
Beryllium	9-1	701548	699275	700306	700376	0.16	cps
Bismuth	209-1	8906370	8833549	9022793	8920904	1.07	cps
Bismuth	209-2	7496066	7426991	7374316	7432458	0.82	cps
Bromine	81-1	12959	12812	12192	12654	3.22	cps
Bromine	81-2	87	93	117	99	15.93	cps
Cadmium	108-1	107931	108286	107286	107834	0.47	cps
Cadmium	106-1	156071	155276	155071	155473	0.34	cps
Cadmium	111-1	1464333	1464676	1460022	1463011	0.18	cps
Calcium	43-1	7755794	7582216	7513852	7617287	1.64	cps
Calcium	44-1	124457961	121182492	120936125	122192193	1.61	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2287988	2290773	2295919	2291560	0.18	cps
Cobalt	59-2	3520498	3547222	3557261	3541660	0.54	cps
Copper	63-2	24313415	24290920	24519575	24374637	0.52	cps
Dysprosium	156-1	387	320	347	351	9.56	cps
Dysprosium	156-2	497	560	593	550	8.93	cps
Erbium	164-1	300	337	387	341	12.75	cps
Erbium	164-2	203	243	257	234	11.84	cps
Gadolinium	160-1	343	297	357	332	9.48	cps
Gadolinium	160-2	797	693	780	757	7.33	cps
Holmium	165-1	15698037	15489793	15292720	15493516	1.31	cps
Holmium	165-2	11347194	11002935	11045636	11131922	1.69	cps
Indium	115-1	11910389	11665525	11642643	11739519	1.26	cps
Indium	115-2	4439901	4387199	4415313	4414138	0.60	cps
Iron	56-2	537223752	539811592	536777365	537937570	0.30	cps
Iron	57-2	13444590	13594097	13478755	13505814	0.58	cps
Iron	54-2	29173711	29334285	29148840	29218945	0.34	cps
Krypton	83-1	177	193	180	183	4.81	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	CCV012	Instrumnet Name :	P7
Client Sample ID :	CCV012	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 16:23:02	DataFile Name :	029CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	23015270	23469292	23340616	23275059	1.01	cps
Lead	207-1	20430601	20575376	20692825	20566267	0.64	cps
Lead	208-1	92919083	93789352	94113816	93607417	0.66	cps
Lithium	6-1	1858311	1853715	1845572	1852533	0.35	cps
Magnesium	24-2	104081072	104483058	104562135	104375422	0.25	cps
Manganese	55-2	18739691	18972418	18715253	18809120	0.75	cps
Molybdenum	94-1	20689576	20364924	20413994	20489498	0.85	cps
Molybdenum	95-1	30101695	29444797	29762453	29769648	1.10	cps
Molybdenum	96-1	33253272	32474868	32377100	32701746	1.47	cps
Molybdenum	97-1	18781843	18591251	18311048	18561381	1.28	cps
Molybdenum	98-1	48090596	48244258	47516954	47950603	0.80	cps
Neodymium	150-1	490	503	470	488	3.44	cps
Neodymium	150-2	173	147	173	164	9.36	cps
Nickel	60-2	834252	838412	832425	835030	0.37	cps
Phosphorus	31-2	120973	120990	121961	121308	0.47	cps
Potassium	39-2	68077352	68617587	67822334	68172425	0.60	cps
Rhodium	103-1	10540264	10446854	10290002	10425707	1.21	cps
Rhodium	103-2	6275039	6214421	6184507	6224656	0.74	cps
Scandium	45-1	6613123	6456138	6330222	6466494	2.19	cps
Scandium	45-2	562669	569743	563278	565230	0.69	cps
Selenium	82-1	86827	86907	85555	86429	0.88	cps
Selenium	77-2	9070	9403	8973	9148	2.47	cps
Selenium	78-2	31560	30989	31190	31246	0.93	cps
Silicon	28-1	7771276	7641262	7629437	7680658	1.02	cps
Silver	107-1	7212577	7272108	7141604	7208763	0.91	cps
Silver	109-1	6972596	6892208	6988083	6950962	0.74	cps
Sodium	23-2	168418927	170778121	169410214	169535754	0.70	cps
Strontium	86-1	1886600	1913633	1896561	1898931	0.72	cps
Strontium	88-1	16591548	16411788	16364448	16455928	0.73	cps
Sulfur	34-1	558202	543266	543427	548298	1.56	cps
Terbium	159-1	15905752	15610916	15915592	15810753	1.10	cps
Terbium	159-2	11006870	10987024	10798521	10930805	1.05	cps
Thallium	203-1	5863528	5935242	5924456	5907742	0.65	cps
Thallium	205-1	13786274	13945909	14081319	13937834	1.06	cps
Tin	118-1	4998200	4920778	4960731	4959903	0.78	cps
Titanium	47-1	7133871	7043012	7053383	7076755	0.70	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	CCV012	Instrumnet Name :	P7
Client Sample ID :	CCV012	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 16:23:02	DataFile Name :	029CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	18545533	18707538	18597589	18616887	0.44	cps
Vanadium	51-2	2029155	2047632	2064525	2047104	0.86	cps
Yttrium	89-1	18694530	18235433	18134866	18354943	1.63	cps
Yttrium	89-2	5115568	5070737	5034286	5073530	0.80	cps
Zinc	66-2	4196073	4214137	4232287	4214166	0.43	cps
Zirconium	90-1	10258955	10035247	10041418	10111873	1.26	cps
Zirconium	91-1	2276184	2235396	2258200	2256593	0.91	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	CCB012	Instrumnet Name :	P7
Client Sample ID :	CCB012	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 16:25:49	DataFile Name :	030CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	393	323	944	553	61.39	cps
Antimony	121-1	3390	2994	2384	2923	17.35	cps
Arsenic	75-2	23	20	10	18	39.03	cps
Barium	135-1	1317	793	417	842	53.67	cps
Barium	137-1	2324	1347	840	1503	50.16	cps
Beryllium	9-1	330	237	233	267	20.58	cps
Bismuth	209-1	10083976	9891194	10007887	9994352	0.97	cps
Bismuth	209-2	8253498	8352105	8429401	8345001	1.06	cps
Bromine	81-1	13346	13696	13716	13586	1.53	cps
Bromine	81-2	187	153	147	162	13.21	cps
Cadmium	108-1	23	10	17	17	39.99	cps
Cadmium	106-1	4617	4337	4431	4462	3.20	cps
Cadmium	111-1	1219	1080	1013	1104	9.52	cps
Calcium	43-1	1537	1067	723	1109	36.82	cps
Calcium	44-1	27983	19923	13530	20479	35.37	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1983	2077	1990	2017	2.58	cps
Cobalt	59-2	210	187	217	204	7.70	cps
Copper	63-2	1843	1787	1630	1753	6.30	cps
Dysprosium	156-1	17	17	10	14	26.66	cps
Dysprosium	156-2	10	13	40	21	77.90	cps
Erbium	164-1	87	83	70	80	11.02	cps
Erbium	164-2	30	43	90	54	57.87	cps
Gadolinium	160-1	60	40	50	50	20.00	cps
Gadolinium	160-2	627	647	740	671	9.01	cps
Holmium	165-1	16232926	15876771	15920807	16010168	1.21	cps
Holmium	165-2	11606069	11492606	11607174	11568616	0.57	cps
Indium	115-1	13047142	12805113	12945386	12932547	0.94	cps
Indium	115-2	4875734	4881354	4869099	4875395	0.13	cps
Iron	56-2	41223	37564	55942	44910	21.66	cps
Iron	57-2	1507	1363	1967	1612	19.56	cps
Iron	54-2	3670	3424	4178	3757	10.24	cps
Krypton	83-1	227	227	233	229	1.68	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	CCB012	Instrumnet Name :	P7
Client Sample ID :	CCB012	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 16:25:49	DataFile Name :	030CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4561	3197	1953	3237	40.29	cps
Lead	207-1	3871	2857	1550	2759	42.16	cps
Lead	208-1	17661	12496	7451	12536	40.73	cps
Lithium	6-1	2042346	1992247	2052931	2029174	1.60	cps
Magnesium	24-2	3247	2957	8945	5050	66.87	cps
Manganese	55-2	950	930	1260	1047	17.68	cps
Molybdenum	94-1	4477	3180	1923	3194	39.98	cps
Molybdenum	95-1	6105	3807	2547	4153	43.44	cps
Molybdenum	96-1	6311	4134	2517	4321	44.07	cps
Molybdenum	97-1	3550	2457	1483	2497	41.42	cps
Molybdenum	98-1	9560	6375	3711	6548	44.72	cps
Neodymium	150-1	13	7	27	16	65.47	cps
Neodymium	150-2	3	13	17	11	62.48	cps
Nickel	60-2	660	657	573	630	7.79	cps
Phosphorus	31-2	143	127	160	143	11.63	cps
Potassium	39-2	57508	56655	57790	57318	1.03	cps
Rhodium	103-1	11752273	11629036	11670285	11683865	0.54	cps
Rhodium	103-2	7122358	7009526	7123831	7085238	0.93	cps
Scandium	45-1	6823753	6669445	6716672	6736623	1.17	cps
Scandium	45-2	595031	593234	596406	594890	0.27	cps
Selenium	82-1	150	60	72	94	52.22	cps
Selenium	77-2	0	0	7	2	173.21	cps
Selenium	78-2	353	380	387	373	4.73	cps
Silicon	28-1	568199	554290	553318	558602	1.49	cps
Silver	107-1	1760	1277	1007	1348	28.32	cps
Silver	109-1	1827	1167	900	1298	36.76	cps
Sodium	23-2	43628	41870	47878	44459	6.95	cps
Strontium	86-1	683	660	443	596	22.22	cps
Strontium	88-1	3027	1747	1067	1947	51.13	cps
Sulfur	34-1	161510	163982	166537	164010	1.53	cps
Terbium	159-1	16420355	16507480	16370446	16432760	0.42	cps
Terbium	159-2	11329216	11292844	11424452	11348837	0.60	cps
Thallium	203-1	1543	1307	1050	1300	18.98	cps
Thallium	205-1	3624	2824	2444	2964	20.33	cps
Tin	118-1	2417	1990	1737	2048	16.78	cps
Titanium	47-1	1440	893	553	962	46.49	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	CCB012	Instrumnet Name :	P7
Client Sample ID :	CCB012	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 16:25:49	DataFile Name :	030CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	3044	1954	1010	2002	50.82	cps
Vanadium	51-2	80	40	93	71	39.03	cps
Yttrium	89-1	19481428	18868130	19130674	19160077	1.61	cps
Yttrium	89-2	5292232	5272605	5384811	5316549	1.13	cps
Zinc	66-2	253	287	350	297	16.55	cps
Zirconium	90-1	3004	2510	1817	2444	24.40	cps
Zirconium	91-1	630	450	400	493	24.52	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	PB165821BL	Instrumnet Name :	P7
Client Sample ID :	PBS821	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 16:29:07	DataFile Name :	031CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	213	260	257	243	10.70	cps
Antimony	121-1	600	670	587	619	7.23	cps
Arsenic	75-2	7	3	7	6	34.70	cps
Barium	135-1	100	90	50	80	33.07	cps
Barium	137-1	143	157	137	146	7.00	cps
Beryllium	9-1	157	150	110	139	18.17	cps
Bismuth	209-1	9811235	9645155	9699578	9718656	0.87	cps
Bismuth	209-2	8348068	8222467	8291105	8287213	0.76	cps
Bromine	81-1	13766	13339	13289	13465	1.95	cps
Bromine	81-2	120	147	97	121	20.66	cps
Cadmium	108-1	7	20	13	13	49.99	cps
Cadmium	106-1	4531	4727	4624	4627	2.13	cps
Cadmium	111-1	945	975	959	960	1.56	cps
Calcium	43-1	253	330	297	293	13.11	cps
Calcium	44-1	7472	7375	7178	7342	2.04	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1423	1430	1337	1397	3.73	cps
Cobalt	59-2	147	117	137	133	11.46	cps
Copper	63-2	1307	1190	1230	1242	4.77	cps
Dysprosium	156-1	3	7	7	6	34.70	cps
Dysprosium	156-2	0	10	7	6	91.64	cps
Erbium	164-1	97	73	107	92	18.55	cps
Erbium	164-2	50	47	37	44	15.61	cps
Gadolinium	160-1	67	80	47	64	26.03	cps
Gadolinium	160-2	600	603	610	604	0.84	cps
Holmium	165-1	15778064	15719769	15481882	15659905	1.00	cps
Holmium	165-2	11444472	11392372	11282741	11373195	0.73	cps
Indium	115-1	13061998	12674472	12880438	12872303	1.51	cps
Indium	115-2	4836244	4819883	4829840	4828656	0.17	cps
Iron	56-2	22320	21936	21756	22004	1.31	cps
Iron	57-2	1050	1080	1070	1067	1.43	cps
Iron	54-2	2707	2650	2644	2667	1.31	cps
Krypton	83-1	183	217	270	223	19.57	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	PB165821BL	Instrumnet Name :	P7
Client Sample ID :	PBS821	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 16:29:07	DataFile Name :	031CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	690	680	720	697	2.99	cps
Lead	207-1	617	617	600	611	1.57	cps
Lead	208-1	2830	2737	2707	2758	2.33	cps
Lithium	6-1	2033796	2022150	2056188	2037378	0.85	cps
Magnesium	24-2	1300	1227	1133	1220	6.85	cps
Manganese	55-2	763	880	863	836	7.55	cps
Molybdenum	94-1	643	657	613	638	3.48	cps
Molybdenum	95-1	453	443	440	446	1.56	cps
Molybdenum	96-1	530	517	580	542	6.16	cps
Molybdenum	97-1	297	333	307	312	6.07	cps
Molybdenum	98-1	730	707	723	720	1.67	cps
Neodymium	150-1	0	13	13	9	86.60	cps
Neodymium	150-2	3	10	3	6	69.34	cps
Nickel	60-2	477	463	483	474	2.15	cps
Phosphorus	31-2	183	143	143	157	14.74	cps
Potassium	39-2	54377	52751	53467	53531	1.52	cps
Rhodium	103-1	11650950	11737079	11727569	11705199	0.40	cps
Rhodium	103-2	7033299	7076811	7071547	7060552	0.34	cps
Scandium	45-1	6811897	6754468	6735619	6767328	0.59	cps
Scandium	45-2	593774	595353	600063	596397	0.55	cps
Selenium	82-1	152	92	-16	76	111.69	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	423	393	440	419	5.65	cps
Silicon	28-1	564951	558046	564950	562649	0.71	cps
Silver	107-1	293	237	270	267	10.68	cps
Silver	109-1	293	233	237	254	13.25	cps
Sodium	23-2	26249	26326	25648	26074	1.42	cps
Strontium	86-1	340	373	360	358	4.69	cps
Strontium	88-1	440	320	400	387	15.80	cps
Sulfur	34-1	169205	171365	173155	171242	1.16	cps
Terbium	159-1	16416149	16020442	16124241	16186944	1.27	cps
Terbium	159-2	11227763	11201081	11364760	11264535	0.78	cps
Thallium	203-1	627	563	557	582	6.64	cps
Thallium	205-1	1320	1437	1370	1376	4.26	cps
Tin	118-1	1620	1657	1627	1635	1.19	cps
Titanium	47-1	113	160	97	123	26.62	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	PB165821BL	Instrumnet Name :	P7
Client Sample ID :	PBS821	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 16:29:07	DataFile Name :	031CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	103	97	123	108	12.88	cps
Vanadium	51-2	30	37	57	41	33.76	cps
Yttrium	89-1	18982130	19100385	19173140	19085218	0.51	cps
Yttrium	89-2	5352859	5218123	5339769	5303584	1.40	cps
Zinc	66-2	330	343	377	350	6.87	cps
Zirconium	90-1	783	927	947	886	10.06	cps
Zirconium	91-1	190	193	157	180	11.26	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	PB165821BS	Instrumnet Name :	P7
Client Sample ID :	LCS821	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 16:32:28	DataFile Name :	032LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	11298	11281	11444	11341	0.79	cps
Antimony	121-1	49297	49281	49471	49350	0.21	cps
Arsenic	75-2	1400	1353	1383	1379	1.72	cps
Barium	135-1	60859	60997	60688	60848	0.25	cps
Barium	137-1	105645	106877	106394	106305	0.58	cps
Beryllium	9-1	3297	3187	3370	3285	2.81	cps
Bismuth	209-1	9826198	9713814	9536308	9692107	1.51	cps
Bismuth	209-2	8196161	8213081	8252083	8220442	0.35	cps
Bromine	81-1	13366	13723	13036	13375	2.57	cps
Bromine	81-2	110	150	117	126	17.07	cps
Cadmium	108-1	380	450	497	442	13.28	cps
Cadmium	106-1	5498	5258	5228	5328	2.78	cps
Cadmium	111-1	7738	7560	7524	7607	1.51	cps
Calcium	43-1	32171	32231	33089	32497	1.58	cps
Calcium	44-1	531551	531855	528373	530593	0.36	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	19516	20731	20207	20151	3.02	cps
Cobalt	59-2	15735	15622	15541	15633	0.62	cps
Copper	63-2	23251	23872	23245	23456	1.54	cps
Dysprosium	156-1	10	10	20	13	43.30	cps
Dysprosium	156-2	13	10	7	10	33.30	cps
Erbium	164-1	77	73	93	81	13.21	cps
Erbium	164-2	53	70	47	57	21.21	cps
Gadolinium	160-1	87	83	63	78	16.23	cps
Gadolinium	160-2	640	677	647	654	2.98	cps
Holmium	165-1	15855536	15851514	15477021	15728023	1.38	cps
Holmium	165-2	11380459	11328931	11431700	11380363	0.45	cps
Indium	115-1	12862259	12908273	12698577	12823036	0.86	cps
Indium	115-2	4846893	4933499	4864464	4881619	0.94	cps
Iron	56-2	1932069	1923631	1925536	1927079	0.23	cps
Iron	57-2	48327	48073	48882	48428	0.85	cps
Iron	54-2	107168	108131	107443	107581	0.46	cps
Krypton	83-1	207	163	153	174	16.25	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	PB165821BS	Instrumnet Name :	P7
Client Sample ID :	LCS821	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 16:32:28	DataFile Name :	032LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	19387	19150	18740	19092	1.72	cps
Lead	207-1	16861	16964	17034	16953	0.52	cps
Lead	208-1	77353	77410	76752	77172	0.47	cps
Lithium	6-1	2028107	2045699	2011403	2028403	0.85	cps
Magnesium	24-2	426019	424433	425449	425300	0.19	cps
Manganese	55-2	8889	8916	9059	8955	1.02	cps
Molybdenum	94-1	48547	49222	48972	48914	0.70	cps
Molybdenum	95-1	59062	59417	58904	59128	0.44	cps
Molybdenum	96-1	66715	66179	65928	66274	0.61	cps
Molybdenum	97-1	37057	38039	37257	37451	1.39	cps
Molybdenum	98-1	96328	97124	95412	96288	0.89	cps
Neodymium	150-1	13	17	10	13	25.01	cps
Neodymium	150-2	0	3	3	2	86.60	cps
Nickel	60-2	4627	4341	4381	4450	3.49	cps
Phosphorus	31-2	753	850	763	789	6.74	cps
Potassium	39-2	649548	645828	648464	647947	0.30	cps
Rhodium	103-1	11792749	11726674	11642072	11720498	0.64	cps
Rhodium	103-2	7130025	7164536	7032352	7108971	0.96	cps
Scandium	45-1	6973787	6880692	6820277	6891585	1.12	cps
Scandium	45-2	608020	608533	610212	608922	0.19	cps
Selenium	82-1	1948	2134	2122	2068	5.01	cps
Selenium	77-2	253	260	303	272	9.97	cps
Selenium	78-2	1203	1117	1177	1166	3.81	cps
Silicon	28-1	689703	690873	691133	690570	0.11	cps
Silver	107-1	30198	30940	31274	30804	1.79	cps
Silver	109-1	28685	29527	29463	29225	1.60	cps
Sodium	23-2	705305	696880	699605	700597	0.61	cps
Strontium	86-1	7889	7782	7659	7777	1.48	cps
Strontium	88-1	66021	67397	66945	66787	1.05	cps
Sulfur	34-1	177751	178337	177720	177936	0.20	cps
Terbium	159-1	16328704	16180441	16154848	16221331	0.58	cps
Terbium	159-2	11288282	11323507	11240569	11284120	0.37	cps
Thallium	203-1	23510	23734	23611	23618	0.47	cps
Thallium	205-1	56567	55897	56105	56190	0.61	cps
Tin	118-1	102313	104045	103297	103219	0.84	cps
Titanium	47-1	3640	3514	3627	3594	1.94	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	PB165821BS	Instrumnet Name :	P7
Client Sample ID :	LCS821	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 16:32:28	DataFile Name :	032LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	67902	68981	67614	68166	1.06	cps
Vanadium	51-2	42857	43148	43486	43164	0.73	cps
Yttrium	89-1	19353066	19186280	18907369	19148905	1.18	cps
Yttrium	89-2	5351180	5454111	5332987	5379426	1.21	cps
Zinc	66-2	10120	10370	10510	10334	1.91	cps
Zirconium	90-1	40903	40840	41883	41209	1.42	cps
Zirconium	91-1	9220	9080	9190	9163	0.80	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5255-02A	Instrumnet Name :	P7
Client Sample ID :	MJNL72A	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 16:35:44	DataFile Name :	033SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1918177	1904450	1889211	1903946	0.76	cps
Antimony	121-1	52449	53586	53884	53306	1.42	cps
Arsenic	75-2	53258	54058	52646	53321	1.33	cps
Barium	135-1	73334	75552	74781	74556	1.51	cps
Barium	137-1	129931	130734	129973	130213	0.35	cps
Beryllium	9-1	350	373	337	353	5.25	cps
Bismuth	209-1	10242875	9900331	9863285	10002164	2.09	cps
Bismuth	209-2	8600538	8437892	8472836	8503755	1.01	cps
Bromine	81-1	34440	38213	38463	37039	6.09	cps
Bromine	81-2	5734	5471	5491	5566	2.64	cps
Cadmium	108-1	173	127	117	139	21.78	cps
Cadmium	106-1	5411	5068	4744	5074	6.57	cps
Cadmium	111-1	2946	2815	2873	2878	2.29	cps
Calcium	43-1	145497	148316	149491	147768	1.39	cps
Calcium	44-1	2288444	2337033	2386094	2337190	2.09	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	120305	119391	120120	119939	0.40	cps
Cobalt	59-2	52107	52649	52026	52261	0.65	cps
Copper	63-2	2020841	1977708	2012541	2003696	1.14	cps
Dysprosium	156-1	23460	23680	23880	23673	0.89	cps
Dysprosium	156-2	20555	20155	20008	20239	1.40	cps
Erbium	164-1	21356	21907	21760	21675	1.32	cps
Erbium	164-2	15722	15852	15966	15847	0.77	cps
Gadolinium	160-1	23513	23977	24091	23860	1.28	cps
Gadolinium	160-2	18839	18576	19333	18916	2.03	cps
Holmium	165-1	16911378	16172629	16379464	16487824	2.31	cps
Holmium	165-2	12015352	11717187	11946915	11893151	1.31	cps
Indium	115-1	13659306	12957694	13195316	13270772	2.69	cps
Indium	115-2	5149178	5021435	4941551	5037388	2.08	cps
Iron	56-2	57067919	56761221	57541729	57123623	0.69	cps
Iron	57-2	1423281	1429515	1416870	1423222	0.44	cps
Iron	54-2	3104106	3120156	3111910	3112057	0.26	cps
Krypton	83-1	247	240	190	226	13.73	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5255-02A	Instrumnet Name :	P7
Client Sample ID :	MJNL72A	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 16:35:44	DataFile Name :	033SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	454161	457397	462568	458042	0.93	cps
Lead	207-1	395534	403281	406764	401860	1.43	cps
Lead	208-1	1799526	1836517	1841992	1826011	1.27	cps
Lithium	6-1	2181488	2070727	2048270	2100162	3.40	cps
Magnesium	24-2	2007711	2035116	2018277	2020368	0.68	cps
Manganese	55-2	492923	499272	496520	496238	0.64	cps
Molybdenum	94-1	30422	31978	31477	31292	2.54	cps
Molybdenum	95-1	16192	16556	16503	16417	1.20	cps
Molybdenum	96-1	22047	22217	23008	22424	2.29	cps
Molybdenum	97-1	10234	10517	10484	10412	1.49	cps
Molybdenum	98-1	26875	27165	26938	26993	0.57	cps
Neodymium	150-1	37440	38539	37770	37916	1.49	cps
Neodymium	150-2	23256	23970	23066	23431	2.04	cps
Nickel	60-2	37784	37911	38045	37913	0.34	cps
Phosphorus	31-2	11991	12302	12335	12209	1.55	cps
Potassium	39-2	793500	788441	796524	792822	0.52	cps
Rhodium	103-1	12625961	11890808	11998218	12171662	3.26	cps
Rhodium	103-2	7419938	7428395	7369479	7405937	0.43	cps
Scandium	45-1	7425290	6974025	7052574	7150629	3.37	cps
Scandium	45-2	646496	643983	641701	644060	0.37	cps
Selenium	82-1	202	233	258	231	12.04	cps
Selenium	77-2	70	77	60	69	12.18	cps
Selenium	78-2	513	533	500	516	3.25	cps
Silicon	28-1	14881338	15166416	15468693	15172149	1.94	cps
Silver	107-1	12559	11488	11555	11867	5.06	cps
Silver	109-1	11912	10998	10794	11234	5.30	cps
Sodium	23-2	5239580	5168664	5219506	5209250	0.70	cps
Strontium	86-1	132207	135301	138012	135174	2.15	cps
Strontium	88-1	1146629	1180019	1186065	1170905	1.81	cps
Sulfur	34-1	319061	316587	317904	317851	0.39	cps
Terbium	159-1	17271460	16501434	16510879	16761257	2.64	cps
Terbium	159-2	11676890	11583324	11587887	11616034	0.45	cps
Thallium	203-1	5411	5464	5291	5389	1.65	cps
Thallium	205-1	12392	12406	12109	12302	1.36	cps
Tin	118-1	31986	31899	32657	32180	1.29	cps
Titanium	47-1	667307	683736	686835	679293	1.54	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5255-02A	Instrumnet Name :	P7
Client Sample ID :	MJNL72A	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 16:35:44	DataFile Name :	033SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	83068	84701	84396	84055	1.03	cps
Vanadium	51-2	110873	111263	111387	111174	0.24	cps
Yttrium	89-1	21160599	20058730	20119570	20446300	3.03	cps
Yttrium	89-2	5778505	5722735	5676324	5725855	0.89	cps
Zinc	66-2	121415	123724	123122	122754	0.98	cps
Zirconium	90-1	59393	59985	61585	60321	1.88	cps
Zirconium	91-1	12876	13641	13913	13477	3.99	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5256-01ARE	Instrumnet Name :	P7
Client Sample ID :	MJNL92A	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 16:41:23	DataFile Name :	034SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3093002	3081427	3076224	3083551	0.28	cps
Antimony	121-1	983300	995986	993767	991018	0.68	cps
Arsenic	75-2	282872	283395	282135	282801	0.22	cps
Barium	135-1	614838	623404	626956	621733	1.00	cps
Barium	137-1	1077323	1083853	1098539	1086572	1.00	cps
Beryllium	9-1	453	463	487	468	3.66	cps
Bismuth	209-1	10159919	10259712	10109658	10176430	0.75	cps
Bismuth	209-2	8703453	8596979	8596854	8632429	0.71	cps
Bromine	81-1	63285	67165	69020	66490	4.40	cps
Bromine	81-2	12058	11872	12342	12091	1.96	cps
Cadmium	108-1	723	760	690	724	4.83	cps
Cadmium	106-1	5441	5414	5621	5492	2.05	cps
Cadmium	111-1	9390	9297	8744	9144	3.82	cps
Calcium	43-1	231065	233148	233066	232426	0.51	cps
Calcium	44-1	3670502	3636813	3652901	3653405	0.46	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	179487	178988	178694	179057	0.22	cps
Cobalt	59-2	293231	291716	291240	292062	0.36	cps
Copper	63-2	33623300	33547245	33330978	33500507	0.45	cps
Dysprosium	156-1	22678	23203	23143	23008	1.25	cps
Dysprosium	156-2	19911	19687	19777	19792	0.57	cps
Erbium	164-1	22091	21901	21767	21920	0.74	cps
Erbium	164-2	15812	15669	15375	15619	1.43	cps
Gadolinium	160-1	23373	23079	23159	23204	0.65	cps
Gadolinium	160-2	17892	18172	17912	17992	0.87	cps
Holmium	165-1	16356816	16484576	16633764	16491719	0.84	cps
Holmium	165-2	12109008	12231869	11931532	12090803	1.25	cps
Indium	115-1	13560643	13578952	13844170	13661255	1.16	cps
Indium	115-2	5292807	5205785	5233292	5243962	0.85	cps
Iron	56-2	186226304	187309704	186187151	186574386	0.34	cps
Iron	57-2	4627326	4565944	4570835	4588035	0.74	cps
Iron	54-2	10225616	10167152	10092410	10161726	0.66	cps
Krypton	83-1	267	190	220	226	17.13	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5256-01ARE	Instrumnet Name :	P7
Client Sample ID :	MJNL92A	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 16:41:23	DataFile Name :	034SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	5489358	5511500	5452050	5484302	0.55	cps
Lead	207-1	4756573	4800060	4799767	4785467	0.52	cps
Lead	208-1	21726191	21996387	21759859	21827479	0.67	cps
Lithium	6-1	2052599	2104583	2100405	2085862	1.38	cps
Magnesium	24-2	2967432	2892543	2954406	2938127	1.36	cps
Manganese	55-2	1833870	1817615	1814888	1822125	0.56	cps
Molybdenum	94-1	77517	78274	78693	78162	0.76	cps
Molybdenum	95-1	68861	69685	69591	69379	0.65	cps
Molybdenum	96-1	81790	83660	83446	82966	1.23	cps
Molybdenum	97-1	43374	43983	43515	43624	0.73	cps
Molybdenum	98-1	110924	111290	111985	111399	0.48	cps
Neodymium	150-1	35655	35722	35508	35628	0.31	cps
Neodymium	150-2	22067	22425	22228	22240	0.80	cps
Nickel	60-2	61084	61392	61114	61196	0.28	cps
Phosphorus	31-2	11861	11358	12118	11779	3.28	cps
Potassium	39-2	1449640	1439544	1449745	1446310	0.41	cps
Rhodium	103-1	12385752	12356136	12466179	12402689	0.46	cps
Rhodium	103-2	7519804	7467047	7548754	7511868	0.55	cps
Scandium	45-1	7501190	7510831	7681368	7564463	1.34	cps
Scandium	45-2	677801	666992	667438	670744	0.91	cps
Selenium	82-1	655	681	661	665	2.05	cps
Selenium	77-2	100	167	133	133	25.00	cps
Selenium	78-2	613	643	703	653	7.01	cps
Silicon	28-1	35695203	36108789	36028064	35944019	0.61	cps
Silver	107-1	162431	164510	164514	163818	0.73	cps
Silver	109-1	152102	154240	156683	154342	1.49	cps
Sodium	23-2	11145239	11105789	11070233	11107087	0.34	cps
Strontium	86-1	288534	290083	289084	289233	0.27	cps
Strontium	88-1	2613746	2602977	2584608	2600444	0.57	cps
Sulfur	34-1	821635	816390	816670	818232	0.36	cps
Terbium	159-1	16846199	17066997	17097641	17003612	0.81	cps
Terbium	159-2	11983181	11915809	11744525	11881172	1.04	cps
Thallium	203-1	10164	10181	9997	10114	1.00	cps
Thallium	205-1	24395	24335	24813	24514	1.06	cps
Tin	118-1	510094	512344	513135	511857	0.31	cps
Titanium	47-1	740742	750976	748545	746754	0.72	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5256-01ARE	Instrumnet Name :	P7
Client Sample ID :	MJNL92A	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 16:41:23	DataFile Name :	034SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	51730	52108	52105	51981	0.42	cps
Vanadium	51-2	174094	174239	174843	174392	0.23	cps
Yttrium	89-1	21346882	21206521	21265470	21272958	0.33	cps
Yttrium	89-2	5931613	5790144	5827965	5849907	1.25	cps
Zinc	66-2	1783741	1777758	1768741	1776747	0.42	cps
Zirconium	90-1	101635	102985	102226	102282	0.66	cps
Zirconium	91-1	22160	23713	22668	22847	3.46	cps

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5259-04A	Instrumnet Name :	P7
Client Sample ID :	ME28X0A	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 16:44:31	DataFile Name :	035SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4740344	4724969	4692599	4719304	0.52	cps
Antimony	121-1	53984	54125	54185	54098	0.19	cps
Arsenic	75-2	36912	36488	36488	36630	0.67	cps
Barium	135-1	552603	555803	556447	554951	0.37	cps
Barium	137-1	959397	975363	967750	967504	0.83	cps
Beryllium	9-1	1690	1880	1700	1757	6.09	cps
Bismuth	209-1	10052466	10077254	9855169	9994963	1.22	cps
Bismuth	209-2	8399141	8377080	8336205	8370808	0.38	cps
Bromine	81-1	19032	18021	18231	18428	2.90	cps
Bromine	81-2	910	867	827	868	4.80	cps
Cadmium	108-1	663	750	763	726	7.48	cps
Cadmium	106-1	6298	6088	5731	6039	4.75	cps
Cadmium	111-1	10669	10512	10688	10623	0.91	cps
Calcium	43-1	2439153	2427293	2350959	2405802	1.99	cps
Calcium	44-1	38639811	38640216	38307174	38529067	0.50	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	188887	190152	187962	189000	0.58	cps
Cobalt	59-2	166843	165352	165198	165798	0.55	cps
Copper	63-2	277165	273639	274369	275058	0.68	cps
Dysprosium	156-1	68972	70841	70505	70106	1.42	cps
Dysprosium	156-2	60265	59425	59395	59695	0.83	cps
Erbium	164-1	59563	60567	60182	60104	0.84	cps
Erbium	164-2	43390	43173	42809	43124	0.68	cps
Gadolinium	160-1	69729	70221	69036	69662	0.86	cps
Gadolinium	160-2	52873	51896	52792	52520	1.03	cps
Holmium	165-1	16945177	16735922	16860937	16847345	0.62	cps
Holmium	165-2	11823177	11914241	11888068	11875162	0.39	cps
Indium	115-1	13801008	13319425	13110617	13410350	2.64	cps
Indium	115-2	5002658	4939772	4983725	4975385	0.65	cps
Iron	56-2	203448317	203422470	202177710	203016166	0.36	cps
Iron	57-2	5063731	5085736	5017131	5055533	0.69	cps
Iron	54-2	11137407	10953405	11062407	11051073	0.84	cps
Krypton	83-1	303	267	320	297	9.20	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5259-04A	Instrumnet Name :	P7
Client Sample ID :	ME28X0A	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 16:44:31	DataFile Name :	035SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	520336	530737	527472	526181	1.01	cps
Lead	207-1	424595	433650	431168	429804	1.09	cps
Lead	208-1	1994153	2031745	2016496	2014131	0.94	cps
Lithium	6-1	2154103	2085437	2082716	2107419	1.92	cps
Magnesium	24-2	15841232	15873895	15690411	15801846	0.62	cps
Manganese	55-2	4314399	4265198	4291818	4290472	0.57	cps
Molybdenum	94-1	31577	32008	32496	32027	1.43	cps
Molybdenum	95-1	18145	18602	18218	18322	1.34	cps
Molybdenum	96-1	25319	26017	25255	25530	1.65	cps
Molybdenum	97-1	11314	11728	11268	11437	2.22	cps
Molybdenum	98-1	29323	30014	29453	29597	1.24	cps
Neodymium	150-1	108490	110549	110143	109727	0.99	cps
Neodymium	150-2	67346	66757	65993	66699	1.02	cps
Nickel	60-2	110319	110624	108959	109967	0.81	cps
Phosphorus	31-2	14033	14093	13616	13914	1.87	cps
Potassium	39-2	1549020	1566811	1543566	1553132	0.78	cps
Rhodium	103-1	12439774	12103839	12112226	12218613	1.57	cps
Rhodium	103-2	7352583	7303036	7270771	7308797	0.56	cps
Scandium	45-1	7509444	7271878	7198683	7326669	2.22	cps
Scandium	45-2	632690	638280	632928	634633	0.50	cps
Selenium	82-1	2687	2724	2503	2638	4.50	cps
Selenium	77-2	383	507	430	440	14.15	cps
Selenium	78-2	1530	1447	1340	1439	6.62	cps
Silicon	28-1	30238123	30495895	30160165	30298061	0.58	cps
Silver	107-1	4624	4251	4127	4334	5.97	cps
Silver	109-1	4304	3704	3784	3931	8.29	cps
Sodium	23-2	203756	205033	204709	204499	0.32	cps
Strontium	86-1	324052	327203	327277	326177	0.56	cps
Strontium	88-1	2896740	2941329	2920846	2919638	0.76	cps
Sulfur	34-1	229252	233531	231616	231466	0.93	cps
Terbium	159-1	17414409	17110147	17044108	17189555	1.15	cps
Terbium	159-2	11808573	11721411	11702051	11744012	0.48	cps
Thallium	203-1	31496	31593	31443	31511	0.24	cps
Thallium	205-1	73634	74610	74847	74364	0.86	cps
Tin	118-1	19760	19644	20121	19842	1.25	cps
Titanium	47-1	373505	376055	373111	374224	0.43	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5259-04A	Instrumnet Name :	P7
Client Sample ID :	ME28X0A	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 16:44:31	DataFile Name :	035SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	52720	53996	53189	53302	1.21	cps
Vanadium	51-2	203009	202796	202148	202651	0.22	cps
Yttrium	89-1	21542457	21146351	20771992	21153600	1.82	cps
Yttrium	89-2	5808696	5801605	5723420	5777907	0.82	cps
Zinc	66-2	164468	163248	163928	163881	0.37	cps
Zirconium	90-1	58800	60326	59319	59482	1.30	cps
Zirconium	91-1	13400	13420	13069	13296	1.48	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5271-06A	Instrumnet Name :	P7
Client Sample ID :	MJNKC7A	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 16:47:44	DataFile Name :	036SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4709731	4697052	4599684	4668822	1.29	cps
Antimony	121-1	5419442	5517900	5505476	5480939	0.98	cps
Arsenic	75-2	1018270	1006491	1012867	1012543	0.58	cps
Barium	135-1	627503	633710	638747	633320	0.89	cps
Barium	137-1	1098691	1117702	1113716	1110037	0.90	cps
Beryllium	9-1	867	1017	877	920	9.12	cps
Bismuth	209-1	10217797	10298027	10183145	10232990	0.58	cps
Bismuth	209-2	8530693	8573628	8664785	8589702	0.80	cps
Bromine	81-1	52329	57699	59372	56467	6.52	cps
Bromine	81-2	9220	9627	9186	9344	2.62	cps
Cadmium	108-1	1827	1923	1827	1859	3.00	cps
Cadmium	106-1	7669	7645	7542	7619	0.89	cps
Cadmium	111-1	21254	19907	19769	20310	4.04	cps
Calcium	43-1	666818	672672	679044	672845	0.91	cps
Calcium	44-1	10372199	10517585	10615761	10501848	1.17	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	223298	223373	221522	222731	0.47	cps
Cobalt	59-2	2978454	2947878	2869383	2931905	1.92	cps
Copper	63-2	3658639	3630830	3608510	3632660	0.69	cps
Dysprosium	156-1	30470	30263	30530	30421	0.46	cps
Dysprosium	156-2	26195	26659	26221	26358	0.99	cps
Erbium	164-1	29849	29588	29595	29677	0.50	cps
Erbium	164-2	22141	21810	21266	21739	2.03	cps
Gadolinium	160-1	31021	30847	30750	30873	0.44	cps
Gadolinium	160-2	24004	24027	23229	23754	1.91	cps
Holmium	165-1	16889399	16702219	16806303	16799307	0.56	cps
Holmium	165-2	12066746	12190292	12121170	12126069	0.51	cps
Indium	115-1	14411360	14663609	14575063	14550011	0.88	cps
Indium	115-2	5538364	5518819	5523708	5526964	0.18	cps
Iron	56-2	407049634	404563127	399682354	403765038	0.93	cps
Iron	57-2	10175075	10043218	9989779	10069357	0.95	cps
Iron	54-2	22158450	21939032	21805507	21967663	0.81	cps
Krypton	83-1	243	277	250	257	6.87	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5271-06A	Instrumnet Name :	P7
Client Sample ID :	MJNKC7A	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 16:47:44	DataFile Name :	036SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	11888160	11744150	11730176	11787495	0.74	cps
Lead	207-1	10387612	10192087	10268673	10282791	0.96	cps
Lead	208-1	47262650	46737684	46894944	46965093	0.57	cps
Lithium	6-1	2066120	2097812	2098980	2087637	0.89	cps
Magnesium	24-2	4729028	4625575	4683821	4679475	1.11	cps
Manganese	55-2	2968566	2935894	2940522	2948327	0.60	cps
Molybdenum	94-1	128141	129109	129234	128828	0.46	cps
Molybdenum	95-1	128286	131736	132705	130909	1.77	cps
Molybdenum	96-1	154075	155024	154617	154572	0.31	cps
Molybdenum	97-1	80956	82504	82256	81905	1.02	cps
Molybdenum	98-1	208937	212510	210413	210620	0.85	cps
Neodymium	150-1	46667	46680	45904	46417	0.96	cps
Neodymium	150-2	29601	28723	29444	29256	1.60	cps
Nickel	60-2	100856	99863	99226	99981	0.82	cps
Phosphorus	31-2	21745	22323	21342	21803	2.26	cps
Potassium	39-2	2601655	2646640	2584325	2610873	1.23	cps
Rhodium	103-1	12509831	12678157	12716809	12634932	0.87	cps
Rhodium	103-2	7597774	7712326	7722379	7677493	0.90	cps
Scandium	45-1	7464291	7616258	7493272	7524607	1.07	cps
Scandium	45-2	681836	684572	677583	681330	0.52	cps
Selenium	82-1	2883	2531	2591	2669	7.05	cps
Selenium	77-2	400	363	277	347	18.27	cps
Selenium	78-2	1300	1383	1247	1310	5.26	cps
Silicon	28-1	40992350	41520729	42488908	41667329	1.82	cps
Silver	107-1	27790	27987	28154	27977	0.65	cps
Silver	109-1	25713	27039	27179	26643	3.04	cps
Sodium	23-2	10070527	9977157	9813421	9953702	1.31	cps
Strontium	86-1	623924	634460	632579	630321	0.89	cps
Strontium	88-1	5618484	5660942	5749849	5676425	1.18	cps
Sulfur	34-1	274531	274073	271906	273504	0.51	cps
Terbium	159-1	17443645	17244515	17320111	17336090	0.58	cps
Terbium	159-2	12050215	11997658	12133960	12060611	0.57	cps
Thallium	203-1	31202	30157	29943	30434	2.21	cps
Thallium	205-1	74006	71567	70763	72112	2.34	cps
Tin	118-1	1587075	1591600	1563977	1580884	0.94	cps
Titanium	47-1	899753	913919	930350	914674	1.67	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5271-06A	Instrumnet Name :	P7
Client Sample ID :	MJNKC7A	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 16:47:44	DataFile Name :	036SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	64254	64348	64707	64436	0.37	cps
Vanadium	51-2	250529	249380	247869	249259	0.54	cps
Yttrium	89-1	21218081	21685475	21345480	21416345	1.13	cps
Yttrium	89-2	6033256	6006423	5947279	5995653	0.73	cps
Zinc	66-2	5321214	5275606	5315107	5303976	0.47	cps
Zirconium	90-1	146182	150279	150745	149069	1.68	cps
Zirconium	91-1	33575	35292	35389	34752	2.94	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5266-04	Instrumnet Name :	P7
Client Sample ID :	ME28Y9	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 16:50:47	DataFile Name :	037SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3591039	3528505	3456262	3525269	1.91	cps
Antimony	121-1	11365	11792	11695	11617	1.93	cps
Arsenic	75-2	9967	9597	9823	9796	1.91	cps
Barium	135-1	594077	595752	593653	594494	0.19	cps
Barium	137-1	1036698	1040111	1041906	1039571	0.25	cps
Beryllium	9-1	1490	1473	1500	1488	0.91	cps
Bismuth	209-1	10312346	10036649	9792774	10047257	2.59	cps
Bismuth	209-2	8361159	8328026	8314415	8334533	0.29	cps
Bromine	81-1	19583	19633	18745	19321	2.58	cps
Bromine	81-2	1117	1143	1073	1111	3.18	cps
Cadmium	108-1	390	400	320	370	11.78	cps
Cadmium	106-1	5691	5411	5578	5560	2.53	cps
Cadmium	111-1	4939	5189	5194	5107	2.86	cps
Calcium	43-1	2448406	2458915	2444205	2450509	0.31	cps
Calcium	44-1	39190819	39387359	38914484	39164220	0.61	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	227946	228773	226671	227797	0.46	cps
Cobalt	59-2	147836	148826	144864	147175	1.40	cps
Copper	63-2	247186	249855	247056	248032	0.64	cps
Dysprosium	156-1	56721	57256	57621	57199	0.79	cps
Dysprosium	156-2	47389	48520	48433	48114	1.31	cps
Erbium	164-1	49109	48962	49062	49045	0.15	cps
Erbium	164-2	35121	35461	35622	35401	0.72	cps
Gadolinium	160-1	55851	56316	56610	56259	0.68	cps
Gadolinium	160-2	42932	43056	41826	42605	1.59	cps
Holmium	165-1	17239491	16812727	16219581	16757266	3.06	cps
Holmium	165-2	11997261	11874591	11789131	11886994	0.88	cps
Indium	115-1	13980349	13377274	13024579	13460734	3.59	cps
Indium	115-2	4872213	5072301	4969454	4971323	2.01	cps
Iron	56-2	203928790	203624297	200840824	202797970	0.84	cps
Iron	57-2	5105563	5086012	4956225	5049266	1.61	cps
Iron	54-2	11043299	11050190	10915982	11003157	0.69	cps
Krypton	83-1	253	257	297	269	8.97	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5266-04	Instrumnet Name :	P7
Client Sample ID :	ME28Y9	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 16:50:47	DataFile Name :	037SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	824401	829085	835222	829569	0.65	cps
Lead	207-1	678826	687491	683609	683309	0.64	cps
Lead	208-1	3158325	3202776	3192824	3184642	0.73	cps
Lithium	6-1	2171771	2129407	2059017	2120065	2.69	cps
Magnesium	24-2	15758743	15663357	15432559	15618220	1.07	cps
Manganese	55-2	6792329	6828189	6670324	6763614	1.22	cps
Molybdenum	94-1	42207	43103	42214	42508	1.21	cps
Molybdenum	95-1	23953	23793	23970	23905	0.41	cps
Molybdenum	96-1	32232	32914	32039	32395	1.42	cps
Molybdenum	97-1	14300	14544	14974	14606	2.34	cps
Molybdenum	98-1	38210	37856	38073	38046	0.47	cps
Neodymium	150-1	87848	88831	88901	88527	0.66	cps
Neodymium	150-2	54890	54184	54257	54443	0.71	cps
Nickel	60-2	111625	110107	109083	110272	1.16	cps
Phosphorus	31-2	13469	13152	13009	13210	1.78	cps
Potassium	39-2	1276304	1268186	1267116	1270535	0.40	cps
Rhodium	103-1	12807183	12200249	12055520	12354317	3.23	cps
Rhodium	103-2	7290298	7303931	7277876	7290702	0.18	cps
Scandium	45-1	7683456	7324109	7105770	7371112	3.96	cps
Scandium	45-2	636499	629251	627661	631137	0.75	cps
Selenium	82-1	378	369	245	331	22.50	cps
Selenium	77-2	157	207	120	161	27.00	cps
Selenium	78-2	527	543	497	522	4.53	cps
Silicon	28-1	29448520	29594825	29415951	29486432	0.32	cps
Silver	107-1	5378	5301	5228	5302	1.42	cps
Silver	109-1	4871	4954	5091	4972	2.23	cps
Sodium	23-2	181890	179691	178852	180144	0.87	cps
Strontium	86-1	309252	315548	312391	312397	1.01	cps
Strontium	88-1	2806675	2859097	2776883	2814219	1.48	cps
Sulfur	34-1	238740	238069	239258	238689	0.25	cps
Terbium	159-1	17681512	17206848	16612387	17166916	3.12	cps
Terbium	159-2	11787600	11694710	11776352	11752887	0.43	cps
Thallium	203-1	5928	5595	6041	5855	3.97	cps
Thallium	205-1	13483	13894	14067	13815	2.17	cps
Tin	118-1	27102	19346	19590	22013	20.03	cps
Titanium	47-1	333980	333684	336365	334676	0.44	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5266-04	Instrumnet Name :	P7
Client Sample ID :	ME28Y9	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 16:50:47	DataFile Name :	037SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	43267	44474	45100	44280	2.10	cps
Vanadium	51-2	174432	173960	172165	173519	0.69	cps
Yttrium	89-1	22039928	21224715	20389302	21217982	3.89	cps
Yttrium	89-2	5752747	5724301	5699798	5725615	0.46	cps
Zinc	66-2	208856	208943	204838	207546	1.13	cps
Zirconium	90-1	78653	79976	79434	79354	0.84	cps
Zirconium	91-1	17574	17260	17717	17517	1.33	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5266-19	Instrumnet Name :	P7
Client Sample ID :	ME28Y9D	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 16:53:59	DataFile Name :	038SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3424083	3409947	3419057	3417696	0.21	cps
Antimony	121-1	10274	10521	10761	10518	2.32	cps
Arsenic	75-2	9750	9780	9850	9793	0.52	cps
Barium	135-1	579553	581412	580893	580619	0.17	cps
Barium	137-1	1014055	1016674	1013740	1014823	0.16	cps
Beryllium	9-1	1563	1503	1493	1520	2.49	cps
Bismuth	209-1	10068554	9986409	9947491	10000818	0.62	cps
Bismuth	209-2	8410462	8307609	8379993	8366021	0.63	cps
Bromine	81-1	17794	18041	18525	18120	2.05	cps
Bromine	81-2	937	907	913	919	1.71	cps
Cadmium	108-1	413	413	383	403	4.29	cps
Cadmium	106-1	5755	5424	5451	5543	3.31	cps
Cadmium	111-1	5031	4622	4870	4841	4.26	cps
Calcium	43-1	2372126	2382379	2391645	2382050	0.41	cps
Calcium	44-1	37770258	38145581	37777808	37897882	0.57	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	224005	220156	222087	222083	0.87	cps
Cobalt	59-2	144911	142357	142256	143175	1.05	cps
Copper	63-2	241803	239361	238043	239736	0.80	cps
Dysprosium	156-1	55780	57209	56259	56416	1.29	cps
Dysprosium	156-2	47119	47343	45885	46782	1.68	cps
Erbium	164-1	47915	48370	48019	48101	0.50	cps
Erbium	164-2	34549	34526	34442	34506	0.16	cps
Gadolinium	160-1	54870	56664	55292	55609	1.69	cps
Gadolinium	160-2	41725	41391	41050	41389	0.82	cps
Holmium	165-1	16727458	16423022	16631133	16593871	0.94	cps
Holmium	165-2	11928386	11793821	11939843	11887350	0.68	cps
Indium	115-1	13387007	13304110	13264033	13318383	0.47	cps
Indium	115-2	4995291	4920031	4960784	4958702	0.76	cps
Iron	56-2	198811784	196246570	196056270	197038208	0.78	cps
Iron	57-2	4889598	4915881	4836144	4880541	0.83	cps
Iron	54-2	10851448	10592979	10656889	10700438	1.26	cps
Krypton	83-1	237	270	277	261	8.21	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5266-19	Instrumnet Name :	P7
Client Sample ID :	ME28Y9D	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 16:53:59	DataFile Name :	038SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	812087	822741	821934	818921	0.72	cps
Lead	207-1	666309	676941	665536	669595	0.95	cps
Lead	208-1	3111499	3144346	3134822	3130222	0.54	cps
Lithium	6-1	2108697	2145693	2095873	2116754	1.22	cps
Magnesium	24-2	15322339	15102185	15108418	15177647	0.83	cps
Manganese	55-2	6608292	6509254	6562898	6560148	0.76	cps
Molybdenum	94-1	41004	41719	41866	41530	1.11	cps
Molybdenum	95-1	22624	22935	22921	22827	0.77	cps
Molybdenum	96-1	30826	31768	34399	32331	5.73	cps
Molybdenum	97-1	13837	14631	14084	14184	2.87	cps
Molybdenum	98-1	37318	37161	36773	37084	0.76	cps
Neodymium	150-1	87211	87855	87573	87546	0.37	cps
Neodymium	150-2	53772	52762	52387	52974	1.35	cps
Nickel	60-2	107337	106404	107337	107026	0.50	cps
Phosphorus	31-2	13386	13252	13396	13345	0.60	cps
Potassium	39-2	1250839	1250560	1262276	1254558	0.53	cps
Rhodium	103-1	12314046	12125490	12114805	12184780	0.92	cps
Rhodium	103-2	7397411	7338319	7216820	7317516	1.26	cps
Scandium	45-1	7186575	7152493	7110998	7150022	0.53	cps
Scandium	45-2	627708	619923	623612	623748	0.62	cps
Selenium	82-1	403	323	320	349	13.52	cps
Selenium	77-2	167	163	150	160	5.51	cps
Selenium	78-2	583	530	627	580	8.35	cps
Silicon	28-1	28705183	28883829	28941959	28843657	0.43	cps
Silver	107-1	4684	4818	5154	4885	4.96	cps
Silver	109-1	4491	4521	4768	4593	3.31	cps
Sodium	23-2	172857	172022	173094	172658	0.33	cps
Strontium	86-1	301718	308163	304640	304840	1.06	cps
Strontium	88-1	2726273	2781362	2718473	2742036	1.25	cps
Sulfur	34-1	238019	240270	238936	239075	0.47	cps
Terbium	159-1	17041967	17150818	17018008	17070264	0.41	cps
Terbium	159-2	11726555	11727494	11632934	11695661	0.46	cps
Thallium	203-1	5324	5474	5451	5417	1.49	cps
Thallium	205-1	12896	13133	13293	13108	1.52	cps
Tin	118-1	18459	18368	18495	18441	0.35	cps
Titanium	47-1	324770	328344	323738	325617	0.74	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5266-19	Instrumnet Name :	P7
Client Sample ID :	ME28Y9D	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 16:53:59	DataFile Name :	038SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	43003	43802	43608	43471	0.96	cps
Vanadium	51-2	168589	167417	168930	168312	0.47	cps
Yttrium	89-1	21280859	20758689	20765063	20934871	1.43	cps
Yttrium	89-2	5751346	5615045	5670846	5679079	1.21	cps
Zinc	66-2	203602	198179	201341	201041	1.35	cps
Zirconium	90-1	76478	78063	77737	77426	1.08	cps
Zirconium	91-1	16997	17167	16910	17024	0.77	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5266-04LX5	Instrumnet Name :	P7
Client Sample ID :	ME28Y9L	Dilution Factor :	5
Date & Time Acquired :	2024-12-27 16:57:12	DataFile Name :	039SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	711209	709375	704409	708331	0.50	cps
Antimony	121-1	2327	2140	2187	2218	4.38	cps
Arsenic	75-2	2147	2270	2060	2159	4.89	cps
Barium	135-1	120267	120467	120716	120483	0.19	cps
Barium	137-1	210332	211431	211527	211097	0.31	cps
Beryllium	9-1	323	347	450	373	18.06	cps
Bismuth	209-1	10004620	9749839	9924597	9893019	1.32	cps
Bismuth	209-2	8413667	8247151	8338827	8333215	1.00	cps
Bromine	81-1	15869	15498	15875	15747	1.37	cps
Bromine	81-2	327	323	280	310	8.40	cps
Cadmium	108-1	80	87	67	78	13.09	cps
Cadmium	106-1	5001	4754	5078	4944	3.42	cps
Cadmium	111-1	1909	1818	1834	1854	2.62	cps
Calcium	43-1	510401	507873	508135	508803	0.27	cps
Calcium	44-1	7980378	7978865	7939462	7966235	0.29	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	48962	48531	48668	48721	0.45	cps
Cobalt	59-2	31035	31730	30421	31062	2.11	cps
Copper	63-2	53957	53820	52937	53571	1.03	cps
Dysprosium	156-1	11745	12092	11528	11788	2.41	cps
Dysprosium	156-2	9954	10027	9947	9976	0.45	cps
Erbium	164-1	9890	9984	10167	10014	1.41	cps
Erbium	164-2	7529	7169	7109	7269	3.13	cps
Gadolinium	160-1	11385	11451	11421	11419	0.29	cps
Gadolinium	160-2	9313	9000	9270	9194	1.85	cps
Holmium	165-1	16133226	16264952	16212757	16203645	0.41	cps
Holmium	165-2	11789245	11599912	11808499	11732552	0.98	cps
Indium	115-1	13342651	13353550	13347391	13347864	0.04	cps
Indium	115-2	5046640	4976166	4977754	5000187	0.80	cps
Iron	56-2	42758688	42383251	42028927	42390289	0.86	cps
Iron	57-2	1066950	1061296	1063149	1063798	0.27	cps
Iron	54-2	2318172	2321063	2303081	2314105	0.42	cps
Krypton	83-1	293	240	250	261	10.86	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5266-04LX5	Instrumnet Name :	P7
Client Sample ID :	ME28Y9L	Dilution Factor :	5
Date & Time Acquired :	2024-12-27 16:57:12	DataFile Name :	039SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	168531	169088	169719	169112	0.35	cps
Lead	207-1	139249	138972	137444	138555	0.70	cps
Lead	208-1	648685	647247	646473	647468	0.17	cps
Lithium	6-1	1983826	2044210	2025450	2017828	1.53	cps
Magnesium	24-2	3230165	3274396	3262984	3255848	0.71	cps
Manganese	55-2	1424027	1431802	1398431	1418087	1.23	cps
Molybdenum	94-1	8906	8396	8566	8623	3.01	cps
Molybdenum	95-1	4744	5151	5034	4976	4.21	cps
Molybdenum	96-1	6965	6722	6838	6842	1.78	cps
Molybdenum	97-1	3167	3090	3220	3159	2.07	cps
Molybdenum	98-1	7942	7719	7892	7851	1.49	cps
Neodymium	150-1	18112	18005	18138	18085	0.39	cps
Neodymium	150-2	11008	11441	11158	11202	1.97	cps
Nickel	60-2	23732	23382	23081	23398	1.39	cps
Phosphorus	31-2	2854	2940	3037	2944	3.12	cps
Potassium	39-2	321376	321802	319177	320785	0.44	cps
Rhodium	103-1	12348908	12280359	12209407	12279558	0.57	cps
Rhodium	103-2	7481627	7351548	7453905	7429027	0.92	cps
Scandium	45-1	7130786	7182876	7095597	7136419	0.62	cps
Scandium	45-2	637798	634093	638731	636874	0.39	cps
Selenium	82-1	151	172	150	157	7.99	cps
Selenium	77-2	27	43	23	31	34.44	cps
Selenium	78-2	397	470	427	431	8.55	cps
Silicon	28-1	6645642	6666546	6767843	6693344	0.98	cps
Silver	107-1	1163	1240	1257	1220	4.08	cps
Silver	109-1	1067	1073	1017	1052	2.94	cps
Sodium	23-2	66395	64973	65890	65753	1.10	cps
Strontium	86-1	63456	64413	63071	63647	1.09	cps
Strontium	88-1	553428	558517	556253	556066	0.46	cps
Sulfur	34-1	205715	204918	204844	205159	0.24	cps
Terbium	159-1	16754567	16616481	16842199	16737749	0.68	cps
Terbium	159-2	11668403	11596600	11513212	11592738	0.67	cps
Thallium	203-1	1597	1493	1500	1530	3.78	cps
Thallium	205-1	3704	3654	3591	3649	1.56	cps
Tin	118-1	4958	5214	5014	5062	2.66	cps
Titanium	47-1	68497	68303	69341	68714	0.80	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5266-04LX5	Instrumnet Name :	P7
Client Sample ID :	ME28Y9L	Dilution Factor :	5
Date & Time Acquired :	2024-12-27 16:57:12	DataFile Name :	039SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8993	8906	9117	9005	1.17	cps
Vanadium	51-2	36193	35622	36070	35962	0.84	cps
Yttrium	89-1	20400257	20334463	20378348	20371022	0.16	cps
Yttrium	89-2	5729175	5610871	5544750	5628265	1.66	cps
Zinc	66-2	44265	43420	43921	43869	0.97	cps
Zirconium	90-1	15952	16005	15742	15900	0.88	cps
Zirconium	91-1	3590	3630	3550	3590	1.11	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5266-20	Instrumnet Name :	P7
Client Sample ID :	ME28Y9S	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:00:25	DataFile Name :	040SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3604004	3577244	3537725	3572991	0.93	cps
Antimony	121-1	9907	10137	10100	10048	1.23	cps
Arsenic	75-2	152733	152858	152447	152679	0.14	cps
Barium	135-1	1995232	2006840	1986223	1996099	0.52	cps
Barium	137-1	3420804	3393645	3382056	3398835	0.59	cps
Beryllium	9-1	17263	17433	17437	17378	0.57	cps
Bismuth	209-1	10065994	10095526	9950113	10037211	0.77	cps
Bismuth	209-2	8320929	8214247	8438538	8324571	1.35	cps
Bromine	81-1	17687	17761	18428	17959	2.27	cps
Bromine	81-2	957	940	973	957	1.74	cps
Cadmium	108-1	22327	22898	23349	22858	2.24	cps
Cadmium	106-1	36790	36589	36790	36723	0.32	cps
Cadmium	111-1	328459	334494	334810	332588	1.08	cps
Calcium	43-1	2394225	2402006	2390295	2395509	0.25	cps
Calcium	44-1	38263974	38533828	37562670	38120157	1.32	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	430959	431654	428113	430242	0.44	cps
Cobalt	59-2	952129	948152	956913	952398	0.46	cps
Copper	63-2	515873	520288	519505	518555	0.45	cps
Dysprosium	156-1	56045	56165	55864	56024	0.27	cps
Dysprosium	156-2	47604	47028	47279	47304	0.61	cps
Erbium	164-1	48320	48427	48233	48327	0.20	cps
Erbium	164-2	34486	34279	34158	34308	0.48	cps
Gadolinium	160-1	55242	55359	54773	55125	0.56	cps
Gadolinium	160-2	42083	42173	41321	41859	1.12	cps
Holmium	165-1	16694460	16640531	16456154	16597048	0.75	cps
Holmium	165-2	11898571	11815056	11892243	11868624	0.39	cps
Indium	115-1	13446039	13398860	13322102	13389000	0.47	cps
Indium	115-2	4938490	4951790	4934129	4941470	0.19	cps
Iron	56-2	200205964	198744657	198384257	199111626	0.48	cps
Iron	57-2	4944801	5012316	4940431	4965849	0.81	cps
Iron	54-2	10973000	10813020	10743101	10843040	1.09	cps
Krypton	83-1	257	320	270	282	11.83	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5266-20	Instrumnet Name :	P7
Client Sample ID :	ME28Y9S	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:00:25	DataFile Name :	040SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2589884	2681619	2643930	2638478	1.75	cps
Lead	207-1	2182006	2183407	2203009	2189474	0.54	cps
Lead	208-1	10145794	10261448	10210336	10205859	0.57	cps
Lithium	6-1	2104444	2123943	2109908	2112765	0.48	cps
Magnesium	24-2	15337720	15211676	15143462	15230953	0.65	cps
Manganese	55-2	7053673	7032981	7083714	7056790	0.36	cps
Molybdenum	94-1	48447	47677	49256	48460	1.63	cps
Molybdenum	95-1	36215	36556	36555	36442	0.54	cps
Molybdenum	96-1	46193	45764	45119	45692	1.18	cps
Molybdenum	97-1	22711	22805	22614	22710	0.42	cps
Molybdenum	98-1	58322	58369	57978	58223	0.37	cps
Neodymium	150-1	87147	88079	87308	87511	0.57	cps
Neodymium	150-2	53933	52203	52993	53043	1.63	cps
Nickel	60-2	313595	310231	308375	310734	0.85	cps
Phosphorus	31-2	12966	13266	12842	13025	1.67	cps
Potassium	39-2	1255125	1258189	1258157	1257157	0.14	cps
Rhodium	103-1	12206004	12100435	12032606	12113015	0.72	cps
Rhodium	103-2	7387445	7265490	7296878	7316604	0.87	cps
Scandium	45-1	7270561	7278115	7117921	7222199	1.25	cps
Scandium	45-2	632828	629453	628504	630261	0.36	cps
Selenium	82-1	46307	46588	46561	46485	0.33	cps
Selenium	77-2	5178	4928	5154	5086	2.72	cps
Selenium	78-2	17801	17177	17644	17540	1.85	cps
Silicon	28-1	29312519	28836475	28662945	28937313	1.16	cps
Silver	107-1	167322	167322	170299	168314	1.02	cps
Silver	109-1	161228	161788	160484	161167	0.41	cps
Sodium	23-2	166132	167759	167945	167279	0.60	cps
Strontium	86-1	303066	305287	305165	304506	0.41	cps
Strontium	88-1	2779164	2777856	2718053	2758358	1.27	cps
Sulfur	34-1	237044	240107	238089	238414	0.65	cps
Terbium	159-1	17033048	17155061	17072799	17086969	0.36	cps
Terbium	159-2	11783750	11633027	11674093	11696957	0.67	cps
Thallium	203-1	2367846	2374749	2381666	2374754	0.29	cps
Thallium	205-1	5654330	5678344	5683206	5671960	0.27	cps
Tin	118-1	18252	18018	18145	18138	0.64	cps
Titanium	47-1	328247	325445	325840	326510	0.46	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5266-20	Instrumnet Name :	P7
Client Sample ID :	ME28Y9S	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:00:25	DataFile Name :	040SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	43682	43809	43608	43699	0.23	cps
Vanadium	51-2	624371	623706	620187	622755	0.36	cps
Yttrium	89-1	21190660	20934653	21055744	21060352	0.61	cps
Yttrium	89-2	5743553	5663184	5730348	5712362	0.75	cps
Zinc	66-2	303831	299815	302205	301950	0.67	cps
Zirconium	90-1	75091	76404	76042	75846	0.89	cps
Zirconium	91-1	17137	17147	16890	17058	0.85	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5266-17	Instrumnet Name :	P7
Client Sample ID :	ME2902	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:03:32	DataFile Name :	041SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4071973	4023234	4039439	4044882	0.61	cps
Antimony	121-1	8259	8149	8279	8229	0.85	cps
Arsenic	75-2	10594	10544	10334	10490	1.32	cps
Barium	135-1	503543	508882	503097	505174	0.64	cps
Barium	137-1	877730	875177	878507	877138	0.20	cps
Beryllium	9-1	1767	1737	1807	1770	1.98	cps
Bismuth	209-1	10161355	10045307	10025057	10077240	0.73	cps
Bismuth	209-2	8359618	8381284	8401492	8380798	0.25	cps
Bromine	81-1	17470	17918	18185	17858	2.02	cps
Bromine	81-2	847	900	893	880	3.30	cps
Cadmium	108-1	310	267	330	302	10.71	cps
Cadmium	106-1	5468	5421	5131	5340	3.42	cps
Cadmium	111-1	4037	4284	4146	4156	2.97	cps
Calcium	43-1	1536462	1549747	1559512	1548573	0.75	cps
Calcium	44-1	24735010	24617221	24885463	24745898	0.54	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	447479	447230	447947	447552	0.08	cps
Cobalt	59-2	143646	143037	144730	143804	0.60	cps
Copper	63-2	228386	228724	229365	228825	0.22	cps
Dysprosium	156-1	49821	49677	49942	49813	0.27	cps
Dysprosium	156-2	42029	41364	41575	41656	0.82	cps
Erbium	164-1	42966	44133	43805	43634	1.38	cps
Erbium	164-2	31679	31175	31572	31475	0.84	cps
Gadolinium	160-1	49079	49183	49524	49262	0.47	cps
Gadolinium	160-2	37303	37393	36745	37147	0.95	cps
Holmium	165-1	16615063	16511226	16576174	16567488	0.32	cps
Holmium	165-2	11889612	11881358	11857739	11876236	0.14	cps
Indium	115-1	13365140	13316546	13321341	13334343	0.20	cps
Indium	115-2	5028175	5011682	4991940	5010599	0.36	cps
Iron	56-2	329955328	331030268	326385048	329123548	0.74	cps
Iron	57-2	8212323	8138367	8210115	8186935	0.51	cps
Iron	54-2	17968834	17943246	17892906	17934996	0.22	cps
Krypton	83-1	270	247	240	252	6.25	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5266-17	Instrumnet Name :	P7
Client Sample ID :	ME2902	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:03:32	DataFile Name :	041SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1369589	1373596	1377222	1373469	0.28	cps
Lead	207-1	1115170	1116586	1106915	1112890	0.47	cps
Lead	208-1	5440155	5387674	5390256	5406028	0.55	cps
Lithium	6-1	2096976	2119840	2088876	2101898	0.76	cps
Magnesium	24-2	8916755	8892524	8897469	8902250	0.14	cps
Manganese	55-2	10464696	10606187	10408979	10493287	0.97	cps
Molybdenum	94-1	36773	36699	36088	36520	1.03	cps
Molybdenum	95-1	37040	37030	36532	36867	0.79	cps
Molybdenum	96-1	46383	46123	46203	46236	0.29	cps
Molybdenum	97-1	23082	22908	22728	22906	0.77	cps
Molybdenum	98-1	60511	60421	59785	60239	0.66	cps
Neodymium	150-1	76731	77119	76764	76871	0.28	cps
Neodymium	150-2	47205	46991	45761	46652	1.67	cps
Nickel	60-2	102450	101326	102181	101986	0.58	cps
Phosphorus	31-2	11741	11721	11598	11687	0.66	cps
Potassium	39-2	1098146	1095816	1100645	1098202	0.22	cps
Rhodium	103-1	12145404	12111261	12314169	12190278	0.89	cps
Rhodium	103-2	7278578	7341091	7360671	7326780	0.59	cps
Scandium	45-1	7235204	7247564	7236143	7239637	0.10	cps
Scandium	45-2	637050	641774	636536	638453	0.45	cps
Selenium	82-1	377	360	417	384	7.63	cps
Selenium	77-2	143	103	143	130	17.77	cps
Selenium	78-2	597	543	533	558	6.10	cps
Silicon	28-1	24357578	24330794	24483816	24390729	0.34	cps
Silver	107-1	5955	5741	5368	5688	5.22	cps
Silver	109-1	5728	5308	5104	5380	5.91	cps
Sodium	23-2	132104	134020	133455	133193	0.74	cps
Strontium	86-1	238230	239713	237909	238617	0.40	cps
Strontium	88-1	2146525	2137276	2106722	2130174	0.98	cps
Sulfur	34-1	215731	217746	215245	216240	0.61	cps
Terbium	159-1	17168393	17049459	17068255	17095369	0.37	cps
Terbium	159-2	11838654	11682035	11703479	11741389	0.72	cps
Thallium	203-1	5881	5885	6121	5962	2.31	cps
Thallium	205-1	14248	14364	14354	14322	0.45	cps
Tin	118-1	26431	27590	27122	27048	2.16	cps
Titanium	47-1	298972	298741	299773	299162	0.18	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5266-17	Instrumnet Name :	P7
Client Sample ID :	ME2902	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:03:32	DataFile Name :	041SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	50114	49877	49512	49834	0.61	cps
Vanadium	51-2	268458	266606	268044	267702	0.36	cps
Yttrium	89-1	20948754	21028993	21069585	21015777	0.29	cps
Yttrium	89-2	5737782	5771283	5751166	5753410	0.29	cps
Zinc	66-2	248884	249920	250798	249868	0.38	cps
Zirconium	90-1	41722	42645	42358	42242	1.12	cps
Zirconium	91-1	9273	9573	9583	9476	1.86	cps

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5266-18	Instrumnet Name :	P7
Client Sample ID :	ME2903	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:06:43	DataFile Name :	042SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2324293	2297915	2270570	2297593	1.17	cps
Antimony	121-1	119673	123148	125193	122671	2.27	cps
Arsenic	75-2	11968	11465	11388	11607	2.72	cps
Barium	135-1	573722	596212	596768	588901	2.23	cps
Barium	137-1	1005525	1033901	1030798	1023408	1.52	cps
Beryllium	9-1	2090	1933	1933	1986	4.56	cps
Bismuth	209-1	10844363	10177255	10070261	10363960	4.05	cps
Bismuth	209-2	8408631	8401638	8460390	8423553	0.38	cps
Bromine	81-1	25575	27158	27088	26607	3.36	cps
Bromine	81-2	2907	2700	2610	2739	5.55	cps
Cadmium	108-1	1560	1627	1707	1631	4.50	cps
Cadmium	106-1	7775	7319	7315	7470	3.54	cps
Cadmium	111-1	18999	19127	19175	19101	0.48	cps
Calcium	43-1	2629548	2727225	2666412	2674395	1.84	cps
Calcium	44-1	42092536	43722181	42955671	42923463	1.90	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	5921718	5866592	5846492	5878267	0.66	cps
Cobalt	59-2	130212	128686	128645	129181	0.69	cps
Copper	63-2	534217	536579	530538	533778	0.57	cps
Dysprosium	156-1	19757	19771	20215	19914	1.31	cps
Dysprosium	156-2	16927	17141	17080	17049	0.65	cps
Erbium	164-1	20655	20211	20261	20376	1.19	cps
Erbium	164-2	14628	14688	14404	14573	1.03	cps
Gadolinium	160-1	18943	19734	19557	19411	2.14	cps
Gadolinium	160-2	15595	15295	15085	15325	1.67	cps
Holmium	165-1	17970595	16677704	16734931	17127743	4.26	cps
Holmium	165-2	11846720	11936946	11622482	11802049	1.37	cps
Indium	115-1	14351821	13177318	13322530	13617223	4.70	cps
Indium	115-2	4880780	4880821	4846825	4869476	0.40	cps
Iron	56-2	816717961	814119961	809708415	813515446	0.44	cps
Iron	57-2	20283216	20390233	19910892	20194780	1.25	cps
Iron	54-2	44685461	44305824	44000179	44330488	0.77	cps
Krypton	83-1	220	287	230	246	14.64	cps

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On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5266-18	Instrumnet Name :	P7
Client Sample ID :	ME2903	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:06:43	DataFile Name :	042SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	8446237	8921232	8752157	8706542	2.77	cps
Lead	207-1	7109118	7365801	7381857	7285592	2.10	cps
Lead	208-1	33065413	34384093	34120320	33856609	2.06	cps
Lithium	6-1	2197934	2099890	2089830	2129218	2.80	cps
Magnesium	24-2	6944778	6970466	6890422	6935222	0.59	cps
Manganese	55-2	38660430	38464336	38037762	38387509	0.83	cps
Molybdenum	94-1	104587	109338	109425	107783	2.57	cps
Molybdenum	95-1	143850	151191	151404	148815	2.89	cps
Molybdenum	96-1	167623	174311	173128	171687	2.08	cps
Molybdenum	97-1	89667	95389	92641	92565	3.09	cps
Molybdenum	98-1	232641	243711	242074	239475	2.50	cps
Neodymium	150-1	29902	30647	30733	30427	1.50	cps
Neodymium	150-2	18405	18916	18012	18444	2.46	cps
Nickel	60-2	827889	830687	825631	828069	0.31	cps
Phosphorus	31-2	17033	17303	16819	17052	1.42	cps
Potassium	39-2	938094	934772	926746	933204	0.63	cps
Rhodium	103-1	13041531	12298816	12025975	12455441	4.22	cps
Rhodium	103-2	7172448	7122270	7075635	7123451	0.68	cps
Scandium	45-1	7769460	7108601	7042539	7306867	5.50	cps
Scandium	45-2	611027	607486	604990	607834	0.50	cps
Selenium	82-1	462	459	451	457	1.24	cps
Selenium	77-2	73	67	127	89	37.00	cps
Selenium	78-2	647	477	453	526	20.08	cps
Silicon	28-1	24885511	25918595	25965306	25589804	2.39	cps
Silver	107-1	47120	49785	49852	48919	3.19	cps
Silver	109-1	45464	46434	47009	46303	1.69	cps
Sodium	23-2	258810	256197	258267	257758	0.53	cps
Strontium	86-1	511656	533292	534211	526386	2.42	cps
Strontium	88-1	4638321	4826704	4747694	4737573	2.00	cps
Sulfur	34-1	254120	253601	253374	253698	0.15	cps
Terbium	159-1	18335102	17226245	17191996	17584447	3.70	cps
Terbium	159-2	11577616	11600093	11382542	11520084	1.04	cps
Thallium	203-1	16433	16650	17278	16787	2.61	cps
Thallium	205-1	38297	40219	39714	39410	2.53	cps
Tin	118-1	104919	110845	111255	109006	3.25	cps
Titanium	47-1	608921	632518	627437	622958	1.99	cps

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On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5266-18	Instrumnet Name :	P7
Client Sample ID :	ME2903	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:06:43	DataFile Name :	042SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	32269	33335	33616	33073	2.15	cps
Vanadium	51-2	308335	306911	305544	306930	0.45	cps
Yttrium	89-1	22079690	20808215	20428770	21105558	4.10	cps
Yttrium	89-2	5534285	5497866	5441526	5491225	0.85	cps
Zinc	66-2	2137253	2125890	2164659	2142601	0.93	cps
Zirconium	90-1	63597	67685	67203	66162	3.38	cps
Zirconium	91-1	14461	14574	14871	14635	1.45	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5256-01ARE2	Instrumnet Name :	P7
Client Sample ID :	MJNL92A	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:09:51	DataFile Name :	043SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	15457302	15567226	15528142	15517557	0.36	cps
Antimony	121-1	5545205	5681552	5605191	5610649	1.22	cps
Arsenic	75-2	1586943	1561009	1536938	1561630	1.60	cps
Barium	135-1	3581599	3690601	3638827	3637009	1.50	cps
Barium	137-1	6156179	6344943	6258364	6253162	1.51	cps
Beryllium	9-1	2377	2164	2107	2216	6.43	cps
Bismuth	209-1	12892929	12210629	12101054	12401537	3.46	cps
Bismuth	209-2	10139814	9958417	9849799	9982677	1.47	cps
Bromine	81-1	276160	308861	315846	300289	7.06	cps
Bromine	81-2	58967	61269	60326	60187	1.92	cps
Cadmium	108-1	4464	4411	4197	4357	3.24	cps
Cadmium	106-1	12232	12132	12245	12203	0.51	cps
Cadmium	111-1	45066	47783	45721	46190	3.07	cps
Calcium	43-1	1225761	1251394	1223321	1233492	1.26	cps
Calcium	44-1	19383561	19899891	19504863	19596105	1.38	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	915075	904155	902803	907344	0.74	cps
Cobalt	59-2	1557117	1571431	1550721	1559756	0.68	cps
Copper	63-2	173578717	174165824	173777151	173840564	0.17	cps
Dysprosium	156-1	128703	130385	127601	128896	1.09	cps
Dysprosium	156-2	104126	103461	104474	104020	0.50	cps
Erbium	164-1	121264	122575	120528	121456	0.85	cps
Erbium	164-2	84905	86308	85617	85610	0.82	cps
Gadolinium	160-1	128177	130652	127739	128856	1.22	cps
Gadolinium	160-2	94476	94942	94617	94678	0.25	cps
Holmium	165-1	20011193	19232088	19119598	19454293	2.50	cps
Holmium	165-2	13628958	13188317	13226996	13348090	1.83	cps
Indium	115-1	16821842	16449884	16333235	16534987	1.54	cps
Indium	115-2	5888196	5802988	5786884	5826023	0.93	cps
Iron	56-2	957006146	950099693	941440759	949515533	0.82	cps
Iron	57-2	23697946	23593812	23616537	23636099	0.23	cps
Iron	54-2	51605036	51451248	50957324	51337869	0.66	cps
Krypton	83-1	433	440	357	410	11.29	cps

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On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5256-01ARE2	Instrumnet Name :	P7
Client Sample ID :	MJNL92A	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:09:51	DataFile Name :	043SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	29823580	30315120	29853430	29997377	0.92	cps
Lead	207-1	26110120	26371905	26023881	26168635	0.69	cps
Lead	208-1	119473082	120147178	118598807	119406356	0.65	cps
Lithium	6-1	2522901	2529468	2518122	2523497	0.23	cps
Magnesium	24-2	14938104	14970623	14888993	14932573	0.28	cps
Manganese	55-2	7379232	7358447	7245836	7327838	0.98	cps
Molybdenum	94-1	425254	435060	429777	430030	1.14	cps
Molybdenum	95-1	382055	390139	380667	384287	1.33	cps
Molybdenum	96-1	452945	465102	459064	459037	1.32	cps
Molybdenum	97-1	238963	245791	240555	241769	1.48	cps
Molybdenum	98-1	616074	630928	616003	621002	1.38	cps
Neodymium	150-1	193977	199911	195465	196451	1.57	cps
Neodymium	150-2	116600	115236	116375	116070	0.63	cps
Nickel	60-2	314102	314729	312237	313689	0.41	cps
Phosphorus	31-2	61499	61653	60901	61351	0.65	cps
Potassium	39-2	7130964	7184844	7110192	7142000	0.54	cps
Rhodium	103-1	14393234	14043193	13714628	14050351	2.42	cps
Rhodium	103-2	8197305	8065384	8075121	8112603	0.91	cps
Scandium	45-1	8879957	8675184	8577493	8710878	1.77	cps
Scandium	45-2	734060	721458	719216	724911	1.10	cps
Selenium	82-1	2810	2903	2980	2898	2.93	cps
Selenium	77-2	593	620	607	607	2.20	cps
Selenium	78-2	1530	1433	1507	1490	3.39	cps
Silicon	28-1	195309330	200526864	198166957	198001050	1.32	cps
Silver	107-1	878790	889014	875589	881131	0.80	cps
Silver	109-1	836669	849206	837027	840967	0.85	cps
Sodium	23-2	56954421	57304712	56468889	56909341	0.74	cps
Strontium	86-1	1627431	1658484	1648393	1644769	0.96	cps
Strontium	88-1	14135705	14434501	14192673	14254293	1.11	cps
Sulfur	34-1	3989625	4046022	3942442	3992696	1.30	cps
Terbium	159-1	20401229	19741818	19675423	19939490	2.01	cps
Terbium	159-2	13262214	13001382	13020309	13094635	1.11	cps
Thallium	203-1	53254	52487	52859	52866	0.73	cps
Thallium	205-1	126407	127366	124607	126127	1.11	cps
Tin	118-1	2871659	2934163	2926275	2910699	1.17	cps
Titanium	47-1	4125594	4331809	4176769	4211391	2.55	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5256-01ARE2	Instrumnet Name :	P7
Client Sample ID :	MJNL92A	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:09:51	DataFile Name :	043SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	286062	288275	288925	287754	0.52	cps
Vanadium	51-2	900607	887026	887175	891603	0.87	cps
Yttrium	89-1	26290023	25542920	25391946	25741630	1.87	cps
Yttrium	89-2	6752663	6549149	6586643	6629485	1.63	cps
Zinc	66-2	9517235	9375715	9438149	9443700	0.75	cps
Zirconium	90-1	566434	586460	578405	577100	1.75	cps
Zirconium	91-1	127260	133700	130638	130533	2.47	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5250-01	Instrumnet Name :	P7
Client Sample ID :	MJNBZ1	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:12:49	DataFile Name :	044SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8545499	8507968	8536321	8529929	0.23	cps
Antimony	121-1	2150	2254	2227	2210	2.43	cps
Arsenic	75-2	6201	6421	6612	6411	3.20	cps
Barium	135-1	723074	727312	723704	724696	0.32	cps
Barium	137-1	1244736	1254216	1254724	1251225	0.45	cps
Beryllium	9-1	1850	1617	1640	1702	7.55	cps
Bismuth	209-1	9958542	9925680	9956835	9947019	0.19	cps
Bismuth	209-2	8259471	8336704	8232957	8276377	0.65	cps
Bromine	81-1	22604	22060	20217	21627	5.78	cps
Bromine	81-2	1083	1090	950	1041	7.59	cps
Cadmium	108-1	1007	867	923	932	7.55	cps
Cadmium	106-1	7098	7459	7282	7280	2.47	cps
Cadmium	111-1	1960	2242	2073	2092	6.77	cps
Calcium	43-1	610141	623063	623636	618947	1.23	cps
Calcium	44-1	9635216	9869323	9722396	9742312	1.21	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	207808	209353	208707	208622	0.37	cps
Cobalt	59-2	277291	276656	277858	277269	0.22	cps
Copper	63-2	475485	477714	475163	476121	0.29	cps
Dysprosium	156-1	92989	94354	93589	93644	0.73	cps
Dysprosium	156-2	76755	78035	78099	77629	0.98	cps
Erbium	164-1	93406	94591	94469	94155	0.69	cps
Erbium	164-2	66678	68450	67455	67528	1.32	cps
Gadolinium	160-1	94771	94757	96043	95190	0.78	cps
Gadolinium	160-2	72104	72204	71535	71948	0.50	cps
Holmium	165-1	16834306	16521482	16591444	16649077	0.99	cps
Holmium	165-2	11871159	11900135	11787282	11852858	0.49	cps
Indium	115-1	13151266	13190119	13292983	13211456	0.55	cps
Indium	115-2	4902523	4895935	4904693	4901050	0.09	cps
Iron	56-2	322922955	322651042	322407475	322660491	0.08	cps
Iron	57-2	7955586	7964449	8011601	7977212	0.38	cps
Iron	54-2	17592389	17576309	17560168	17576289	0.09	cps
Krypton	83-1	340	360	307	336	8.03	cps

500

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5250-01	Instrumnet Name :	P7
Client Sample ID :	MJNBZ1	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:12:49	DataFile Name :	044SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	185644	186521	184625	185597	0.51	cps
Lead	207-1	155926	155202	155816	155648	0.25	cps
Lead	208-1	722712	724625	722438	723258	0.16	cps
Lithium	6-1	2030121	2028653	2011361	2023378	0.52	cps
Magnesium	24-2	7579344	7629639	7591420	7600134	0.35	cps
Manganese	55-2	4014347	4063827	3964279	4014151	1.24	cps
Molybdenum	94-1	389549	402343	396450	396114	1.62	cps
Molybdenum	95-1	5398	5644	5424	5489	2.47	cps
Molybdenum	96-1	75282	76154	77001	76146	1.13	cps
Molybdenum	97-1	3417	3480	3540	3479	1.77	cps
Molybdenum	98-1	8659	8473	8456	8529	1.32	cps
Neodymium	150-1	141717	140182	144101	142000	1.39	cps
Neodymium	150-2	86533	86885	85923	86447	0.56	cps
Nickel	60-2	108224	108166	108519	108303	0.17	cps
Phosphorus	31-2	21238	21185	21305	21243	0.28	cps
Potassium	39-2	1069817	1076267	1078923	1075002	0.44	cps
Rhodium	103-1	11992323	12201004	12033220	12075516	0.92	cps
Rhodium	103-2	7274052	7200257	7255805	7243371	0.53	cps
Scandium	45-1	7334451	7318251	7327934	7326879	0.11	cps
Scandium	45-2	644483	647411	644009	645301	0.29	cps
Selenium	82-1	293	260	327	293	11.41	cps
Selenium	77-2	223	217	220	220	1.52	cps
Selenium	78-2	620	710	623	651	7.84	cps
Silicon	28-1	18274999	18486311	18583608	18448306	0.86	cps
Silver	107-1	2770	2654	2717	2714	2.15	cps
Silver	109-1	1957	2094	1977	2009	3.67	cps
Sodium	23-2	632019	630717	631818	631518	0.11	cps
Strontium	86-1	482152	485707	487673	485177	0.58	cps
Strontium	88-1	4340917	4371162	4318657	4343579	0.61	cps
Sulfur	34-1	151809	159290	159856	156985	2.86	cps
Terbium	159-1	16879772	16838669	17013276	16910572	0.54	cps
Terbium	159-2	11781835	11431081	11639581	11617499	1.52	cps
Thallium	203-1	3731	3794	3777	3767	0.87	cps
Thallium	205-1	9187	8976	8663	8942	2.95	cps
Tin	118-1	19276	19206	19467	19316	0.70	cps
Titanium	47-1	4847425	4840525	4872786	4853579	0.35	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5250-01	Instrumnet Name :	P7
Client Sample ID :	MJNBZ1	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:12:49	DataFile Name :	044SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	62395	62684	63233	62771	0.68	cps
Vanadium	51-2	760773	757490	759596	759286	0.22	cps
Yttrium	89-1	21440586	21386496	21488090	21438391	0.24	cps
Yttrium	89-2	5932347	5840550	5846908	5873268	0.87	cps
Zinc	66-2	139137	139467	139773	139459	0.23	cps
Zirconium	90-1	1056351	1087219	1074144	1072571	1.44	cps
Zirconium	91-1	234887	241708	240371	238989	1.51	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5250-02	Instrumnet Name :	P7
Client Sample ID :	MJNBZ3	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:16:03	DataFile Name :	045SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	18558542	18344263	18439779	18447528	0.58	cps
Antimony	121-1	1317	1303	1280	1300	1.43	cps
Arsenic	75-2	4631	4924	4591	4715	3.86	cps
Barium	135-1	686549	694100	689940	690196	0.55	cps
Barium	137-1	1197904	1203732	1199170	1200268	0.26	cps
Beryllium	9-1	1983	1957	1930	1957	1.36	cps
Bismuth	209-1	9734605	9826948	9677580	9746377	0.77	cps
Bismuth	209-2	8381388	8132247	8243196	8252277	1.51	cps
Bromine	81-1	16589	16700	16289	16526	1.29	cps
Bromine	81-2	687	610	753	683	10.50	cps
Cadmium	108-1	1067	1137	1240	1148	7.60	cps
Cadmium	106-1	7762	7922	7769	7818	1.16	cps
Cadmium	111-1	2477	2455	2324	2418	3.42	cps
Calcium	43-1	496451	490990	491923	493122	0.59	cps
Calcium	44-1	7714054	7659833	7638896	7670927	0.51	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	285241	283105	284455	284267	0.38	cps
Cobalt	59-2	284847	281839	284683	283790	0.60	cps
Copper	63-2	590705	587657	586887	588416	0.34	cps
Dysprosium	156-1	93398	91468	91955	92274	1.09	cps
Dysprosium	156-2	77841	77274	78082	77732	0.53	cps
Erbium	164-1	80825	81982	81067	81291	0.75	cps
Erbium	164-2	58164	58258	57628	58016	0.59	cps
Gadolinium	160-1	90493	91838	91067	91133	0.74	cps
Gadolinium	160-2	69092	68041	68620	68584	0.77	cps
Holmium	165-1	16327269	16243925	16384991	16318728	0.43	cps
Holmium	165-2	11804972	11706112	11803485	11771523	0.48	cps
Indium	115-1	13006797	12990460	13128072	13041776	0.58	cps
Indium	115-2	4908255	4821873	4844250	4858126	0.92	cps
Iron	56-2	346108675	343260982	341860542	343743399	0.63	cps
Iron	57-2	8574527	8399674	8451809	8475337	1.06	cps
Iron	54-2	18774348	18431568	18569338	18591751	0.93	cps
Krypton	83-1	317	323	287	309	6.32	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5250-02	Instrumnet Name :	P7
Client Sample ID :	MJNBZ3	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:16:03	DataFile Name :	045SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	259776	260852	261623	260751	0.36	cps
Lead	207-1	218467	218554	219648	218890	0.30	cps
Lead	208-1	1010479	1011763	1015947	1012730	0.28	cps
Lithium	6-1	1981758	2027871	2027057	2012228	1.31	cps
Magnesium	24-2	10813777	10854520	10796144	10821481	0.28	cps
Manganese	55-2	4793320	4694545	4784173	4757346	1.15	cps
Molybdenum	94-1	516874	511292	515011	514392	0.55	cps
Molybdenum	95-1	3954	4061	3994	4003	1.35	cps
Molybdenum	96-1	93258	95240	93073	93857	1.28	cps
Molybdenum	97-1	2564	2557	2354	2491	4.79	cps
Molybdenum	98-1	6191	6448	6271	6304	2.08	cps
Neodymium	150-1	153269	153337	151369	152658	0.73	cps
Neodymium	150-2	93467	93440	92732	93213	0.45	cps
Nickel	60-2	112605	111886	111430	111974	0.53	cps
Phosphorus	31-2	23271	22894	22854	23006	1.00	cps
Potassium	39-2	1335365	1315998	1310445	1320603	0.99	cps
Rhodium	103-1	11862490	11810890	11841734	11838372	0.22	cps
Rhodium	103-2	7124586	6957399	7075197	7052394	1.22	cps
Scandium	45-1	7322567	7319470	7240768	7294268	0.64	cps
Scandium	45-2	636512	634035	641179	637242	0.57	cps
Selenium	82-1	290	242	273	268	8.97	cps
Selenium	77-2	260	200	273	244	15.98	cps
Selenium	78-2	607	683	587	626	8.16	cps
Silicon	28-1	28113882	27776341	27837467	27909230	0.64	cps
Silver	107-1	2164	2090	1960	2071	4.97	cps
Silver	109-1	1320	1323	1257	1300	2.89	cps
Sodium	23-2	600961	598414	602640	600672	0.35	cps
Strontium	86-1	522244	522887	520680	521937	0.22	cps
Strontium	88-1	4648671	4699231	4617084	4654995	0.89	cps
Sulfur	34-1	155320	151583	151792	152899	1.37	cps
Terbium	159-1	16921306	16792909	16530876	16748364	1.19	cps
Terbium	159-2	11607303	11494077	11490510	11530630	0.58	cps
Thallium	203-1	2610	2480	2417	2502	3.94	cps
Thallium	205-1	5621	5995	5908	5841	3.35	cps
Tin	118-1	14698	13990	13680	14123	3.69	cps
Titanium	47-1	3854858	3839075	3835476	3843136	0.27	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5250-02	Instrumnet Name :	P7
Client Sample ID :	MJNBZ3	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:16:03	DataFile Name :	045SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	50154	49863	50221	50080	0.38	cps
Vanadium	51-2	700895	694092	694405	696464	0.55	cps
Yttrium	89-1	21133049	21281559	20873472	21096027	0.98	cps
Yttrium	89-2	5738923	5632178	5723893	5698331	1.01	cps
Zinc	66-2	253530	252510	251506	252516	0.40	cps
Zirconium	90-1	1440590	1460466	1391126	1430727	2.50	cps
Zirconium	91-1	311478	309581	309504	310188	0.36	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5256-01A	Instrumnet Name :	P7
Client Sample ID :	MJNL92A	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:20:18	DataFile Name :	046SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2843139	2889767	2788108	2840338	1.79	cps
Antimony	121-1	963363	960062	956971	960132	0.33	cps
Arsenic	75-2	267452	264883	266614	266316	0.49	cps
Barium	135-1	617689	622348	618814	619617	0.39	cps
Barium	137-1	1071906	1073907	1066977	1070930	0.33	cps
Beryllium	9-1	420	490	497	469	9.06	cps
Bismuth	209-1	10329037	10142645	10115881	10195854	1.14	cps
Bismuth	209-2	8613796	8557769	8483158	8551574	0.77	cps
Bromine	81-1	62930	67925	69556	66804	5.17	cps
Bromine	81-2	11074	11138	10924	11045	0.99	cps
Cadmium	108-1	787	840	897	841	6.54	cps
Cadmium	106-1	5578	5358	5374	5437	2.25	cps
Cadmium	111-1	8916	8975	8797	8896	1.02	cps
Calcium	43-1	219913	218578	221026	219839	0.56	cps
Calcium	44-1	3494384	3503097	3450321	3482601	0.81	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	167930	167279	167427	167545	0.20	cps
Cobalt	59-2	275184	275688	272954	274609	0.53	cps
Copper	63-2	31635469	31254964	31135695	31342043	0.83	cps
Dysprosium	156-1	22949	23099	22915	22988	0.43	cps
Dysprosium	156-2	18849	19013	19026	18963	0.52	cps
Erbium	164-1	21867	21967	21593	21809	0.89	cps
Erbium	164-2	15475	15759	15429	15554	1.15	cps
Gadolinium	160-1	22805	23660	22942	23136	1.98	cps
Gadolinium	160-2	17958	17695	17765	17806	0.77	cps
Holmium	165-1	16767986	16422031	16220211	16470076	1.68	cps
Holmium	165-2	11960183	11830707	11784861	11858584	0.77	cps
Indium	115-1	13612586	13353974	13580247	13515602	1.04	cps
Indium	115-2	5099810	5025912	5046763	5057495	0.75	cps
Iron	56-2	176009491	176631897	175136644	175926011	0.43	cps
Iron	57-2	4319066	4379068	4301739	4333291	0.94	cps
Iron	54-2	9499027	9574636	9509585	9527750	0.43	cps
Krypton	83-1	243	210	267	240	11.87	cps

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5256-01A	Instrumnet Name :	P7
Client Sample ID :	MJNL92A	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:20:18	DataFile Name :	046SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	5587933	5550479	5477973	5538795	1.01	cps
Lead	207-1	4875596	4835824	4760225	4823882	1.21	cps
Lead	208-1	22088132	22083370	21691887	21954463	1.04	cps
Lithium	6-1	2078912	2019289	2032231	2043478	1.53	cps
Magnesium	24-2	2722684	2722879	2687197	2710920	0.76	cps
Manganese	55-2	3293413	3282765	3283538	3286572	0.18	cps
Molybdenum	94-1	76080	76763	75942	76262	0.58	cps
Molybdenum	95-1	66226	67535	66832	66864	0.98	cps
Molybdenum	96-1	80939	81432	81049	81140	0.32	cps
Molybdenum	97-1	42181	42779	42535	42498	0.71	cps
Molybdenum	98-1	108992	108126	108838	108652	0.43	cps
Neodymium	150-1	34639	35483	35424	35182	1.34	cps
Neodymium	150-2	21143	22198	21213	21518	2.74	cps
Nickel	60-2	58935	57697	56797	57810	1.86	cps
Phosphorus	31-2	10667	10907	10754	10776	1.13	cps
Potassium	39-2	1355302	1369819	1329468	1351530	1.51	cps
Rhodium	103-1	12060801	12163439	12276587	12166943	0.89	cps
Rhodium	103-2	7347372	7260384	7320511	7309422	0.61	cps
Scandium	45-1	7173963	7165652	7187598	7175738	0.15	cps
Scandium	45-2	628312	626167	619829	624769	0.71	cps
Selenium	82-1	604	606	580	597	2.39	cps
Selenium	77-2	123	100	120	114	11.03	cps
Selenium	78-2	517	643	660	607	12.92	cps
Silicon	28-1	36076644	36152786	36071166	36100199	0.13	cps
Silver	107-1	158408	160290	160547	159748	0.73	cps
Silver	109-1	152027	149855	151253	151045	0.73	cps
Sodium	23-2	10265826	10142700	10097230	10168586	0.86	cps
Strontium	86-1	278848	278825	279113	278929	0.06	cps
Strontium	88-1	2518699	2540473	2524973	2528048	0.44	cps
Sulfur	34-1	767780	780200	765433	771137	1.03	cps
Terbium	159-1	17057233	16806034	16906135	16923134	0.75	cps
Terbium	159-2	11771189	11589127	11723270	11694528	0.81	cps
Thallium	203-1	9433	9177	9340	9317	1.40	cps
Thallium	205-1	21981	22248	22265	22165	0.72	cps
Tin	118-1	498949	501857	500031	500279	0.29	cps
Titanium	47-1	708518	714713	714421	712551	0.49	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5256-01A	Instrumnet Name :	P7
Client Sample ID :	MJNL92A	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:20:18	DataFile Name :	046SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	51838	51884	51409	51710	0.51	cps
Vanadium	51-2	163130	162935	162803	162956	0.10	cps
Yttrium	89-1	20631289	20437475	20459433	20509399	0.52	cps
Yttrium	89-2	5671319	5664961	5591244	5642508	0.79	cps
Zinc	66-2	1684962	1675787	1666913	1675887	0.54	cps
Zirconium	90-1	103531	102477	101810	102606	0.85	cps
Zirconium	91-1	22975	23726	23078	23260	1.75	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5250-03	Instrumnet Name :	P7
Client Sample ID :	MJNBZ4	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:23:23	DataFile Name :	047SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	11960608	11928088	11973027	11953908	0.19	cps
Antimony	121-1	1760	1630	1737	1709	4.06	cps
Arsenic	75-2	3987	4044	4171	4067	2.31	cps
Barium	135-1	721245	727454	726442	725047	0.46	cps
Barium	137-1	1253406	1267882	1262595	1261294	0.58	cps
Beryllium	9-1	1620	1503	1507	1543	4.30	cps
Bismuth	209-1	9876459	9776666	9668984	9774037	1.06	cps
Bismuth	209-2	8193497	8206650	8238263	8212803	0.28	cps
Bromine	81-1	18225	16673	16766	17221	5.05	cps
Bromine	81-2	710	730	727	722	1.48	cps
Cadmium	108-1	1080	1127	1030	1079	4.48	cps
Cadmium	106-1	7152	7502	7182	7279	2.67	cps
Cadmium	111-1	3157	3338	3213	3236	2.86	cps
Calcium	43-1	380386	383966	381271	381874	0.49	cps
Calcium	44-1	6049490	6012451	5936090	5999344	0.96	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	185030	183694	185333	184686	0.47	cps
Cobalt	59-2	202088	201699	200268	201352	0.48	cps
Copper	63-2	335373	337013	333842	335409	0.47	cps
Dysprosium	156-1	48898	48985	49584	49156	0.76	cps
Dysprosium	156-2	42521	41993	42785	42433	0.95	cps
Erbium	164-1	43273	44036	44310	43873	1.22	cps
Erbium	164-2	32585	32003	31686	32091	1.42	cps
Gadolinium	160-1	47761	47714	47597	47691	0.18	cps
Gadolinium	160-2	36317	36969	36237	36507	1.10	cps
Holmium	165-1	16473330	16255706	16208526	16312520	0.87	cps
Holmium	165-2	11718179	11598310	11600064	11638851	0.59	cps
Indium	115-1	13170278	12863744	12960767	12998263	1.21	cps
Indium	115-2	4849566	4791326	4845206	4828700	0.67	cps
Iron	56-2	243266510	242279756	241225650	242257305	0.42	cps
Iron	57-2	6021800	5969833	5938597	5976743	0.70	cps
Iron	54-2	13116192	13045756	13152323	13104757	0.41	cps
Krypton	83-1	247	203	243	231	10.43	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5250-03	Instrumnet Name :	P7
Client Sample ID :	MJNBZ4	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:23:23	DataFile Name :	047SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	460874	459855	459027	459919	0.20	cps
Lead	207-1	384633	387261	384981	385625	0.37	cps
Lead	208-1	1779149	1793825	1785430	1786135	0.41	cps
Lithium	6-1	1989943	1972855	2005832	1989543	0.83	cps
Magnesium	24-2	6530027	6451598	6441956	6474527	0.75	cps
Manganese	55-2	3693524	3641258	3607874	3647552	1.18	cps
Molybdenum	94-1	430126	430811	433130	431356	0.37	cps
Molybdenum	95-1	3554	3737	3564	3618	2.85	cps
Molybdenum	96-1	77688	79116	79052	78619	1.03	cps
Molybdenum	97-1	2374	2400	2154	2309	5.86	cps
Molybdenum	98-1	5975	5928	5978	5960	0.47	cps
Neodymium	150-1	79838	78869	79030	79246	0.66	cps
Neodymium	150-2	49189	48851	48342	48794	0.87	cps
Nickel	60-2	76752	76065	75921	76246	0.58	cps
Phosphorus	31-2	17153	17300	16699	17051	1.84	cps
Potassium	39-2	1093798	1089156	1084489	1089148	0.43	cps
Rhodium	103-1	11972532	11770309	11772519	11838453	0.98	cps
Rhodium	103-2	7137166	7068494	7057231	7087630	0.61	cps
Scandium	45-1	7238609	7134836	7023060	7132168	1.51	cps
Scandium	45-2	638759	631154	629747	633220	0.77	cps
Selenium	82-1	234	277	239	250	9.54	cps
Selenium	77-2	87	110	103	100	12.02	cps
Selenium	78-2	483	527	680	563	18.34	cps
Silicon	28-1	21243861	21212785	21186828	21214491	0.13	cps
Silver	107-1	1823	1747	1903	1825	4.29	cps
Silver	109-1	1057	1127	1143	1109	4.15	cps
Sodium	23-2	391050	390643	388984	390226	0.28	cps
Strontium	86-1	528528	529349	528247	528708	0.11	cps
Strontium	88-1	4834588	4755847	4718807	4769748	1.24	cps
Sulfur	34-1	148550	148816	146528	147965	0.85	cps
Terbium	159-1	16866947	16684754	16324461	16625387	1.66	cps
Terbium	159-2	11439794	11514939	11482830	11479187	0.33	cps
Thallium	203-1	2257	2360	2284	2300	2.33	cps
Thallium	205-1	5144	5401	5404	5317	2.81	cps
Tin	118-1	17474	18388	18218	18027	2.70	cps
Titanium	47-1	2259668	2240244	2239819	2246577	0.50	cps

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On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5250-03	Instrumnet Name :	P7
Client Sample ID :	MJNBZ4	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:23:23	DataFile Name :	047SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	40505	41214	40793	40837	0.87	cps
Vanadium	51-2	552876	550215	547875	550322	0.45	cps
Yttrium	89-1	20457575	20348613	20009857	20272015	1.15	cps
Yttrium	89-2	5596297	5529100	5516189	5547195	0.78	cps
Zinc	66-2	336445	335946	337605	336666	0.25	cps
Zirconium	90-1	1168777	1170865	1171063	1170235	0.11	cps
Zirconium	91-1	260941	261978	261153	261357	0.21	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5250-04	Instrumnet Name :	P7
Client Sample ID :	MJNBZ7	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:26:35	DataFile Name :	048SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	10482020	10518162	10482346	10494176	0.20	cps
Antimony	121-1	1440	1403	1610	1485	7.43	cps
Arsenic	75-2	5351	5414	5708	5491	3.47	cps
Barium	135-1	872859	863168	862198	866075	0.68	cps
Barium	137-1	1514928	1506110	1491269	1504102	0.79	cps
Beryllium	9-1	1690	1577	1653	1640	3.53	cps
Bismuth	209-1	9817374	9654187	9724199	9731920	0.84	cps
Bismuth	209-2	8251229	8183424	8116971	8183875	0.82	cps
Bromine	81-1	16416	16626	16282	16441	1.05	cps
Bromine	81-2	650	607	707	654	7.66	cps
Cadmium	108-1	910	833	950	898	6.60	cps
Cadmium	106-1	6682	6852	7202	6912	3.84	cps
Cadmium	111-1	1874	2011	2115	2000	6.04	cps
Calcium	43-1	552322	545330	544023	547225	0.82	cps
Calcium	44-1	8538163	8621562	8478796	8546174	0.84	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	238570	237660	237494	237908	0.24	cps
Cobalt	59-2	263268	260130	260436	261278	0.66	cps
Copper	63-2	552999	550257	547741	550332	0.48	cps
Dysprosium	156-1	58230	56563	56222	57005	1.88	cps
Dysprosium	156-2	48142	47359	47727	47743	0.82	cps
Erbium	164-1	53753	54134	54455	54114	0.65	cps
Erbium	164-2	38710	39285	39108	39034	0.75	cps
Gadolinium	160-1	55590	55750	55098	55479	0.61	cps
Gadolinium	160-2	42063	41959	40712	41578	1.81	cps
Holmium	165-1	16244326	16146456	15999995	16130259	0.76	cps
Holmium	165-2	11608852	11549242	11542532	11566876	0.32	cps
Indium	115-1	12974016	12847322	12913485	12911608	0.49	cps
Indium	115-2	4876392	4816006	4838988	4843795	0.63	cps
Iron	56-2	275100103	274039863	272009096	273716354	0.57	cps
Iron	57-2	6747957	6745549	6755225	6749577	0.07	cps
Iron	54-2	14906838	14780235	14713800	14800291	0.66	cps
Krypton	83-1	310	287	240	279	12.78	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5250-04	Instrumnet Name :	P7
Client Sample ID :	MJNBZ7	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:26:35	DataFile Name :	048SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	374446	369221	365594	369753	1.20	cps
Lead	207-1	312030	313000	306985	310672	1.04	cps
Lead	208-1	1446654	1441053	1429459	1439055	0.61	cps
Lithium	6-1	1981394	1933320	1998300	1971005	1.71	cps
Magnesium	24-2	6579542	6544381	6506031	6543318	0.56	cps
Manganese	55-2	6673001	6636244	6570652	6626632	0.78	cps
Molybdenum	94-1	371450	372665	368636	370917	0.56	cps
Molybdenum	95-1	3500	3550	3664	3572	2.34	cps
Molybdenum	96-1	68791	68660	67746	68399	0.83	cps
Molybdenum	97-1	2210	2287	2194	2230	2.23	cps
Molybdenum	98-1	5428	5494	5181	5368	3.08	cps
Neodymium	150-1	88700	88083	88968	88584	0.51	cps
Neodymium	150-2	53274	52912	53163	53116	0.35	cps
Nickel	60-2	81181	80873	80960	81005	0.20	cps
Phosphorus	31-2	25588	24503	24673	24921	2.34	cps
Potassium	39-2	1656862	1651787	1648679	1652443	0.25	cps
Rhodium	103-1	11834014	11824382	11772940	11810446	0.28	cps
Rhodium	103-2	7118515	6951189	7032053	7033919	1.19	cps
Scandium	45-1	7187612	7221134	7212894	7207213	0.24	cps
Scandium	45-2	632498	632255	627632	630795	0.43	cps
Selenium	82-1	212	270	273	251	13.71	cps
Selenium	77-2	97	163	100	120	31.31	cps
Selenium	78-2	467	513	530	503	6.52	cps
Silicon	28-1	19106382	19102423	18888991	19032598	0.65	cps
Silver	107-1	2260	2357	2194	2270	3.62	cps
Silver	109-1	1657	1680	1640	1659	1.21	cps
Sodium	23-2	319209	314636	316802	316883	0.72	cps
Strontium	86-1	561708	558197	555484	558463	0.56	cps
Strontium	88-1	5023374	4974626	4924603	4974201	0.99	cps
Sulfur	34-1	160607	158847	159721	159725	0.55	cps
Terbium	159-1	16555681	16567041	16589967	16570896	0.11	cps
Terbium	159-2	11372403	11375162	11417712	11388426	0.22	cps
Thallium	203-1	3334	3347	3434	3372	1.61	cps
Thallium	205-1	8129	7759	7956	7948	2.33	cps
Tin	118-1	15352	14804	14607	14921	2.58	cps
Titanium	47-1	1382592	1392753	1408448	1394598	0.93	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5250-04	Instrumnet Name :	P7
Client Sample ID :	MJNBZ7	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:26:35	DataFile Name :	048SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	43568	44223	43193	43661	1.19	cps
Vanadium	51-2	697529	692036	694512	694692	0.40	cps
Yttrium	89-1	20568657	20470503	20110636	20383265	1.18	cps
Yttrium	89-2	5624810	5528937	5558754	5570833	0.88	cps
Zinc	66-2	143471	144464	144598	144178	0.43	cps
Zirconium	90-1	1011227	1018715	1002083	1010675	0.82	cps
Zirconium	91-1	224880	223446	221513	223280	0.76	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5250-05	Instrumnet Name :	P7
Client Sample ID :	MJNBZ8	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:29:50	DataFile Name :	049SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6451677	6506299	6470157	6476044	0.43	cps
Antimony	121-1	1717	1867	1900	1828	5.34	cps
Arsenic	75-2	4284	4517	4161	4321	4.19	cps
Barium	135-1	627920	642980	642339	637746	1.34	cps
Barium	137-1	1094412	1110887	1120485	1108595	1.19	cps
Beryllium	9-1	1237	1247	1300	1261	2.70	cps
Bismuth	209-1	10127639	9620493	9162358	9636830	5.01	cps
Bismuth	209-2	8225235	8168023	8157575	8183611	0.45	cps
Bromine	81-1	15054	15435	15565	15351	1.73	cps
Bromine	81-2	483	477	463	474	2.15	cps
Cadmium	108-1	877	893	943	904	3.84	cps
Cadmium	106-1	7329	6962	6722	7004	4.36	cps
Cadmium	111-1	2851	2794	2784	2810	1.29	cps
Calcium	43-1	343676	354845	351722	350081	1.65	cps
Calcium	44-1	5443508	5553814	5551423	5516249	1.14	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	153741	154380	152434	153518	0.65	cps
Cobalt	59-2	191173	191707	189801	190894	0.52	cps
Copper	63-2	262470	261734	262202	262136	0.14	cps
Dysprosium	156-1	75860	76265	77153	76426	0.87	cps
Dysprosium	156-2	64366	65294	65355	65005	0.85	cps
Erbium	164-1	74648	75888	75650	75395	0.87	cps
Erbium	164-2	54773	54325	54355	54485	0.46	cps
Gadolinium	160-1	75207	77345	77637	76730	1.73	cps
Gadolinium	160-2	59298	58458	58853	58870	0.71	cps
Holmium	165-1	16877369	16075961	15518540	16157290	4.23	cps
Holmium	165-2	11600541	11508619	11615562	11574907	0.50	cps
Indium	115-1	13595213	12911280	12197811	12901434	5.42	cps
Indium	115-2	4883098	4932128	4879347	4898191	0.60	cps
Iron	56-2	267591016	264978303	267256076	266608465	0.53	cps
Iron	57-2	6557999	6584450	6612404	6584951	0.41	cps
Iron	54-2	14554323	14366761	14378141	14433075	0.73	cps
Krypton	83-1	293	247	327	289	13.91	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5250-05	Instrumnet Name :	P7
Client Sample ID :	MJNBZ8	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:29:50	DataFile Name :	049SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	367682	374186	370576	370815	0.88	cps
Lead	207-1	312851	318510	317560	316307	0.96	cps
Lead	208-1	1438697	1466517	1466438	1457217	1.10	cps
Lithium	6-1	2088834	1980536	1918095	1995822	4.33	cps
Magnesium	24-2	5136843	5087732	5171600	5132058	0.82	cps
Manganese	55-2	2932752	2936374	2965331	2944819	0.61	cps
Molybdenum	94-1	336357	341124	344469	340650	1.20	cps
Molybdenum	95-1	4934	5091	4931	4985	1.83	cps
Molybdenum	96-1	63708	65519	65101	64776	1.46	cps
Molybdenum	97-1	3000	3064	3074	3046	1.31	cps
Molybdenum	98-1	7369	7722	8042	7711	4.37	cps
Neodymium	150-1	114476	116641	117407	116175	1.31	cps
Neodymium	150-2	74271	72227	72988	73162	1.41	cps
Nickel	60-2	72899	72651	72500	72684	0.28	cps
Phosphorus	31-2	24717	24409	24156	24427	1.15	cps
Potassium	39-2	993435	997008	998883	996442	0.28	cps
Rhodium	103-1	12368295	11890404	11278856	11845851	4.61	cps
Rhodium	103-2	7198099	7073740	7123779	7131873	0.88	cps
Scandium	45-1	7375414	7166101	6764221	7101912	4.37	cps
Scandium	45-2	628178	625833	628291	627434	0.22	cps
Selenium	82-1	253	323	174	250	29.88	cps
Selenium	77-2	187	160	177	174	7.72	cps
Selenium	78-2	497	653	520	557	15.18	cps
Silicon	28-1	15417218	15638982	15778222	15611474	1.17	cps
Silver	107-1	1660	1500	1593	1585	5.07	cps
Silver	109-1	1063	1073	1123	1087	2.96	cps
Sodium	23-2	510603	511617	507698	509973	0.40	cps
Strontium	86-1	352744	360034	363964	358914	1.59	cps
Strontium	88-1	3180087	3297680	3236854	3238207	1.82	cps
Sulfur	34-1	158963	161038	161581	160527	0.86	cps
Terbium	159-1	17192052	16474695	15790593	16485780	4.25	cps
Terbium	159-2	11467583	11403779	11416303	11429222	0.30	cps
Thallium	203-1	2594	2804	2544	2647	5.21	cps
Thallium	205-1	6278	6262	6478	6339	1.90	cps
Tin	118-1	13700	14017	13960	13892	1.22	cps
Titanium	47-1	5738040	5858100	5876461	5824200	1.29	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5250-05	Instrumnet Name :	P7
Client Sample ID :	MJNBZ8	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:29:50	DataFile Name :	049SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	51192	51315	52035	51514	0.88	cps
Vanadium	51-2	711053	708937	706180	708723	0.34	cps
Yttrium	89-1	21306534	20539004	19761528	20535689	3.76	cps
Yttrium	89-2	5705570	5636351	5700679	5680867	0.68	cps
Zinc	66-2	246038	245793	245899	245910	0.05	cps
Zirconium	90-1	902725	932322	928121	921056	1.74	cps
Zirconium	91-1	199729	206601	207060	204463	2.01	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5250-06	Instrumnet Name :	P7
Client Sample ID :	MJNBZ2	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:33:02	DataFile Name :	050SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5725879	5681334	5700985	5702733	0.39	cps
Antimony	121-1	1710	1660	1540	1637	5.34	cps
Arsenic	75-2	6898	6898	6592	6796	2.61	cps
Barium	135-1	456091	460114	456643	457616	0.48	cps
Barium	137-1	792669	798780	797298	796249	0.40	cps
Beryllium	9-1	1163	1220	1153	1179	3.05	cps
Bismuth	209-1	9670171	9573811	9625633	9623205	0.50	cps
Bismuth	209-2	8199512	8273831	8218554	8230632	0.47	cps
Bromine	81-1	15014	15205	15074	15098	0.64	cps
Bromine	81-2	380	430	410	407	6.19	cps
Cadmium	108-1	763	830	690	761	9.20	cps
Cadmium	106-1	6965	6938	6735	6879	1.83	cps
Cadmium	111-1	1904	2019	2031	1985	3.53	cps
Calcium	43-1	441267	444998	442137	442801	0.44	cps
Calcium	44-1	6966805	7060510	7000872	7009396	0.68	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	132785	132853	133619	133086	0.35	cps
Cobalt	59-2	194209	194786	192197	193731	0.70	cps
Copper	63-2	347993	347601	346707	347433	0.19	cps
Dysprosium	156-1	102850	103709	102832	103130	0.49	cps
Dysprosium	156-2	85994	87131	87004	86710	0.72	cps
Erbium	164-1	103059	103348	103106	103171	0.15	cps
Erbium	164-2	75858	75516	76042	75805	0.35	cps
Gadolinium	160-1	106323	108227	107105	107218	0.89	cps
Gadolinium	160-2	81096	81609	80577	81094	0.64	cps
Holmium	165-1	16207763	15896101	16100304	16068056	0.99	cps
Holmium	165-2	11656014	11662152	11867080	11728415	1.02	cps
Indium	115-1	12816447	12891857	12949265	12885856	0.52	cps
Indium	115-2	4921103	4892665	4919925	4911231	0.33	cps
Iron	56-2	257485870	256587710	259583756	257885778	0.60	cps
Iron	57-2	6346191	6329707	6390766	6355554	0.50	cps
Iron	54-2	13981462	14072207	13946137	13999935	0.46	cps
Krypton	83-1	287	343	390	340	15.22	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5250-06	Instrumnet Name :	P7
Client Sample ID :	MJNBZ2	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:33:02	DataFile Name :	050SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	387289	391948	386689	388642	0.74	cps
Lead	207-1	328596	330148	330472	329739	0.30	cps
Lead	208-1	1527985	1536510	1516701	1527065	0.65	cps
Lithium	6-1	2004868	2007632	1995557	2002686	0.32	cps
Magnesium	24-2	6016665	5932405	5888617	5945896	1.09	cps
Manganese	55-2	3388983	3371587	3365752	3375441	0.36	cps
Molybdenum	94-1	316132	321198	315900	317743	0.94	cps
Molybdenum	95-1	5584	5568	5294	5482	2.97	cps
Molybdenum	96-1	61264	61565	62027	61619	0.62	cps
Molybdenum	97-1	3404	3320	3220	3315	2.77	cps
Molybdenum	98-1	8683	8302	8499	8495	2.24	cps
Neodymium	150-1	149641	152339	151894	151292	0.96	cps
Neodymium	150-2	95115	94343	93913	94457	0.64	cps
Nickel	60-2	92674	92637	92734	92682	0.05	cps
Phosphorus	31-2	37987	37756	37790	37844	0.33	cps
Potassium	39-2	713662	710099	716607	713456	0.46	cps
Rhodium	103-1	11785029	12037677	11759711	11860806	1.30	cps
Rhodium	103-2	7160132	7102497	7227312	7163313	0.87	cps
Scandium	45-1	7224063	7251460	7122938	7199487	0.94	cps
Scandium	45-2	635603	636875	644388	638955	0.74	cps
Selenium	82-1	338	209	149	232	41.83	cps
Selenium	77-2	223	223	287	244	14.96	cps
Selenium	78-2	670	703	600	658	8.02	cps
Silicon	28-1	15051428	15073985	14988981	15038131	0.29	cps
Silver	107-1	1560	1530	1520	1537	1.35	cps
Silver	109-1	930	953	990	958	3.16	cps
Sodium	23-2	565530	562250	560367	562716	0.46	cps
Strontium	86-1	320216	322354	317870	320147	0.70	cps
Strontium	88-1	2865791	2926751	2890165	2894235	1.06	cps
Sulfur	34-1	154943	157576	158930	157150	1.29	cps
Terbium	159-1	16550179	16300801	16461439	16437473	0.77	cps
Terbium	159-2	11496424	11434873	11744694	11558664	1.42	cps
Thallium	203-1	2440	2434	2314	2396	2.98	cps
Thallium	205-1	5548	5855	5561	5655	3.07	cps
Tin	118-1	20034	20916	21786	20912	4.19	cps
Titanium	47-1	4759159	4762502	4739848	4753836	0.26	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5250-06	Instrumnet Name :	P7
Client Sample ID :	MJNBZ2	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:33:02	DataFile Name :	050SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	39786	39137	39438	39454	0.82	cps
Vanadium	51-2	617599	618119	616344	617354	0.15	cps
Yttrium	89-1	20991254	21248010	20938827	21059363	0.79	cps
Yttrium	89-2	5916110	5805142	5886554	5869269	0.98	cps
Zinc	66-2	119446	117914	120427	119262	1.06	cps
Zirconium	90-1	855683	863293	859970	859648	0.44	cps
Zirconium	91-1	190135	191275	189537	190316	0.46	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5250-07	Instrumnet Name :	P7
Client Sample ID :	MJNBZ2D	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:36:16	DataFile Name :	051SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5756192	5786465	5718334	5753664	0.59	cps
Antimony	121-1	1590	1520	1600	1570	2.78	cps
Arsenic	75-2	6241	6612	6498	6450	2.94	cps
Barium	135-1	458963	463640	460110	460905	0.53	cps
Barium	137-1	791309	800608	792936	794951	0.62	cps
Beryllium	9-1	1120	1017	1193	1110	8.00	cps
Bismuth	209-1	10246850	9707840	9675853	9876848	3.25	cps
Bismuth	209-2	8283488	8196806	8245132	8241809	0.53	cps
Bromine	81-1	15018	14707	15121	14949	1.44	cps
Bromine	81-2	380	360	347	362	4.63	cps
Cadmium	108-1	860	750	813	808	6.83	cps
Cadmium	106-1	7395	6955	6952	7101	3.59	cps
Cadmium	111-1	1873	2039	1947	1953	4.28	cps
Calcium	43-1	443944	445639	444319	444634	0.20	cps
Calcium	44-1	6981502	7025389	6956188	6987693	0.50	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	136222	134315	132681	134406	1.32	cps
Cobalt	59-2	194681	194989	193369	194346	0.44	cps
Copper	63-2	349343	348894	350224	349487	0.19	cps
Dysprosium	156-1	102114	102289	103921	102775	0.97	cps
Dysprosium	156-2	86159	85401	84881	85480	0.75	cps
Erbium	164-1	102459	102385	102042	102295	0.22	cps
Erbium	164-2	74464	74229	74530	74408	0.21	cps
Gadolinium	160-1	105661	107380	105718	106253	0.92	cps
Gadolinium	160-2	80637	80017	80506	80386	0.41	cps
Holmium	165-1	17278398	15985602	16067669	16443890	4.40	cps
Holmium	165-2	11643890	11642956	11586453	11624433	0.28	cps
Indium	115-1	13842476	12960163	12901770	13234803	3.98	cps
Indium	115-2	4995936	4972622	4896908	4955155	1.04	cps
Iron	56-2	259243643	260218469	256499050	258653721	0.75	cps
Iron	57-2	6388374	6426985	6331823	6382394	0.75	cps
Iron	54-2	14218313	14061208	14065453	14114991	0.63	cps
Krypton	83-1	347	353	323	341	4.62	cps

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On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5250-07	Instrumnet Name :	P7
Client Sample ID :	MJNBZ2D	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:36:16	DataFile Name :	051SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	383081	389766	392324	388390	1.23	cps
Lead	207-1	325282	333537	328614	329144	1.26	cps
Lead	208-1	1506677	1530518	1523154	1520117	0.80	cps
Lithium	6-1	2081580	1976679	2003143	2020468	2.70	cps
Magnesium	24-2	5996260	6016144	5993488	6001964	0.21	cps
Manganese	55-2	3451928	3447904	3366325	3422052	1.41	cps
Molybdenum	94-1	317065	321873	321266	320068	0.82	cps
Molybdenum	95-1	5498	5431	5444	5458	0.65	cps
Molybdenum	96-1	60638	63166	62593	62132	2.13	cps
Molybdenum	97-1	3447	3644	3584	3558	2.83	cps
Molybdenum	98-1	8886	8849	8846	8861	0.25	cps
Neodymium	150-1	151349	152845	151446	151880	0.55	cps
Neodymium	150-2	94299	94675	94111	94362	0.30	cps
Nickel	60-2	93093	93526	93006	93208	0.30	cps
Phosphorus	31-2	37680	37683	37195	37519	0.75	cps
Potassium	39-2	724069	721652	712934	719552	0.81	cps
Rhodium	103-1	12765374	11860209	11876824	12167469	4.26	cps
Rhodium	103-2	7321651	7135885	7148289	7201942	1.44	cps
Scandium	45-1	7714707	7275032	7232275	7407338	3.61	cps
Scandium	45-2	647958	646337	644047	646114	0.30	cps
Selenium	82-1	262	298	293	284	6.77	cps
Selenium	77-2	233	283	237	251	11.13	cps
Selenium	78-2	597	737	720	684	11.17	cps
Silicon	28-1	15284698	15242035	15041935	15189556	0.85	cps
Silver	107-1	1513	1590	1590	1565	2.83	cps
Silver	109-1	930	973	930	944	2.65	cps
Sodium	23-2	574031	564589	566477	568366	0.88	cps
Strontium	86-1	318626	322306	321635	320855	0.61	cps
Strontium	88-1	2890148	2883321	2853914	2875794	0.67	cps
Sulfur	34-1	159947	160119	159708	159924	0.13	cps
Terbium	159-1	17529925	16588653	16536397	16884992	3.31	cps
Terbium	159-2	11448243	11503297	11433616	11461718	0.32	cps
Thallium	203-1	2470	2460	2247	2392	5.27	cps
Thallium	205-1	5675	5861	5828	5788	1.72	cps
Tin	118-1	20591	22065	22268	21641	4.23	cps
Titanium	47-1	4727748	4811113	4744155	4761005	0.93	cps

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On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5250-07	Instrumnet Name :	P7
Client Sample ID :	MJNBZ2D	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:36:16	DataFile Name :	051SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	39104	39987	39271	39454	1.19	cps
Vanadium	51-2	621285	616512	612850	616882	0.69	cps
Yttrium	89-1	22467595	21002029	21130163	21533262	3.77	cps
Yttrium	89-2	5978318	5884484	5839588	5900797	1.20	cps
Zinc	66-2	119880	119937	117901	119239	0.97	cps
Zirconium	90-1	851024	861922	862377	858441	0.75	cps
Zirconium	91-1	188941	192272	193320	191511	1.19	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5250-06LX5	Instrumnet Name :	P7
Client Sample ID :	MJNBZ2L	Dilution Factor :	5
Date & Time Acquired :	2024-12-27 17:39:29	DataFile Name :	052SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1099245	1093720	1100002	1097656	0.31	cps
Antimony	121-1	410	400	290	367	18.16	cps
Arsenic	75-2	1373	1290	1303	1322	3.39	cps
Barium	135-1	90841	90676	90713	90743	0.10	cps
Barium	137-1	157057	158375	157913	157782	0.42	cps
Beryllium	9-1	297	277	350	308	12.32	cps
Bismuth	209-1	9571959	9627007	9625175	9608047	0.33	cps
Bismuth	209-2	8207254	8363490	8348359	8306368	1.04	cps
Bromine	81-1	14918	15028	14757	14901	0.91	cps
Bromine	81-2	147	247	163	186	28.87	cps
Cadmium	108-1	177	193	147	172	13.73	cps
Cadmium	106-1	5151	5261	4724	5045	5.62	cps
Cadmium	111-1	1152	1126	1101	1127	2.27	cps
Calcium	43-1	89552	90109	88707	89456	0.79	cps
Calcium	44-1	1413679	1410912	1395773	1406788	0.69	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	27949	27609	27996	27851	0.76	cps
Cobalt	59-2	39395	39846	39716	39652	0.59	cps
Copper	63-2	71282	72082	70917	71427	0.83	cps
Dysprosium	156-1	19504	19931	19697	19711	1.09	cps
Dysprosium	156-2	16967	17227	17404	17200	1.28	cps
Erbium	164-1	19984	20248	20175	20136	0.68	cps
Erbium	164-2	14818	14831	14908	14852	0.33	cps
Gadolinium	160-1	20295	21136	20762	20731	2.03	cps
Gadolinium	160-2	16343	16707	16553	16534	1.10	cps
Holmium	165-1	15589359	15723906	15847472	15720246	0.82	cps
Holmium	165-2	11478023	11638571	11529779	11548791	0.71	cps
Indium	115-1	12955491	13064310	12996068	13005290	0.42	cps
Indium	115-2	4965837	4952047	4903162	4940349	0.67	cps
Iron	56-2	51604568	51702549	52327209	51878109	0.76	cps
Iron	57-2	1294868	1289012	1294512	1292797	0.25	cps
Iron	54-2	2833041	2858340	2852590	2847990	0.47	cps
Krypton	83-1	200	243	187	210	14.11	cps

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On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5250-06LX5	Instrumnet Name :	P7
Client Sample ID :	MJNBZ2L	Dilution Factor :	5
Date & Time Acquired :	2024-12-27 17:39:29	DataFile Name :	052SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	77007	77949	76701	77219	0.84	cps
Lead	207-1	64830	65001	65584	65138	0.61	cps
Lead	208-1	300276	300995	302848	301373	0.44	cps
Lithium	6-1	1975629	1984233	1988143	1982669	0.32	cps
Magnesium	24-2	1197763	1197043	1228937	1207915	1.51	cps
Manganese	55-2	663491	661380	667729	664200	0.49	cps
Molybdenum	94-1	62687	63162	63667	63172	0.78	cps
Molybdenum	95-1	1273	1273	1263	1270	0.45	cps
Molybdenum	96-1	12068	12545	12249	12287	1.96	cps
Molybdenum	97-1	730	673	827	743	10.43	cps
Molybdenum	98-1	1847	1853	1850	1850	0.18	cps
Neodymium	150-1	29384	29691	29437	29504	0.56	cps
Neodymium	150-2	18432	18215	18696	18448	1.30	cps
Nickel	60-2	19830	19316	18875	19340	2.47	cps
Phosphorus	31-2	7935	7712	7439	7695	3.23	cps
Potassium	39-2	192261	189760	191171	191064	0.66	cps
Rhodium	103-1	11990674	12047888	11891598	11976720	0.66	cps
Rhodium	103-2	7339231	7300931	7205994	7282052	0.94	cps
Scandium	45-1	7098974	7063042	7029002	7063673	0.50	cps
Scandium	45-2	627126	635063	629896	630695	0.64	cps
Selenium	82-1	225	180	203	203	11.30	cps
Selenium	77-2	37	47	43	42	12.06	cps
Selenium	78-2	577	507	467	517	10.78	cps
Silicon	28-1	3683885	3673233	3753824	3703647	1.18	cps
Silver	107-1	467	417	437	440	5.72	cps
Silver	109-1	247	273	207	242	13.85	cps
Sodium	23-2	131243	132578	131264	131695	0.58	cps
Strontium	86-1	63536	64236	64108	63960	0.58	cps
Strontium	88-1	555663	557734	557270	556889	0.20	cps
Sulfur	34-1	152741	153929	153596	153422	0.40	cps
Terbium	159-1	16330563	16134137	16299844	16254848	0.65	cps
Terbium	159-2	11542860	11402746	11310382	11418663	1.03	cps
Thallium	203-1	827	990	863	893	9.59	cps
Thallium	205-1	1927	2040	1937	1968	3.19	cps
Tin	118-1	5488	5495	5681	5555	1.98	cps
Titanium	47-1	915192	922569	923153	920305	0.48	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5250-06LX5	Instrumnet Name :	P7
Client Sample ID :	MJNBZ2L	Dilution Factor :	5
Date & Time Acquired :	2024-12-27 17:39:29	DataFile Name :	052SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	7819	7889	7816	7841	0.53	cps
Vanadium	51-2	122582	123611	124505	123566	0.78	cps
Yttrium	89-1	19879783	19870557	19913137	19887826	0.11	cps
Yttrium	89-2	5649947	5638943	5592108	5626999	0.55	cps
Zinc	66-2	24821	24353	24527	24567	0.96	cps
Zirconium	90-1	168842	170596	170666	170034	0.61	cps
Zirconium	91-1	38033	37060	37976	37689	1.45	cps

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On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5250-08	Instrumnet Name :	P7
Client Sample ID :	MJNBZ2S	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:42:46	DataFile Name :	053SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5748975	5800342	5777477	5775598	0.45	cps
Antimony	121-1	1740	1640	1543	1641	5.99	cps
Arsenic	75-2	149164	149837	147467	148823	0.82	cps
Barium	135-1	1822303	1821838	1844230	1829457	0.70	cps
Barium	137-1	3105792	3116607	3139675	3120691	0.55	cps
Beryllium	9-1	16786	16779	16836	16800	0.18	cps
Bismuth	209-1	9492166	9662366	9567297	9573943	0.89	cps
Bismuth	209-2	8256641	8123631	8334977	8238416	1.30	cps
Bromine	81-1	15034	14767	14888	14897	0.90	cps
Bromine	81-2	373	443	357	391	11.76	cps
Cadmium	108-1	22321	23052	23169	22847	2.01	cps
Cadmium	106-1	37131	36686	37131	36983	0.69	cps
Cadmium	111-1	323600	323374	323215	323396	0.06	cps
Calcium	43-1	444096	444449	445734	444760	0.19	cps
Calcium	44-1	6956242	6993753	6985541	6978512	0.28	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	338730	338909	339867	339168	0.18	cps
Cobalt	59-2	989775	990072	992983	990944	0.18	cps
Copper	63-2	620617	618193	618946	619252	0.20	cps
Dysprosium	156-1	101678	103118	102383	102393	0.70	cps
Dysprosium	156-2	85673	85457	85548	85559	0.13	cps
Erbium	164-1	100861	102798	101830	101830	0.95	cps
Erbium	164-2	73689	74232	73046	73656	0.81	cps
Gadolinium	160-1	103324	105893	104878	104698	1.24	cps
Gadolinium	160-2	79859	80379	80117	80118	0.32	cps
Holmium	165-1	15756179	16244116	16155054	16051783	1.62	cps
Holmium	165-2	11711792	11634682	11791151	11712542	0.67	cps
Indium	115-1	12554506	13264880	12944852	12921413	2.75	cps
Indium	115-2	4935890	4929746	4910003	4925213	0.27	cps
Iron	56-2	257107196	257616023	258357703	257693641	0.24	cps
Iron	57-2	6403678	6355161	6308331	6355723	0.75	cps
Iron	54-2	14061710	14011142	13932734	14001862	0.46	cps
Krypton	83-1	387	353	333	358	7.53	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5250-08	Instrumnet Name :	P7
Client Sample ID :	MJNBZ2S	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:42:46	DataFile Name :	053SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2112261	2119318	2154438	2128672	1.06	cps
Lead	207-1	1652492	1673114	1676067	1667224	0.77	cps
Lead	208-1	8085810	8135317	8074063	8098397	0.40	cps
Lithium	6-1	1974515	2024325	1992193	1997011	1.26	cps
Magnesium	24-2	5909633	5929972	5949166	5929590	0.33	cps
Manganese	55-2	3790735	3806584	3795610	3797643	0.21	cps
Molybdenum	94-1	323208	327573	326108	325630	0.68	cps
Molybdenum	95-1	18245	18358	17677	18094	2.02	cps
Molybdenum	96-1	75149	75711	75131	75330	0.44	cps
Molybdenum	97-1	11485	11438	11221	11381	1.24	cps
Molybdenum	98-1	29062	29259	28865	29062	0.68	cps
Neodymium	150-1	149031	151143	150322	150165	0.71	cps
Neodymium	150-2	92846	93605	93192	93214	0.41	cps
Nickel	60-2	295557	295135	291463	294052	0.77	cps
Phosphorus	31-2	37529	37827	37847	37734	0.47	cps
Potassium	39-2	714810	719312	714943	716355	0.36	cps
Rhodium	103-1	11760027	12194775	11990235	11981679	1.82	cps
Rhodium	103-2	7208170	7136622	7218592	7187795	0.62	cps
Scandium	45-1	7119056	7403610	7414681	7312449	2.29	cps
Scandium	45-2	643905	644594	649612	646037	0.48	cps
Selenium	82-1	44448	45361	45337	45049	1.16	cps
Selenium	77-2	5391	5291	5131	5271	2.49	cps
Selenium	78-2	17230	17427	17307	17321	0.57	cps
Silicon	28-1	14856314	14923721	14768576	14849537	0.52	cps
Silver	107-1	158212	160566	162667	160482	1.39	cps
Silver	109-1	150034	152328	153129	151830	1.06	cps
Sodium	23-2	561710	565175	562146	563010	0.34	cps
Strontium	86-1	320740	319668	321389	320599	0.27	cps
Strontium	88-1	2870974	2857739	2863124	2863945	0.23	cps
Sulfur	34-1	161567	161280	160718	161189	0.27	cps
Terbium	159-1	16114083	16826933	16683683	16541566	2.28	cps
Terbium	159-2	11514150	11474887	11392944	11460661	0.54	cps
Thallium	203-1	2298792	2321549	2283983	2301441	0.82	cps
Thallium	205-1	5403079	5438745	5450542	5430789	0.46	cps
Tin	118-1	21056	20929	21206	21063	0.66	cps
Titanium	47-1	4781275	4738870	4862599	4794248	1.31	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5250-08	Instrumnet Name :	P7
Client Sample ID :	MJNBZ2S	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:42:46	DataFile Name :	053SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	39499	38813	38436	38916	1.38	cps
Vanadium	51-2	1065784	1067882	1060820	1064829	0.34	cps
Yttrium	89-1	20752592	21401641	21285571	21146601	1.64	cps
Yttrium	89-2	5849549	5899221	5903590	5884120	0.51	cps
Zinc	66-2	219123	220128	220165	219805	0.27	cps
Zirconium	90-1	855242	860202	869789	861744	0.86	cps
Zirconium	91-1	190256	192110	193224	191863	0.78	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	PB165880BL	Instrumnet Name :	P7
Client Sample ID :	PBS880	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:45:51	DataFile Name :	054CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	457	357	280	364	24.31	cps
Antimony	121-1	63	77	63	68	11.36	cps
Arsenic	75-2	17	10	23	17	39.99	cps
Barium	135-1	470	243	190	301	49.38	cps
Barium	137-1	887	523	323	578	49.43	cps
Beryllium	9-1	93	53	60	69	31.11	cps
Bismuth	209-1	9984307	9451291	9364817	9600138	3.49	cps
Bismuth	209-2	8177826	8253664	8154599	8195363	0.63	cps
Bromine	81-1	15188	14784	14567	14846	2.12	cps
Bromine	81-2	160	167	210	179	15.18	cps
Cadmium	108-1	17	20	10	16	32.73	cps
Cadmium	106-1	4981	4561	4567	4703	5.12	cps
Cadmium	111-1	1095	978	960	1011	7.22	cps
Calcium	43-1	367	280	267	304	17.83	cps
Calcium	44-1	9059	7929	7709	8232	8.80	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1623	1600	1847	1690	8.06	cps
Cobalt	59-2	133	140	167	147	12.03	cps
Copper	63-2	1287	1393	1277	1319	4.90	cps
Dysprosium	156-1	23	23	7	18	54.11	cps
Dysprosium	156-2	13	7	3	8	65.47	cps
Erbium	164-1	90	103	80	91	12.85	cps
Erbium	164-2	50	53	70	58	18.55	cps
Gadolinium	160-1	110	83	67	87	25.22	cps
Gadolinium	160-2	533	627	710	623	14.18	cps
Holmium	165-1	16245794	15750594	15738604	15911664	1.82	cps
Holmium	165-2	11572022	11515406	11343991	11477140	1.03	cps
Indium	115-1	13395278	12964109	13034933	13131440	1.76	cps
Indium	115-2	4985902	4952833	4997979	4978905	0.47	cps
Iron	56-2	32432	30140	28591	30387	6.36	cps
Iron	57-2	1340	1510	1397	1416	6.12	cps
Iron	54-2	3270	3004	3157	3144	4.26	cps
Krypton	83-1	173	217	167	186	14.63	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	PB165880BL	Instrumnet Name :	P7
Client Sample ID :	PBS880	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:45:51	DataFile Name :	054CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1360	1020	810	1063	26.10	cps
Lead	207-1	1107	770	703	860	25.14	cps
Lead	208-1	4967	3687	3260	3971	22.37	cps
Lithium	6-1	2062584	1956537	1969972	1996365	2.89	cps
Magnesium	24-2	970	977	917	954	3.45	cps
Manganese	55-2	823	823	793	813	2.13	cps
Molybdenum	94-1	730	653	630	671	7.80	cps
Molybdenum	95-1	163	163	187	171	7.87	cps
Molybdenum	96-1	293	307	273	291	5.76	cps
Molybdenum	97-1	77	93	90	87	10.17	cps
Molybdenum	98-1	260	247	220	242	8.41	cps
Neodymium	150-1	50	40	7	32	70.41	cps
Neodymium	150-2	3	3	0	2	86.60	cps
Nickel	60-2	437	473	503	471	7.09	cps
Phosphorus	31-2	130	160	130	140	12.37	cps
Potassium	39-2	58077	58729	58743	58516	0.65	cps
Rhodium	103-1	12627276	12079645	12149842	12285588	2.43	cps
Rhodium	103-2	7422553	7304194	7295755	7340834	0.97	cps
Scandium	45-1	7385392	7086557	7063196	7178382	2.50	cps
Scandium	45-2	631539	633732	629307	631526	0.35	cps
Selenium	82-1	211	124	164	166	26.04	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	470	447	440	452	3.48	cps
Silicon	28-1	637411	636266	643131	638936	0.58	cps
Silver	107-1	383	337	273	331	16.67	cps
Silver	109-1	330	300	237	289	16.49	cps
Sodium	23-2	21548	21545	21559	21551	0.03	cps
Strontium	86-1	427	440	380	416	7.58	cps
Strontium	88-1	997	700	597	764	27.16	cps
Sulfur	34-1	150448	150977	150206	150544	0.26	cps
Terbium	159-1	17007474	16113201	15949690	16356788	3.48	cps
Terbium	159-2	11389339	11472428	11141295	11334354	1.52	cps
Thallium	203-1	1313	1093	850	1086	21.35	cps
Thallium	205-1	3107	2437	2024	2522	21.68	cps
Tin	118-1	1583	1483	1533	1533	3.26	cps
Titanium	47-1	1297	647	400	781	59.30	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	PB165880BL	Instrumnet Name :	P7
Client Sample ID :	PBS880	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:45:51	DataFile Name :	054CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	17	13	27	19	36.75	cps
Vanadium	51-2	57	63	57	59	6.53	cps
Yttrium	89-1	20562218	19692734	19529975	19928309	2.78	cps
Yttrium	89-2	5587380	5552380	5488280	5542680	0.91	cps
Zinc	66-2	323	277	357	319	12.60	cps
Zirconium	90-1	1743	1550	1403	1566	10.89	cps
Zirconium	91-1	337	353	313	334	6.01	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	PB165880BS	Instrumnet Name :	P7
Client Sample ID :	LCS880	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:49:11	DataFile Name :	055LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	11845	13077	11168	12030	8.05	cps
Antimony	121-1	49712	50010	49421	49714	0.59	cps
Arsenic	75-2	1427	1627	1490	1515	6.75	cps
Barium	135-1	61174	61974	62055	61734	0.79	cps
Barium	137-1	105981	106962	107469	106804	0.71	cps
Beryllium	9-1	3257	3097	3107	3154	2.84	cps
Bismuth	209-1	9554748	9562260	9500074	9539027	0.36	cps
Bismuth	209-2	8262572	8202238	8289919	8251576	0.54	cps
Bromine	81-1	14741	15572	15158	15157	2.74	cps
Bromine	81-2	127	147	197	157	23.01	cps
Cadmium	108-1	470	503	533	502	6.31	cps
Cadmium	106-1	5144	5041	5291	5159	2.44	cps
Cadmium	111-1	7590	7603	7517	7570	0.61	cps
Calcium	43-1	33551	33828	33864	33748	0.51	cps
Calcium	44-1	545714	547810	547086	546870	0.19	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	21162	21138	21162	21154	0.06	cps
Cobalt	59-2	15822	16155	16713	16230	2.77	cps
Copper	63-2	24981	25675	24654	25103	2.08	cps
Dysprosium	156-1	13	13	10	12	15.73	cps
Dysprosium	156-2	7	60	17	28	102.04	cps
Erbium	164-1	60	70	70	67	8.66	cps
Erbium	164-2	47	97	80	74	34.20	cps
Gadolinium	160-1	47	57	53	52	9.75	cps
Gadolinium	160-2	617	710	633	653	7.62	cps
Holmium	165-1	15902259	15396060	15688086	15662135	1.62	cps
Holmium	165-2	11461190	11632433	11621586	11571736	0.83	cps
Indium	115-1	13240424	12974619	12979420	13064821	1.16	cps
Indium	115-2	5003930	5011612	4972611	4996051	0.41	cps
Iron	56-2	2014302	2003004	1992377	2003228	0.55	cps
Iron	57-2	51451	52178	49628	51086	2.57	cps
Iron	54-2	112170	112752	110041	111654	1.28	cps
Krypton	83-1	190	223	167	193	14.73	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	PB165880BS	Instrumnet Name :	P7
Client Sample ID :	LCS880	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:49:11	DataFile Name :	055LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	18553	18960	19057	18856	1.42	cps
Lead	207-1	16323	16540	16797	16554	1.43	cps
Lead	208-1	74614	75502	76180	75432	1.04	cps
Lithium	6-1	1982701	1974033	1939770	1965501	1.16	cps
Magnesium	24-2	438271	432643	435015	435310	0.65	cps
Manganese	55-2	8986	9557	9163	9235	3.16	cps
Molybdenum	94-1	50296	50460	50032	50262	0.43	cps
Molybdenum	95-1	60916	61177	60498	60863	0.56	cps
Molybdenum	96-1	67930	68231	67291	67817	0.71	cps
Molybdenum	97-1	37622	38464	38230	38105	1.14	cps
Molybdenum	98-1	96956	98889	98895	98246	1.14	cps
Neodymium	150-1	10	17	10	12	31.50	cps
Neodymium	150-2	13	73	3	30	126.22	cps
Nickel	60-2	4514	4978	4331	4607	7.24	cps
Phosphorus	31-2	857	770	813	813	5.33	cps
Potassium	39-2	682965	674793	675404	677721	0.67	cps
Rhodium	103-1	12277324	12012184	12071188	12120232	1.15	cps
Rhodium	103-2	7389094	7332722	7240892	7320903	1.02	cps
Scandium	45-1	7124115	7006131	7060646	7063630	0.84	cps
Scandium	45-2	638787	637520	631761	636022	0.59	cps
Selenium	82-1	2156	2166	2103	2142	1.58	cps
Selenium	77-2	217	220	200	212	5.05	cps
Selenium	78-2	1157	1183	1253	1198	4.17	cps
Silicon	28-1	768728	767403	765544	767225	0.21	cps
Silver	107-1	31467	32256	31845	31856	1.24	cps
Silver	109-1	29590	30095	30890	30191	2.17	cps
Sodium	23-2	718685	714819	711914	715139	0.48	cps
Strontium	86-1	8086	8199	8139	8141	0.70	cps
Strontium	88-1	67477	67902	68780	68053	0.98	cps
Sulfur	34-1	160277	160294	163807	161460	1.26	cps
Terbium	159-1	16232416	16189792	16244734	16222314	0.18	cps
Terbium	159-2	11547179	11431813	11364141	11447711	0.81	cps
Thallium	203-1	24001	23467	23911	23793	1.20	cps
Thallium	205-1	55061	55737	55292	55363	0.62	cps
Tin	118-1	104499	104912	106392	105267	0.95	cps
Titanium	47-1	3874	3884	3764	3841	1.73	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	PB165880BS	Instrumnet Name :	P7
Client Sample ID :	LCS880	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:49:11	DataFile Name :	055LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	65805	65062	66100	65656	0.81	cps
Vanadium	51-2	46592	45000	45298	45630	1.85	cps
Yttrium	89-1	19933091	19840805	19773168	19849022	0.40	cps
Yttrium	89-2	5579001	5559063	5581348	5573138	0.22	cps
Zinc	66-2	10324	10324	10400	10349	0.43	cps
Zirconium	90-1	41495	42237	43243	42325	2.07	cps
Zirconium	91-1	9043	9033	9490	9189	2.84	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	PB165859BL	Instrumnet Name :	P7
Client Sample ID :	PBW859	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:52:30	DataFile Name :	056CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	213	193	170	192	11.28	cps
Antimony	121-1	57	60	63	60	5.55	cps
Arsenic	75-2	10	3	3	6	69.34	cps
Barium	135-1	70	63	87	73	16.39	cps
Barium	137-1	93	110	77	93	17.86	cps
Beryllium	9-1	63	83	77	74	13.68	cps
Bismuth	209-1	9557536	9421613	9406733	9461961	0.88	cps
Bismuth	209-2	8216036	8248316	8281178	8248510	0.39	cps
Bromine	81-1	14824	14831	14804	14820	0.09	cps
Bromine	81-2	187	167	170	174	6.14	cps
Cadmium	108-1	23	7	7	12	78.69	cps
Cadmium	106-1	4654	4447	4584	4562	2.30	cps
Cadmium	111-1	948	912	946	935	2.17	cps
Calcium	43-1	217	250	290	252	14.56	cps
Calcium	44-1	7752	7235	7315	7434	3.74	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1567	1460	1600	1542	4.74	cps
Cobalt	59-2	143	133	107	128	14.83	cps
Copper	63-2	1287	1337	1380	1335	3.50	cps
Dysprosium	156-1	20	10	13	14	35.26	cps
Dysprosium	156-2	3	0	3	2	86.60	cps
Erbium	164-1	77	77	70	74	5.17	cps
Erbium	164-2	70	53	60	61	13.73	cps
Gadolinium	160-1	57	47	37	47	21.43	cps
Gadolinium	160-2	687	667	700	684	2.45	cps
Holmium	165-1	15776462	15462800	15509371	15582878	1.09	cps
Holmium	165-2	11505722	11500079	11527663	11511154	0.13	cps
Indium	115-1	13125020	13013030	12935581	13024544	0.73	cps
Indium	115-2	5044014	5026506	4977508	5016009	0.69	cps
Iron	56-2	20224	20013	19910	20049	0.80	cps
Iron	57-2	1157	1237	1170	1188	3.61	cps
Iron	54-2	2834	2704	2714	2750	2.63	cps
Krypton	83-1	143	270	240	218	30.39	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	PB165859BL	Instrumnet Name :	P7
Client Sample ID :	PBW859	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:52:30	DataFile Name :	056CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	707	640	660	669	5.11	cps
Lead	207-1	557	497	633	562	12.18	cps
Lead	208-1	2567	2460	2633	2553	3.42	cps
Lithium	6-1	1997186	1925466	2002982	1975212	2.19	cps
Magnesium	24-2	873	953	907	911	4.41	cps
Manganese	55-2	767	667	683	706	7.59	cps
Molybdenum	94-1	373	407	410	397	5.11	cps
Molybdenum	95-1	150	113	143	136	14.41	cps
Molybdenum	96-1	193	227	340	253	30.35	cps
Molybdenum	97-1	103	110	110	108	3.57	cps
Molybdenum	98-1	273	273	280	276	1.40	cps
Neodymium	150-1	13	13	7	11	34.61	cps
Neodymium	150-2	0	7	3	3	100.05	cps
Nickel	60-2	617	503	473	531	14.23	cps
Phosphorus	31-2	183	143	93	140	32.21	cps
Potassium	39-2	59181	59676	59074	59310	0.54	cps
Rhodium	103-1	12126630	12027536	12001254	12051806	0.55	cps
Rhodium	103-2	7365794	7310826	7339179	7338600	0.37	cps
Scandium	45-1	7057450	7072389	7022794	7050878	0.36	cps
Scandium	45-2	637743	642245	636137	638708	0.50	cps
Selenium	82-1	255	45	69	123	93.80	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	500	527	483	503	4.34	cps
Silicon	28-1	654482	656203	653418	654701	0.21	cps
Silver	107-1	293	300	287	293	2.27	cps
Silver	109-1	213	223	197	211	6.38	cps
Sodium	23-2	21048	20764	20921	20911	0.68	cps
Strontium	86-1	373	357	407	379	6.72	cps
Strontium	88-1	407	327	407	380	12.16	cps
Sulfur	34-1	164939	164699	167739	165792	1.02	cps
Terbium	159-1	16041548	16074088	16001008	16038881	0.23	cps
Terbium	159-2	11270650	11527557	11392644	11396951	1.13	cps
Thallium	203-1	580	590	503	558	8.50	cps
Thallium	205-1	1337	1360	1260	1319	3.97	cps
Tin	118-1	1540	1433	1503	1492	3.63	cps
Titanium	47-1	87	50	103	80	34.11	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	PB165859BL	Instrumnet Name :	P7
Client Sample ID :	PBW859	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:52:30	DataFile Name :	056CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	30	30	20	27	21.65	cps
Vanadium	51-2	13	40	23	26	52.73	cps
Yttrium	89-1	19499572	19544810	19388066	19477482	0.41	cps
Yttrium	89-2	5540381	5579457	5514526	5544788	0.59	cps
Zinc	66-2	513	513	487	504	3.05	cps
Zirconium	90-1	923	870	967	920	5.26	cps
Zirconium	91-1	227	237	230	231	2.20	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	PB165859BS	Instrumnet Name :	P7
Client Sample ID :	LCS859	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:55:52	DataFile Name :	057LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	12125	12008	12038	12057	0.50	cps
Antimony	121-1	49953	51144	51863	50987	1.89	cps
Arsenic	75-2	1600	1463	1487	1517	4.82	cps
Barium	135-1	63039	63678	63862	63526	0.68	cps
Barium	137-1	108853	110179	111127	110053	1.04	cps
Beryllium	9-1	3360	3297	3354	3337	1.04	cps
Bismuth	209-1	9947199	9462155	9433517	9614290	3.00	cps
Bismuth	209-2	8320242	8246630	8307151	8291341	0.47	cps
Bromine	81-1	15211	14778	15358	15116	2.00	cps
Bromine	81-2	147	167	163	159	6.74	cps
Cadmium	108-1	423	510	483	472	9.40	cps
Cadmium	106-1	6061	5448	5034	5514	9.37	cps
Cadmium	111-1	7839	8203	8121	8054	2.37	cps
Calcium	43-1	34068	35786	35976	35277	2.98	cps
Calcium	44-1	556350	574643	578526	569840	2.08	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	22914	22377	22467	22586	1.27	cps
Cobalt	59-2	17454	17333	17363	17383	0.36	cps
Copper	63-2	26450	25769	25989	26069	1.33	cps
Dysprosium	156-1	13	13	30	19	50.96	cps
Dysprosium	156-2	20	13	10	14	35.26	cps
Erbium	164-1	53	70	90	71	25.82	cps
Erbium	164-2	47	60	57	54	12.74	cps
Gadolinium	160-1	53	37	40	43	20.34	cps
Gadolinium	160-2	660	660	693	671	2.87	cps
Holmium	165-1	16419648	15865505	15669176	15984776	2.43	cps
Holmium	165-2	11477737	11571927	11470722	11506795	0.49	cps
Indium	115-1	13891629	12996601	13007959	13298730	3.86	cps
Indium	115-2	5119193	5070078	4970096	5053123	1.50	cps
Iron	56-2	2115019	2102107	2114835	2110653	0.35	cps
Iron	57-2	53140	53281	53662	53361	0.51	cps
Iron	54-2	117252	118229	117023	117501	0.55	cps
Krypton	83-1	177	237	210	208	14.47	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	PB165859BS	Instrumnet Name :	P7
Client Sample ID :	LCS859	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:55:52	DataFile Name :	057LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	19047	20178	19898	19708	2.99	cps
Lead	207-1	17024	17094	17378	17165	1.09	cps
Lead	208-1	76397	78555	78622	77858	1.63	cps
Lithium	6-1	2094255	1959516	1955637	2003136	3.94	cps
Magnesium	24-2	463019	458277	457095	459463	0.68	cps
Manganese	55-2	9490	9653	9266	9470	2.05	cps
Molybdenum	94-1	50724	52758	52497	51993	2.13	cps
Molybdenum	95-1	61913	63376	63838	63043	1.59	cps
Molybdenum	96-1	69404	72106	71443	70984	1.98	cps
Molybdenum	97-1	38297	39580	40282	39386	2.56	cps
Molybdenum	98-1	99543	104410	102919	102291	2.44	cps
Neodymium	150-1	17	10	7	11	45.82	cps
Neodymium	150-2	3	7	10	7	50.03	cps
Nickel	60-2	4564	4657	4671	4631	1.26	cps
Phosphorus	31-2	797	853	813	821	3.55	cps
Potassium	39-2	715680	716018	712170	714623	0.30	cps
Rhodium	103-1	12892750	12155860	12079434	12376015	3.63	cps
Rhodium	103-2	7353987	7429764	7259840	7347864	1.16	cps
Scandium	45-1	7511770	7061010	7090902	7221227	3.49	cps
Scandium	45-2	644284	642263	641224	642590	0.24	cps
Selenium	82-1	2234	2133	2120	2163	2.87	cps
Selenium	77-2	237	230	240	236	2.16	cps
Selenium	78-2	1250	1133	1327	1237	7.87	cps
Silicon	28-1	781265	789863	794735	788621	0.86	cps
Silver	107-1	32924	32974	34000	33299	1.82	cps
Silver	109-1	30399	31250	31561	31070	1.94	cps
Sodium	23-2	756600	748940	754480	753340	0.53	cps
Strontium	86-1	8616	9150	8609	8792	3.53	cps
Strontium	88-1	70110	72008	71164	71094	1.34	cps
Sulfur	34-1	173478	175003	178287	175589	1.40	cps
Terbium	159-1	17059993	16343144	16069206	16490781	3.10	cps
Terbium	159-2	11425936	11347241	11411853	11395010	0.37	cps
Thallium	203-1	23444	24485	24853	24261	3.01	cps
Thallium	205-1	55285	58291	57879	57152	2.85	cps
Tin	118-1	107615	108595	108736	108315	0.56	cps
Titanium	47-1	3874	3690	4154	3906	5.98	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	PB165859BS	Instrumnet Name :	P7
Client Sample ID :	LCS859	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 17:55:52	DataFile Name :	057LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	65601	67792	68207	67200	2.08	cps
Vanadium	51-2	47558	47979	46980	47506	1.06	cps
Yttrium	89-1	20747343	19916153	19689670	20117722	2.77	cps
Yttrium	89-2	5626016	5620310	5599117	5615148	0.25	cps
Zinc	66-2	11091	10997	10877	10989	0.97	cps
Zirconium	90-1	41589	44002	43641	43078	3.02	cps
Zirconium	91-1	9223	9753	9790	9589	3.31	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	CCV013	Instrumnet Name :	P7
Client Sample ID :	CCV013	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:01:58	DataFile Name :	059CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	13647415	13758959	13625271	13677215	0.52	cps
Antimony	121-1	5862838	5921457	5941913	5908736	0.69	cps
Arsenic	75-2	289715	289168	286910	288597	0.52	cps
Barium	135-1	7613339	7727758	7644551	7661883	0.77	cps
Barium	137-1	13258004	13153865	13166984	13192951	0.43	cps
Beryllium	9-1	699534	705792	710547	705291	0.78	cps
Bismuth	209-1	8921875	8955383	8931990	8936416	0.19	cps
Bismuth	209-2	7400768	7476295	7347343	7408135	0.87	cps
Bromine	81-1	12545	12545	12442	12511	0.48	cps
Bromine	81-2	123	113	127	121	5.73	cps
Cadmium	108-1	105799	106997	106658	106485	0.58	cps
Cadmium	106-1	153643	153952	153474	153690	0.16	cps
Cadmium	111-1	1430945	1450960	1453956	1445287	0.87	cps
Calcium	43-1	7400169	7357524	7466601	7408098	0.74	cps
Calcium	44-1	118285832	118029932	118508502	118274755	0.20	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2270143	2237721	2257322	2255062	0.72	cps
Cobalt	59-2	3426156	3427077	3447779	3433671	0.36	cps
Copper	63-2	23928014	24021719	24038342	23996025	0.25	cps
Dysprosium	156-1	290	200	250	247	18.28	cps
Dysprosium	156-2	657	587	600	614	6.05	cps
Erbium	164-1	333	317	290	313	6.98	cps
Erbium	164-2	247	203	270	240	14.10	cps
Gadolinium	160-1	250	280	267	266	5.66	cps
Gadolinium	160-2	807	753	733	764	4.96	cps
Holmium	165-1	15527786	15276726	15349699	15384737	0.84	cps
Holmium	165-2	11185768	11238630	10997654	11140684	1.14	cps
Indium	115-1	11695662	11599555	11435465	11576894	1.14	cps
Indium	115-2	4327034	4374970	4298422	4333475	0.89	cps
Iron	56-2	529347072	528264219	526749512	528120268	0.25	cps
Iron	57-2	13249235	13158872	13038975	13149027	0.80	cps
Iron	54-2	28742559	28714341	28499199	28652033	0.46	cps
Krypton	83-1	203	223	247	224	9.66	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	CCV013	Instrumnet Name :	P7
Client Sample ID :	CCV013	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:01:58	DataFile Name :	059CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	22983518	23172690	23606158	23254122	1.37	cps
Lead	207-1	20139476	20600582	20650575	20463544	1.38	cps
Lead	208-1	92264298	93841827	94392177	93499434	1.18	cps
Lithium	6-1	1914656	1891600	1908870	1905042	0.63	cps
Magnesium	24-2	101857762	102315538	102084452	102085917	0.22	cps
Manganese	55-2	18456802	18425167	18399521	18427163	0.16	cps
Molybdenum	94-1	19917157	19952988	19840499	19903548	0.29	cps
Molybdenum	95-1	28913531	29015642	28959539	28962904	0.18	cps
Molybdenum	96-1	32067867	31995852	32205922	32089880	0.33	cps
Molybdenum	97-1	18207407	18133536	18085712	18142218	0.34	cps
Molybdenum	98-1	46470124	46698066	46732331	46633507	0.31	cps
Neodymium	150-1	530	453	437	473	10.52	cps
Neodymium	150-2	140	157	153	150	5.88	cps
Nickel	60-2	818595	818717	820868	819393	0.16	cps
Phosphorus	31-2	119871	118239	119471	119194	0.71	cps
Potassium	39-2	66154516	66101796	66454059	66236790	0.29	cps
Rhodium	103-1	10235367	10139518	10139869	10171585	0.54	cps
Rhodium	103-2	6115274	6185806	6097081	6132720	0.76	cps
Scandium	45-1	6334314	6260614	6271055	6288661	0.63	cps
Scandium	45-2	550505	551401	551203	551037	0.09	cps
Selenium	82-1	84602	85077	84673	84784	0.30	cps
Selenium	77-2	9050	9046	9386	9161	2.13	cps
Selenium	78-2	30992	31086	31143	31074	0.24	cps
Silicon	28-1	7436469	7517248	7444695	7466138	0.60	cps
Silver	107-1	7129701	7145860	7109471	7128344	0.26	cps
Silver	109-1	6827824	6810305	6808974	6815701	0.15	cps
Sodium	23-2	165743188	167750991	167633121	167042433	0.67	cps
Strontium	86-1	1835564	1871858	1810708	1839377	1.67	cps
Strontium	88-1	15874854	16137080	16105577	16039170	0.89	cps
Sulfur	34-1	553818	550875	555052	553248	0.39	cps
Terbium	159-1	15671791	15472116	15770239	15638049	0.97	cps
Terbium	159-2	10999154	11066244	10760498	10941965	1.47	cps
Thallium	203-1	5873106	5927100	5979408	5926538	0.90	cps
Thallium	205-1	13718274	13909447	14031258	13886327	1.14	cps
Tin	118-1	4794546	4858438	4851025	4834670	0.72	cps
Titanium	47-1	6994246	6941187	6896458	6943963	0.70	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	CCV013	Instrumnet Name :	P7
Client Sample ID :	CCV013	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:01:58	DataFile Name :	059CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	18391485	18439593	18531553	18454210	0.39	cps
Vanadium	51-2	2019383	2002342	2010166	2010630	0.42	cps
Yttrium	89-1	17763409	17955871	17850462	17856580	0.54	cps
Yttrium	89-2	4911189	4994362	4972240	4959264	0.87	cps
Zinc	66-2	4156022	4111223	4117674	4128306	0.59	cps
Zirconium	90-1	9778352	10002237	9813852	9864814	1.22	cps
Zirconium	91-1	2147343	2208975	2181686	2179335	1.42	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	CCB013	Instrumnet Name :	P7
Client Sample ID :	CCB013	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:11:22	DataFile Name :	062CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	213	287	263	254	14.72	cps
Antimony	121-1	347	407	307	353	14.24	cps
Arsenic	75-2	3	10	3	6	69.34	cps
Barium	135-1	50	53	33	46	23.52	cps
Barium	137-1	100	107	100	102	3.77	cps
Beryllium	9-1	97	77	93	89	12.05	cps
Bismuth	209-1	9623115	9722222	9735770	9693702	0.63	cps
Bismuth	209-2	8321512	8364676	8252853	8313013	0.68	cps
Bromine	81-1	13857	14194	14354	14135	1.80	cps
Bromine	81-2	263	230	267	253	8.00	cps
Cadmium	108-1	17	10	3	10	66.70	cps
Cadmium	106-1	4534	4444	4394	4457	1.59	cps
Cadmium	111-1	952	905	893	917	3.38	cps
Calcium	43-1	243	247	200	230	11.32	cps
Calcium	44-1	6985	6848	6682	6838	2.22	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2030	1933	2220	2061	7.08	cps
Cobalt	59-2	140	177	147	154	12.65	cps
Copper	63-2	1393	1420	1417	1410	1.03	cps
Dysprosium	156-1	10	13	17	13	25.01	cps
Dysprosium	156-2	13	7	3	8	65.47	cps
Erbium	164-1	97	73	90	87	13.87	cps
Erbium	164-2	57	63	43	54	18.71	cps
Gadolinium	160-1	57	53	60	57	5.89	cps
Gadolinium	160-2	647	610	623	627	2.96	cps
Holmium	165-1	15767294	15888210	15636521	15764008	0.80	cps
Holmium	165-2	11599187	11555342	11431014	11528514	0.76	cps
Indium	115-1	12764843	12778855	12817196	12786965	0.21	cps
Indium	115-2	4877360	4857462	4848959	4861260	0.30	cps
Iron	56-2	21222	21746	21712	21560	1.36	cps
Iron	57-2	1130	1047	1080	1086	3.86	cps
Iron	54-2	2580	2647	2624	2617	1.29	cps
Krypton	83-1	203	157	167	176	14.00	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	CCB013	Instrumnet Name :	P7
Client Sample ID :	CCB013	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:11:22	DataFile Name :	062CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	640	620	660	640	3.12	cps
Lead	207-1	500	450	513	488	6.85	cps
Lead	208-1	2307	2427	2533	2422	4.68	cps
Lithium	6-1	2026692	2052963	2020275	2033310	0.85	cps
Magnesium	24-2	980	947	897	941	4.46	cps
Manganese	55-2	333	363	297	331	10.08	cps
Molybdenum	94-1	477	607	497	527	13.29	cps
Molybdenum	95-1	367	340	343	350	4.15	cps
Molybdenum	96-1	437	463	457	452	3.07	cps
Molybdenum	97-1	253	253	253	253	0.00	cps
Molybdenum	98-1	640	587	600	609	4.56	cps
Neodymium	150-1	13	13	10	12	15.73	cps
Neodymium	150-2	0	0	10	3	173.21	cps
Nickel	60-2	597	617	703	639	8.88	cps
Phosphorus	31-2	150	130	107	129	16.83	cps
Potassium	39-2	54490	53955	53554	54000	0.87	cps
Rhodium	103-1	11743166	11639511	11663232	11681970	0.46	cps
Rhodium	103-2	7171133	7131621	7143254	7148669	0.28	cps
Scandium	45-1	6763016	6714136	6715368	6730840	0.41	cps
Scandium	45-2	594187	597682	594947	595605	0.31	cps
Selenium	82-1	102	141	121	121	16.21	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	470	473	450	464	2.72	cps
Silicon	28-1	543818	551047	545882	546915	0.68	cps
Silver	107-1	257	213	193	221	14.64	cps
Silver	109-1	133	107	123	121	11.12	cps
Sodium	23-2	23805	24329	24206	24113	1.14	cps
Strontium	86-1	317	290	353	320	9.94	cps
Strontium	88-1	230	240	227	232	2.99	cps
Sulfur	34-1	180738	180374	179730	180281	0.28	cps
Terbium	159-1	16237166	16192552	16408788	16279502	0.70	cps
Terbium	159-2	11371314	11393245	11207071	11323877	0.90	cps
Thallium	203-1	643	590	640	624	4.78	cps
Thallium	205-1	1500	1507	1603	1537	3.76	cps
Tin	118-1	1333	1243	1213	1263	4.94	cps
Titanium	47-1	110	87	123	107	17.40	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	CCB013	Instrumnet Name :	P7
Client Sample ID :	CCB013	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:11:22	DataFile Name :	062CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	33	13	40	29	48.05	cps
Vanadium	51-2	30	20	10	20	50.00	cps
Yttrium	89-1	19145541	19074122	18968518	19062727	0.47	cps
Yttrium	89-2	5374492	5315153	5294156	5327934	0.78	cps
Zinc	66-2	227	280	333	280	19.05	cps
Zirconium	90-1	760	893	793	816	8.51	cps
Zirconium	91-1	217	173	153	181	17.87	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	PB165867BL	Instrumnet Name :	P7
Client Sample ID :	PBS867	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:14:43	DataFile Name :	063CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	207	210	203	207	1.61	cps
Antimony	121-1	193	230	313	246	25.04	cps
Arsenic	75-2	17	0	10	9	94.38	cps
Barium	135-1	47	73	60	60	22.22	cps
Barium	137-1	127	100	107	111	12.49	cps
Beryllium	9-1	83	80	103	89	14.20	cps
Bismuth	209-1	9708964	9732295	9653292	9698184	0.42	cps
Bismuth	209-2	8350378	8239346	8313811	8301178	0.68	cps
Bromine	81-1	14080	14347	14791	14406	2.49	cps
Bromine	81-2	137	157	167	153	9.96	cps
Cadmium	108-1	13	10	10	11	17.30	cps
Cadmium	106-1	4774	4617	4654	4682	1.75	cps
Cadmium	111-1	962	930	934	942	1.87	cps
Calcium	43-1	313	267	270	283	9.19	cps
Calcium	44-1	6662	6868	6825	6785	1.61	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1360	1313	1347	1340	1.79	cps
Cobalt	59-2	133	123	143	133	7.50	cps
Copper	63-2	1233	1170	1287	1230	4.75	cps
Dysprosium	156-1	20	13	13	16	24.76	cps
Dysprosium	156-2	0	7	7	4	86.60	cps
Erbium	164-1	53	97	73	74	29.14	cps
Erbium	164-2	60	50	70	60	16.67	cps
Gadolinium	160-1	50	37	60	49	23.94	cps
Gadolinium	160-2	650	670	667	662	1.62	cps
Holmium	165-1	15659206	15617477	15607469	15628051	0.18	cps
Holmium	165-2	11615600	11536604	11527872	11560025	0.42	cps
Indium	115-1	12720856	12790397	12714569	12741941	0.33	cps
Indium	115-2	4939993	4914311	4866705	4907003	0.76	cps
Iron	56-2	18211	18335	18445	18330	0.64	cps
Iron	57-2	1037	993	1073	1034	3.87	cps
Iron	54-2	2430	2374	2537	2447	3.39	cps
Krypton	83-1	217	220	237	224	4.77	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	PB165867BL	Instrumnet Name :	P7
Client Sample ID :	PBS867	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:14:43	DataFile Name :	063CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	707	627	560	631	11.64	cps
Lead	207-1	487	557	477	507	8.60	cps
Lead	208-1	2410	2363	2340	2371	1.50	cps
Lithium	6-1	2006679	1998697	1998386	2001254	0.23	cps
Magnesium	24-2	920	707	900	842	13.99	cps
Manganese	55-2	653	703	657	671	4.17	cps
Molybdenum	94-1	457	363	403	408	11.48	cps
Molybdenum	95-1	230	233	240	234	2.17	cps
Molybdenum	96-1	267	300	300	289	6.66	cps
Molybdenum	97-1	180	137	150	156	14.27	cps
Molybdenum	98-1	360	353	390	368	5.31	cps
Neodymium	150-1	10	7	20	12	56.76	cps
Neodymium	150-2	3	10	7	7	50.03	cps
Nickel	60-2	463	430	477	457	5.26	cps
Phosphorus	31-2	183	150	150	161	11.95	cps
Potassium	39-2	55658	53330	55320	54769	2.30	cps
Rhodium	103-1	11766098	11824523	11774204	11788275	0.27	cps
Rhodium	103-2	7209889	7184239	7193029	7195719	0.18	cps
Scandium	45-1	6841256	6828111	6788297	6819222	0.40	cps
Scandium	45-2	609071	604287	602216	605191	0.58	cps
Selenium	82-1	149	152	129	143	8.70	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	443	433	383	420	7.65	cps
Silicon	28-1	570786	573291	572731	572269	0.23	cps
Silver	107-1	160	177	110	149	23.30	cps
Silver	109-1	160	113	93	122	27.99	cps
Sodium	23-2	20988	20657	20617	20754	0.98	cps
Strontium	86-1	343	330	350	341	2.99	cps
Strontium	88-1	317	330	300	316	4.76	cps
Sulfur	34-1	182313	184911	184671	183965	0.78	cps
Terbium	159-1	16211517	16210485	15984803	16135602	0.81	cps
Terbium	159-2	11318719	11193383	11350058	11287387	0.73	cps
Thallium	203-1	517	477	567	520	8.67	cps
Thallium	205-1	1310	1457	1467	1411	6.22	cps
Tin	118-1	1650	1360	1493	1501	9.67	cps
Titanium	47-1	87	57	67	70	21.82	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	PB165867BL	Instrumnet Name :	P7
Client Sample ID :	PBS867	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:14:43	DataFile Name :	063CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	10	30	17	19	53.91	cps
Vanadium	51-2	7	7	13	9	43.25	cps
Yttrium	89-1	18939109	19248032	19335068	19174070	1.09	cps
Yttrium	89-2	5402108	5373351	5392441	5389300	0.27	cps
Zinc	66-2	283	280	303	289	4.37	cps
Zirconium	90-1	760	763	863	796	7.38	cps
Zirconium	91-1	120	143	193	152	24.61	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	PB165867BS	Instrumnet Name :	P7
Client Sample ID :	LCS867	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:18:03	DataFile Name :	064LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	10957	10911	10831	10900	0.59	cps
Antimony	121-1	46746	46398	46809	46651	0.47	cps
Arsenic	75-2	1353	1440	1300	1365	5.18	cps
Barium	135-1	57964	57227	57134	57442	0.79	cps
Barium	137-1	100441	99348	99005	99598	0.75	cps
Beryllium	9-1	3120	3204	2987	3104	3.52	cps
Bismuth	209-1	9528337	9662512	9689463	9626771	0.90	cps
Bismuth	209-2	8277848	8225464	8145359	8216224	0.81	cps
Bromine	81-1	14240	14671	13847	14253	2.89	cps
Bromine	81-2	130	150	107	129	16.83	cps
Cadmium	108-1	520	447	440	469	9.47	cps
Cadmium	106-1	5538	5188	5018	5248	5.05	cps
Cadmium	111-1	7082	7260	7298	7214	1.60	cps
Calcium	43-1	31837	31162	31062	31354	1.34	cps
Calcium	44-1	507102	507642	509033	507926	0.20	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	19813	19279	19079	19390	1.96	cps
Cobalt	59-2	15161	15561	15038	15253	1.80	cps
Copper	63-2	22537	22604	22841	22661	0.70	cps
Dysprosium	156-1	7	10	3	7	50.03	cps
Dysprosium	156-2	23	17	3	14	70.51	cps
Erbium	164-1	67	70	97	78	21.14	cps
Erbium	164-2	70	70	63	68	5.68	cps
Gadolinium	160-1	47	37	47	43	13.32	cps
Gadolinium	160-2	710	683	680	691	2.38	cps
Holmium	165-1	15841181	15643098	15663934	15716071	0.69	cps
Holmium	165-2	11397386	11501527	11453832	11450915	0.46	cps
Indium	115-1	12690050	12724874	12852915	12755947	0.67	cps
Indium	115-2	4946220	4943750	4903744	4931238	0.48	cps
Iron	56-2	1850331	1823109	1810288	1827909	1.12	cps
Iron	57-2	46890	45736	46629	46418	1.30	cps
Iron	54-2	103083	102922	101405	102470	0.90	cps
Krypton	83-1	170	210	200	193	10.77	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	PB165867BS	Instrumnet Name :	P7
Client Sample ID :	LCS867	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:18:03	DataFile Name :	064LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	17892	18429	18019	18113	1.55	cps
Lead	207-1	15839	16080	16307	16075	1.45	cps
Lead	208-1	71694	72753	72883	72443	0.90	cps
Lithium	6-1	2016128	2020135	1996854	2011039	0.62	cps
Magnesium	24-2	403056	403665	402980	403234	0.09	cps
Manganese	55-2	8272	8416	8529	8406	1.53	cps
Molybdenum	94-1	46032	46119	46654	46268	0.73	cps
Molybdenum	95-1	56214	57365	57221	56933	1.10	cps
Molybdenum	96-1	63232	64049	63634	63639	0.64	cps
Molybdenum	97-1	35142	34918	35239	35100	0.47	cps
Molybdenum	98-1	91300	91534	92326	91720	0.59	cps
Neodymium	150-1	10	23	3	12	83.33	cps
Neodymium	150-2	10	3	10	8	49.52	cps
Nickel	60-2	4277	4217	4114	4203	1.97	cps
Phosphorus	31-2	787	707	800	764	6.60	cps
Potassium	39-2	620633	623641	621666	621980	0.25	cps
Rhodium	103-1	11775642	11915476	11889667	11860262	0.63	cps
Rhodium	103-2	7216679	7191695	7198889	7202421	0.18	cps
Scandium	45-1	6833367	6919244	6898910	6883840	0.65	cps
Scandium	45-2	616211	614834	608983	613343	0.63	cps
Selenium	82-1	2048	2037	1913	1999	3.75	cps
Selenium	77-2	227	247	197	223	11.27	cps
Selenium	78-2	1027	1307	1127	1153	12.30	cps
Silicon	28-1	691283	698085	702870	697412	0.83	cps
Silver	107-1	29189	29781	29350	29440	1.04	cps
Silver	109-1	27763	28268	28164	28065	0.95	cps
Sodium	23-2	665755	661205	662916	663292	0.35	cps
Strontium	86-1	7779	7765	7585	7710	1.40	cps
Strontium	88-1	64471	63412	64149	64011	0.85	cps
Sulfur	34-1	187016	189624	190036	188892	0.87	cps
Terbium	159-1	15869344	16186243	16150041	16068543	1.08	cps
Terbium	159-2	11402202	11354508	11306195	11354301	0.42	cps
Thallium	203-1	22161	22519	22412	22364	0.82	cps
Thallium	205-1	52999	53832	52973	53268	0.92	cps
Tin	118-1	97648	98067	98155	97957	0.28	cps
Titanium	47-1	3504	3594	3454	3517	2.02	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	PB165867BS	Instrumnet Name :	P7
Client Sample ID :	LCS867	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:18:03	DataFile Name :	064LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	62844	62808	64224	63292	1.28	cps
Vanadium	51-2	42132	41544	41477	41717	0.86	cps
Yttrium	89-1	19086561	19322173	19457936	19288890	0.97	cps
Yttrium	89-2	5514608	5453476	5412818	5460301	0.94	cps
Zinc	66-2	9817	10007	9670	9831	1.72	cps
Zirconium	90-1	39052	39252	38818	39041	0.56	cps
Zirconium	91-1	8643	8386	8839	8623	2.64	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	PB165866BL	Instrumnet Name :	P7
Client Sample ID :	PBS866	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:21:27	DataFile Name :	065CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	270	303	337	303	10.99	cps
Antimony	121-1	107	163	110	127	25.11	cps
Arsenic	75-2	0	7	0	2	173.21	cps
Barium	135-1	93	87	60	80	22.05	cps
Barium	137-1	73	90	113	92	21.79	cps
Beryllium	9-1	83	63	90	79	17.59	cps
Bismuth	209-1	9642158	9593479	9560013	9598550	0.43	cps
Bismuth	209-2	8165900	8188169	8345820	8233296	1.19	cps
Bromine	81-1	14434	14704	14424	14521	1.09	cps
Bromine	81-2	93	140	167	133	27.84	cps
Cadmium	108-1	10	7	20	12	56.76	cps
Cadmium	106-1	4874	4651	4501	4675	4.02	cps
Cadmium	111-1	981	952	910	948	3.80	cps
Calcium	43-1	273	277	220	257	12.39	cps
Calcium	44-1	7158	6905	6998	7021	1.83	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1503	1347	1367	1406	6.07	cps
Cobalt	59-2	123	113	153	130	16.02	cps
Copper	63-2	1137	1237	1097	1157	6.23	cps
Dysprosium	156-1	0	13	17	10	88.20	cps
Dysprosium	156-2	7	10	7	8	24.71	cps
Erbium	164-1	83	53	53	63	27.35	cps
Erbium	164-2	57	47	57	53	10.82	cps
Gadolinium	160-1	67	43	57	56	21.08	cps
Gadolinium	160-2	630	693	657	660	4.82	cps
Holmium	165-1	15515242	15676858	15551347	15581149	0.54	cps
Holmium	165-2	11428249	11422244	11428307	11426267	0.03	cps
Indium	115-1	12855686	12749039	12870263	12824996	0.52	cps
Indium	115-2	4979318	4926441	4959258	4955006	0.54	cps
Iron	56-2	19196	19666	19269	19377	1.31	cps
Iron	57-2	1040	1093	1147	1093	4.88	cps
Iron	54-2	2437	2444	2460	2447	0.49	cps
Krypton	83-1	227	213	223	221	3.14	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	PB165866BL	Instrumnet Name :	P7
Client Sample ID :	PBS866	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:21:27	DataFile Name :	065CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	557	583	553	564	2.91	cps
Lead	207-1	570	490	460	507	11.22	cps
Lead	208-1	2387	2257	2100	2248	6.39	cps
Lithium	6-1	1998879	2022482	1984651	2002004	0.95	cps
Magnesium	24-2	870	920	917	902	3.10	cps
Manganese	55-2	603	667	687	652	6.67	cps
Molybdenum	94-1	1380	1387	1380	1382	0.28	cps
Molybdenum	95-1	230	213	123	189	30.38	cps
Molybdenum	96-1	533	453	440	476	10.61	cps
Molybdenum	97-1	130	147	143	140	6.30	cps
Molybdenum	98-1	360	343	363	356	3.01	cps
Neodymium	150-1	13	0	10	8	89.21	cps
Neodymium	150-2	7	0	3	3	100.05	cps
Nickel	60-2	480	430	450	453	5.55	cps
Phosphorus	31-2	160	140	143	148	7.25	cps
Potassium	39-2	56156	56287	56036	56160	0.22	cps
Rhodium	103-1	12029659	11813890	11827523	11890357	1.02	cps
Rhodium	103-2	7339319	7181274	7193853	7238149	1.21	cps
Scandium	45-1	7007462	6932011	6928830	6956101	0.64	cps
Scandium	45-2	618461	617469	612675	616202	0.50	cps
Selenium	82-1	129	127	116	124	5.60	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	473	453	443	457	3.35	cps
Silicon	28-1	598698	599784	599169	599217	0.09	cps
Silver	107-1	343	310	270	308	11.93	cps
Silver	109-1	250	230	180	220	16.39	cps
Sodium	23-2	20056	19820	20073	19983	0.71	cps
Strontium	86-1	333	357	380	357	6.54	cps
Strontium	88-1	383	363	287	344	14.81	cps
Sulfur	34-1	189121	187394	188956	188491	0.51	cps
Terbium	159-1	15988541	16225750	16026789	16080360	0.79	cps
Terbium	159-2	11344707	11418538	11217211	11326818	0.90	cps
Thallium	203-1	577	530	543	550	4.37	cps
Thallium	205-1	1237	1230	1320	1262	3.97	cps
Tin	118-1	1647	1593	1557	1599	2.83	cps
Titanium	47-1	100	90	77	89	13.17	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	PB165866BL	Instrumnet Name :	P7
Client Sample ID :	PBS866	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:21:27	DataFile Name :	065CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	23	37	43	34	29.57	cps
Vanadium	51-2	10	30	30	23	49.49	cps
Yttrium	89-1	19400684	19360630	19579354	19446889	0.60	cps
Yttrium	89-2	5488036	5408661	5396076	5430924	0.92	cps
Zinc	66-2	297	320	267	294	9.08	cps
Zirconium	90-1	3687	3600	3650	3646	1.19	cps
Zirconium	91-1	777	763	837	792	4.93	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	PB165866BS	Instrumnet Name :	P7
Client Sample ID :	LCS866	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:24:46	DataFile Name :	066LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	12342	12195	12035	12190	1.26	cps
Antimony	121-1	50742	52442	52382	51855	1.86	cps
Arsenic	75-2	1463	1477	1580	1507	4.24	cps
Barium	135-1	63625	64106	63785	63839	0.38	cps
Barium	137-1	110609	111127	111012	110916	0.25	cps
Beryllium	9-1	3390	3430	3367	3396	0.94	cps
Bismuth	209-1	9788862	9600347	9482863	9624024	1.60	cps
Bismuth	209-2	8331293	8348859	8377059	8352404	0.28	cps
Bromine	81-1	14908	14951	14898	14919	0.19	cps
Bromine	81-2	133	140	147	140	4.76	cps
Cadmium	108-1	527	430	460	472	10.48	cps
Cadmium	106-1	5638	5514	5161	5438	4.55	cps
Cadmium	111-1	7714	7890	8156	7920	2.81	cps
Calcium	43-1	34930	34800	35401	35044	0.90	cps
Calcium	44-1	563358	566692	566831	565627	0.35	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	22410	21919	21752	22027	1.55	cps
Cobalt	59-2	16769	17070	17427	17089	1.93	cps
Copper	63-2	25442	25876	26063	25793	1.24	cps
Dysprosium	156-1	23	17	13	18	28.64	cps
Dysprosium	156-2	3	13	7	8	65.47	cps
Erbium	164-1	97	70	60	76	25.09	cps
Erbium	164-2	67	57	53	59	11.79	cps
Gadolinium	160-1	107	43	53	68	50.24	cps
Gadolinium	160-2	663	640	707	670	5.05	cps
Holmium	165-1	15926660	15694949	15550318	15723976	1.21	cps
Holmium	165-2	11696714	11636246	11535821	11622927	0.70	cps
Indium	115-1	13151808	12962746	12843980	12986178	1.20	cps
Indium	115-2	4983864	4978855	4948114	4970278	0.39	cps
Iron	56-2	2050830	2085838	2041860	2059510	1.13	cps
Iron	57-2	52254	52558	52973	52595	0.69	cps
Iron	54-2	115122	113792	114336	114417	0.58	cps
Krypton	83-1	183	177	200	187	6.44	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	PB165866BS	Instrumnet Name :	P7
Client Sample ID :	LCS866	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:24:46	DataFile Name :	066LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	19958	19868	20192	20006	0.84	cps
Lead	207-1	17017	17168	17518	17234	1.49	cps
Lead	208-1	78663	78726	79788	79059	0.80	cps
Lithium	6-1	2067256	2013075	2024132	2034821	1.41	cps
Magnesium	24-2	454523	453673	452288	453495	0.25	cps
Manganese	55-2	9413	9286	9136	9278	1.49	cps
Molybdenum	94-1	52045	52651	52614	52437	0.65	cps
Molybdenum	95-1	62650	63657	63534	63280	0.87	cps
Molybdenum	96-1	69866	70740	70552	70386	0.65	cps
Molybdenum	97-1	39189	39904	40045	39713	1.16	cps
Molybdenum	98-1	100516	102295	102732	101847	1.15	cps
Neodymium	150-1	0	17	3	7	132.33	cps
Neodymium	150-2	10	0	23	11	105.35	cps
Nickel	60-2	4908	4804	4894	4869	1.15	cps
Phosphorus	31-2	910	877	907	898	2.05	cps
Potassium	39-2	700326	695599	695769	697231	0.38	cps
Rhodium	103-1	12291851	11955759	12040941	12096184	1.44	cps
Rhodium	103-2	7399902	7331950	7350495	7360783	0.48	cps
Scandium	45-1	7104355	6953312	7036471	7031380	1.08	cps
Scandium	45-2	632209	625880	633044	630378	0.62	cps
Selenium	82-1	2177	2245	2139	2187	2.46	cps
Selenium	77-2	230	177	203	203	13.11	cps
Selenium	78-2	1147	1197	1283	1209	5.72	cps
Silicon	28-1	731495	732658	736027	733394	0.32	cps
Silver	107-1	32012	32880	33686	32859	2.55	cps
Silver	109-1	31257	31788	31611	31552	0.86	cps
Sodium	23-2	742543	738906	742044	741165	0.27	cps
Strontium	86-1	8469	8553	8342	8455	1.25	cps
Strontium	88-1	70779	70960	70243	70661	0.53	cps
Sulfur	34-1	190688	193177	193559	192475	0.81	cps
Terbium	159-1	16442794	16084303	16210747	16245948	1.12	cps
Terbium	159-2	11398333	11480858	11361794	11413662	0.53	cps
Thallium	203-1	24509	24358	24265	24377	0.50	cps
Thallium	205-1	57009	57876	57762	57549	0.82	cps
Tin	118-1	107924	108622	108824	108457	0.44	cps
Titanium	47-1	3647	3757	3931	3778	3.78	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	PB165866BS	Instrumnet Name :	P7
Client Sample ID :	LCS866	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:24:46	DataFile Name :	066LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	68650	67962	69387	68666	1.04	cps
Vanadium	51-2	47388	46979	47317	47228	0.46	cps
Yttrium	89-1	19947942	19585548	19443395	19658962	1.32	cps
Yttrium	89-2	5593787	5533469	5537724	5554993	0.61	cps
Zinc	66-2	11034	11088	10971	11031	0.53	cps
Zirconium	90-1	43023	43812	43427	43421	0.91	cps
Zirconium	91-1	9220	9533	9647	9466	2.34	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5347-05	Instrumnet Name :	P7
Client Sample ID :	MJNBZ5	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:28:09	DataFile Name :	067SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8592154	8562263	8606889	8587102	0.26	cps
Antimony	121-1	2410	2524	2347	2427	3.69	cps
Arsenic	75-2	5544	5865	5514	5641	3.44	cps
Barium	135-1	326443	330487	333674	330201	1.10	cps
Barium	137-1	565427	576702	575571	572567	1.08	cps
Beryllium	9-1	1667	1680	1703	1683	1.10	cps
Bismuth	209-1	10086952	10064829	9737165	9962982	1.97	cps
Bismuth	209-2	8693505	8503304	8565928	8587579	1.13	cps
Bromine	81-1	20070	20377	20958	20469	2.20	cps
Bromine	81-2	1293	1240	1217	1250	3.14	cps
Cadmium	108-1	203	163	160	176	13.74	cps
Cadmium	106-1	5424	5544	5448	5472	1.16	cps
Cadmium	111-1	2000	2118	2097	2072	3.03	cps
Calcium	43-1	446072	452587	453757	450806	0.92	cps
Calcium	44-1	7044017	7088566	7098521	7077035	0.41	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	170336	168486	168698	169173	0.60	cps
Cobalt	59-2	278170	275088	275685	276315	0.59	cps
Copper	63-2	576904	568749	575352	573668	0.75	cps
Dysprosium	156-1	48718	49383	49249	49117	0.72	cps
Dysprosium	156-2	42116	41972	42293	42127	0.38	cps
Erbium	164-1	49882	50484	50009	50125	0.63	cps
Erbium	164-2	36087	36909	37159	36718	1.53	cps
Gadolinium	160-1	47437	48935	49229	48534	1.98	cps
Gadolinium	160-2	37804	37774	37787	37789	0.04	cps
Holmium	165-1	16691810	16597754	16603225	16630929	0.32	cps
Holmium	165-2	12196354	12249846	12177482	12207894	0.31	cps
Indium	115-1	13346182	13412576	13452316	13403691	0.40	cps
Indium	115-2	5256726	5143970	5148810	5183169	1.23	cps
Iron	56-2	262965843	258214323	261026469	260735545	0.92	cps
Iron	57-2	6511736	6427430	6392637	6443934	0.95	cps
Iron	54-2	14312344	14002547	14163987	14159626	1.09	cps
Krypton	83-1	253	280	297	277	7.90	cps

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5347-05	Instrumnet Name :	P7
Client Sample ID :	MJNBZ5	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:28:09	DataFile Name :	067SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	935821	953877	955634	948444	1.16	cps
Lead	207-1	783150	795763	795298	791403	0.90	cps
Lead	208-1	3773355	3812385	3809976	3798572	0.58	cps
Lithium	6-1	2101990	2138407	2081280	2107226	1.37	cps
Magnesium	24-2	6757456	6641939	6749908	6716434	0.96	cps
Manganese	55-2	3844874	3790766	3800253	3811964	0.76	cps
Molybdenum	94-1	47498	48240	47671	47803	0.81	cps
Molybdenum	95-1	6957	5798	5461	6072	12.92	cps
Molybdenum	96-1	17666	16252	16179	16699	5.02	cps
Molybdenum	97-1	4024	3674	3694	3797	5.18	cps
Molybdenum	98-1	9829	8973	8709	9170	6.38	cps
Neodymium	150-1	71064	72354	71963	71794	0.92	cps
Neodymium	150-2	45383	45426	45088	45299	0.41	cps
Nickel	60-2	87004	86427	84459	85963	1.55	cps
Phosphorus	31-2	11608	12005	11511	11708	2.23	cps
Potassium	39-2	671834	666586	665313	667911	0.52	cps
Rhodium	103-1	12533604	12591239	12578677	12567840	0.24	cps
Rhodium	103-2	7703746	7595897	7632970	7644204	0.72	cps
Scandium	45-1	7599035	7710138	7697512	7668895	0.79	cps
Scandium	45-2	690733	685534	684826	687031	0.47	cps
Selenium	82-1	275	202	257	244	15.64	cps
Selenium	77-2	120	140	113	124	11.15	cps
Selenium	78-2	520	637	660	606	12.39	cps
Silicon	28-1	12918321	13266860	13256101	13147094	1.51	cps
Silver	107-1	2887	2117	1837	2280	23.85	cps
Silver	109-1	2637	1723	1530	1963	30.11	cps
Sodium	23-2	217498	215851	217210	216853	0.41	cps
Strontium	86-1	301936	303788	308288	304671	1.07	cps
Strontium	88-1	2698510	2756887	2777890	2744429	1.50	cps
Sulfur	34-1	187269	183557	180127	183651	1.94	cps
Terbium	159-1	17139288	17303606	16926451	17123115	1.10	cps
Terbium	159-2	12028077	11890986	11984514	11967859	0.59	cps
Thallium	203-1	2944	2557	2687	2729	7.21	cps
Thallium	205-1	7245	6328	6025	6533	9.73	cps
Tin	118-1	21269	21249	20855	21124	1.10	cps
Titanium	47-1	411972	407882	411804	410553	0.56	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5347-05	Instrumnet Name :	P7
Client Sample ID :	MJNBZ5	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:28:09	DataFile Name :	067SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	38238	38649	37947	38278	0.92	cps
Vanadium	51-2	584500	578251	582313	581688	0.55	cps
Yttrium	89-1	21141965	21668667	21563030	21457887	1.30	cps
Yttrium	89-2	6105083	5962033	6019383	6028833	1.19	cps
Zinc	66-2	126574	126449	126197	126407	0.15	cps
Zirconium	90-1	117781	121519	121182	120161	1.72	cps
Zirconium	91-1	26448	26327	26397	26391	0.23	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5347-06	Instrumnet Name :	P7
Client Sample ID :	MJNBZ5D	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:31:20	DataFile Name :	068SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8317629	8496515	8409537	8407894	1.06	cps
Antimony	121-1	2584	2457	2560	2534	2.66	cps
Arsenic	75-2	5905	5631	5848	5795	2.49	cps
Barium	135-1	327164	332588	330827	330193	0.84	cps
Barium	137-1	583514	573503	575858	577625	0.91	cps
Beryllium	9-1	1697	1713	1710	1707	0.52	cps
Bismuth	209-1	10016295	10004432	9904243	9974990	0.62	cps
Bismuth	209-2	8534356	8529382	8486239	8516659	0.31	cps
Bromine	81-1	19720	20080	20821	20207	2.78	cps
Bromine	81-2	1257	1330	1193	1260	5.43	cps
Cadmium	108-1	167	200	180	182	9.21	cps
Cadmium	106-1	5351	5191	5474	5339	2.66	cps
Cadmium	111-1	2079	2030	2016	2041	1.61	cps
Calcium	43-1	447242	445048	444244	445511	0.35	cps
Calcium	44-1	6961226	7033886	7001088	6998733	0.52	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	166433	165402	165123	165653	0.42	cps
Cobalt	59-2	271264	271334	271399	271332	0.03	cps
Copper	63-2	563735	568546	568378	566886	0.48	cps
Dysprosium	156-1	49002	49350	49885	49412	0.90	cps
Dysprosium	156-2	41545	42190	42086	41940	0.83	cps
Erbium	164-1	49196	49698	50143	49679	0.95	cps
Erbium	164-2	36655	36103	35635	36131	1.41	cps
Gadolinium	160-1	49059	48647	48306	48671	0.77	cps
Gadolinium	160-2	36304	37216	37269	36930	1.47	cps
Holmium	165-1	16910997	16794731	16722959	16809563	0.56	cps
Holmium	165-2	12101192	12161050	12164233	12142158	0.29	cps
Indium	115-1	13516626	13606365	13570043	13564345	0.33	cps
Indium	115-2	5148163	5178939	5165618	5164240	0.30	cps
Iron	56-2	256071270	257608589	254780116	256153325	0.55	cps
Iron	57-2	6382731	6323665	6344979	6350458	0.47	cps
Iron	54-2	13988962	14031178	13940098	13986746	0.33	cps
Krypton	83-1	247	310	280	279	11.36	cps

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5347-06	Instrumnet Name :	P7
Client Sample ID :	MJNBZ5D	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:31:20	DataFile Name :	068SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	944526	955400	954323	951416	0.63	cps
Lead	207-1	795311	810299	799800	801803	0.96	cps
Lead	208-1	3791773	3870333	3820091	3827399	1.04	cps
Lithium	6-1	2109565	2082694	2050874	2081044	1.41	cps
Magnesium	24-2	6530340	6603811	6549391	6561180	0.58	cps
Manganese	55-2	3719990	3748328	3718690	3729003	0.45	cps
Molybdenum	94-1	45584	47952	47039	46858	2.55	cps
Molybdenum	95-1	5588	5454	5461	5501	1.37	cps
Molybdenum	96-1	16226	16286	16313	16275	0.27	cps
Molybdenum	97-1	3460	3494	3574	3509	1.66	cps
Molybdenum	98-1	8406	8893	8879	8726	3.18	cps
Neodymium	150-1	72646	72482	73135	72754	0.47	cps
Neodymium	150-2	44339	44998	43932	44423	1.21	cps
Nickel	60-2	84976	84948	83883	84602	0.74	cps
Phosphorus	31-2	11558	11481	10827	11289	3.56	cps
Potassium	39-2	659918	658317	650278	656171	0.79	cps
Rhodium	103-1	12688579	12597310	12551886	12612591	0.55	cps
Rhodium	103-2	7648269	7710062	7599564	7652632	0.72	cps
Scandium	45-1	7620421	7675594	7573236	7623083	0.67	cps
Scandium	45-2	678035	683638	672215	677963	0.84	cps
Selenium	82-1	337	279	208	275	23.62	cps
Selenium	77-2	127	147	130	134	7.97	cps
Selenium	78-2	527	520	653	567	13.26	cps
Silicon	28-1	13509982	13144992	13214305	13289760	1.46	cps
Silver	107-1	1477	1450	1323	1417	5.78	cps
Silver	109-1	1210	1237	1280	1242	2.84	cps
Sodium	23-2	215759	217389	216138	216429	0.39	cps
Strontium	86-1	304907	306032	304390	305109	0.28	cps
Strontium	88-1	2727145	2720804	2752744	2733565	0.62	cps
Sulfur	34-1	173047	170322	168198	170522	1.43	cps
Terbium	159-1	17530395	17315211	17299269	17381625	0.74	cps
Terbium	159-2	11865355	11966131	12030217	11953901	0.70	cps
Thallium	203-1	2204	2197	2374	2258	4.44	cps
Thallium	205-1	5411	5381	5535	5442	1.49	cps
Tin	118-1	20418	20995	21202	20872	1.95	cps
Titanium	47-1	401087	404076	400716	401960	0.46	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5347-06	Instrumnet Name :	P7
Client Sample ID :	MJNBZ5D	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:31:20	DataFile Name :	068SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	38345	38325	38743	38471	0.61	cps
Vanadium	51-2	576439	578811	572932	576060	0.51	cps
Yttrium	89-1	21618523	21504962	21533459	21552315	0.27	cps
Yttrium	89-2	6064083	5989241	5984057	6012460	0.74	cps
Zinc	66-2	124197	124141	124772	124370	0.28	cps
Zirconium	90-1	120543	120764	118702	120003	0.94	cps
Zirconium	91-1	26277	26150	26983	26470	1.69	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5347-05LX5	Instrumnet Name :	P7
Client Sample ID :	MJNBZ5L	Dilution Factor :	5
Date & Time Acquired :	2024-12-27 18:34:33	DataFile Name :	069SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1593946	1592286	1603790	1596674	0.39	cps
Antimony	121-1	245492	245572	246265	245776	0.17	cps
Arsenic	75-2	1157	1113	1073	1114	3.74	cps
Barium	135-1	63785	62446	61904	62712	1.54	cps
Barium	137-1	109013	109759	108970	109248	0.41	cps
Beryllium	9-1	353	377	413	381	7.94	cps
Bismuth	209-1	9997939	9879373	9802514	9893275	1.00	cps
Bismuth	209-2	8455832	8461805	8417226	8444954	0.29	cps
Bromine	81-1	15281	16065	15879	15742	2.60	cps
Bromine	81-2	397	403	343	381	8.63	cps
Cadmium	108-1	20	53	60	44	48.22	cps
Cadmium	106-1	4727	4771	4761	4753	0.48	cps
Cadmium	111-1	1221	1167	1137	1175	3.64	cps
Calcium	43-1	85217	84098	83571	84295	1.00	cps
Calcium	44-1	1347905	1321213	1349587	1339568	1.19	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	33196	32555	32024	32592	1.80	cps
Cobalt	59-2	51842	51240	50715	51266	1.10	cps
Copper	63-2	109033	109030	107734	108599	0.69	cps
Dysprosium	156-1	9557	9143	9370	9357	2.21	cps
Dysprosium	156-2	8136	7812	7936	7961	2.05	cps
Erbium	164-1	9276	9250	9230	9252	0.25	cps
Erbium	164-2	7099	6865	6802	6922	2.26	cps
Gadolinium	160-1	9236	9216	9086	9180	0.89	cps
Gadolinium	160-2	7739	7555	7786	7693	1.58	cps
Holmium	165-1	16239007	16374201	16482575	16365261	0.75	cps
Holmium	165-2	11791857	11792676	11876096	11820210	0.41	cps
Indium	115-1	13349847	13320539	13377333	13349240	0.21	cps
Indium	115-2	5064207	5078684	4988234	5043708	0.96	cps
Iron	56-2	48328324	48293048	48160379	48260584	0.18	cps
Iron	57-2	1208552	1211574	1208985	1209704	0.14	cps
Iron	54-2	2654242	2660921	2657118	2657427	0.13	cps
Krypton	83-1	210	183	203	199	6.98	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5347-05LX5	Instrumnet Name :	P7
Client Sample ID :	MJNBZ5L	Dilution Factor :	5
Date & Time Acquired :	2024-12-27 18:34:33	DataFile Name :	069SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	181027	181562	181656	181415	0.19	cps
Lead	207-1	153227	153517	150558	152434	1.07	cps
Lead	208-1	703350	709324	699979	704218	0.67	cps
Lithium	6-1	2017221	2046331	2020435	2027996	0.79	cps
Magnesium	24-2	1227576	1229217	1224019	1226937	0.22	cps
Manganese	55-2	693841	691624	692015	692493	0.17	cps
Molybdenum	94-1	8973	8606	8249	8609	4.20	cps
Molybdenum	95-1	1187	1137	1210	1178	3.18	cps
Molybdenum	96-1	3277	3254	3267	3266	0.36	cps
Molybdenum	97-1	800	723	743	756	5.26	cps
Molybdenum	98-1	1827	2117	1993	1979	7.36	cps
Neodymium	150-1	13617	13950	13960	13842	1.41	cps
Neodymium	150-2	8346	8576	8676	8533	1.98	cps
Nickel	60-2	16309	16659	16049	16339	1.88	cps
Phosphorus	31-2	6065	5975	6015	6018	0.75	cps
Potassium	39-2	420357	417016	417067	418146	0.46	cps
Rhodium	103-1	12450511	12227987	12303764	12327421	0.92	cps
Rhodium	103-2	7391778	7452554	7466310	7436881	0.53	cps
Scandium	45-1	7294035	7144281	7190121	7209479	1.06	cps
Scandium	45-2	638006	634604	637644	636751	0.29	cps
Selenium	82-1	182	211	141	178	19.94	cps
Selenium	77-2	43	23	23	30	38.49	cps
Selenium	78-2	550	490	463	501	8.86	cps
Silicon	28-1	3300550	3074679	3035856	3137028	4.56	cps
Silver	107-1	377	363	330	357	6.74	cps
Silver	109-1	273	283	307	288	5.94	cps
Sodium	23-2	73675	72921	74124	73573	0.83	cps
Strontium	86-1	57950	57251	58342	57848	0.96	cps
Strontium	88-1	499388	497044	497585	498005	0.25	cps
Sulfur	34-1	156350	154734	153115	154733	1.05	cps
Terbium	159-1	16974351	16658729	16681449	16771510	1.05	cps
Terbium	159-2	11649119	11760749	11911490	11773786	1.12	cps
Thallium	203-1	793	640	717	717	10.70	cps
Thallium	205-1	1890	1753	1680	1775	6.01	cps
Tin	118-1	5208	5111	5244	5188	1.33	cps
Titanium	47-1	75354	75297	77319	75990	1.52	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5347-05LX5	Instrumnet Name :	P7
Client Sample ID :	MJNBZ5L	Dilution Factor :	5
Date & Time Acquired :	2024-12-27 18:34:33	DataFile Name :	069SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	7229	7322	7272	7274	0.64	cps
Vanadium	51-2	107996	107250	107630	107625	0.35	cps
Yttrium	89-1	20597071	20090470	20039298	20242280	1.52	cps
Yttrium	89-2	5624826	5659500	5570654	5618327	0.80	cps
Zinc	66-2	24657	23692	24457	24269	2.10	cps
Zirconium	90-1	21396	21676	21409	21494	0.74	cps
Zirconium	91-1	4314	4744	4677	4579	5.06	cps

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5347-07	Instrumnet Name :	P7
Client Sample ID :	MJNBZ5S	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:37:49	DataFile Name :	070SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8340603	8287302	8330716	8319540	0.34	cps
Antimony	121-1	2540	2377	2484	2467	3.36	cps
Arsenic	75-2	153568	152346	151648	152521	0.64	cps
Barium	135-1	1719543	1762590	1691210	1724447	2.08	cps
Barium	137-1	2982418	2973040	2929464	2961641	0.95	cps
Beryllium	9-1	17073	17904	17150	17375	2.64	cps
Bismuth	209-1	10184123	10358715	10104392	10215744	1.27	cps
Bismuth	209-2	8557520	8498081	8430296	8495299	0.75	cps
Bromine	81-1	19540	19763	19777	19693	0.68	cps
Bromine	81-2	1273	1217	1217	1236	2.65	cps
Cadmium	108-1	22377	23042	22828	22749	1.49	cps
Cadmium	106-1	36242	36402	36613	36419	0.51	cps
Cadmium	111-1	332039	331148	332321	331836	0.18	cps
Calcium	43-1	441268	445614	439644	442175	0.70	cps
Calcium	44-1	6918352	6928023	6864671	6903682	0.49	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	374273	375807	376201	375427	0.27	cps
Cobalt	59-2	1100660	1093070	1088697	1094142	0.55	cps
Copper	63-2	847238	848115	843200	846184	0.31	cps
Dysprosium	156-1	48828	48808	49457	49031	0.75	cps
Dysprosium	156-2	41531	41173	41468	41391	0.46	cps
Erbium	164-1	50394	50300	49437	50044	1.05	cps
Erbium	164-2	36511	36304	36554	36456	0.37	cps
Gadolinium	160-1	47965	48333	48049	48116	0.40	cps
Gadolinium	160-2	37152	36905	36601	36886	0.75	cps
Holmium	165-1	16927372	17105420	16759313	16930702	1.02	cps
Holmium	165-2	12149765	12012626	12033938	12065443	0.61	cps
Indium	115-1	13557924	13410359	13490986	13486423	0.55	cps
Indium	115-2	5153893	5124172	5126263	5134776	0.32	cps
Iron	56-2	255366096	254132203	252783636	254093978	0.51	cps
Iron	57-2	6216925	6221632	6217553	6218704	0.04	cps
Iron	54-2	13887628	13710564	13714413	13770868	0.73	cps
Krypton	83-1	243	297	337	292	16.02	cps

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On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5347-07	Instrumnet Name :	P7
Client Sample ID :	MJNBZ5S	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:37:49	DataFile Name :	070SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2762061	2828517	2812704	2801094	1.24	cps
Lead	207-1	2288017	2334246	2350996	2324419	1.40	cps
Lead	208-1	10727060	10870368	10830446	10809292	0.68	cps
Lithium	6-1	2058899	2118983	2067009	2081630	1.57	cps
Magnesium	24-2	6471938	6462399	6412156	6448831	0.50	cps
Manganese	55-2	4115860	4105831	4118801	4113498	0.17	cps
Molybdenum	94-1	54190	54250	53544	53995	0.72	cps
Molybdenum	95-1	18859	18585	18782	18742	0.75	cps
Molybdenum	96-1	29847	30632	29914	30131	1.44	cps
Molybdenum	97-1	11565	11468	11782	11605	1.38	cps
Molybdenum	98-1	29306	29914	29650	29623	1.03	cps
Neodymium	150-1	73011	72602	72377	72663	0.44	cps
Neodymium	150-2	44584	44714	44533	44610	0.21	cps
Nickel	60-2	292535	293864	291203	292534	0.45	cps
Phosphorus	31-2	11434	11254	11047	11245	1.72	cps
Potassium	39-2	643231	642949	642750	642977	0.04	cps
Rhodium	103-1	12501531	12486004	12523024	12503520	0.15	cps
Rhodium	103-2	7645602	7495118	7558614	7566445	1.00	cps
Scandium	45-1	7627091	7572283	7561226	7586867	0.46	cps
Scandium	45-2	675740	667751	668433	670641	0.66	cps
Selenium	82-1	46361	47200	47125	46895	0.99	cps
Selenium	77-2	5344	5581	5428	5451	2.20	cps
Selenium	78-2	17611	18218	17901	17910	1.70	cps
Silicon	28-1	12976862	13135459	13104702	13072341	0.64	cps
Silver	107-1	162070	167622	165754	165149	1.71	cps
Silver	109-1	154924	159082	158677	157561	1.46	cps
Sodium	23-2	211289	210580	213262	211710	0.66	cps
Strontium	86-1	299617	302998	303841	302152	0.74	cps
Strontium	88-1	2693830	2723455	2705556	2707614	0.55	cps
Sulfur	34-1	163454	161853	163406	162904	0.56	cps
Terbium	159-1	17389136	17280830	17124718	17264894	0.77	cps
Terbium	159-2	11974656	11936032	11986730	11965806	0.22	cps
Thallium	203-1	2343207	2339289	2353793	2345429	0.32	cps
Thallium	205-1	5526944	5649196	5635009	5603716	1.19	cps
Tin	118-1	20889	20989	20268	20715	1.89	cps
Titanium	47-1	396315	408571	399052	401312	1.60	cps

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On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5347-07	Instrumnet Name :	P7
Client Sample ID :	MJNBZ5S	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:37:49	DataFile Name :	070SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	38071	38726	38596	38464	0.90	cps
Vanadium	51-2	1033422	1024189	1020863	1026158	0.63	cps
Yttrium	89-1	21614120	21719220	21314636	21549325	0.97	cps
Yttrium	89-2	5926511	5981921	5991181	5966537	0.59	cps
Zinc	66-2	227406	226440	225548	226464	0.41	cps
Zirconium	90-1	116736	118817	117987	117847	0.89	cps
Zirconium	91-1	25986	27555	27182	26908	3.05	cps

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On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-06	Instrumnet Name :	P7
Client Sample ID :	MJNKB1	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:40:56	DataFile Name :	071SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4528230	4527726	4581899	4545952	0.68	cps
Antimony	121-1	29250090	29313570	29322712	29295457	0.14	cps
Arsenic	75-2	4069385	3993692	4041459	4034845	0.95	cps
Barium	135-1	675877	684689	684550	681705	0.74	cps
Barium	137-1	1180417	1191553	1193080	1188350	0.58	cps
Beryllium	9-1	2187	2040	2090	2106	3.54	cps
Bismuth	209-1	10301440	10337091	10289286	10309273	0.24	cps
Bismuth	209-2	8705347	8698022	8668052	8690474	0.23	cps
Bromine	81-1	40061	42564	43490	42039	4.22	cps
Bromine	81-2	5988	5788	5821	5866	1.83	cps
Cadmium	108-1	3620	3674	3577	3624	1.34	cps
Cadmium	106-1	9750	9707	9847	9768	0.73	cps
Cadmium	111-1	29768	29577	29816	29720	0.43	cps
Calcium	43-1	1591452	1640968	1605615	1612678	1.58	cps
Calcium	44-1	25376708	26061822	26088592	25842374	1.56	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	645905	642404	642847	643718	0.30	cps
Cobalt	59-2	1586457	1590027	1586951	1587812	0.12	cps
Copper	63-2	13264473	13045087	13116369	13141976	0.85	cps
Dysprosium	156-1	28693	28856	29197	28915	0.89	cps
Dysprosium	156-2	25336	25410	25457	25401	0.24	cps
Erbium	164-1	28586	28930	28763	28760	0.60	cps
Erbium	164-2	20629	20599	20886	20704	0.76	cps
Gadolinium	160-1	28195	28422	28322	28313	0.40	cps
Gadolinium	160-2	22598	22064	22044	22235	1.41	cps
Holmium	165-1	16788174	16687426	16767414	16747671	0.32	cps
Holmium	165-2	12106453	12034777	12060074	12067101	0.30	cps
Indium	115-1	15341144	15521988	15570806	15477979	0.78	cps
Indium	115-2	5892400	5981426	5960775	5944867	0.78	cps
Iron	56-2	832289161	836850281	839216681	836118708	0.42	cps
Iron	57-2	20753588	20805785	20887039	20815470	0.32	cps
Iron	54-2	45560559	45481403	45808278	45616747	0.37	cps
Krypton	83-1	217	240	213	223	6.50	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-06	Instrumnet Name :	P7
Client Sample ID :	MJNKB1	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:40:56	DataFile Name :	071SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	33827103	34251423	33302140	33793555	1.41	cps
Lead	207-1	29233807	29877068	29232443	29447773	1.26	cps
Lead	208-1	133535804	135766688	133239607	134180700	1.03	cps
Lithium	6-1	2017725	2036967	2031481	2028724	0.49	cps
Magnesium	24-2	3227940	3203801	3228330	3220023	0.44	cps
Manganese	55-2	3045703	3020584	3088977	3051755	1.13	cps
Molybdenum	94-1	1692369	1695004	1710642	1699338	0.58	cps
Molybdenum	95-1	2752946	2778728	2786103	2772592	0.63	cps
Molybdenum	96-1	3004315	3063841	3035531	3034562	0.98	cps
Molybdenum	97-1	1693587	1732329	1708705	1711540	1.14	cps
Molybdenum	98-1	4434748	4461502	4403885	4433378	0.65	cps
Neodymium	150-1	44159	45232	46065	45152	2.12	cps
Neodymium	150-2	27637	27664	28145	27815	1.03	cps
Nickel	60-2	158329	158575	157743	158215	0.27	cps
Phosphorus	31-2	14917	15702	14947	15189	2.93	cps
Potassium	39-2	2279859	2285366	2312131	2292452	0.75	cps
Rhodium	103-1	12531393	12394911	12485811	12470705	0.56	cps
Rhodium	103-2	7572931	7627513	7637567	7612670	0.46	cps
Scandium	45-1	7437454	7434119	7432451	7434674	0.03	cps
Scandium	45-2	669676	678048	679521	675749	0.79	cps
Selenium	82-1	868	823	866	852	3.01	cps
Selenium	77-2	150	143	133	142	5.90	cps
Selenium	78-2	817	723	787	776	6.14	cps
Silicon	28-1	50321339	51262768	51204196	50929434	1.04	cps
Silver	107-1	87267	88165	87750	87727	0.51	cps
Silver	109-1	81993	83033	84062	83029	1.25	cps
Sodium	23-2	9067414	9120968	9110650	9099677	0.31	cps
Strontium	86-1	956386	959672	964146	960068	0.41	cps
Strontium	88-1	8498534	8694835	8671584	8621651	1.24	cps
Sulfur	34-1	366973	369563	375817	370784	1.23	cps
Terbium	159-1	17186888	17196051	16975647	17119529	0.73	cps
Terbium	159-2	12079469	11937571	11879569	11965537	0.86	cps
Thallium	203-1	48402	49004	48851	48752	0.64	cps
Thallium	205-1	116517	117667	117680	117288	0.57	cps
Tin	118-1	5265435	5310099	5341525	5305686	0.72	cps
Titanium	47-1	1129105	1153490	1155250	1145948	1.28	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-06	Instrumnet Name :	P7
Client Sample ID :	MJNKB1	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:40:56	DataFile Name :	071SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	181135	183575	180159	181623	0.97	cps
Vanadium	51-2	209317	209604	210398	209773	0.27	cps
Yttrium	89-1	21009773	21256766	21272903	21179814	0.70	cps
Yttrium	89-2	5883196	5951045	6001174	5945138	1.00	cps
Zinc	66-2	11849616	11821625	11867594	11846279	0.20	cps
Zirconium	90-1	390642	400378	403805	398275	1.71	cps
Zirconium	91-1	92834	94981	96035	94617	1.72	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-07	Instrumnet Name :	P7
Client Sample ID :	MJNKB1D	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:43:52	DataFile Name :	072SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4676026	4614364	4662177	4650856	0.70	cps
Antimony	121-1	29954846	29607740	29795549	29786045	0.58	cps
Arsenic	75-2	4082474	4101102	4140653	4108076	0.72	cps
Barium	135-1	683472	691958	687250	687560	0.62	cps
Barium	137-1	1195322	1192986	1193583	1193964	0.10	cps
Beryllium	9-1	2187	2127	2094	2136	2.21	cps
Bismuth	209-1	10311909	9923890	10084205	10106668	1.93	cps
Bismuth	209-2	8662870	8599414	8711299	8657861	0.65	cps
Bromine	81-1	43303	43935	44156	43798	1.01	cps
Bromine	81-2	6415	6231	6128	6258	2.32	cps
Cadmium	108-1	3657	3590	3737	3662	2.01	cps
Cadmium	106-1	10094	10070	9837	10000	1.42	cps
Cadmium	111-1	29540	29731	29534	29602	0.38	cps
Calcium	43-1	1648571	1635977	1647570	1644039	0.43	cps
Calcium	44-1	26129915	26343207	26336385	26269836	0.46	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	659976	656132	655899	657336	0.35	cps
Cobalt	59-2	1590217	1612750	1609076	1604014	0.75	cps
Copper	63-2	13348683	13477376	13405973	13410677	0.48	cps
Dysprosium	156-1	28987	29291	29982	29420	1.73	cps
Dysprosium	156-2	25206	25256	25159	25207	0.19	cps
Erbium	164-1	28125	28673	28422	28407	0.97	cps
Erbium	164-2	21119	20906	20649	20891	1.13	cps
Gadolinium	160-1	29194	28295	28816	28768	1.57	cps
Gadolinium	160-2	22258	21894	22642	22264	1.68	cps
Holmium	165-1	16763239	16503716	16714553	16660503	0.83	cps
Holmium	165-2	11998442	12222109	12283110	12167887	1.23	cps
Indium	115-1	15521213	15471903	15502264	15498460	0.16	cps
Indium	115-2	6021601	6055374	6045208	6040728	0.29	cps
Iron	56-2	851961321	853692974	846339587	850664627	0.45	cps
Iron	57-2	21281001	21143270	20911252	21111841	0.89	cps
Iron	54-2	46430914	46117069	45754984	46100989	0.73	cps
Krypton	83-1	320	257	247	274	14.49	cps

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-07	Instrumnet Name :	P7
Client Sample ID :	MJNKB1D	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:43:52	DataFile Name :	072SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	33938107	33981598	33151553	33690419	1.39	cps
Lead	207-1	29311442	29106851	28956723	29125005	0.61	cps
Lead	208-1	134504036	134361005	133427620	134097554	0.44	cps
Lithium	6-1	1999886	1966083	1985893	1983954	0.86	cps
Magnesium	24-2	3309505	3234121	3332720	3292115	1.57	cps
Manganese	55-2	3113183	3104980	3071504	3096556	0.71	cps
Molybdenum	94-1	1720605	1739556	1743009	1734390	0.70	cps
Molybdenum	95-1	2780023	2845173	2837584	2820927	1.26	cps
Molybdenum	96-1	3039109	3088459	3088213	3071927	0.93	cps
Molybdenum	97-1	1773338	1765235	1759905	1766159	0.38	cps
Molybdenum	98-1	4515652	4496227	4453975	4488618	0.70	cps
Neodymium	150-1	45774	45647	45416	45612	0.40	cps
Neodymium	150-2	28302	28485	28362	28383	0.33	cps
Nickel	60-2	159201	160801	159807	159937	0.51	cps
Phosphorus	31-2	15415	15558	15518	15497	0.48	cps
Potassium	39-2	2324845	2318272	2346669	2329929	0.64	cps
Rhodium	103-1	12625154	12340872	12520638	12495555	1.15	cps
Rhodium	103-2	7725484	7792349	7722168	7746667	0.51	cps
Scandium	45-1	7485256	7434077	7551962	7490432	0.79	cps
Scandium	45-2	688287	688727	694699	690571	0.52	cps
Selenium	82-1	857	800	871	843	4.51	cps
Selenium	77-2	170	153	190	171	10.73	cps
Selenium	78-2	870	803	763	812	6.64	cps
Silicon	28-1	51862613	54280258	51434616	52525829	2.92	cps
Silver	107-1	88266	88111	89081	88486	0.59	cps
Silver	109-1	84028	84005	83941	83991	0.05	cps
Sodium	23-2	9312945	9214850	9341944	9289913	0.72	cps
Strontium	86-1	971761	978933	985042	978579	0.68	cps
Strontium	88-1	8842908	8747693	8704715	8765105	0.81	cps
Sulfur	34-1	379783	383540	380784	381369	0.51	cps
Terbium	159-1	17095839	16789529	16923579	16936315	0.91	cps
Terbium	159-2	11841771	12073930	12195586	12037096	1.49	cps
Thallium	203-1	48402	48372	48332	48369	0.07	cps
Thallium	205-1	113270	114947	114392	114203	0.75	cps
Tin	118-1	5334495	5384071	5451377	5389981	1.09	cps
Titanium	47-1	1166788	1173348	1172210	1170782	0.30	cps

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On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-07	Instrumnet Name :	P7
Client Sample ID :	MJNKB1D	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:43:52	DataFile Name :	072SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	177056	178868	178703	178209	0.56	cps
Vanadium	51-2	212558	212845	214011	213138	0.36	cps
Yttrium	89-1	21433805	21012560	21213141	21219835	0.99	cps
Yttrium	89-2	6004059	6039760	6010824	6018215	0.32	cps
Zinc	66-2	12036004	12026439	11961872	12008105	0.34	cps
Zirconium	90-1	405489	406023	409701	407071	0.56	cps
Zirconium	91-1	94267	96229	94911	95136	1.05	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-06LX5	Instrumnet Name :	P7
Client Sample ID :	MJNKB1L	Dilution Factor :	5
Date & Time Acquired :	2024-12-27 18:46:48	DataFile Name :	073SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	885266	885214	878078	882853	0.47	cps
Antimony	121-1	5678965	5769043	5800994	5749668	1.10	cps
Arsenic	75-2	786734	795717	791852	791434	0.57	cps
Barium	135-1	133375	135171	134192	134246	0.67	cps
Barium	137-1	231557	236812	234085	234151	1.12	cps
Beryllium	9-1	460	387	533	460	15.94	cps
Bismuth	209-1	10201397	9830090	9829154	9953547	2.16	cps
Bismuth	209-2	8474376	8505302	8470713	8483464	0.22	cps
Bromine	81-1	21419	21699	22097	21738	1.57	cps
Bromine	81-2	1373	1480	1527	1460	5.38	cps
Cadmium	108-1	710	733	690	711	3.05	cps
Cadmium	106-1	5828	5594	5741	5721	2.06	cps
Cadmium	111-1	6689	6480	6595	6588	1.59	cps
Calcium	43-1	326028	330884	328300	328404	0.74	cps
Calcium	44-1	5132135	5218802	5234377	5195105	1.06	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	130478	130821	131971	131090	0.60	cps
Cobalt	59-2	310527	311725	310398	310883	0.24	cps
Copper	63-2	2687164	2687513	2680369	2685015	0.15	cps
Dysprosium	156-1	5788	5738	5795	5773	0.54	cps
Dysprosium	156-2	4908	4901	4861	4890	0.52	cps
Erbium	164-1	5701	5791	5655	5716	1.22	cps
Erbium	164-2	4127	4434	4461	4341	4.27	cps
Gadolinium	160-1	5501	5731	5595	5609	2.06	cps
Gadolinium	160-2	4758	4918	4934	4870	2.00	cps
Holmium	165-1	17003796	16498931	16457355	16653360	1.83	cps
Holmium	165-2	11962489	11989616	11678317	11876808	1.45	cps
Indium	115-1	14541394	14015523	13821888	14126268	2.64	cps
Indium	115-2	5342173	5349660	5373004	5354946	0.30	cps
Iron	56-2	168786481	168957584	168508514	168750860	0.13	cps
Iron	57-2	4166984	4192362	4194938	4184761	0.37	cps
Iron	54-2	9283916	9234413	9187648	9235325	0.52	cps
Krypton	83-1	163	220	217	200	15.90	cps

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On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-06LX5	Instrumnet Name :	P7
Client Sample ID :	MJNKB1L	Dilution Factor :	5
Date & Time Acquired :	2024-12-27 18:46:48	DataFile Name :	073SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	6588119	6651203	6605833	6615052	0.49	cps
Lead	207-1	5708505	5759275	5755287	5741023	0.49	cps
Lead	208-1	26003150	26471595	26168248	26214331	0.91	cps
Lithium	6-1	2099998	1960855	1995407	2018753	3.59	cps
Magnesium	24-2	610188	614339	612730	612419	0.34	cps
Manganese	55-2	599207	599176	601384	599922	0.21	cps
Molybdenum	94-1	327302	333415	331986	330901	0.97	cps
Molybdenum	95-1	521050	537713	535970	531577	1.72	cps
Molybdenum	96-1	566640	581755	580532	576309	1.46	cps
Molybdenum	97-1	329310	335551	333585	332816	0.96	cps
Molybdenum	98-1	843548	864271	862798	856872	1.35	cps
Neodymium	150-1	8626	8843	8803	8757	1.32	cps
Neodymium	150-2	5645	5454	5364	5488	2.61	cps
Nickel	60-2	32144	32412	32024	32193	0.62	cps
Phosphorus	31-2	3344	3180	3100	3208	3.87	cps
Potassium	39-2	516856	523834	514645	518445	0.93	cps
Rhodium	103-1	13167224	12488250	12517568	12724348	3.02	cps
Rhodium	103-2	7597915	7543806	7652059	7597926	0.71	cps
Scandium	45-1	7744823	7504203	7404115	7551047	2.32	cps
Scandium	45-2	666909	668485	664561	666652	0.30	cps
Selenium	82-1	398	265	274	313	23.77	cps
Selenium	77-2	33	37	20	30	29.40	cps
Selenium	78-2	560	530	470	520	8.81	cps
Silicon	28-1	10405906	10741552	11044949	10730802	2.98	cps
Silver	107-1	17083	17214	17614	17304	1.60	cps
Silver	109-1	16429	16943	16897	16756	1.70	cps
Sodium	23-2	1828106	1873112	1857568	1852929	1.23	cps
Strontium	86-1	187582	194131	192673	191462	1.80	cps
Strontium	88-1	1692027	1721745	1711938	1708570	0.89	cps
Sulfur	34-1	218073	222209	221245	220509	0.98	cps
Terbium	159-1	17579703	16988829	16857295	17141942	2.24	cps
Terbium	159-2	11821117	11894422	11727062	11814200	0.71	cps
Thallium	203-1	9684	9914	9747	9781	1.22	cps
Thallium	205-1	22966	23133	23307	23135	0.74	cps
Tin	118-1	1004391	1035982	1027906	1022760	1.60	cps
Titanium	47-1	225758	235990	230881	230876	2.22	cps

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On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-06LX5	Instrumnet Name :	P7
Client Sample ID :	MJNKB1L	Dilution Factor :	5
Date & Time Acquired :	2024-12-27 18:46:48	DataFile Name :	073SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	34568	34669	34956	34731	0.58	cps
Vanadium	51-2	42052	42473	41611	42045	1.03	cps
Yttrium	89-1	21765844	21025586	20800520	21197317	2.38	cps
Yttrium	89-2	5811207	5818379	5822683	5817423	0.10	cps
Zinc	66-2	2386092	2464920	2410108	2420373	1.67	cps
Zirconium	90-1	78031	79701	79078	78937	1.07	cps
Zirconium	91-1	18342	18599	18635	18525	0.86	cps

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On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-08	Instrumnet Name :	P7
Client Sample ID :	MJNKB1S	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:49:56	DataFile Name :	074SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4612893	4577908	4585998	4592266	0.40	cps
Antimony	121-1	27506560	28918263	28867878	28430900	2.82	cps
Arsenic	75-2	4150748	4100586	4152561	4134632	0.71	cps
Barium	135-1	1997892	2108152	2096764	2067603	2.93	cps
Barium	137-1	3420362	3565514	3550497	3512124	2.27	cps
Beryllium	9-1	17003	18007	17770	17593	2.98	cps
Bismuth	209-1	10811896	10184560	10232240	10409566	3.36	cps
Bismuth	209-2	8719167	8528570	8730280	8659339	1.31	cps
Bromine	81-1	39102	40953	42287	40781	3.92	cps
Bromine	81-2	5858	5808	5918	5861	0.94	cps
Cadmium	108-1	25219	25810	26157	25728	1.84	cps
Cadmium	106-1	39577	40937	41279	40598	2.22	cps
Cadmium	111-1	344435	357803	361447	354562	2.53	cps
Calcium	43-1	1546907	1597188	1606851	1583649	2.03	cps
Calcium	44-1	24401825	25565270	25570794	25179296	2.67	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	856831	853064	850158	853351	0.39	cps
Cobalt	59-2	2422866	2428165	2441791	2430941	0.40	cps
Copper	63-2	13180838	13278360	13489416	13316205	1.18	cps
Dysprosium	156-1	26846	28172	28699	27906	3.42	cps
Dysprosium	156-2	24892	24926	24832	24883	0.19	cps
Erbium	164-1	26579	28145	27915	27546	3.07	cps
Erbium	164-2	20438	20298	20168	20302	0.67	cps
Gadolinium	160-1	26218	27944	27200	27121	3.19	cps
Gadolinium	160-2	21670	21764	21750	21728	0.23	cps
Holmium	165-1	17456198	16762076	16652198	16956824	2.57	cps
Holmium	165-2	12168485	11965026	12161107	12098206	0.95	cps
Indium	115-1	16449658	15655352	15545409	15883473	3.11	cps
Indium	115-2	5921925	5824921	5860690	5869179	0.84	cps
Iron	56-2	832063934	824897294	824479748	827146992	0.52	cps
Iron	57-2	20512552	20496038	20502079	20503556	0.04	cps
Iron	54-2	45342498	44841264	44868766	45017509	0.63	cps
Krypton	83-1	243	253	253	250	2.31	cps

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-08	Instrumnet Name :	P7
Client Sample ID :	MJNKB1S	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:49:56	DataFile Name :	074SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	33331553	34105764	34645554	34027624	1.94	cps
Lead	207-1	29171788	29636713	29658835	29489112	0.93	cps
Lead	208-1	132426151	135771505	136617634	134938430	1.64	cps
Lithium	6-1	2103030	1999715	1967380	2023375	3.50	cps
Magnesium	24-2	3169238	3160337	3162536	3164037	0.15	cps
Manganese	55-2	3467359	3421485	3478084	3455643	0.87	cps
Molybdenum	94-1	1613450	1708329	1689811	1670530	3.01	cps
Molybdenum	95-1	2628645	2731754	2772614	2711004	2.74	cps
Molybdenum	96-1	2879420	2981601	2979927	2946982	1.99	cps
Molybdenum	97-1	1617392	1722872	1706656	1682307	3.38	cps
Molybdenum	98-1	4195041	4394780	4354188	4314670	2.45	cps
Neodymium	150-1	41574	43534	44834	43314	3.79	cps
Neodymium	150-2	26775	27363	27650	27263	1.64	cps
Nickel	60-2	372676	372390	370825	371964	0.27	cps
Phosphorus	31-2	15104	14517	14904	14842	2.01	cps
Potassium	39-2	2275729	2253675	2238437	2255947	0.83	cps
Rhodium	103-1	13207262	12673420	12542534	12807739	2.75	cps
Rhodium	103-2	7534630	7469766	7572334	7525577	0.69	cps
Scandium	45-1	7963035	7570839	7581854	7705243	2.90	cps
Scandium	45-2	679683	679467	684955	681368	0.46	cps
Selenium	82-1	45920	47268	47780	46989	2.04	cps
Selenium	77-2	5328	5241	5281	5283	0.82	cps
Selenium	78-2	18121	18578	18562	18420	1.41	cps
Silicon	28-1	51232833	49502356	51268211	50667800	1.99	cps
Silver	107-1	239306	251713	254399	248473	3.24	cps
Silver	109-1	231284	239511	241262	237352	2.24	cps
Sodium	23-2	9075864	8998037	9023971	9032624	0.44	cps
Strontium	86-1	906843	951397	949180	935807	2.68	cps
Strontium	88-1	8115040	8496638	8555082	8388920	2.85	cps
Sulfur	34-1	364360	378350	378217	373642	2.15	cps
Terbium	159-1	17859049	17121451	17166534	17382344	2.38	cps
Terbium	159-2	11956649	11856060	11886066	11899592	0.43	cps
Thallium	203-1	2280301	2376853	2351139	2336098	2.14	cps
Thallium	205-1	5389982	5562191	5679559	5543911	2.63	cps
Tin	118-1	4989034	5248033	5262313	5166460	2.98	cps
Titanium	47-1	1076356	1131882	1141666	1116635	3.15	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-08	Instrumnet Name :	P7
Client Sample ID :	MJNKB1S	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:49:56	DataFile Name :	074SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	166413	172615	172696	170575	2.11	cps
Vanadium	51-2	688861	686798	686184	687281	0.20	cps
Yttrium	89-1	22244160	21548473	21620299	21804311	1.75	cps
Yttrium	89-2	5970999	5805647	6003863	5926837	1.79	cps
Zinc	66-2	11722169	11638575	11799381	11720041	0.69	cps
Zirconium	90-1	369595	392708	393255	385186	3.51	cps
Zirconium	91-1	106340	93488	94039	97956	7.42	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5352-04	Instrumnet Name :	P7
Client Sample ID :	ME2926	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:52:48	DataFile Name :	075SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6445045	6487370	6319991	6417469	1.36	cps
Antimony	121-1	14738	13486	12466	13563	8.39	cps
Arsenic	75-2	11374	11091	11084	11183	1.48	cps
Barium	135-1	812836	818414	817356	816202	0.36	cps
Barium	137-1	1417148	1434693	1417884	1423242	0.70	cps
Beryllium	9-1	2214	1967	2053	2078	6.02	cps
Bismuth	209-1	9730380	9756478	9891423	9792760	0.88	cps
Bismuth	209-2	8465614	8381367	8272499	8373160	1.16	cps
Bromine	81-1	17360	16960	16559	16960	2.36	cps
Bromine	81-2	530	600	643	591	9.67	cps
Cadmium	108-1	293	260	237	263	10.82	cps
Cadmium	106-1	5641	5611	5211	5488	4.38	cps
Cadmium	111-1	2728	2783	2706	2739	1.44	cps
Calcium	43-1	3040853	3023793	2943636	3002761	1.73	cps
Calcium	44-1	48500606	48449709	47410141	48120152	1.28	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	224864	221898	218199	221653	1.51	cps
Cobalt	59-2	223312	220945	219694	221317	0.83	cps
Copper	63-2	280218	278935	276248	278467	0.73	cps
Dysprosium	156-1	81340	81009	80519	80956	0.51	cps
Dysprosium	156-2	66460	67253	65907	66540	1.02	cps
Erbium	164-1	66380	67107	67485	66991	0.84	cps
Erbium	164-2	49829	48969	48551	49116	1.33	cps
Gadolinium	160-1	80536	81100	81119	80919	0.41	cps
Gadolinium	160-2	60430	59840	59686	59985	0.65	cps
Holmium	165-1	16715296	16677646	16350869	16581270	1.21	cps
Holmium	165-2	12125993	11889765	11773785	11929848	1.50	cps
Indium	115-1	13369123	13267671	13367036	13334610	0.43	cps
Indium	115-2	4925652	4890032	4863629	4893104	0.64	cps
Iron	56-2	251746563	249607870	247675296	249676576	0.82	cps
Iron	57-2	6222598	6296048	6136053	6218233	1.29	cps
Iron	54-2	13725229	13644676	13511501	13627136	0.79	cps
Krypton	83-1	270	257	263	263	2.53	cps

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5352-04	Instrumnet Name :	P7
Client Sample ID :	ME2926	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:52:48	DataFile Name :	075SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	360577	365344	364786	363569	0.72	cps
Lead	207-1	291502	293893	294186	293194	0.50	cps
Lead	208-1	1375138	1388394	1390606	1384712	0.60	cps
Lithium	6-1	2064245	2056713	2048677	2056545	0.38	cps
Magnesium	24-2	16409809	16246001	15947301	16201037	1.45	cps
Manganese	55-2	3952578	3951928	3903145	3935884	0.72	cps
Molybdenum	94-1	67183	66547	65954	66561	0.92	cps
Molybdenum	95-1	19633	19460	19713	19602	0.66	cps
Molybdenum	96-1	33442	32897	32480	32939	1.46	cps
Molybdenum	97-1	12168	11942	12455	12188	2.11	cps
Molybdenum	98-1	31781	31781	30518	31360	2.32	cps
Neodymium	150-1	122268	124809	123824	123634	1.04	cps
Neodymium	150-2	75504	74777	75749	75343	0.67	cps
Nickel	60-2	142395	143212	141241	142283	0.70	cps
Phosphorus	31-2	14797	14457	13983	14412	2.84	cps
Potassium	39-2	2150504	2130353	2148668	2143175	0.52	cps
Rhodium	103-1	12149000	12009587	11990761	12049783	0.72	cps
Rhodium	103-2	7301036	7224943	7109567	7211849	1.34	cps
Scandium	45-1	7352109	7285346	7117935	7251796	1.66	cps
Scandium	45-2	627159	624584	619137	623627	0.66	cps
Selenium	82-1	372	435	372	393	9.27	cps
Selenium	77-2	220	207	233	220	6.06	cps
Selenium	78-2	577	580	533	563	4.62	cps
Silicon	28-1	9154898	8722114	9231597	9036203	3.04	cps
Silver	107-1	3447	2994	2610	3017	13.89	cps
Silver	109-1	2987	2510	2210	2569	15.25	cps
Sodium	23-2	213690	213350	212420	213153	0.31	cps
Strontium	86-1	520982	517738	518300	519007	0.33	cps
Strontium	88-1	4751804	4691011	4555318	4666044	2.16	cps
Sulfur	34-1	245328	243543	245509	244793	0.44	cps
Terbium	159-1	16957546	17110090	16984904	17017514	0.48	cps
Terbium	159-2	11657756	11560548	11660010	11626105	0.49	cps
Thallium	203-1	6191	5811	5681	5895	4.50	cps
Thallium	205-1	14711	13687	13847	14082	3.91	cps
Tin	118-1	13900	13433	13059	13464	3.13	cps
Titanium	47-1	392710	386843	385462	388338	0.99	cps

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On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5352-04	Instrumnet Name :	P7
Client Sample ID :	ME2926	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:52:48	DataFile Name :	075SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	66351	67195	67939	67162	1.18	cps
Vanadium	51-2	243738	240415	240185	241446	0.82	cps
Yttrium	89-1	21347192	21076106	20786288	21069862	1.33	cps
Yttrium	89-2	5748819	5684328	5685534	5706227	0.65	cps
Zinc	66-2	157975	156335	154769	156360	1.03	cps
Zirconium	90-1	150098	151707	152745	151517	0.88	cps
Zirconium	91-1	33361	33408	36043	34271	4.48	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5352-05	Instrumnet Name :	P7
Client Sample ID :	ME2926D	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:56:00	DataFile Name :	076SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6202686	6155282	6191914	6183294	0.40	cps
Antimony	121-1	7212	6918	7135	7088	2.15	cps
Arsenic	75-2	10827	10757	10797	10794	0.33	cps
Barium	135-1	796089	795292	795952	795778	0.05	cps
Barium	137-1	1378120	1374839	1380632	1377864	0.21	cps
Beryllium	9-1	2030	2000	2097	2042	2.42	cps
Bismuth	209-1	9903577	9891485	9803264	9866109	0.56	cps
Bismuth	209-2	8308213	8270397	8287900	8288837	0.23	cps
Bromine	81-1	15698	15715	15812	15742	0.39	cps
Bromine	81-2	550	550	567	556	1.73	cps
Cadmium	108-1	247	223	237	236	4.97	cps
Cadmium	106-1	5431	5354	5101	5295	3.26	cps
Cadmium	111-1	2546	2537	2551	2545	0.30	cps
Calcium	43-1	2838963	2864844	2860252	2854686	0.48	cps
Calcium	44-1	45937788	45536059	45464116	45645988	0.56	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	214144	214463	213434	214014	0.25	cps
Cobalt	59-2	214108	210630	212165	212301	0.82	cps
Copper	63-2	271399	269231	269010	269880	0.49	cps
Dysprosium	156-1	78612	79309	78887	78936	0.44	cps
Dysprosium	156-2	64705	64711	65211	64876	0.45	cps
Erbium	164-1	65670	65868	66453	65997	0.62	cps
Erbium	164-2	46888	47621	46959	47156	0.86	cps
Gadolinium	160-1	78776	78284	79296	78785	0.64	cps
Gadolinium	160-2	59392	58913	58850	59052	0.50	cps
Holmium	165-1	16549772	16576841	16416007	16514207	0.52	cps
Holmium	165-2	11806459	11647646	11715205	11723103	0.68	cps
Indium	115-1	13059836	13025526	13025976	13037113	0.15	cps
Indium	115-2	4885797	4874431	4782507	4847578	1.17	cps
Iron	56-2	243121756	241157623	239710176	241329852	0.71	cps
Iron	57-2	6063247	6022751	6023870	6036623	0.38	cps
Iron	54-2	13117120	13093494	13152795	13121136	0.23	cps
Krypton	83-1	263	320	230	271	16.78	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5352-05	Instrumnet Name :	P7
Client Sample ID :	ME2926D	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:56:00	DataFile Name :	076SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	352994	353017	353433	353148	0.07	cps
Lead	207-1	283542	281632	286465	283880	0.86	cps
Lead	208-1	1336814	1343896	1351575	1344095	0.55	cps
Lithium	6-1	2021132	2033431	2045624	2033396	0.60	cps
Magnesium	24-2	15541270	15548622	15446509	15512133	0.37	cps
Manganese	55-2	3813610	3798768	3850368	3820915	0.70	cps
Molybdenum	94-1	63246	64845	64099	64063	1.25	cps
Molybdenum	95-1	17878	18248	18312	18146	1.29	cps
Molybdenum	96-1	31290	31193	31277	31253	0.17	cps
Molybdenum	97-1	11284	11481	11475	11413	0.98	cps
Molybdenum	98-1	28818	29587	29243	29216	1.32	cps
Neodymium	150-1	120112	122066	120143	120774	0.93	cps
Neodymium	150-2	73942	74341	73480	73921	0.58	cps
Nickel	60-2	136528	136286	136440	136418	0.09	cps
Phosphorus	31-2	13890	13856	13289	13678	2.47	cps
Potassium	39-2	2015318	2015655	2009582	2013518	0.17	cps
Rhodium	103-1	11989007	11855244	11854016	11899422	0.65	cps
Rhodium	103-2	7119691	7107023	7064705	7097140	0.41	cps
Scandium	45-1	7131304	6979546	6961651	7024167	1.33	cps
Scandium	45-2	610884	609202	606455	608847	0.37	cps
Selenium	82-1	377	257	303	312	19.31	cps
Selenium	77-2	170	187	180	179	4.69	cps
Selenium	78-2	567	580	600	582	2.88	cps
Silicon	28-1	7364077	8237096	8655228	8085467	8.15	cps
Silver	107-1	2277	2117	2287	2227	4.28	cps
Silver	109-1	2034	2147	1967	2049	4.44	cps
Sodium	23-2	207710	204070	205385	205722	0.90	cps
Strontium	86-1	497289	501245	500870	499801	0.44	cps
Strontium	88-1	4487178	4449082	4432475	4456245	0.63	cps
Sulfur	34-1	238783	241069	241640	240498	0.63	cps
Terbium	159-1	16921870	16843401	16965902	16910391	0.37	cps
Terbium	159-2	11740206	11523332	11594421	11619320	0.95	cps
Thallium	203-1	5238	5138	5431	5269	2.83	cps
Thallium	205-1	12516	12743	12406	12555	1.37	cps
Tin	118-1	12092	11581	11748	11807	2.20	cps
Titanium	47-1	371045	369797	362779	367874	1.21	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5352-05	Instrumnet Name :	P7
Client Sample ID :	ME2926D	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 18:56:00	DataFile Name :	076SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	65792	67729	68712	67411	2.20	cps
Vanadium	51-2	231536	234267	232574	232792	0.59	cps
Yttrium	89-1	20733813	20541498	20488125	20587812	0.63	cps
Yttrium	89-2	5622299	5592792	5624630	5613240	0.32	cps
Zinc	66-2	151832	150486	149738	150685	0.70	cps
Zirconium	90-1	143672	145439	145869	144993	0.80	cps
Zirconium	91-1	32673	32272	32463	32469	0.62	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5352-04LX5	Instrumnet Name :	P7
Client Sample ID :	ME2926L	Dilution Factor :	5
Date & Time Acquired :	2024-12-27 18:59:14	DataFile Name :	077SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1318796	1319756	1330150	1322901	0.48	cps
Antimony	121-1	1930	1867	1787	1861	3.86	cps
Arsenic	75-2	2384	2280	2070	2245	7.11	cps
Barium	135-1	161269	161845	159926	161013	0.61	cps
Barium	137-1	281184	283277	281142	281868	0.43	cps
Beryllium	9-1	453	477	533	488	8.43	cps
Bismuth	209-1	9782972	9825782	9725281	9778012	0.52	cps
Bismuth	209-2	8240324	8403074	8323177	8322191	0.98	cps
Bromine	81-1	15155	15081	14577	14938	2.10	cps
Bromine	81-2	243	267	233	248	6.90	cps
Cadmium	108-1	50	47	60	52	13.28	cps
Cadmium	106-1	4951	4828	4898	4892	1.27	cps
Cadmium	111-1	1317	1309	1307	1311	0.41	cps
Calcium	43-1	597262	604484	598577	600107	0.64	cps
Calcium	44-1	9372715	9527557	9491923	9464065	0.86	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	46000	47438	46471	46636	1.57	cps
Cobalt	59-2	45803	45215	45151	45390	0.79	cps
Copper	63-2	57734	58119	58560	58138	0.71	cps
Dysprosium	156-1	15702	15812	15916	15810	0.68	cps
Dysprosium	156-2	13226	13577	13777	13527	2.06	cps
Erbium	164-1	13350	13203	13353	13302	0.64	cps
Erbium	164-2	9753	9610	9537	9633	1.14	cps
Gadolinium	160-1	16400	15796	15849	16015	2.09	cps
Gadolinium	160-2	12509	12786	12559	12618	1.17	cps
Holmium	165-1	16159724	15944503	16184220	16096149	0.82	cps
Holmium	165-2	11587025	11631099	11635026	11617716	0.23	cps
Indium	115-1	12965619	13147417	12900329	13004455	0.98	cps
Indium	115-2	4920223	4891072	4927539	4912945	0.39	cps
Iron	56-2	51590553	50826753	50892809	51103371	0.83	cps
Iron	57-2	1287139	1277623	1277392	1280718	0.43	cps
Iron	54-2	2803482	2801078	2792224	2798928	0.21	cps
Krypton	83-1	260	207	217	228	12.45	cps

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On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5352-04LX5	Instrumnet Name :	P7
Client Sample ID :	ME2926L	Dilution Factor :	5
Date & Time Acquired :	2024-12-27 18:59:14	DataFile Name :	077SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	72602	72877	72237	72572	0.44	cps
Lead	207-1	57963	58375	57792	58043	0.52	cps
Lead	208-1	274374	275981	274802	275052	0.30	cps
Lithium	6-1	1986440	2003486	1983654	1991193	0.54	cps
Magnesium	24-2	3371486	3306434	3245468	3307796	1.91	cps
Manganese	55-2	791994	793593	787433	791007	0.40	cps
Molybdenum	94-1	12869	13099	13119	13029	1.07	cps
Molybdenum	95-1	3744	3994	3797	3845	3.43	cps
Molybdenum	96-1	6491	6365	6632	6496	2.06	cps
Molybdenum	97-1	2327	2537	2364	2409	4.66	cps
Molybdenum	98-1	6078	6425	5971	6158	3.85	cps
Neodymium	150-1	23780	24498	24705	24328	2.00	cps
Neodymium	150-2	15315	14734	14965	15005	1.95	cps
Nickel	60-2	29355	29242	29626	29408	0.67	cps
Phosphorus	31-2	2927	3087	3127	3047	3.47	cps
Potassium	39-2	483473	485290	481972	483578	0.34	cps
Rhodium	103-1	11859946	11995235	11999026	11951402	0.66	cps
Rhodium	103-2	7262051	7277245	7207889	7249062	0.50	cps
Scandium	45-1	6945703	7057955	7020187	7007948	0.82	cps
Scandium	45-2	611933	618881	616687	615834	0.58	cps
Selenium	82-1	68	181	153	134	43.68	cps
Selenium	77-2	30	43	63	46	36.83	cps
Selenium	78-2	433	430	450	438	2.45	cps
Silicon	28-1	2165570	2087738	2487445	2246917	9.43	cps
Silver	107-1	597	497	607	567	10.73	cps
Silver	109-1	497	390	483	457	12.73	cps
Sodium	23-2	67055	66165	65616	66279	1.10	cps
Strontium	86-1	103057	103068	101641	102589	0.80	cps
Strontium	88-1	879144	892599	884006	885250	0.77	cps
Sulfur	34-1	202989	202375	199856	201740	0.82	cps
Terbium	159-1	16628104	16539645	16605534	16591094	0.28	cps
Terbium	159-2	11549826	11531857	11549714	11543799	0.09	cps
Thallium	203-1	1240	1283	1253	1259	1.76	cps
Thallium	205-1	3120	2850	2927	2966	4.69	cps
Tin	118-1	3747	3734	3497	3659	3.84	cps
Titanium	47-1	76676	74834	76043	75851	1.23	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5352-04LX5	Instrumnet Name :	P7
Client Sample ID :	ME2926L	Dilution Factor :	5
Date & Time Acquired :	2024-12-27 18:59:14	DataFile Name :	077SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	13047	13210	13200	13152	0.70	cps
Vanadium	51-2	48451	50012	49845	49436	1.73	cps
Yttrium	89-1	19809228	19795241	19916740	19840403	0.34	cps
Yttrium	89-2	5505952	5500507	5473641	5493366	0.31	cps
Zinc	66-2	32893	32549	32362	32601	0.83	cps
Zirconium	90-1	31764	30154	29747	30555	3.49	cps
Zirconium	91-1	6682	6672	6578	6644	0.86	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5352-06	Instrumnet Name :	P7
Client Sample ID :	ME2926S	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:02:30	DataFile Name :	078SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6342474	6420274	6346655	6369801	0.69	cps
Antimony	121-1	6318	6435	6221	6325	1.69	cps
Arsenic	75-2	146060	146703	151245	148003	1.91	cps
Barium	135-1	2125040	2135819	2140930	2133929	0.38	cps
Barium	137-1	3690712	3681020	3668141	3679958	0.31	cps
Beryllium	9-1	16903	17036	17293	17077	1.16	cps
Bismuth	209-1	9857499	9811359	9943453	9870771	0.68	cps
Bismuth	209-2	8289086	8260199	8237389	8262225	0.31	cps
Bromine	81-1	15545	16069	15258	15624	2.63	cps
Bromine	81-2	523	473	503	500	5.03	cps
Cadmium	108-1	21459	22364	22030	21951	2.08	cps
Cadmium	106-1	34611	35072	35263	34982	0.96	cps
Cadmium	111-1	317942	319451	317984	318459	0.27	cps
Calcium	43-1	2855902	2854443	2906381	2872242	1.03	cps
Calcium	44-1	45712866	45900764	46570474	46061368	0.98	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	415649	407102	413101	411951	1.07	cps
Cobalt	59-2	972597	974409	974173	973726	0.10	cps
Copper	63-2	535077	529803	530282	531721	0.55	cps
Dysprosium	156-1	77485	79659	79661	78935	1.59	cps
Dysprosium	156-2	65435	66141	65873	65817	0.54	cps
Erbium	164-1	65328	67904	66949	66727	1.95	cps
Erbium	164-2	48049	48032	48052	48044	0.02	cps
Gadolinium	160-1	78790	80307	78079	79059	1.44	cps
Gadolinium	160-2	60055	59351	59378	59595	0.67	cps
Holmium	165-1	16339221	16701228	16444888	16495112	1.13	cps
Holmium	165-2	11963386	11729025	11747269	11813226	1.10	cps
Indium	115-1	12938356	12970106	13047886	12985449	0.43	cps
Indium	115-2	4829018	4814661	4752328	4798669	0.85	cps
Iron	56-2	245304063	244982416	244330570	244872350	0.20	cps
Iron	57-2	6095418	6083442	6132710	6103857	0.42	cps
Iron	54-2	13325949	13428530	13261735	13338738	0.63	cps
Krypton	83-1	293	243	253	263	10.05	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5352-06	Instrumnet Name :	P7
Client Sample ID :	ME2926S	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:02:30	DataFile Name :	078SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2112596	2173178	2152156	2145977	1.43	cps
Lead	207-1	1641747	1657646	1658367	1652587	0.57	cps
Lead	208-1	8069279	8097548	8187437	8118088	0.76	cps
Lithium	6-1	2011950	2033667	2004654	2016757	0.75	cps
Magnesium	24-2	15718650	15678166	15727147	15707988	0.17	cps
Manganese	55-2	4295719	4327539	4247802	4290353	0.94	cps
Molybdenum	94-1	70107	73796	70569	71491	2.81	cps
Molybdenum	95-1	30398	30388	30719	30502	0.62	cps
Molybdenum	96-1	44752	45581	44849	45060	1.01	cps
Molybdenum	97-1	19036	19126	19189	19117	0.40	cps
Molybdenum	98-1	49213	49253	49283	49249	0.07	cps
Neodymium	150-1	120721	121825	122019	121522	0.58	cps
Neodymium	150-2	74613	74629	74174	74472	0.35	cps
Nickel	60-2	329283	328425	330195	329301	0.27	cps
Phosphorus	31-2	13790	13983	13843	13872	0.72	cps
Potassium	39-2	2117139	2083910	2104655	2101901	0.80	cps
Rhodium	103-1	11850928	11823242	11901598	11858589	0.34	cps
Rhodium	103-2	7087004	7093531	7033826	7071454	0.46	cps
Scandium	45-1	7034888	6952429	7064738	7017352	0.83	cps
Scandium	45-2	609766	607490	606157	607804	0.30	cps
Selenium	82-1	44098	44369	44513	44327	0.48	cps
Selenium	77-2	5064	4924	5031	5006	1.46	cps
Selenium	78-2	16539	16466	16736	16580	0.84	cps
Silicon	28-1	11154724	10606073	11602866	11121221	4.49	cps
Silver	107-1	157110	160095	159407	158870	0.98	cps
Silver	109-1	151324	151755	152045	151708	0.24	cps
Sodium	23-2	214928	217530	248837	227098	8.31	cps
Strontium	86-1	501560	502515	504040	502705	0.25	cps
Strontium	88-1	4442725	4455507	4456447	4451559	0.17	cps
Sulfur	34-1	240564	237748	241810	240040	0.87	cps
Terbium	159-1	16807781	16916931	16847043	16857252	0.33	cps
Terbium	159-2	11600844	11492125	11686936	11593301	0.84	cps
Thallium	203-1	2347663	2347645	2365826	2353711	0.45	cps
Thallium	205-1	5491006	5517200	5532497	5513568	0.38	cps
Tin	118-1	12165	12319	12199	12228	0.66	cps
Titanium	47-1	383815	389137	380685	384546	1.11	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5352-06	Instrumnet Name :	P7
Client Sample ID :	ME2926S	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:02:30	DataFile Name :	078SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	67396	68579	67089	67688	1.16	cps
Vanadium	51-2	664271	663518	663942	663910	0.06	cps
Yttrium	89-1	20598946	20782686	20717315	20699649	0.45	cps
Yttrium	89-2	5605459	5596037	5636580	5612692	0.38	cps
Zinc	66-2	250429	246590	248491	248503	0.77	cps
Zirconium	90-1	146266	149506	148633	148135	1.13	cps
Zirconium	91-1	32877	31808	32626	32437	1.72	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5363-06	Instrumnet Name :	P7
Client Sample ID :	MJNKA6	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:05:37	DataFile Name :	079SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2435130	2451907	2448367	2445135	0.36	cps
Antimony	121-1	1723296	1750907	1765385	1746529	1.22	cps
Arsenic	75-2	140518	139794	141685	140665	0.68	cps
Barium	135-1	320203	326150	325367	323907	1.00	cps
Barium	137-1	564444	564364	569525	566111	0.52	cps
Beryllium	9-1	460	423	490	458	7.29	cps
Bismuth	209-1	10177859	10214488	10152343	10181563	0.31	cps
Bismuth	209-2	8539455	8439037	8474813	8484435	0.60	cps
Bromine	81-1	49349	51175	52282	50935	2.91	cps
Bromine	81-2	7782	8276	8066	8041	3.08	cps
Cadmium	108-1	513	557	517	529	4.56	cps
Cadmium	106-1	5558	5805	5521	5628	2.74	cps
Cadmium	111-1	5415	5516	5529	5487	1.14	cps
Calcium	43-1	917290	926881	924001	922724	0.53	cps
Calcium	44-1	14546778	14641915	14441200	14543298	0.69	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	139464	138906	139357	139242	0.21	cps
Cobalt	59-2	262653	261510	264058	262741	0.49	cps
Copper	63-2	2815318	2774162	2776305	2788595	0.83	cps
Dysprosium	156-1	25967	26652	27026	26548	2.02	cps
Dysprosium	156-2	22622	22622	22097	22447	1.35	cps
Erbium	164-1	22902	23032	23486	23140	1.33	cps
Erbium	164-2	16296	16486	16630	16471	1.02	cps
Gadolinium	160-1	26175	25837	26579	26197	1.42	cps
Gadolinium	160-2	19894	20592	20458	20315	1.82	cps
Holmium	165-1	16292345	16448700	16537266	16426104	0.75	cps
Holmium	165-2	11853831	11945238	11848645	11882571	0.46	cps
Indium	115-1	13168652	13174514	13337871	13227012	0.73	cps
Indium	115-2	5026492	4998946	5002288	5009242	0.30	cps
Iron	56-2	146858038	147458024	147359774	147225279	0.22	cps
Iron	57-2	3637807	3646839	3670254	3651634	0.46	cps
Iron	54-2	7983980	7975202	7981972	7980385	0.06	cps
Krypton	83-1	250	210	210	223	10.34	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5363-06	Instrumnet Name :	P7
Client Sample ID :	MJNKA6	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:05:37	DataFile Name :	079SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3746442	3782559	3856987	3795329	1.49	cps
Lead	207-1	3259667	3227472	3319420	3268853	1.43	cps
Lead	208-1	14916168	14894375	15165906	14992150	1.01	cps
Lithium	6-1	1993479	2003904	2032639	2010007	1.01	cps
Magnesium	24-2	2530638	2525524	2493681	2516614	0.80	cps
Manganese	55-2	1115664	1118934	1118898	1117832	0.17	cps
Molybdenum	94-1	49082	48891	50904	49626	2.24	cps
Molybdenum	95-1	42358	42428	43568	42785	1.59	cps
Molybdenum	96-1	51423	52531	52467	52140	1.19	cps
Molybdenum	97-1	26648	27472	27336	27152	1.63	cps
Molybdenum	98-1	68657	69712	70526	69632	1.35	cps
Neodymium	150-1	42591	42728	42180	42499	0.67	cps
Neodymium	150-2	26091	26371	26932	26465	1.62	cps
Nickel	60-2	43256	42965	43817	43346	1.00	cps
Phosphorus	31-2	12565	12055	12559	12393	2.36	cps
Potassium	39-2	1331699	1341630	1303954	1325761	1.47	cps
Rhodium	103-1	11943197	12031554	12030396	12001716	0.42	cps
Rhodium	103-2	7241453	7263297	7266156	7256969	0.19	cps
Scandium	45-1	6875507	6955779	6886592	6905959	0.63	cps
Scandium	45-2	609226	609205	607040	608491	0.21	cps
Selenium	82-1	296	356	346	333	9.62	cps
Selenium	77-2	93	80	90	88	7.90	cps
Selenium	78-2	523	523	467	504	6.49	cps
Silicon	28-1	8769336	9877839	9236503	9294559	5.99	cps
Silver	107-1	23916	23706	24304	23975	1.26	cps
Silver	109-1	22705	22968	22875	22849	0.59	cps
Sodium	23-2	8863336	8831481	8932640	8875819	0.58	cps
Strontium	86-1	848319	851532	857884	852578	0.57	cps
Strontium	88-1	7562958	7631853	7449777	7548196	1.22	cps
Sulfur	34-1	350288	350837	351457	350861	0.17	cps
Terbium	159-1	16739620	16733706	16883978	16785768	0.51	cps
Terbium	159-2	11746872	11634135	11684983	11688664	0.48	cps
Thallium	203-1	4261	3964	4054	4093	3.72	cps
Thallium	205-1	9977	9854	9864	9898	0.69	cps
Tin	118-1	396302	404680	405734	402239	1.28	cps
Titanium	47-1	775104	779373	780036	778171	0.34	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5363-06	Instrumnet Name :	P7
Client Sample ID :	MJNKA6	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:05:37	DataFile Name :	079SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	55733	55478	55760	55657	0.28	cps
Vanadium	51-2	166365	167937	166850	167051	0.48	cps
Yttrium	89-1	20088008	20050791	19815961	19984920	0.74	cps
Yttrium	89-2	5555656	5517885	5473087	5515542	0.75	cps
Zinc	66-2	1688103	1705504	1690505	1694704	0.56	cps
Zirconium	90-1	65888	67875	67401	67054	1.55	cps
Zirconium	91-1	14724	14794	14671	14730	0.42	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5363-07	Instrumnet Name :	P7
Client Sample ID :	MJNKA6D	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:08:43	DataFile Name :	080SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2490147	2488948	2455053	2478049	0.80	cps
Antimony	121-1	1777340	1777904	1791298	1782181	0.44	cps
Arsenic	75-2	144677	143680	144754	144370	0.41	cps
Barium	135-1	325817	328151	330074	328014	0.65	cps
Barium	137-1	562817	571830	572496	569048	0.95	cps
Beryllium	9-1	457	447	507	470	6.84	cps
Bismuth	209-1	10107514	10077628	10098440	10094527	0.15	cps
Bismuth	209-2	8518206	8429443	8367839	8438496	0.90	cps
Bromine	81-1	51884	53098	55009	53330	2.95	cps
Bromine	81-2	8436	8186	8146	8256	1.90	cps
Cadmium	108-1	503	433	463	467	7.53	cps
Cadmium	106-1	5378	5454	5198	5343	2.47	cps
Cadmium	111-1	5227	5314	5494	5345	2.55	cps
Calcium	43-1	936963	949430	943848	943414	0.66	cps
Calcium	44-1	14697581	14868553	14744698	14770277	0.60	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	143239	141456	141177	141957	0.79	cps
Cobalt	59-2	268896	267395	266307	267532	0.49	cps
Copper	63-2	2843754	2824256	2817165	2828391	0.49	cps
Dysprosium	156-1	26168	26248	26999	26472	1.73	cps
Dysprosium	156-2	22728	22074	22131	22311	1.62	cps
Erbium	164-1	23256	23997	23657	23637	1.57	cps
Erbium	164-2	16703	16743	17111	16852	1.33	cps
Gadolinium	160-1	26228	26298	26321	26282	0.19	cps
Gadolinium	160-2	20552	20549	20211	20437	0.96	cps
Holmium	165-1	16623946	16428874	16681250	16578023	0.80	cps
Holmium	165-2	11767571	11919655	11643680	11776969	1.17	cps
Indium	115-1	13336104	13288715	13277109	13300643	0.23	cps
Indium	115-2	4988134	5070933	4999657	5019575	0.89	cps
Iron	56-2	150863881	149205428	149189914	149753074	0.64	cps
Iron	57-2	3700110	3684990	3696414	3693838	0.21	cps
Iron	54-2	8253387	8229731	8176059	8219726	0.48	cps
Krypton	83-1	280	233	243	252	9.74	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5363-07	Instrumnet Name :	P7
Client Sample ID :	MJNKA6D	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:08:43	DataFile Name :	080SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3795197	3854626	3801965	3817263	0.85	cps
Lead	207-1	3288442	3337596	3360284	3328774	1.10	cps
Lead	208-1	15030211	15207080	15151602	15129631	0.60	cps
Lithium	6-1	2019932	1985936	2002832	2002900	0.85	cps
Magnesium	24-2	2593348	2555246	2564914	2571169	0.77	cps
Manganese	55-2	1143808	1148115	1133692	1141872	0.65	cps
Molybdenum	94-1	48226	49563	50122	49304	1.98	cps
Molybdenum	95-1	43274	44524	43033	43610	1.84	cps
Molybdenum	96-1	53220	53076	53474	53257	0.38	cps
Molybdenum	97-1	27583	27780	27499	27621	0.52	cps
Molybdenum	98-1	69702	71400	71132	70745	1.29	cps
Neodymium	150-1	42932	43734	43166	43277	0.95	cps
Neodymium	150-2	26398	26568	26104	26357	0.89	cps
Nickel	60-2	44205	44181	44188	44192	0.03	cps
Phosphorus	31-2	12425	12665	12408	12500	1.15	cps
Potassium	39-2	1361114	1361939	1360655	1361236	0.05	cps
Rhodium	103-1	12097207	12143281	12078908	12106465	0.27	cps
Rhodium	103-2	7291369	7338442	7341126	7323646	0.38	cps
Scandium	45-1	7056021	7031945	7004015	7030660	0.37	cps
Scandium	45-2	622600	618880	610585	617355	1.00	cps
Selenium	82-1	324	372	326	341	7.95	cps
Selenium	77-2	73	107	83	88	19.49	cps
Selenium	78-2	527	507	437	490	9.64	cps
Silicon	28-1	8939573	9441242	8108509	8829775	7.62	cps
Silver	107-1	24043	24377	24230	24217	0.69	cps
Silver	109-1	22608	23289	23285	23061	1.70	cps
Sodium	23-2	9149869	9097158	9091554	9112860	0.35	cps
Strontium	86-1	858556	869644	867038	865079	0.67	cps
Strontium	88-1	7679377	7844459	7749983	7757940	1.07	cps
Sulfur	34-1	352060	352207	353578	352615	0.24	cps
Terbium	159-1	16751694	16873162	17002066	16875641	0.74	cps
Terbium	159-2	11668234	11688663	11600205	11652367	0.40	cps
Thallium	203-1	3530	3527	3551	3536	0.36	cps
Thallium	205-1	8166	8566	7956	8229	3.77	cps
Tin	118-1	403522	406265	403730	404505	0.38	cps
Titanium	47-1	798881	802351	794318	798517	0.50	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5363-07	Instrumnet Name :	P7
Client Sample ID :	MJNKA6D	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:08:43	DataFile Name :	080SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	55244	55827	55562	55544	0.53	cps
Vanadium	51-2	171087	170986	170720	170931	0.11	cps
Yttrium	89-1	20462987	20446147	20442039	20450391	0.05	cps
Yttrium	89-2	5583223	5621892	5602622	5602579	0.35	cps
Zinc	66-2	1716079	1720714	1690947	1709247	0.94	cps
Zirconium	90-1	66771	68750	66882	67468	1.65	cps
Zirconium	91-1	15903	15322	15482	15569	1.93	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5363-06LX5	Instrumnet Name :	P7
Client Sample ID :	MJNKA6L	Dilution Factor :	5
Date & Time Acquired :	2024-12-27 19:11:51	DataFile Name :	081SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	491531	489799	485991	489107	0.58	cps
Antimony	121-1	336449	336003	338297	336916	0.36	cps
Arsenic	75-2	28865	29272	28791	28976	0.89	cps
Barium	135-1	65064	64947	64783	64931	0.22	cps
Barium	137-1	113567	114171	113290	113676	0.40	cps
Beryllium	9-1	103	127	183	138	29.86	cps
Bismuth	209-1	9736894	9698850	9605883	9680542	0.70	cps
Bismuth	209-2	8372896	8341283	8334852	8349677	0.24	cps
Bromine	81-1	23115	23148	23279	23181	0.37	cps
Bromine	81-2	1840	1810	1810	1820	0.95	cps
Cadmium	108-1	70	97	113	93	23.42	cps
Cadmium	106-1	4938	4931	4614	4828	3.83	cps
Cadmium	111-1	1892	1857	1843	1864	1.36	cps
Calcium	43-1	190806	191883	192245	191645	0.39	cps
Calcium	44-1	3003355	3045270	2965141	3004589	1.33	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	30304	30103	30387	30265	0.48	cps
Cobalt	59-2	54870	54759	54753	54794	0.12	cps
Copper	63-2	571768	574407	571403	572526	0.29	cps
Dysprosium	156-1	5311	5311	5338	5320	0.29	cps
Dysprosium	156-2	4414	4304	4571	4430	3.03	cps
Erbium	164-1	4574	4734	4497	4602	2.62	cps
Erbium	164-2	3564	3314	3267	3382	4.72	cps
Gadolinium	160-1	4881	5221	5261	5121	4.08	cps
Gadolinium	160-2	4524	4521	4411	4485	1.44	cps
Holmium	165-1	16220935	16030001	15985545	16078827	0.78	cps
Holmium	165-2	11579247	11616420	11518722	11571463	0.43	cps
Indium	115-1	13189385	13192506	13057202	13146365	0.59	cps
Indium	115-2	4990557	4953377	4916922	4953619	0.74	cps
Iron	56-2	30433207	30551140	30549054	30511133	0.22	cps
Iron	57-2	764652	762914	763279	763615	0.12	cps
Iron	54-2	1712165	1676108	1677028	1688433	1.22	cps
Krypton	83-1	230	167	240	212	18.74	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5363-06LX5	Instrumnet Name :	P7
Client Sample ID :	MJNKA6L	Dilution Factor :	5
Date & Time Acquired :	2024-12-27 19:11:51	DataFile Name :	081SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	708454	711769	706859	709027	0.35	cps
Lead	207-1	603836	605038	602526	603800	0.21	cps
Lead	208-1	2771108	2798997	2775083	2781729	0.54	cps
Lithium	6-1	1978876	1961958	1977065	1972633	0.47	cps
Magnesium	24-2	495217	498938	493864	496006	0.53	cps
Manganese	55-2	232329	234056	233500	233295	0.38	cps
Molybdenum	94-1	9793	10110	9850	9918	1.70	cps
Molybdenum	95-1	8950	9386	8826	9054	3.25	cps
Molybdenum	96-1	10731	10661	10624	10672	0.51	cps
Molybdenum	97-1	5648	5761	5738	5716	1.05	cps
Molybdenum	98-1	13893	14407	14324	14208	1.94	cps
Neodymium	150-1	8192	8232	8736	8387	3.61	cps
Neodymium	150-2	5478	5461	5004	5314	5.06	cps
Nickel	60-2	9556	9290	9890	9579	3.14	cps
Phosphorus	31-2	2564	2657	2604	2608	1.80	cps
Potassium	39-2	326798	327898	330095	328264	0.51	cps
Rhodium	103-1	12161896	12205881	12175248	12181008	0.19	cps
Rhodium	103-2	7312738	7406008	7314107	7344284	0.73	cps
Scandium	45-1	7029997	7064065	6998956	7031006	0.46	cps
Scandium	45-2	623828	624034	621489	623117	0.23	cps
Selenium	82-1	213	218	133	188	25.52	cps
Selenium	77-2	13	27	27	22	34.66	cps
Selenium	78-2	560	477	503	513	8.29	cps
Silicon	28-1	2308489	2901883	2321435	2510602	13.50	cps
Silver	107-1	4677	4771	4677	4709	1.14	cps
Silver	109-1	4781	4561	4627	4656	2.42	cps
Sodium	23-2	1885627	1884784	1868508	1879640	0.51	cps
Strontium	86-1	171058	172878	174166	172701	0.90	cps
Strontium	88-1	1534079	1542834	1538800	1538571	0.28	cps
Sulfur	34-1	223068	224782	221096	222982	0.83	cps
Terbium	159-1	16490243	16419735	16659180	16523053	0.74	cps
Terbium	159-2	11473817	11505776	11453331	11477641	0.23	cps
Thallium	203-1	853	870	820	848	3.00	cps
Thallium	205-1	2137	2084	2077	2099	1.57	cps
Tin	118-1	80473	80979	82575	81342	1.35	cps
Titanium	47-1	164400	162253	160978	162544	1.06	cps

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On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5363-06LX5	Instrumnet Name :	P7
Client Sample ID :	MJNKA6L	Dilution Factor :	5
Date & Time Acquired :	2024-12-27 19:11:51	DataFile Name :	081SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	10684	10451	11135	10757	3.23	cps
Vanadium	51-2	34800	34920	35362	35027	0.84	cps
Yttrium	89-1	20133638	19964488	19831383	19976503	0.76	cps
Yttrium	89-2	5498241	5574404	5574224	5548956	0.79	cps
Zinc	66-2	349879	348588	347752	348740	0.31	cps
Zirconium	90-1	14534	13393	13306	13744	4.98	cps
Zirconium	91-1	3164	3027	2940	3044	3.70	cps

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On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5363-06RE	Instrumnet Name :	P7
Client Sample ID :	MJNKA6	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:15:06	DataFile Name :	082SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2540615	2477904	2498903	2505807	1.27	cps
Antimony	121-1	1716158	1731542	1749545	1732415	0.96	cps
Arsenic	75-2	146164	145309	143449	144974	0.96	cps
Barium	135-1	323681	328283	325294	325753	0.72	cps
Barium	137-1	561560	568088	566958	565535	0.62	cps
Beryllium	9-1	390	473	443	436	9.69	cps
Bismuth	209-1	9899332	10069657	9929093	9966027	0.91	cps
Bismuth	209-2	8294435	8351169	8388672	8344759	0.57	cps
Bromine	81-1	49523	50924	53577	51341	4.01	cps
Bromine	81-2	8022	7839	7762	7874	1.70	cps
Cadmium	108-1	463	537	623	541	14.80	cps
Cadmium	106-1	5788	5731	5558	5692	2.11	cps
Cadmium	111-1	5361	5444	5443	5416	0.88	cps
Calcium	43-1	942831	951224	944292	946116	0.47	cps
Calcium	44-1	14704093	15051762	14880994	14878950	1.17	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	143357	143336	143336	143343	0.01	cps
Cobalt	59-2	271850	271022	271542	271471	0.15	cps
Copper	63-2	2878027	2920750	2850566	2883114	1.23	cps
Dysprosium	156-1	26485	27216	25603	26435	3.06	cps
Dysprosium	156-2	22518	22251	22642	22470	0.89	cps
Erbium	164-1	23253	22705	23343	23100	1.49	cps
Erbium	164-2	17017	16386	16934	16779	2.04	cps
Gadolinium	160-1	26018	25647	26041	25902	0.85	cps
Gadolinium	160-2	20682	20081	19641	20135	2.60	cps
Holmium	165-1	16589804	16414863	16448223	16484297	0.56	cps
Holmium	165-2	11916891	11800435	11854479	11857268	0.49	cps
Indium	115-1	13544953	13500842	13477140	13507645	0.25	cps
Indium	115-2	5044487	5032272	5115814	5064191	0.89	cps
Iron	56-2	152413481	150488878	151322254	151408204	0.64	cps
Iron	57-2	3760065	3747093	3768162	3758440	0.28	cps
Iron	54-2	8260081	8188321	8233093	8227165	0.44	cps
Krypton	83-1	187	257	257	233	17.32	cps

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5363-06RE	Instrumnet Name :	P7
Client Sample ID :	MJNKA6	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:15:06	DataFile Name :	082SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3657873	3731047	3739006	3709308	1.21	cps
Lead	207-1	3128240	3237546	3263655	3209814	2.24	cps
Lead	208-1	14380288	14759354	14771614	14637085	1.52	cps
Lithium	6-1	2024560	1999897	2027346	2017268	0.75	cps
Magnesium	24-2	2626349	2554009	2587765	2589374	1.40	cps
Manganese	55-2	1151177	1152486	1144868	1149510	0.35	cps
Molybdenum	94-1	47042	47554	48567	47721	1.63	cps
Molybdenum	95-1	43020	43648	43123	43264	0.78	cps
Molybdenum	96-1	52628	51925	52035	52196	0.72	cps
Molybdenum	97-1	27082	26918	27329	27110	0.76	cps
Molybdenum	98-1	69340	70154	70479	69991	0.84	cps
Neodymium	150-1	43517	42591	42798	42969	1.13	cps
Neodymium	150-2	26435	26248	26091	26258	0.66	cps
Nickel	60-2	44409	44232	45245	44628	1.21	cps
Phosphorus	31-2	12986	12672	12989	12882	1.41	cps
Potassium	39-2	1391414	1351826	1370239	1371160	1.44	cps
Rhodium	103-1	12404034	12151474	12260252	12271920	1.03	cps
Rhodium	103-2	7444624	7279122	7393164	7372304	1.15	cps
Scandium	45-1	7176051	7136265	7167264	7159860	0.29	cps
Scandium	45-2	628985	627194	627732	627970	0.15	cps
Selenium	82-1	404	327	265	332	21.00	cps
Selenium	77-2	83	87	133	101	27.65	cps
Selenium	78-2	573	567	503	548	7.05	cps
Silicon	28-1	6971436	7165550	6983461	7040149	1.54	cps
Silver	107-1	23836	24454	24694	24328	1.82	cps
Silver	109-1	23105	23102	23162	23123	0.15	cps
Sodium	23-2	9131334	9112653	9099160	9114382	0.18	cps
Strontium	86-1	868925	862569	869859	867118	0.46	cps
Strontium	88-1	7746343	7739633	7653560	7713178	0.67	cps
Sulfur	34-1	359263	355331	357187	357261	0.55	cps
Terbium	159-1	16883171	16774508	16895957	16851212	0.40	cps
Terbium	159-2	11654846	11565036	11669699	11629860	0.49	cps
Thallium	203-1	3280	3357	3177	3272	2.76	cps
Thallium	205-1	7566	7916	7779	7753	2.28	cps
Tin	118-1	400230	403114	402293	401879	0.37	cps
Titanium	47-1	807074	808490	808414	807992	0.10	cps

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On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5363-06RE	Instrumnet Name :	P7
Client Sample ID :	MJNKA6	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:15:06	DataFile Name :	082SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	54726	54528	55311	54855	0.74	cps
Vanadium	51-2	173841	171141	171454	172145	0.86	cps
Yttrium	89-1	20630947	20531391	20361068	20507802	0.67	cps
Yttrium	89-2	5723616	5666184	5644502	5678101	0.72	cps
Zinc	66-2	1745353	1747072	1737939	1743455	0.28	cps
Zirconium	90-1	63450	64380	63734	63855	0.75	cps
Zirconium	91-1	14300	14120	14584	14335	1.63	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5347-01	Instrumnet Name :	P7
Client Sample ID :	MJNBZ9	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:18:14	DataFile Name :	083SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	29776	28356	28734	28955	2.54	cps
Antimony	121-1	3287	2914	2904	3035	7.20	cps
Arsenic	75-2	457	403	397	419	7.85	cps
Barium	135-1	3367	3614	3367	3449	4.13	cps
Barium	137-1	5995	6001	5951	5982	0.45	cps
Beryllium	9-1	110	57	90	86	31.49	cps
Bismuth	209-1	9787779	9747321	9794418	9776506	0.26	cps
Bismuth	209-2	8332812	8330357	8302614	8321928	0.20	cps
Bromine	81-1	18775	18578	18161	18505	1.69	cps
Bromine	81-2	940	877	970	929	5.13	cps
Cadmium	108-1	20	17	30	22	31.22	cps
Cadmium	106-1	4924	4934	4361	4740	6.93	cps
Cadmium	111-1	1013	1030	909	984	6.66	cps
Calcium	43-1	637944	634326	627469	633246	0.84	cps
Calcium	44-1	10102741	10112589	9815169	10010166	1.69	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	5321	5134	5168	5208	1.91	cps
Cobalt	59-2	1960	1947	1917	1941	1.14	cps
Copper	63-2	30708	30655	30842	30735	0.31	cps
Dysprosium	156-1	680	793	743	739	7.69	cps
Dysprosium	156-2	500	493	563	519	7.45	cps
Erbium	164-1	1327	1280	1213	1273	4.47	cps
Erbium	164-2	900	880	813	864	5.25	cps
Gadolinium	160-1	867	867	937	890	4.54	cps
Gadolinium	160-2	1273	1257	1217	1249	2.33	cps
Holmium	165-1	16014864	16042659	15931292	15996272	0.36	cps
Holmium	165-2	11546039	11604124	11555609	11568591	0.27	cps
Indium	115-1	13184226	13113519	12956889	13084878	0.89	cps
Indium	115-2	4895709	4868025	4945692	4903142	0.80	cps
Iron	56-2	921038	914924	903623	913195	0.97	cps
Iron	57-2	33858	33942	34028	33943	0.25	cps
Iron	54-2	51879	51334	51307	51507	0.63	cps
Krypton	83-1	190	200	203	198	3.51	cps

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On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5347-01	Instrumnet Name :	P7
Client Sample ID :	MJNBZ9	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:18:14	DataFile Name :	083SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3531	3167	2700	3133	13.29	cps
Lead	207-1	3300	2770	2447	2839	15.18	cps
Lead	208-1	14316	12666	11132	12705	12.54	cps
Lithium	6-1	1969383	1972747	1952466	1964865	0.55	cps
Magnesium	24-2	2007151	2005746	1992394	2001764	0.41	cps
Manganese	55-2	41668	41246	40638	41184	1.26	cps
Molybdenum	94-1	5171	4894	5188	5084	3.24	cps
Molybdenum	95-1	2970	3050	2920	2980	2.20	cps
Molybdenum	96-1	3757	3951	3754	3821	2.95	cps
Molybdenum	97-1	1850	1837	1967	1885	3.80	cps
Molybdenum	98-1	4934	5041	4978	4984	1.08	cps
Neodymium	150-1	773	763	737	758	2.50	cps
Neodymium	150-2	503	470	347	440	18.76	cps
Nickel	60-2	4361	3947	3897	4068	6.25	cps
Phosphorus	31-2	370	353	413	379	8.17	cps
Potassium	39-2	380167	373312	370709	374729	1.30	cps
Rhodium	103-1	12306116	12206670	12035203	12182663	1.12	cps
Rhodium	103-2	7204012	7080969	7104532	7129838	0.92	cps
Scandium	45-1	7147981	7030978	6928227	7035729	1.56	cps
Scandium	45-2	600415	596689	594491	597198	0.50	cps
Selenium	82-1	429	368	403	400	7.61	cps
Selenium	77-2	27	3	47	26	84.88	cps
Selenium	78-2	523	457	450	477	8.51	cps
Silicon	28-1	55445824	54859381	54206784	54837330	1.13	cps
Silver	107-1	213	213	217	214	0.90	cps
Silver	109-1	147	153	140	147	4.55	cps
Sodium	23-2	7012545	6834487	6864206	6903746	1.38	cps
Strontium	86-1	108294	108969	106491	107918	1.19	cps
Strontium	88-1	943053	933002	933062	936372	0.62	cps
Sulfur	34-1	365235	358360	355615	359737	1.38	cps
Terbium	159-1	16637548	16475184	16570721	16561151	0.49	cps
Terbium	159-2	11443737	11276321	11438835	11386297	0.84	cps
Thallium	203-1	327	257	307	297	12.15	cps
Thallium	205-1	813	737	670	740	9.69	cps
Tin	118-1	2624	2354	2477	2485	5.44	cps
Titanium	47-1	4101	4038	5799	4646	21.51	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5347-01	Instrumnet Name :	P7
Client Sample ID :	MJNBZ9	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:18:14	DataFile Name :	083SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	3794	3597	3554	3648	3.51	cps
Vanadium	51-2	6001	5825	5838	5888	1.67	cps
Yttrium	89-1	20013721	19971515	19727506	19904247	0.78	cps
Yttrium	89-2	5469240	5372210	5439407	5426952	0.92	cps
Zinc	66-2	1603	1580	1507	1563	3.23	cps
Zirconium	90-1	15051	9370	9396	11272	29.03	cps
Zirconium	91-1	2147	2184	2014	2115	4.23	cps

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	CCV014	Instrumnet Name :	P7
Client Sample ID :	CCV014	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:21:46	DataFile Name :	084CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	13338558	13502165	13238330	13359685	1.00	cps
Antimony	121-1	5978637	5936758	5914407	5943267	0.55	cps
Arsenic	75-2	284193	284597	284743	284511	0.10	cps
Barium	135-1	7659125	7802674	7653211	7705003	1.10	cps
Barium	137-1	13296677	13384473	13229574	13303575	0.58	cps
Beryllium	9-1	692107	698844	683201	691384	1.13	cps
Bismuth	209-1	9039963	8890179	8846078	8925407	1.14	cps
Bismuth	209-2	7376085	7436273	7371236	7394531	0.49	cps
Bromine	81-1	14327	13666	13323	13772	3.71	cps
Bromine	81-2	183	220	167	190	14.36	cps
Cadmium	108-1	107639	108425	106414	107492	0.94	cps
Cadmium	106-1	155920	155431	153599	154983	0.79	cps
Cadmium	111-1	1456342	1472362	1435077	1454594	1.29	cps
Calcium	43-1	7599466	7510502	7376070	7495346	1.50	cps
Calcium	44-1	120303245	119088632	118072735	119154870	0.94	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2212247	2193252	2211021	2205507	0.48	cps
Cobalt	59-2	3457965	3405372	3420709	3428015	0.79	cps
Copper	63-2	24018147	23687526	23694915	23800196	0.79	cps
Dysprosium	156-1	360	327	323	337	6.02	cps
Dysprosium	156-2	520	470	613	534	13.61	cps
Erbium	164-1	277	437	333	349	23.25	cps
Erbium	164-2	173	237	277	229	22.76	cps
Gadolinium	160-1	280	327	277	294	9.49	cps
Gadolinium	160-2	730	750	820	767	6.16	cps
Holmium	165-1	15743903	15567170	15249638	15520237	1.61	cps
Holmium	165-2	11026115	10957851	11048209	11010725	0.43	cps
Indium	115-1	11946677	11751067	11497416	11731720	1.92	cps
Indium	115-2	4346374	4369476	4345590	4353813	0.31	cps
Iron	56-2	520514352	521307846	517880246	519900814	0.35	cps
Iron	57-2	13065948	13058020	13082309	13068759	0.09	cps
Iron	54-2	28271702	28191909	28119830	28194480	0.27	cps
Krypton	83-1	217	270	193	227	17.34	cps

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	CCV014	Instrumnet Name :	P7
Client Sample ID :	CCV014	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:21:46	DataFile Name :	084CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	23155875	23706759	23331154	23397929	1.20	cps
Lead	207-1	20241708	20485023	20384175	20370302	0.60	cps
Lead	208-1	92560281	94249281	93244757	93351439	0.91	cps
Lithium	6-1	1878368	1884400	1837462	1866743	1.37	cps
Magnesium	24-2	100463129	100765165	99171449	100133247	0.85	cps
Manganese	55-2	18044108	17903871	17942749	17963576	0.40	cps
Molybdenum	94-1	20266115	20540913	20242527	20349852	0.82	cps
Molybdenum	95-1	29604340	30078142	29450815	29711099	1.10	cps
Molybdenum	96-1	32393873	33047645	32100820	32514113	1.49	cps
Molybdenum	97-1	18487527	18782188	18264816	18511510	1.40	cps
Molybdenum	98-1	47725438	47982071	46867716	47525075	1.23	cps
Neodymium	150-1	503	463	507	491	4.91	cps
Neodymium	150-2	150	133	117	133	12.50	cps
Nickel	60-2	815856	810380	803088	809775	0.79	cps
Phosphorus	31-2	117489	115730	114991	116070	1.11	cps
Potassium	39-2	65633051	65091866	64460866	65061927	0.90	cps
Rhodium	103-1	10771875	10345023	10174609	10430502	2.95	cps
Rhodium	103-2	6055393	6093677	6044077	6064382	0.43	cps
Scandium	45-1	6657897	6341825	6340536	6446753	2.84	cps
Scandium	45-2	545571	540380	542377	542776	0.48	cps
Selenium	82-1	86587	86590	84860	86012	1.16	cps
Selenium	77-2	8929	8809	9040	8926	1.29	cps
Selenium	78-2	30314	31059	30228	30534	1.50	cps
Silicon	28-1	7681378	7651008	7425804	7586064	1.84	cps
Silver	107-1	7355186	7315793	7133091	7268024	1.63	cps
Silver	109-1	7014601	6982686	6808291	6935193	1.60	cps
Sodium	23-2	164964451	164360824	161687824	163671033	1.07	cps
Strontium	86-1	1906938	1883748	1860039	1883575	1.24	cps
Strontium	88-1	16347875	16479374	16030224	16285824	1.42	cps
Sulfur	34-1	572995	564719	549252	562322	2.14	cps
Terbium	159-1	16023334	15649615	15716818	15796589	1.26	cps
Terbium	159-2	10695079	10959027	10829465	10827857	1.22	cps
Thallium	203-1	5840123	5889244	5930432	5886600	0.77	cps
Thallium	205-1	13778059	14191354	14069187	14012867	1.52	cps
Tin	118-1	4970591	4983610	4928045	4960749	0.59	cps
Titanium	47-1	7068245	6991568	6945607	7001807	0.88	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	CCV014	Instrumnet Name :	P7
Client Sample ID :	CCV014	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:21:46	DataFile Name :	084CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	18046361	18407110	18129769	18194413	1.04	cps
Vanadium	51-2	1987881	1985917	2002108	1991969	0.44	cps
Yttrium	89-1	18497569	18122901	17864726	18161732	1.75	cps
Yttrium	89-2	4893208	4883329	4877232	4884590	0.17	cps
Zinc	66-2	4124711	4065426	4142396	4110844	0.98	cps
Zirconium	90-1	9997753	10019802	9950890	9989482	0.35	cps
Zirconium	91-1	2210727	2263215	2176560	2216834	1.97	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	CCB014	Instrumnet Name :	P7
Client Sample ID :	CCB014	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:24:33	DataFile Name :	085CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	740	597	570	636	14.39	cps
Antimony	121-1	3934	3147	2710	3264	19.00	cps
Arsenic	75-2	10	30	20	20	50.00	cps
Barium	135-1	1503	843	483	943	54.84	cps
Barium	137-1	2594	1420	900	1638	52.97	cps
Beryllium	9-1	273	243	180	232	20.52	cps
Bismuth	209-1	9916044	9705718	9808862	9810208	1.07	cps
Bismuth	209-2	8239783	8258056	8258680	8252173	0.13	cps
Bromine	81-1	13012	12822	13143	12992	1.24	cps
Bromine	81-2	213	167	210	197	13.24	cps
Cadmium	108-1	30	30	13	24	39.37	cps
Cadmium	106-1	4611	4337	4331	4426	3.61	cps
Cadmium	111-1	1290	1071	989	1116	13.92	cps
Calcium	43-1	1823	1093	747	1221	45.01	cps
Calcium	44-1	31460	20778	14467	22235	38.63	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2040	2030	1823	1965	6.23	cps
Cobalt	59-2	163	137	117	139	16.86	cps
Copper	63-2	2237	1850	1890	1992	10.67	cps
Dysprosium	156-1	10	13	7	10	33.30	cps
Dysprosium	156-2	3	7	3	4	43.40	cps
Erbium	164-1	67	97	83	82	18.28	cps
Erbium	164-2	40	70	47	52	30.16	cps
Gadolinium	160-1	40	30	70	47	44.61	cps
Gadolinium	160-2	547	613	670	610	10.12	cps
Holmium	165-1	15636044	15567322	15712334	15638567	0.46	cps
Holmium	165-2	11259313	11303292	11365570	11309392	0.47	cps
Indium	115-1	12599290	12619021	12495664	12571325	0.53	cps
Indium	115-2	4652330	4687026	4712616	4683990	0.65	cps
Iron	56-2	37673	33818	30107	33866	11.17	cps
Iron	57-2	1397	1307	1177	1293	8.55	cps
Iron	54-2	3337	3030	3074	3147	5.27	cps
Krypton	83-1	157	160	223	180	20.87	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	CCB014	Instrumnet Name :	P7
Client Sample ID :	CCB014	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:24:33	DataFile Name :	085CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	5361	3277	1994	3544	47.96	cps
Lead	207-1	4524	2764	1833	3040	44.94	cps
Lead	208-1	21047	12826	8458	14110	45.30	cps
Lithium	6-1	1941013	1938120	1944837	1941323	0.17	cps
Magnesium	24-2	3057	2584	2200	2614	16.42	cps
Manganese	55-2	880	733	710	774	11.90	cps
Molybdenum	94-1	5058	3304	2277	3546	39.65	cps
Molybdenum	95-1	6902	4344	2657	4634	46.12	cps
Molybdenum	96-1	7185	4564	2984	4911	43.21	cps
Molybdenum	97-1	4327	2714	1847	2963	42.49	cps
Molybdenum	98-1	10624	6455	4434	7171	44.02	cps
Neodymium	150-1	7	3	10	7	50.03	cps
Neodymium	150-2	0	3	10	4	114.60	cps
Nickel	60-2	620	590	587	599	3.07	cps
Phosphorus	31-2	130	117	120	122	5.68	cps
Potassium	39-2	56076	54845	55046	55322	1.19	cps
Rhodium	103-1	11413794	11496695	11408144	11439545	0.43	cps
Rhodium	103-2	7018772	6846059	6871306	6912046	1.35	cps
Scandium	45-1	6298228	6422168	6443987	6388128	1.23	cps
Scandium	45-2	563932	563406	564603	563980	0.11	cps
Selenium	82-1	180	148	61	129	47.56	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	383	390	353	376	5.20	cps
Silicon	28-1	505261	506807	511120	507729	0.60	cps
Silver	107-1	2090	1333	930	1451	40.58	cps
Silver	109-1	1803	1320	760	1295	40.34	cps
Sodium	23-2	35932	35123	34111	35055	2.60	cps
Strontium	86-1	700	570	463	578	20.51	cps
Strontium	88-1	3257	2010	1243	2170	46.83	cps
Sulfur	34-1	163066	164703	165469	164413	0.75	cps
Terbium	159-1	16244377	16137066	16026732	16136059	0.67	cps
Terbium	159-2	11255178	11198415	11158176	11203923	0.43	cps
Thallium	203-1	1893	1427	997	1439	31.17	cps
Thallium	205-1	4891	3384	2550	3608	32.88	cps
Tin	118-1	2650	2264	1733	2216	20.77	cps
Titanium	47-1	1480	920	520	973	49.54	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	CCB014	Instrumnet Name :	P7
Client Sample ID :	CCB014	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:24:33	DataFile Name :	085CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	3701	2174	1117	2330	55.75	cps
Vanadium	51-2	63	60	33	52	31.49	cps
Yttrium	89-1	18639071	18673745	18390906	18567907	0.83	cps
Yttrium	89-2	5213934	5166658	5130109	5170234	0.81	cps
Zinc	66-2	460	407	373	413	10.58	cps
Zirconium	90-1	3127	2520	1900	2516	24.38	cps
Zirconium	91-1	797	533	413	581	33.74	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5347-02	Instrumnet Name :	P7
Client Sample ID :	MJNBZ9D	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:27:52	DataFile Name :	086SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	27157	27167	27208	27177	0.10	cps
Antimony	121-1	3000	3077	2940	3006	2.28	cps
Arsenic	75-2	373	357	337	356	5.16	cps
Barium	135-1	3070	3087	3174	3110	1.78	cps
Barium	137-1	5354	5481	5504	5447	1.48	cps
Beryllium	9-1	120	87	100	102	16.41	cps
Bismuth	209-1	10091177	9854274	9938687	9961379	1.21	cps
Bismuth	209-2	8380056	8309649	8315518	8335074	0.47	cps
Bromine	81-1	15115	15542	15735	15464	2.05	cps
Bromine	81-2	760	723	763	749	2.96	cps
Cadmium	108-1	37	17	17	23	49.48	cps
Cadmium	106-1	4741	4321	4184	4415	6.57	cps
Cadmium	111-1	967	918	900	928	3.73	cps
Calcium	43-1	589182	592822	585923	589309	0.59	cps
Calcium	44-1	9273971	9333785	9243322	9283693	0.50	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	5024	4954	5061	5013	1.08	cps
Cobalt	59-2	1823	1773	1720	1772	2.92	cps
Copper	63-2	29232	28500	28634	28789	1.35	cps
Dysprosium	156-1	683	733	710	709	3.53	cps
Dysprosium	156-2	497	490	507	498	1.69	cps
Erbium	164-1	1147	1227	1387	1253	9.75	cps
Erbium	164-2	897	943	887	909	3.33	cps
Gadolinium	160-1	873	753	923	850	10.28	cps
Gadolinium	160-2	1273	1353	1180	1269	6.84	cps
Holmium	165-1	16345379	15852829	16044889	16081032	1.54	cps
Holmium	165-2	11474401	11540721	11535956	11517026	0.32	cps
Indium	115-1	13007198	12645777	12709670	12787548	1.51	cps
Indium	115-2	4753878	4777554	4700860	4744098	0.83	cps
Iron	56-2	858342	864208	860917	861156	0.34	cps
Iron	57-2	31319	32515	32595	32143	2.22	cps
Iron	54-2	48892	48688	47842	48474	1.15	cps
Krypton	83-1	180	193	253	209	18.70	cps

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5347-02	Instrumnet Name :	P7
Client Sample ID :	MJNBZ9D	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:27:52	DataFile Name :	086SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2500	2417	2530	2482	2.37	cps
Lead	207-1	1957	2114	1890	1987	5.77	cps
Lead	208-1	9458	9481	9288	9409	1.12	cps
Lithium	6-1	2055310	1944441	1987597	1995782	2.80	cps
Magnesium	24-2	1974775	1907563	1981320	1954553	2.09	cps
Manganese	55-2	32475	31967	32278	32240	0.79	cps
Molybdenum	94-1	4844	5188	5061	5031	3.45	cps
Molybdenum	95-1	3137	2924	3087	3049	3.66	cps
Molybdenum	96-1	3761	3907	3771	3813	2.15	cps
Molybdenum	97-1	1820	1950	2064	1945	6.26	cps
Molybdenum	98-1	4868	4634	4971	4824	3.58	cps
Neodymium	150-1	620	747	717	694	9.53	cps
Neodymium	150-2	430	373	430	411	7.96	cps
Nickel	60-2	3727	3751	3604	3694	2.13	cps
Phosphorus	31-2	390	370	333	364	7.89	cps
Potassium	39-2	351094	354813	351605	352504	0.57	cps
Rhodium	103-1	11845296	11599736	11409724	11618252	1.88	cps
Rhodium	103-2	6949364	6958610	6920818	6942931	0.28	cps
Scandium	45-1	6781501	6510204	6597763	6629822	2.09	cps
Scandium	45-2	570483	570855	572967	571435	0.23	cps
Selenium	82-1	375	353	294	340	12.26	cps
Selenium	77-2	30	13	33	26	41.94	cps
Selenium	78-2	473	520	533	509	6.19	cps
Silicon	28-1	50612543	51145526	50782469	50846846	0.54	cps
Silver	107-1	287	340	320	316	8.54	cps
Silver	109-1	283	207	233	241	16.14	cps
Sodium	23-2	6602692	6569090	6543229	6571670	0.45	cps
Strontium	86-1	100594	102275	103292	102054	1.34	cps
Strontium	88-1	883511	892989	891247	889249	0.57	cps
Sulfur	34-1	325653	320504	314818	320325	1.69	cps
Terbium	159-1	16581142	16460162	16398198	16479834	0.56	cps
Terbium	159-2	11268397	11271269	11302120	11280596	0.17	cps
Thallium	203-1	623	570	553	582	6.28	cps
Thallium	205-1	1557	1433	1443	1478	4.64	cps
Tin	118-1	2360	2310	2357	2342	1.19	cps
Titanium	47-1	3464	3234	3367	3355	3.45	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5347-02	Instrumnet Name :	P7
Client Sample ID :	MJNBZ9D	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:27:52	DataFile Name :	086SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	3507	3794	3581	3627	4.11	cps
Vanadium	51-2	5694	5324	5388	5469	3.62	cps
Yttrium	89-1	19311300	19067732	19002915	19127316	0.85	cps
Yttrium	89-2	5213070	5202539	5168321	5194643	0.45	cps
Zinc	66-2	1230	1237	1260	1242	1.27	cps
Zirconium	90-1	9340	9226	9590	9385	1.98	cps
Zirconium	91-1	2120	2087	2060	2089	1.44	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5347-01LX5	Instrumnet Name :	P7
Client Sample ID :	MJNBZ9L	Dilution Factor :	5
Date & Time Acquired :	2024-12-27 19:31:08	DataFile Name :	087SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5981	6673	5828	6161	7.31	cps
Antimony	121-1	933	817	847	866	7.00	cps
Arsenic	75-2	117	120	107	114	6.06	cps
Barium	135-1	837	730	620	729	14.87	cps
Barium	137-1	1123	1107	1203	1145	4.52	cps
Beryllium	9-1	117	77	73	89	27.13	cps
Bismuth	209-1	9934192	9792108	9674666	9800322	1.33	cps
Bismuth	209-2	8285798	8307318	8251042	8281386	0.34	cps
Bromine	81-1	13590	13827	13753	13723	0.88	cps
Bromine	81-2	273	300	243	272	10.41	cps
Cadmium	108-1	17	17	7	13	43.29	cps
Cadmium	106-1	4401	4177	4357	4312	2.75	cps
Cadmium	111-1	895	858	907	887	2.92	cps
Calcium	43-1	116540	117117	116522	116727	0.29	cps
Calcium	44-1	1850704	1859241	1847746	1852564	0.32	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2137	2154	2157	2149	0.50	cps
Cobalt	59-2	447	323	390	387	15.97	cps
Copper	63-2	9013	9200	9043	9085	1.10	cps
Dysprosium	156-1	147	160	163	157	5.63	cps
Dysprosium	156-2	70	120	133	108	30.98	cps
Erbium	164-1	357	333	330	340	4.27	cps
Erbium	164-2	260	190	170	207	22.87	cps
Gadolinium	160-1	220	187	250	219	14.47	cps
Gadolinium	160-2	737	777	783	766	3.30	cps
Holmium	165-1	15830411	15679355	15913640	15807802	0.75	cps
Holmium	165-2	11350796	11313833	11394755	11353128	0.36	cps
Indium	115-1	12620716	12415172	12453785	12496558	0.87	cps
Indium	115-2	4750406	4740519	4739338	4743421	0.13	cps
Iron	56-2	198148	198576	199308	198677	0.30	cps
Iron	57-2	7382	7309	7689	7460	2.70	cps
Iron	54-2	12499	12172	11998	12223	2.08	cps
Krypton	83-1	173	180	180	178	2.16	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5347-01LX5	Instrumnet Name :	P7
Client Sample ID :	MJNBZ9L	Dilution Factor :	5
Date & Time Acquired :	2024-12-27 19:31:08	DataFile Name :	087SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1260	1370	1150	1260	8.73	cps
Lead	207-1	1200	1170	1133	1168	2.86	cps
Lead	208-1	5157	5330	4767	5085	5.68	cps
Lithium	6-1	1953301	1972180	1951823	1959101	0.58	cps
Magnesium	24-2	362734	367068	363182	364328	0.65	cps
Manganese	55-2	8146	8272	8346	8255	1.23	cps
Molybdenum	94-1	1447	1280	1327	1351	6.36	cps
Molybdenum	95-1	790	820	807	806	1.87	cps
Molybdenum	96-1	980	990	1053	1008	3.95	cps
Molybdenum	97-1	470	463	497	477	3.70	cps
Molybdenum	98-1	1200	1257	1260	1239	2.72	cps
Neodymium	150-1	153	160	200	171	14.75	cps
Neodymium	150-2	70	110	93	91	22.05	cps
Nickel	60-2	1080	923	1100	1034	9.35	cps
Phosphorus	31-2	137	167	147	150	10.18	cps
Potassium	39-2	109450	110544	108392	109462	0.98	cps
Rhodium	103-1	11499467	11449341	11459534	11469447	0.23	cps
Rhodium	103-2	6937959	6908852	7014105	6953639	0.78	cps
Scandium	45-1	6479919	6479471	6337061	6432150	1.28	cps
Scandium	45-2	564474	562696	566111	564427	0.30	cps
Selenium	82-1	182	183	146	170	12.42	cps
Selenium	77-2	7	3	3	4	43.40	cps
Selenium	78-2	383	363	450	399	11.38	cps
Silicon	28-1	10507616	10540972	10580288	10542959	0.35	cps
Silver	107-1	163	163	217	181	17.00	cps
Silver	109-1	110	133	147	130	14.28	cps
Sodium	23-2	1342737	1331267	1322821	1332275	0.75	cps
Strontium	86-1	20301	20401	20668	20457	0.93	cps
Strontium	88-1	174563	177392	176906	176287	0.86	cps
Sulfur	34-1	179565	179872	178577	179338	0.38	cps
Terbium	159-1	16093316	16076398	16205715	16125143	0.44	cps
Terbium	159-2	11233453	11222581	11327056	11261030	0.51	cps
Thallium	203-1	357	460	363	393	14.70	cps
Thallium	205-1	937	1003	950	963	3.66	cps
Tin	118-1	1763	1700	1723	1729	1.85	cps
Titanium	47-1	1080	1267	970	1106	13.58	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5347-01LX5	Instrumnet Name :	P7
Client Sample ID :	MJNBZ9L	Dilution Factor :	5
Date & Time Acquired :	2024-12-27 19:31:08	DataFile Name :	087SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	710	773	777	753	4.99	cps
Vanadium	51-2	1023	1067	1157	1082	6.28	cps
Yttrium	89-1	18674560	18585503	18508508	18589524	0.45	cps
Yttrium	89-2	5159762	5127761	5202539	5163354	0.73	cps
Zinc	66-2	690	677	660	676	2.22	cps
Zirconium	90-1	2537	2514	2594	2548	1.62	cps
Zirconium	91-1	523	437	540	500	11.10	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5347-03	Instrumnet Name :	P7
Client Sample ID :	MJNBZ9S	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:34:24	DataFile Name :	088SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	540640	537975	542769	540462	0.44	cps
Antimony	121-1	1282961	1284750	1283386	1283699	0.07	cps
Arsenic	75-2	26123	26571	26814	26503	1.32	cps
Barium	135-1	6611553	6550327	6658703	6606861	0.82	cps
Barium	137-1	11420478	11460239	11386281	11422333	0.32	cps
Beryllium	9-1	77415	77498	77281	77398	0.14	cps
Bismuth	209-1	9292932	9822598	9891485	9669005	3.39	cps
Bismuth	209-2	8414333	8313832	8357974	8362046	0.60	cps
Bromine	81-1	15422	15658	16656	15912	4.12	cps
Bromine	81-2	880	837	890	869	3.26	cps
Cadmium	108-1	10671	10704	10824	10733	0.75	cps
Cadmium	106-1	19810	18846	19260	19305	2.51	cps
Cadmium	111-1	158980	160358	159019	159453	0.49	cps
Calcium	43-1	583773	588409	590575	587586	0.59	cps
Calcium	44-1	9097989	9256722	9298799	9217837	1.15	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	974989	974196	975466	974884	0.07	cps
Cobalt	59-2	3923653	3963987	3890840	3926160	0.93	cps
Copper	63-2	1338903	1349323	1349459	1345895	0.45	cps
Dysprosium	156-1	750	753	813	772	4.62	cps
Dysprosium	156-2	733	850	867	817	8.90	cps
Erbium	164-1	1250	1173	1257	1227	3.77	cps
Erbium	164-2	870	867	920	886	3.37	cps
Gadolinium	160-1	930	953	840	908	6.59	cps
Gadolinium	160-2	1177	1303	1120	1200	7.82	cps
Holmium	165-1	15096866	15957675	15925001	15659848	3.12	cps
Holmium	165-2	11614209	11548842	11539081	11567377	0.35	cps
Indium	115-1	11941040	12752934	12926156	12540043	4.19	cps
Indium	115-2	4744795	4774859	4821705	4780453	0.81	cps
Iron	56-2	5541846	5569830	5542367	5551347	0.29	cps
Iron	57-2	150417	150703	151700	150940	0.45	cps
Iron	54-2	338851	340005	339097	339318	0.18	cps
Krypton	83-1	177	193	200	190	6.32	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5347-03	Instrumnet Name :	P7
Client Sample ID :	MJNBZ9S	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:34:24	DataFile Name :	088SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	203308	201642	204086	203012	0.62	cps
Lead	207-1	172915	173851	172757	173175	0.34	cps
Lead	208-1	801501	801880	806748	803376	0.36	cps
Lithium	6-1	1856318	1926238	1934541	1905699	2.25	cps
Magnesium	24-2	1894211	1897777	1931494	1907827	1.08	cps
Manganese	55-2	2040163	2033012	2064075	2045750	0.80	cps
Molybdenum	94-1	152579	153679	153805	153354	0.44	cps
Molybdenum	95-1	263813	264662	266814	265096	0.58	cps
Molybdenum	96-1	284014	282782	285043	283946	0.40	cps
Molybdenum	97-1	163799	165498	164299	164532	0.53	cps
Molybdenum	98-1	425484	427373	429697	427518	0.49	cps
Neodymium	150-1	980	960	1070	1003	5.84	cps
Neodymium	150-2	383	520	530	478	17.15	cps
Nickel	60-2	972199	980654	973015	975289	0.48	cps
Phosphorus	31-2	357	357	323	346	5.57	cps
Potassium	39-2	348505	350961	351530	350332	0.46	cps
Rhodium	103-1	10800017	11515380	11537206	11284201	3.72	cps
Rhodium	103-2	6999367	6946679	6962908	6969652	0.39	cps
Scandium	45-1	6048288	6501655	6589117	6379687	4.55	cps
Scandium	45-2	572038	572865	573359	572754	0.12	cps
Selenium	82-1	20139	20431	19929	20166	1.25	cps
Selenium	77-2	2230	2187	2080	2166	3.57	cps
Selenium	78-2	7832	7655	7909	7799	1.67	cps
Silicon	28-1	50519449	49939261	49727126	50061945	0.82	cps
Silver	107-1	806957	810742	808738	808812	0.23	cps
Silver	109-1	762532	771717	768152	767467	0.60	cps
Sodium	23-2	6426623	6463131	6491385	6460380	0.50	cps
Strontium	86-1	101064	101436	101060	101187	0.21	cps
Strontium	88-1	883269	883048	889108	885142	0.39	cps
Sulfur	34-1	308553	306259	305857	306890	0.47	cps
Terbium	159-1	15291219	16343914	16296501	15977211	3.72	cps
Terbium	159-2	11263158	11481234	11323151	11355848	0.99	cps
Thallium	203-1	622085	616990	621366	620147	0.44	cps
Thallium	205-1	1473105	1483360	1468463	1474976	0.52	cps
Tin	118-1	3477	3447	3497	3474	0.72	cps
Titanium	47-1	3828	3377	3444	3550	6.86	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5347-03	Instrumnet Name :	P7
Client Sample ID :	MJNBZ9S	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:34:24	DataFile Name :	088SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	3561	3557	3574	3564	0.25	cps
Vanadium	51-2	2180745	2180745	2186928	2182806	0.16	cps
Yttrium	89-1	17952822	18873118	18838216	18554719	2.81	cps
Yttrium	89-2	5279794	5204609	5203924	5229442	0.83	cps
Zinc	66-2	493004	494522	492827	493451	0.19	cps
Zirconium	90-1	9493	9116	8990	9200	2.85	cps
Zirconium	91-1	2170	2167	2080	2139	2.39	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5354-02	Instrumnet Name :	P7
Client Sample ID :	ME2928	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:37:32	DataFile Name :	089SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8776	8282	8663	8574	3.02	cps
Antimony	121-1	763	577	477	606	24.03	cps
Arsenic	75-2	30	27	23	27	12.51	cps
Barium	135-1	3784	3020	2250	3018	25.41	cps
Barium	137-1	6295	5008	4261	5188	19.83	cps
Beryllium	9-1	117	83	87	96	19.21	cps
Bismuth	209-1	9934941	9823805	9847697	9868814	0.59	cps
Bismuth	209-2	8271292	8386965	8317370	8325209	0.70	cps
Bromine	81-1	13606	13323	13103	13344	1.89	cps
Bromine	81-2	87	133	127	116	21.84	cps
Cadmium	108-1	23	13	7	14	58.06	cps
Cadmium	106-1	4487	4227	4377	4364	2.99	cps
Cadmium	111-1	949	890	935	925	3.30	cps
Calcium	43-1	4154	3777	3851	3927	5.09	cps
Calcium	44-1	70195	68272	67670	68712	1.92	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3720	3751	3817	3763	1.32	cps
Cobalt	59-2	550	533	470	518	8.15	cps
Copper	63-2	2047	1847	1957	1950	5.14	cps
Dysprosium	156-1	97	93	117	102	12.35	cps
Dysprosium	156-2	77	103	93	91	14.79	cps
Erbium	164-1	163	160	170	164	3.10	cps
Erbium	164-2	97	100	103	100	3.33	cps
Gadolinium	160-1	153	123	110	129	17.22	cps
Gadolinium	160-2	690	750	720	720	4.17	cps
Holmium	165-1	16093861	15946638	15676820	15905773	1.33	cps
Holmium	165-2	11402686	11534945	11413228	11450286	0.64	cps
Indium	115-1	12859850	12907110	12797285	12854749	0.43	cps
Indium	115-2	4742933	4793147	4709175	4748418	0.89	cps
Iron	56-2	252531	250887	255924	253114	1.01	cps
Iron	57-2	6842	6708	6892	6814	1.39	cps
Iron	54-2	15265	15118	14821	15068	1.50	cps
Krypton	83-1	183	163	167	171	6.26	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5354-02	Instrumnet Name :	P7
Client Sample ID :	ME2928	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:37:32	DataFile Name :	089SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2467	2434	2347	2416	2.56	cps
Lead	207-1	1937	1987	1890	1938	2.50	cps
Lead	208-1	9258	9311	9035	9201	1.60	cps
Lithium	6-1	1940745	1971880	1898928	1937184	1.89	cps
Magnesium	24-2	11995	12045	12041	12027	0.23	cps
Manganese	55-2	9386	9613	9486	9495	1.20	cps
Molybdenum	94-1	640	693	627	653	5.40	cps
Molybdenum	95-1	507	310	363	393	25.86	cps
Molybdenum	96-1	483	510	527	507	4.31	cps
Molybdenum	97-1	247	270	173	230	21.93	cps
Molybdenum	98-1	617	643	637	632	2.19	cps
Neodymium	150-1	143	153	173	157	9.75	cps
Neodymium	150-2	93	60	63	72	25.42	cps
Nickel	60-2	743	777	800	773	3.68	cps
Phosphorus	31-2	677	633	613	641	5.05	cps
Potassium	39-2	60677	60523	60640	60613	0.13	cps
Rhodium	103-1	11815399	11643090	11526995	11661828	1.24	cps
Rhodium	103-2	7050160	7067617	6891588	7003122	1.38	cps
Scandium	45-1	6555777	6568376	6516174	6546776	0.42	cps
Scandium	45-2	572432	575290	569951	572558	0.47	cps
Selenium	82-1	114	201	105	140	37.79	cps
Selenium	77-2	0	0	3	1	173.21	cps
Selenium	78-2	483	403	437	441	9.11	cps
Silicon	28-1	834326	810408	812022	818918	1.63	cps
Silver	107-1	650	493	470	538	18.20	cps
Silver	109-1	507	450	353	437	17.76	cps
Sodium	23-2	116714	115532	115445	115897	0.61	cps
Strontium	86-1	1673	1717	1710	1700	1.37	cps
Strontium	88-1	12525	12189	12205	12306	1.54	cps
Sulfur	34-1	143873	146490	147662	146008	1.33	cps
Terbium	159-1	16386894	16184891	16150229	16240672	0.79	cps
Terbium	159-2	11241809	11342622	11231218	11271883	0.55	cps
Thallium	203-1	530	483	380	464	16.53	cps
Thallium	205-1	1353	1090	913	1119	19.79	cps
Tin	118-1	2544	2544	2614	2567	1.57	cps
Titanium	47-1	887	907	840	878	3.90	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5354-02	Instrumnet Name :	P7
Client Sample ID :	ME2928	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:37:32	DataFile Name :	089SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	170	183	173	176	3.95	cps
Vanadium	51-2	473	483	367	441	14.66	cps
Yttrium	89-1	19155486	19114046	18770220	19013250	1.11	cps
Yttrium	89-2	5198072	5233904	5172298	5201425	0.59	cps
Zinc	66-2	2554	2540	2624	2572	1.74	cps
Zirconium	90-1	1157	1247	943	1116	13.97	cps
Zirconium	91-1	323	290	220	278	18.99	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5354-03	Instrumnet Name :	P7
Client Sample ID :	ME2928D	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:40:50	DataFile Name :	090SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	9280	8966	9303	9183	2.05	cps
Antimony	121-1	2650	2494	2577	2574	3.05	cps
Arsenic	75-2	30	30	33	31	6.18	cps
Barium	135-1	1657	1607	1823	1696	6.69	cps
Barium	137-1	3094	2867	2974	2978	3.81	cps
Beryllium	9-1	60	53	63	59	8.65	cps
Bismuth	209-1	9868800	9774813	9820433	9821349	0.48	cps
Bismuth	209-2	8358911	8254018	8304820	8305916	0.63	cps
Bromine	81-1	13563	12859	13423	13282	2.81	cps
Bromine	81-2	70	87	80	79	10.64	cps
Cadmium	108-1	7	10	17	11	45.82	cps
Cadmium	106-1	4454	4377	4227	4353	2.65	cps
Cadmium	111-1	920	906	858	895	3.65	cps
Calcium	43-1	4001	3914	3917	3944	1.25	cps
Calcium	44-1	67904	68176	68175	68085	0.23	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4014	4037	4077	4043	0.79	cps
Cobalt	59-2	283	290	263	279	4.98	cps
Copper	63-2	1690	1803	1857	1783	4.77	cps
Dysprosium	156-1	83	117	83	94	20.38	cps
Dysprosium	156-2	117	93	97	102	12.35	cps
Erbium	164-1	177	163	180	173	5.09	cps
Erbium	164-2	117	113	130	120	7.35	cps
Gadolinium	160-1	150	170	157	159	6.41	cps
Gadolinium	160-2	713	693	717	708	1.78	cps
Holmium	165-1	15584555	15549613	15653391	15595853	0.34	cps
Holmium	165-2	11401447	11372014	11355009	11376156	0.21	cps
Indium	115-1	12638984	12662086	12547269	12616113	0.48	cps
Indium	115-2	4791449	4761770	4787368	4780196	0.34	cps
Iron	56-2	262271	261670	261082	261674	0.23	cps
Iron	57-2	7302	7332	7082	7238	1.89	cps
Iron	54-2	16132	15798	15158	15696	3.15	cps
Krypton	83-1	180	147	170	166	10.33	cps

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5354-03	Instrumnet Name :	P7
Client Sample ID :	ME2928D	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:40:50	DataFile Name :	090SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2304	2367	2274	2315	2.06	cps
Lead	207-1	1947	1900	1900	1916	1.41	cps
Lead	208-1	9055	8885	8918	8952	1.01	cps
Lithium	6-1	1935870	1936513	1920238	1930873	0.48	cps
Magnesium	24-2	11938	12465	12462	12288	2.47	cps
Manganese	55-2	8009	7919	7932	7953	0.61	cps
Molybdenum	94-1	723	700	607	677	9.13	cps
Molybdenum	95-1	297	363	243	301	19.97	cps
Molybdenum	96-1	387	447	397	410	7.84	cps
Molybdenum	97-1	200	160	157	172	14.00	cps
Molybdenum	98-1	440	517	580	512	13.69	cps
Neodymium	150-1	157	123	173	151	16.85	cps
Neodymium	150-2	80	100	97	92	11.62	cps
Nickel	60-2	713	700	713	709	1.09	cps
Phosphorus	31-2	643	690	670	668	3.51	cps
Potassium	39-2	60320	61105	60382	60603	0.72	cps
Rhodium	103-1	11681479	11399004	11466552	11515678	1.28	cps
Rhodium	103-2	6988068	6936486	7010684	6978413	0.54	cps
Scandium	45-1	6559883	6481181	6494872	6511979	0.65	cps
Scandium	45-2	576455	573605	568694	572918	0.69	cps
Selenium	82-1	136	194	104	145	31.52	cps
Selenium	77-2	0	3	0	1	173.21	cps
Selenium	78-2	467	330	420	406	17.13	cps
Silicon	28-1	822163	829425	840698	830762	1.12	cps
Silver	107-1	237	173	197	202	15.84	cps
Silver	109-1	180	183	153	172	9.55	cps
Sodium	23-2	117299	116201	117370	116957	0.56	cps
Strontium	86-1	1753	1660	1663	1692	3.13	cps
Strontium	88-1	12529	12455	12232	12405	1.25	cps
Sulfur	34-1	152340	152479	152091	152303	0.13	cps
Terbium	159-1	16195876	16104225	16146943	16149014	0.28	cps
Terbium	159-2	11029459	11249300	11187881	11155547	1.02	cps
Thallium	203-1	293	300	283	292	2.87	cps
Thallium	205-1	743	627	617	662	10.63	cps
Tin	118-1	2547	2757	2687	2664	4.02	cps
Titanium	47-1	1037	1444	1030	1170	20.26	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5354-03	Instrumnet Name :	P7
Client Sample ID :	ME2928D	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:40:50	DataFile Name :	090SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	130	190	150	157	19.50	cps
Vanadium	51-2	377	347	363	362	4.15	cps
Yttrium	89-1	18913792	18719619	18939174	18857528	0.64	cps
Yttrium	89-2	5220389	5172592	5184818	5192600	0.48	cps
Zinc	66-2	2624	2707	2630	2654	1.75	cps
Zirconium	90-1	1213	1080	1363	1219	11.63	cps
Zirconium	91-1	240	243	290	258	10.85	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5354-02LX5	Instrumnet Name :	P7
Client Sample ID :	ME2928L	Dilution Factor :	5
Date & Time Acquired :	2024-12-27 19:44:12	DataFile Name :	091SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2504	1930	1907	2114	16.00	cps
Antimony	121-1	190	193	147	177	14.74	cps
Arsenic	75-2	150	13	3	56	147.51	cps
Barium	135-1	370	343	383	366	5.57	cps
Barium	137-1	647	660	717	674	5.51	cps
Beryllium	9-1	50	23	47	40	36.33	cps
Bismuth	209-1	9885554	9673563	9662595	9740571	1.29	cps
Bismuth	209-2	8317308	8324842	8303697	8315282	0.13	cps
Bromine	81-1	13580	13153	13767	13500	2.33	cps
Bromine	81-2	123	107	117	116	7.26	cps
Cadmium	108-1	10	27	17	18	47.19	cps
Cadmium	106-1	4391	4517	4401	4436	1.59	cps
Cadmium	111-1	891	908	879	893	1.66	cps
Calcium	43-1	1043	1167	1020	1077	7.32	cps
Calcium	44-1	18885	19756	19179	19273	2.30	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2367	2500	2484	2450	2.97	cps
Cobalt	59-2	270	177	163	203	28.58	cps
Copper	63-2	77516	77312	75647	76825	1.33	cps
Dysprosium	156-1	20	30	30	27	21.65	cps
Dysprosium	156-2	20	17	30	22	31.22	cps
Erbium	164-1	83	147	87	106	33.77	cps
Erbium	164-2	60	77	30	56	42.57	cps
Gadolinium	160-1	110	70	77	86	25.05	cps
Gadolinium	160-2	617	643	553	604	7.65	cps
Holmium	165-1	15781648	15706959	15708407	15732338	0.27	cps
Holmium	165-2	11358383	11490776	11377008	11408722	0.63	cps
Indium	115-1	12775525	12554134	12507199	12612286	1.14	cps
Indium	115-2	4812783	4788240	4807810	4802944	0.27	cps
Iron	56-2	177806	170808	169092	172569	2.67	cps
Iron	57-2	5154	4934	4784	4958	3.76	cps
Iron	54-2	11511	10534	10844	10963	4.56	cps
Krypton	83-1	140	250	150	180	33.80	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5354-02LX5	Instrumnet Name :	P7
Client Sample ID :	ME2928L	Dilution Factor :	5
Date & Time Acquired :	2024-12-27 19:44:12	DataFile Name :	091SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	833	723	730	762	8.09	cps
Lead	207-1	670	683	630	661	4.20	cps
Lead	208-1	3160	3210	2967	3112	4.13	cps
Lithium	6-1	1945437	1938163	1902796	1928799	1.18	cps
Magnesium	24-2	4556	3170	3204	3643	21.70	cps
Manganese	55-2	2880	2674	2614	2722	5.14	cps
Molybdenum	94-1	407	413	433	418	3.32	cps
Molybdenum	95-1	240	313	277	277	13.25	cps
Molybdenum	96-1	347	383	313	348	10.07	cps
Molybdenum	97-1	157	123	163	148	14.50	cps
Molybdenum	98-1	480	473	440	464	4.61	cps
Neodymium	150-1	33	13	20	22	45.83	cps
Neodymium	150-2	27	10	33	23	51.50	cps
Nickel	60-2	15438	15768	15808	15672	1.30	cps
Phosphorus	31-2	250	220	280	250	12.00	cps
Potassium	39-2	54116	52159	52891	53055	1.86	cps
Rhodium	103-1	11656196	11660530	11659442	11658723	0.02	cps
Rhodium	103-2	6999420	6993823	6990121	6994455	0.07	cps
Scandium	45-1	6672794	6501248	6595969	6590004	1.30	cps
Scandium	45-2	576843	576580	577537	576987	0.09	cps
Selenium	82-1	227	99	162	163	39.10	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	467	480	343	430	17.52	cps
Silicon	28-1	597852	608201	597658	601237	1.00	cps
Silver	107-1	157	150	120	142	13.73	cps
Silver	109-1	80	83	80	81	2.37	cps
Sodium	23-2	44069	39313	39932	41105	6.29	cps
Strontium	86-1	630	580	633	614	4.86	cps
Strontium	88-1	2710	2624	2607	2647	2.10	cps
Sulfur	34-1	159549	159465	161577	160197	0.75	cps
Terbium	159-1	16182037	16124692	15963285	16090005	0.70	cps
Terbium	159-2	11091217	11166625	11127326	11128389	0.34	cps
Thallium	203-1	283	250	180	238	22.18	cps
Thallium	205-1	610	677	510	599	14.01	cps
Tin	118-1	1547	1407	1537	1497	5.22	cps
Titanium	47-1	273	257	260	263	3.35	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5354-02LX5	Instrumnet Name :	P7
Client Sample ID :	ME2928L	Dilution Factor :	5
Date & Time Acquired :	2024-12-27 19:44:12	DataFile Name :	091SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	53	33	77	54	39.84	cps
Vanadium	51-2	167	77	100	114	40.81	cps
Yttrium	89-1	19065075	19076958	18846481	18996171	0.68	cps
Yttrium	89-2	5237816	5235974	5265497	5246429	0.32	cps
Zinc	66-2	883	707	710	767	13.18	cps
Zirconium	90-1	773	763	820	786	3.85	cps
Zirconium	91-1	163	163	137	154	9.97	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5354-04	Instrumnet Name :	P7
Client Sample ID :	ME2928S	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:47:32	DataFile Name :	092SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	531428	530312	527935	529891	0.34	cps
Antimony	121-1	1259470	1264603	1271710	1265261	0.49	cps
Arsenic	75-2	26410	26343	26634	26463	0.57	cps
Barium	135-1	6532344	6570484	6464466	6522432	0.82	cps
Barium	137-1	11208480	11373955	11312802	11298412	0.74	cps
Beryllium	9-1	75418	75780	76631	75943	0.82	cps
Bismuth	209-1	9729984	9636830	9937875	9768230	1.58	cps
Bismuth	209-2	8348005	8304071	8317537	8323204	0.27	cps
Bromine	81-1	13686	13400	13553	13546	1.06	cps
Bromine	81-2	143	157	180	160	11.60	cps
Cadmium	108-1	11011	11234	11044	11097	1.09	cps
Cadmium	106-1	19280	19403	19293	19325	0.35	cps
Cadmium	111-1	158960	159020	161635	159872	0.96	cps
Calcium	43-1	4494	4624	4571	4563	1.43	cps
Calcium	44-1	73765	73514	73832	73703	0.23	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	990826	985312	981441	985860	0.48	cps
Cobalt	59-2	3994941	4003547	3960696	3986395	0.57	cps
Copper	63-2	1336523	1336692	1324908	1332707	0.51	cps
Dysprosium	156-1	127	197	137	153	24.69	cps
Dysprosium	156-2	377	353	437	389	11.05	cps
Erbium	164-1	173	180	193	182	5.59	cps
Erbium	164-2	143	117	127	129	10.45	cps
Gadolinium	160-1	133	133	170	146	14.54	cps
Gadolinium	160-2	730	700	797	742	6.67	cps
Holmium	165-1	15923457	15755474	15758848	15812593	0.61	cps
Holmium	165-2	11450648	11492815	11469178	11470880	0.18	cps
Indium	115-1	12806843	12752965	12727346	12762385	0.32	cps
Indium	115-2	4866178	4835079	4814371	4838543	0.54	cps
Iron	56-2	5026715	4928194	5040976	4998628	1.23	cps
Iron	57-2	125603	125623	126056	125761	0.20	cps
Iron	54-2	310517	311475	309101	310364	0.38	cps
Krypton	83-1	157	213	193	188	15.31	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5354-04	Instrumnet Name :	P7
Client Sample ID :	ME2928S	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:47:32	DataFile Name :	092SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	197207	195968	199109	197428	0.80	cps
Lead	207-1	167494	171724	171869	170362	1.46	cps
Lead	208-1	779104	782244	790152	783834	0.73	cps
Lithium	6-1	1978222	1952948	1970637	1967269	0.66	cps
Magnesium	24-2	12622	12025	12472	12373	2.51	cps
Manganese	55-2	2049727	1985204	2035179	2023370	1.67	cps
Molybdenum	94-1	2437	2470	2470	2459	0.78	cps
Molybdenum	95-1	3697	3757	3520	3658	3.36	cps
Molybdenum	96-1	3600	3831	3914	3782	4.29	cps
Molybdenum	97-1	2320	2174	2184	2226	3.68	cps
Molybdenum	98-1	5788	6008	5705	5833	2.69	cps
Neodymium	150-1	443	480	453	459	4.13	cps
Neodymium	150-2	127	113	137	126	9.33	cps
Nickel	60-2	990737	985715	975931	984127	0.77	cps
Phosphorus	31-2	687	630	677	664	4.55	cps
Potassium	39-2	64707	63910	63713	64110	0.82	cps
Rhodium	103-1	11831804	11750395	11717902	11766700	0.50	cps
Rhodium	103-2	7170080	7030808	7059108	7086665	1.04	cps
Scandium	45-1	6696183	6665647	6620031	6660621	0.58	cps
Scandium	45-2	592120	588817	579912	586950	1.08	cps
Selenium	82-1	20276	20057	20294	20209	0.65	cps
Selenium	77-2	2244	2297	2184	2241	2.53	cps
Selenium	78-2	7939	7882	7582	7801	2.46	cps
Silicon	28-1	833188	848970	876537	852898	2.57	cps
Silver	107-1	802279	814320	813354	809984	0.83	cps
Silver	109-1	769715	771904	769720	770446	0.16	cps
Sodium	23-2	120147	121306	120470	120641	0.50	cps
Strontium	86-1	1727	1800	1757	1761	2.09	cps
Strontium	88-1	13389	12922	13166	13159	1.78	cps
Sulfur	34-1	159752	159405	157708	158955	0.69	cps
Terbium	159-1	16384435	16188139	16285611	16286062	0.60	cps
Terbium	159-2	11299116	11352687	11144487	11265430	0.96	cps
Thallium	203-1	596588	601707	596346	598213	0.51	cps
Thallium	205-1	1410306	1429926	1435297	1425176	0.92	cps
Tin	118-1	4214	4154	3917	4095	3.83	cps
Titanium	47-1	1043	963	1120	1042	7.52	cps

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On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5354-04	Instrumnet Name :	P7
Client Sample ID :	ME2928S	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:47:32	DataFile Name :	092SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	177	193	140	170	16.05	cps
Vanadium	51-2	2190826	2200335	2198840	2196667	0.23	cps
Yttrium	89-1	19215037	19094386	18951759	19087061	0.69	cps
Yttrium	89-2	5255227	5317240	5260199	5277555	0.65	cps
Zinc	66-2	496208	492797	494551	494519	0.34	cps
Zirconium	90-1	1811	1844	1293	1650	18.73	cps
Zirconium	91-1	423	413	393	410	3.73	cps

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Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5254-12	Instrumnet Name :	P7
Client Sample ID :	MJNLG1	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:50:45	DataFile Name :	093SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	943	990	1050	994	5.38	cps
Antimony	121-1	530	583	433	516	14.75	cps
Arsenic	75-2	13	13	20	16	24.76	cps
Barium	135-1	2114	1613	1213	1647	27.39	cps
Barium	137-1	3731	3110	2014	2951	29.46	cps
Beryllium	9-1	77	113	97	96	19.21	cps
Bismuth	209-1	9825616	9567880	9640410	9677968	1.37	cps
Bismuth	209-2	8232436	8267671	8284050	8261386	0.32	cps
Bromine	81-1	13700	13443	13393	13512	1.22	cps
Bromine	81-2	90	63	113	89	28.15	cps
Cadmium	108-1	10	23	10	14	53.28	cps
Cadmium	106-1	4554	4391	4354	4433	2.40	cps
Cadmium	111-1	991	912	921	941	4.59	cps
Calcium	43-1	677	743	720	713	4.74	cps
Calcium	44-1	14701	14674	14737	14704	0.22	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3010	2704	2997	2904	5.97	cps
Cobalt	59-2	430	353	293	359	19.09	cps
Copper	63-2	1480	1350	1410	1413	4.60	cps
Dysprosium	156-1	3	20	20	14	66.64	cps
Dysprosium	156-2	3	7	13	8	65.47	cps
Erbium	164-1	97	113	73	94	21.28	cps
Erbium	164-2	63	63	53	60	9.62	cps
Gadolinium	160-1	53	57	77	62	20.29	cps
Gadolinium	160-2	657	553	543	584	10.74	cps
Holmium	165-1	15908512	15551824	15203486	15554607	2.27	cps
Holmium	165-2	11479052	11386673	11385739	11417154	0.47	cps
Indium	115-1	12749953	12632810	12681315	12688026	0.46	cps
Indium	115-2	4903424	4849505	4794551	4849160	1.12	cps
Iron	56-2	50986	50605	50210	50600	0.77	cps
Iron	57-2	1863	1717	1757	1779	4.26	cps
Iron	54-2	4321	3951	4475	4249	6.34	cps
Krypton	83-1	123	150	150	141	10.91	cps

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5254-12	Instrumnet Name :	P7
Client Sample ID :	MJNLG1	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:50:45	DataFile Name :	093SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1190	1310	1277	1259	4.92	cps
Lead	207-1	1120	1060	1033	1071	4.14	cps
Lead	208-1	5007	5077	4927	5004	1.50	cps
Lithium	6-1	1947934	1922681	1900117	1923577	1.24	cps
Magnesium	24-2	2260	2237	1983	2160	7.10	cps
Manganese	55-2	4524	4444	4341	4436	2.07	cps
Molybdenum	94-1	417	347	423	396	10.74	cps
Molybdenum	95-1	270	333	367	323	15.19	cps
Molybdenum	96-1	317	400	387	368	12.17	cps
Molybdenum	97-1	203	180	157	180	12.96	cps
Molybdenum	98-1	550	480	483	504	7.83	cps
Neodymium	150-1	17	37	13	22	56.80	cps
Neodymium	150-2	3	3	10	6	69.34	cps
Nickel	60-2	943	897	947	929	3.01	cps
Phosphorus	31-2	113	153	147	138	15.55	cps
Potassium	39-2	52727	52728	53584	53013	0.93	cps
Rhodium	103-1	11651686	11701339	11538066	11630364	0.72	cps
Rhodium	103-2	7123726	7182554	7018649	7108310	1.17	cps
Scandium	45-1	6612618	6621951	6608722	6614430	0.10	cps
Scandium	45-2	581865	588568	583037	584490	0.61	cps
Selenium	82-1	225	152	151	176	23.91	cps
Selenium	77-2	7	0	0	2	173.21	cps
Selenium	78-2	447	433	473	451	4.52	cps
Silicon	28-1	557188	572583	574237	568003	1.66	cps
Silver	107-1	627	567	380	524	24.53	cps
Silver	109-1	527	440	390	452	15.29	cps
Sodium	23-2	36640	36450	37024	36705	0.80	cps
Strontium	86-1	417	403	393	404	2.90	cps
Strontium	88-1	1197	1157	1157	1170	1.97	cps
Sulfur	34-1	156313	159795	161560	159223	1.68	cps
Terbium	159-1	16125387	16198279	15945335	16089667	0.81	cps
Terbium	159-2	11312804	11289539	11117411	11239918	0.95	cps
Thallium	203-1	580	443	393	472	20.46	cps
Thallium	205-1	1173	1170	893	1079	14.90	cps
Tin	118-1	2597	8149	2657	4468	71.36	cps
Titanium	47-1	123	177	113	138	24.71	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5254-12	Instrumnet Name :	P7
Client Sample ID :	MJNLG1	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:50:45	DataFile Name :	093SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	27	10	30	22	48.22	cps
Vanadium	51-2	200	180	83	154	40.40	cps
Yttrium	89-1	19065368	19174363	19011914	19083882	0.43	cps
Yttrium	89-2	5316620	5271447	5218710	5268926	0.93	cps
Zinc	66-2	1203	1150	1363	1239	8.96	cps
Zirconium	90-1	770	747	740	752	2.09	cps
Zirconium	91-1	160	117	163	147	17.75	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5255-07	Instrumnet Name :	P7
Client Sample ID :	MJNLC3	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:54:04	DataFile Name :	094SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1067	1043	1010	1040	2.74	cps
Antimony	121-1	510	423	467	467	9.29	cps
Arsenic	75-2	293	280	273	282	3.61	cps
Barium	135-1	1333	1553	1557	1481	8.64	cps
Barium	137-1	2824	2780	2710	2771	2.06	cps
Beryllium	9-1	40	93	97	77	41.48	cps
Bismuth	209-1	10153300	10092467	10208369	10151379	0.57	cps
Bismuth	209-2	8673234	8780541	8610445	8688073	0.99	cps
Bromine	81-1	14484	14294	14627	14468	1.16	cps
Bromine	81-2	90	107	93	97	9.13	cps
Cadmium	108-1	13	3	27	14	81.07	cps
Cadmium	106-1	4647	4357	4247	4417	4.68	cps
Cadmium	111-1	970	889	868	909	5.96	cps
Calcium	43-1	2003	2194	2214	2137	5.42	cps
Calcium	44-1	38128	38809	39060	38666	1.25	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2897	2914	2924	2911	0.46	cps
Cobalt	59-2	120	107	127	118	8.65	cps
Copper	63-2	4041	3897	4201	4046	3.75	cps
Dysprosium	156-1	20	20	20	20	0.00	cps
Dysprosium	156-2	7	23	7	12	78.69	cps
Erbium	164-1	117	90	63	90	29.63	cps
Erbium	164-2	53	60	103	72	37.59	cps
Gadolinium	160-1	50	67	47	54	19.68	cps
Gadolinium	160-2	563	597	693	618	10.93	cps
Holmium	165-1	16539954	16326773	16692268	16519665	1.11	cps
Holmium	165-2	11880538	11933686	11811435	11875219	0.52	cps
Indium	115-1	13404025	13048093	13121512	13191210	1.42	cps
Indium	115-2	4957508	5039360	4916170	4971013	1.26	cps
Iron	56-2	55525	54224	54465	54738	1.26	cps
Iron	57-2	1837	1890	1927	1885	2.40	cps
Iron	54-2	4437	4397	4361	4398	0.87	cps
Krypton	83-1	117	187	157	153	22.90	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5255-07	Instrumnet Name :	P7
Client Sample ID :	MJNLC3	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:54:04	DataFile Name :	094SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2107	2227	2424	2252	7.10	cps
Lead	207-1	1717	1933	2097	1916	9.95	cps
Lead	208-1	8118	9071	9518	8902	8.04	cps
Lithium	6-1	1888407	1871071	1874350	1877943	0.49	cps
Magnesium	24-2	5268	5664	5568	5500	3.76	cps
Manganese	55-2	2507	2567	2670	2581	3.20	cps
Molybdenum	94-1	723	910	670	768	16.41	cps
Molybdenum	95-1	257	257	263	259	1.49	cps
Molybdenum	96-1	473	427	417	439	6.89	cps
Molybdenum	97-1	207	123	200	177	26.21	cps
Molybdenum	98-1	443	460	540	481	10.74	cps
Neodymium	150-1	10	20	20	17	34.64	cps
Neodymium	150-2	10	10	7	9	21.63	cps
Nickel	60-2	747	753	813	771	4.76	cps
Phosphorus	31-2	140	130	203	158	25.21	cps
Potassium	39-2	54638	54915	54494	54682	0.39	cps
Rhodium	103-1	12250603	12000254	12296097	12182318	1.31	cps
Rhodium	103-2	7347179	7412306	7375567	7378351	0.44	cps
Scandium	45-1	6775699	6807749	6735983	6773144	0.53	cps
Scandium	45-2	588062	589797	588591	588817	0.15	cps
Selenium	82-1	240	149	209	199	23.19	cps
Selenium	77-2	0	0	7	2	173.21	cps
Selenium	78-2	397	397	427	407	4.26	cps
Silicon	28-1	579248	585397	588102	584249	0.78	cps
Silver	107-1	340	350	410	367	10.33	cps
Silver	109-1	250	323	263	279	14.01	cps
Sodium	23-2	123174	124958	124726	124286	0.78	cps
Strontium	86-1	680	713	697	697	2.39	cps
Strontium	88-1	4014	4017	4064	4032	0.69	cps
Sulfur	34-1	43686223	43497728	43964003	43715984	0.54	cps
Terbium	159-1	16852827	16756294	16969319	16859480	0.63	cps
Terbium	159-2	11753125	11764053	11699084	11738754	0.30	cps
Thallium	203-1	647	1183	1533	1121	39.84	cps
Thallium	205-1	1687	2667	3564	2639	35.57	cps
Tin	118-1	74796	75845	76793	75811	1.32	cps
Titanium	47-1	450	393	400	414	7.47	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5255-07	Instrumnet Name :	P7
Client Sample ID :	MJNLC3	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:54:04	DataFile Name :	094SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	30	17	30	26	30.11	cps
Vanadium	51-2	1250	1337	1393	1327	5.44	cps
Yttrium	89-1	19818944	19753932	19485422	19686099	0.90	cps
Yttrium	89-2	5407194	5410015	5424050	5413753	0.17	cps
Zinc	66-2	1040	890	997	976	7.91	cps
Zirconium	90-1	1610	1583	1617	1603	1.10	cps
Zirconium	91-1	410	353	343	369	9.75	cps

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5347-04	Instrumnet Name :	P7
Client Sample ID :	MJNC00	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:57:24	DataFile Name :	095SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	20337	19920	20173	20143	1.04	cps
Antimony	121-1	5641	5848	5685	5725	1.90	cps
Arsenic	75-2	227	223	183	211	11.42	cps
Barium	135-1	106558	107747	105954	106753	0.85	cps
Barium	137-1	185047	186810	185139	185665	0.53	cps
Beryllium	9-1	87	50	57	64	30.31	cps
Bismuth	209-1	10458634	9953318	10016129	10142693	2.72	cps
Bismuth	209-2	8306402	8403698	8282822	8330974	0.77	cps
Bromine	81-1	18772	19483	20761	19672	5.12	cps
Bromine	81-2	1340	1303	1503	1382	7.70	cps
Cadmium	108-1	23	40	43	36	30.14	cps
Cadmium	106-1	4841	4864	4224	4643	7.82	cps
Cadmium	111-1	1349	1283	1087	1240	11.02	cps
Calcium	43-1	1706245	1658697	1633928	1666290	2.21	cps
Calcium	44-1	27010122	27053563	26379747	26814477	1.41	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	33049	33404	33277	33243	0.54	cps
Cobalt	59-2	1913	1950	2053	1972	3.68	cps
Copper	63-2	28250	28874	27889	28338	1.76	cps
Dysprosium	156-1	410	397	433	413	4.49	cps
Dysprosium	156-2	390	287	303	327	16.98	cps
Erbium	164-1	573	447	490	503	12.79	cps
Erbium	164-2	397	333	377	369	8.78	cps
Gadolinium	160-1	490	533	557	527	6.42	cps
Gadolinium	160-2	947	970	983	967	1.92	cps
Holmium	165-1	17014433	16375174	16307233	16565613	2.36	cps
Holmium	165-2	11624312	11666041	11673552	11654635	0.23	cps
Indium	115-1	13750473	13208745	12894871	13284697	3.26	cps
Indium	115-2	4827014	4794915	4800124	4807351	0.36	cps
Iron	56-2	853152	847032	841694	847293	0.68	cps
Iron	57-2	49508	49966	49331	49601	0.66	cps
Iron	54-2	47802	48809	48461	48357	1.06	cps
Krypton	83-1	167	207	183	186	10.83	cps

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5347-04	Instrumnet Name :	P7
Client Sample ID :	MJNC00	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:57:24	DataFile Name :	095SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	32913	33805	33591	33437	1.39	cps
Lead	207-1	28049	28600	29505	28718	2.56	cps
Lead	208-1	129909	132318	132945	131724	1.22	cps
Lithium	6-1	1924824	1845433	1841533	1870597	2.51	cps
Magnesium	24-2	4958408	4901203	4909727	4923113	0.63	cps
Manganese	55-2	63389	63386	61796	62857	1.46	cps
Molybdenum	94-1	4721	4788	4537	4682	2.77	cps
Molybdenum	95-1	4684	4447	4261	4464	4.75	cps
Molybdenum	96-1	5381	5168	5334	5294	2.12	cps
Molybdenum	97-1	3034	2874	2700	2869	5.81	cps
Molybdenum	98-1	7305	7405	7562	7424	1.74	cps
Neodymium	150-1	593	590	487	557	10.89	cps
Neodymium	150-2	340	347	347	344	1.12	cps
Nickel	60-2	15345	15301	15338	15328	0.15	cps
Phosphorus	31-2	503	497	463	488	4.39	cps
Potassium	39-2	2001052	1993831	1967404	1987429	0.89	cps
Rhodium	103-1	12593432	11983744	11950496	12175891	2.97	cps
Rhodium	103-2	6969471	7034966	7037843	7014093	0.55	cps
Scandium	45-1	7283762	6847787	6752576	6961375	4.07	cps
Scandium	45-2	575942	577389	578772	577368	0.25	cps
Selenium	82-1	312	276	261	283	9.31	cps
Selenium	77-2	17	7	13	12	41.65	cps
Selenium	78-2	377	463	490	443	13.37	cps
Silicon	28-1	78312582	77595509	76991596	77633229	0.85	cps
Silver	107-1	300	273	307	293	6.01	cps
Silver	109-1	263	250	230	248	6.77	cps
Sodium	23-2	2795260	2828740	2811511	2811837	0.60	cps
Strontium	86-1	693947	705691	693967	697869	0.97	cps
Strontium	88-1	6210440	6188213	6266503	6221719	0.65	cps
Sulfur	34-1	305360	298320	287970	297217	2.94	cps
Terbium	159-1	17774421	16828661	16833393	17145491	3.18	cps
Terbium	159-2	11491204	11464410	11448412	11468009	0.19	cps
Thallium	203-1	680	590	650	640	7.16	cps
Thallium	205-1	1683	1620	1420	1575	8.73	cps
Tin	118-1	2917	3004	3067	2996	2.51	cps
Titanium	47-1	3777	3414	3584	3592	5.06	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5347-04	Instrumnet Name :	P7
Client Sample ID :	MJNC00	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 19:57:24	DataFile Name :	095SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	9427	9660	9740	9609	1.70	cps
Vanadium	51-2	3190	3207	3197	3198	0.26	cps
Yttrium	89-1	20924041	20068169	19706281	20232830	3.09	cps
Yttrium	89-2	5298981	5297645	5347626	5314751	0.54	cps
Zinc	66-2	8356	8839	8576	8590	2.82	cps
Zirconium	90-1	5601	5821	5544	5656	2.59	cps
Zirconium	91-1	1173	1230	1273	1226	4.09	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5354-01	Instrumnet Name :	P7
Client Sample ID :	ME2927	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:00:38	DataFile Name :	096SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	917	960	920	932	2.59	cps
Antimony	121-1	157	150	150	152	2.53	cps
Arsenic	75-2	23	17	27	22	22.91	cps
Barium	135-1	177	210	200	196	8.75	cps
Barium	137-1	407	310	333	350	14.41	cps
Beryllium	9-1	53	60	93	69	31.11	cps
Bismuth	209-1	10084059	9917542	10030156	10010586	0.85	cps
Bismuth	209-2	8549673	8464927	8460036	8491546	0.59	cps
Bromine	81-1	14147	13970	14074	14063	0.63	cps
Bromine	81-2	107	97	143	116	21.26	cps
Cadmium	108-1	17	13	20	17	20.01	cps
Cadmium	106-1	4481	4367	4221	4356	2.99	cps
Cadmium	111-1	938	884	864	895	4.28	cps
Calcium	43-1	780	817	813	803	2.52	cps
Calcium	44-1	16299	16339	15828	16155	1.76	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2814	3010	2674	2833	5.97	cps
Cobalt	59-2	90	107	83	93	12.88	cps
Copper	63-2	2187	2350	2264	2267	3.61	cps
Dysprosium	156-1	13	10	10	11	17.30	cps
Dysprosium	156-2	13	7	10	10	33.30	cps
Erbium	164-1	57	63	73	64	13.01	cps
Erbium	164-2	50	90	63	68	30.05	cps
Gadolinium	160-1	63	53	30	49	34.99	cps
Gadolinium	160-2	610	647	643	633	3.20	cps
Holmium	165-1	16414215	16287484	16157494	16286398	0.79	cps
Holmium	165-2	11715967	11654946	11652716	11674543	0.31	cps
Indium	115-1	13306829	13045670	12820996	13057832	1.86	cps
Indium	115-2	4837330	4793682	4815645	4815552	0.45	cps
Iron	56-2	43570	43947	44124	43880	0.65	cps
Iron	57-2	1580	1623	1473	1559	4.95	cps
Iron	54-2	3717	3884	3747	3783	2.35	cps
Krypton	83-1	233	143	180	186	24.39	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5354-01	Instrumnet Name :	P7
Client Sample ID :	ME2927	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:00:38	DataFile Name :	096SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1447	1443	1480	1457	1.39	cps
Lead	207-1	1140	1283	1257	1227	6.21	cps
Lead	208-1	5631	5674	5587	5631	0.77	cps
Lithium	6-1	1909888	1861879	1878250	1883339	1.30	cps
Magnesium	24-2	1823	1840	1743	1802	2.87	cps
Manganese	55-2	2847	3037	2947	2944	3.23	cps
Molybdenum	94-1	410	373	427	403	6.77	cps
Molybdenum	95-1	257	313	220	263	17.86	cps
Molybdenum	96-1	333	353	380	356	6.59	cps
Molybdenum	97-1	130	167	187	161	17.84	cps
Molybdenum	98-1	347	403	473	408	15.56	cps
Neodymium	150-1	13	10	13	12	15.73	cps
Neodymium	150-2	10	10	7	9	21.63	cps
Nickel	60-2	757	777	770	768	1.33	cps
Phosphorus	31-2	187	170	133	163	16.70	cps
Potassium	39-2	51958	50641	50992	51197	1.33	cps
Rhodium	103-1	11982059	11878439	11786064	11882187	0.83	cps
Rhodium	103-2	7106901	6994753	7175413	7092356	1.29	cps
Scandium	45-1	6607783	6531126	6526474	6555128	0.70	cps
Scandium	45-2	569146	570669	569654	569823	0.14	cps
Selenium	82-1	95	194	105	131	41.32	cps
Selenium	77-2	3	0	0	1	173.21	cps
Selenium	78-2	457	427	367	417	11.00	cps
Silicon	28-1	568861	573060	579058	573660	0.89	cps
Silver	107-1	143	173	117	144	19.63	cps
Silver	109-1	107	123	113	114	7.33	cps
Sodium	23-2	34612	34198	34522	34444	0.63	cps
Strontium	86-1	553	537	543	544	1.54	cps
Strontium	88-1	1840	1893	1870	1868	1.43	cps
Sulfur	34-1	152667	153953	153347	153322	0.42	cps
Terbium	159-1	16687964	16438287	16466546	16530932	0.83	cps
Terbium	159-2	11396043	11332107	11356517	11361556	0.28	cps
Thallium	203-1	370	427	380	392	7.71	cps
Thallium	205-1	763	743	683	730	5.70	cps
Tin	118-1	2227	2264	2107	2199	3.73	cps
Titanium	47-1	127	107	73	102	26.36	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5354-01	Instrumnet Name :	P7
Client Sample ID :	ME2927	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:00:38	DataFile Name :	096SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	13	30	30	24	39.37	cps
Vanadium	51-2	30	77	23	43	67.07	cps
Yttrium	89-1	19439939	19356962	18997242	19264714	1.22	cps
Yttrium	89-2	5216216	5219623	5232078	5222639	0.16	cps
Zinc	66-2	937	983	883	934	5.36	cps
Zirconium	90-1	757	723	713	731	3.10	cps
Zirconium	91-1	170	147	157	158	7.42	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5363-14	Instrumnet Name :	P7
Client Sample ID :	MJNLE3	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:04:01	DataFile Name :	097SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1713	1880	1960	1851	6.80	cps
Antimony	121-1	2160	1997	1977	2045	4.92	cps
Arsenic	75-2	160	100	117	126	24.67	cps
Barium	135-1	1067	1070	1187	1108	6.17	cps
Barium	137-1	1873	1977	2050	1967	4.51	cps
Beryllium	9-1	47	47	37	43	13.32	cps
Bismuth	209-1	9737727	9715541	9652085	9701784	0.46	cps
Bismuth	209-2	8185901	8162487	8234392	8194260	0.45	cps
Bromine	81-1	170274	209833	232113	204073	15.35	cps
Bromine	81-2	48011	49412	50282	49235	2.33	cps
Cadmium	108-1	20	27	13	20	33.35	cps
Cadmium	106-1	4357	4554	4341	4417	2.69	cps
Cadmium	111-1	906	924	894	908	1.63	cps
Calcium	43-1	104993	107218	107031	106414	1.16	cps
Calcium	44-1	1656963	1701238	1675407	1677869	1.33	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2384	2427	2254	2355	3.83	cps
Cobalt	59-2	463	423	400	429	7.47	cps
Copper	63-2	3831	3854	3844	3843	0.30	cps
Dysprosium	156-1	50	37	40	42	16.43	cps
Dysprosium	156-2	53	43	27	41	32.76	cps
Erbium	164-1	93	83	83	87	6.66	cps
Erbium	164-2	63	47	97	69	36.96	cps
Gadolinium	160-1	93	70	87	83	14.42	cps
Gadolinium	160-2	690	630	623	648	5.67	cps
Holmium	165-1	16077372	15937411	16230753	16081845	0.91	cps
Holmium	165-2	11609539	11402991	11639067	11550532	1.11	cps
Indium	115-1	12637681	12509218	12418313	12521737	0.88	cps
Indium	115-2	4677292	4754032	4785111	4738812	1.17	cps
Iron	56-2	100305	100019	99909	100078	0.20	cps
Iron	57-2	4507	4741	4731	4660	2.83	cps
Iron	54-2	6772	6511	6785	6689	2.30	cps
Krypton	83-1	107	170	213	163	32.84	cps

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5363-14	Instrumnet Name :	P7
Client Sample ID :	MJNLE3	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:04:01	DataFile Name :	097SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3594	3604	3521	3573	1.27	cps
Lead	207-1	2940	3014	3097	3017	2.60	cps
Lead	208-1	13893	13946	14036	13959	0.52	cps
Lithium	6-1	1826726	1870032	1903814	1866857	2.07	cps
Magnesium	24-2	4431135	4418148	4440634	4429972	0.25	cps
Manganese	55-2	3801	3867	3864	3844	0.98	cps
Molybdenum	94-1	697	763	723	728	4.61	cps
Molybdenum	95-1	773	927	973	891	11.74	cps
Molybdenum	96-1	1093	1103	933	1043	9.14	cps
Molybdenum	97-1	490	603	530	541	10.62	cps
Molybdenum	98-1	1560	1553	1470	1528	3.28	cps
Neodymium	150-1	33	70	23	42	58.20	cps
Neodymium	150-2	20	20	30	23	24.74	cps
Nickel	60-2	1913	1917	1847	1892	2.09	cps
Phosphorus	31-2	220	187	153	187	17.86	cps
Potassium	39-2	1884802	1875732	1901444	1887326	0.69	cps
Rhodium	103-1	11373897	11297260	11445480	11372212	0.65	cps
Rhodium	103-2	6881570	6884325	6910186	6892027	0.23	cps
Scandium	45-1	6437064	6525044	6515248	6492452	0.74	cps
Scandium	45-2	570957	568176	570453	569862	0.26	cps
Selenium	82-1	293	191	162	215	32.08	cps
Selenium	77-2	0	0	7	2	173.21	cps
Selenium	78-2	460	423	403	429	6.70	cps
Silicon	28-1	631187	653481	665799	650156	2.70	cps
Silver	107-1	203	193	210	202	4.15	cps
Silver	109-1	113	133	100	116	14.52	cps
Sodium	23-2	61528714	61036079	61122919	61229237	0.43	cps
Strontium	86-1	237317	240347	238634	238766	0.64	cps
Strontium	88-1	2167348	2155558	2197994	2173634	1.01	cps
Sulfur	34-1	470951	478131	478892	475991	0.92	cps
Terbium	159-1	16333229	16119941	16464387	16305853	1.07	cps
Terbium	159-2	11428508	11349494	11300130	11359377	0.57	cps
Thallium	203-1	297	300	240	279	12.09	cps
Thallium	205-1	613	773	703	697	11.51	cps
Tin	118-1	2224	2230	2150	2201	2.02	cps
Titanium	47-1	427	457	463	449	4.35	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5363-14	Instrumnet Name :	P7
Client Sample ID :	MJNLE3	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:04:01	DataFile Name :	097SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	993	960	1077	1010	5.95	cps
Vanadium	51-2	247	290	203	247	17.57	cps
Yttrium	89-1	18961834	18755793	19191333	18969653	1.15	cps
Yttrium	89-2	5170212	5135228	5194502	5166647	0.58	cps
Zinc	66-2	1640	1653	1560	1618	3.12	cps
Zirconium	90-1	707	717	783	736	5.67	cps
Zirconium	91-1	110	167	207	161	30.15	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5363-15	Instrumnet Name :	P7
Client Sample ID :	MJNLF9	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:07:17	DataFile Name :	098SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2394	2547	2364	2435	4.04	cps
Antimony	121-1	1273	1423	1373	1357	5.63	cps
Arsenic	75-2	80	80	63	74	12.93	cps
Barium	135-1	543	577	503	541	6.79	cps
Barium	137-1	1007	923	1023	984	5.44	cps
Beryllium	9-1	53	70	57	60	14.70	cps
Bismuth	209-1	9775272	9600159	9673688	9683040	0.91	cps
Bismuth	209-2	8140197	8349004	8127294	8205498	1.52	cps
Bromine	81-1	205362	247015	273914	242097	14.27	cps
Bromine	81-2	56052	57615	58080	57249	1.86	cps
Cadmium	108-1	10	10	23	14	53.28	cps
Cadmium	106-1	4794	4417	4401	4537	4.90	cps
Cadmium	111-1	983	901	905	930	4.98	cps
Calcium	43-1	109820	109216	111177	110071	0.91	cps
Calcium	44-1	1721297	1730426	1737615	1729780	0.47	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2494	2774	2777	2681	6.07	cps
Cobalt	59-2	403	413	290	369	18.57	cps
Copper	63-2	1720	1707	1897	1775	5.98	cps
Dysprosium	156-1	33	40	10	28	56.71	cps
Dysprosium	156-2	10	17	17	14	26.66	cps
Erbium	164-1	110	130	113	118	9.10	cps
Erbium	164-2	57	67	43	56	21.08	cps
Gadolinium	160-1	70	70	83	74	10.34	cps
Gadolinium	160-2	647	617	670	644	4.15	cps
Holmium	165-1	16232316	16315316	15977081	16174904	1.09	cps
Holmium	165-2	11477146	11684628	11520590	11560788	0.95	cps
Indium	115-1	12738107	12597170	12518519	12617932	0.88	cps
Indium	115-2	4782965	4761532	4804939	4783145	0.45	cps
Iron	56-2	48374	48702	48645	48574	0.36	cps
Iron	57-2	3634	3814	3544	3664	3.75	cps
Iron	54-2	3801	3874	3921	3865	1.57	cps
Krypton	83-1	197	183	180	187	4.72	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5363-15	Instrumnet Name :	P7
Client Sample ID :	MJNLF9	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:07:17	DataFile Name :	098SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1223	1197	1260	1227	2.59	cps
Lead	207-1	1167	1010	957	1044	10.45	cps
Lead	208-1	4920	4750	4860	4844	1.78	cps
Lithium	6-1	1909106	1874811	1908742	1897553	1.04	cps
Magnesium	24-2	4619914	4554563	4536735	4570404	0.96	cps
Manganese	55-2	10674	10921	10127	10574	3.84	cps
Molybdenum	94-1	743	807	830	793	5.65	cps
Molybdenum	95-1	900	887	890	892	0.78	cps
Molybdenum	96-1	1113	1120	1070	1101	2.47	cps
Molybdenum	97-1	577	573	603	584	2.81	cps
Molybdenum	98-1	1507	1637	1453	1532	6.16	cps
Neodymium	150-1	43	27	30	33	26.45	cps
Neodymium	150-2	13	3	33	17	91.67	cps
Nickel	60-2	1547	1653	1607	1602	3.34	cps
Phosphorus	31-2	213	220	177	203	11.47	cps
Potassium	39-2	1924524	1904643	1916587	1915251	0.52	cps
Rhodium	103-1	11573629	11558137	11524170	11551979	0.22	cps
Rhodium	103-2	6923362	6980015	6893395	6932258	0.63	cps
Scandium	45-1	6604056	6589621	6630360	6608012	0.31	cps
Scandium	45-2	578956	580284	579479	579573	0.12	cps
Selenium	82-1	216	264	245	241	9.99	cps
Selenium	77-2	3	3	0	2	86.60	cps
Selenium	78-2	437	400	410	416	4.56	cps
Silicon	28-1	649674	683530	671935	668380	2.57	cps
Silver	107-1	170	137	177	161	13.30	cps
Silver	109-1	103	100	133	112	16.36	cps
Sodium	23-2	63719262	62689649	62659642	63022851	0.96	cps
Strontium	86-1	245792	248354	245744	246630	0.61	cps
Strontium	88-1	2205711	2190798	2199941	2198817	0.34	cps
Sulfur	34-1	491419	504363	501599	499127	1.37	cps
Terbium	159-1	16532304	16203931	16196007	16310747	1.18	cps
Terbium	159-2	11410163	11352179	11368366	11376903	0.26	cps
Thallium	203-1	307	253	267	276	10.07	cps
Thallium	205-1	690	597	520	602	14.14	cps
Tin	118-1	1780	1693	1737	1737	2.50	cps
Titanium	47-1	260	333	297	297	12.36	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5363-15	Instrumnet Name :	P7
Client Sample ID :	MJNLF9	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:07:17	DataFile Name :	098SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	977	927	997	967	3.73	cps
Vanadium	51-2	203	290	240	244	17.80	cps
Yttrium	89-1	19266893	18985048	18955607	19069183	0.90	cps
Yttrium	89-2	5259873	5242071	5205620	5235855	0.53	cps
Zinc	66-2	697	827	743	756	8.72	cps
Zirconium	90-1	687	817	710	738	9.39	cps
Zirconium	91-1	113	133	143	130	11.75	cps

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On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5363-16	Instrumnet Name :	P7
Client Sample ID :	MJNLG0	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:10:36	DataFile Name :	099SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1110	930	1010	1017	8.87	cps
Antimony	121-1	1097	1123	1040	1087	3.92	cps
Arsenic	75-2	40	47	30	39	21.57	cps
Barium	135-1	203	180	157	180	12.96	cps
Barium	137-1	370	337	290	332	12.10	cps
Beryllium	9-1	70	40	57	56	27.06	cps
Bismuth	209-1	10513307	9902766	9884514	10100195	3.54	cps
Bismuth	209-2	8216307	8392897	8352896	8320700	1.11	cps
Bromine	81-1	67597	65310	63034	65314	3.49	cps
Bromine	81-2	9170	9360	9033	9187	1.79	cps
Cadmium	108-1	17	3	7	9	78.08	cps
Cadmium	106-1	4741	4751	4281	4591	5.85	cps
Cadmium	111-1	964	975	863	934	6.66	cps
Calcium	43-1	17367	17740	17644	17584	1.10	cps
Calcium	44-1	287261	288092	290213	288522	0.53	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2290	2434	2440	2388	3.55	cps
Cobalt	59-2	340	357	340	346	2.79	cps
Copper	63-2	1700	1527	1673	1633	5.71	cps
Dysprosium	156-1	27	20	17	21	24.12	cps
Dysprosium	156-2	23	13	20	19	26.96	cps
Erbium	164-1	117	90	97	101	13.73	cps
Erbium	164-2	70	67	43	60	24.22	cps
Gadolinium	160-1	67	67	80	71	10.82	cps
Gadolinium	160-2	567	677	627	623	8.84	cps
Holmium	165-1	16774239	15922885	15860378	16185834	3.15	cps
Holmium	165-2	11470550	11647855	11585500	11567968	0.78	cps
Indium	115-1	13426880	12858985	12837939	13041268	2.56	cps
Indium	115-2	4840858	4842006	4852992	4845285	0.14	cps
Iron	56-2	39886	39772	40040	39899	0.34	cps
Iron	57-2	1617	1937	1823	1792	9.05	cps
Iron	54-2	3537	3710	3480	3576	3.35	cps
Krypton	83-1	180	170	203	184	9.28	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5363-16	Instrumnet Name :	P7
Client Sample ID :	MJNLG0	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:10:36	DataFile Name :	099SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1340	1363	1397	1367	2.08	cps
Lead	207-1	1153	1020	1123	1099	6.37	cps
Lead	208-1	5170	5150	5457	5259	3.26	cps
Lithium	6-1	2006389	1939030	1954609	1966676	1.79	cps
Magnesium	24-2	688585	685867	687268	687240	0.20	cps
Manganese	55-2	1923	2037	1957	1972	2.95	cps
Molybdenum	94-1	430	503	417	450	10.37	cps
Molybdenum	95-1	463	420	407	430	6.89	cps
Molybdenum	96-1	460	500	473	478	4.26	cps
Molybdenum	97-1	227	237	257	240	6.36	cps
Molybdenum	98-1	650	673	680	668	2.36	cps
Neodymium	150-1	27	13	10	17	52.93	cps
Neodymium	150-2	7	27	7	13	86.58	cps
Nickel	60-2	1390	1490	1517	1466	4.56	cps
Phosphorus	31-2	173	187	133	164	16.88	cps
Potassium	39-2	358621	357385	356943	357650	0.24	cps
Rhodium	103-1	12377892	11833664	11676776	11962778	3.08	cps
Rhodium	103-2	7024035	7114024	7020333	7052798	0.75	cps
Scandium	45-1	6924289	6621082	6531883	6692418	3.07	cps
Scandium	45-2	577878	578287	579172	578446	0.11	cps
Selenium	82-1	206	162	145	171	18.57	cps
Selenium	77-2	3	0	0	1	173.21	cps
Selenium	78-2	480	383	377	413	13.99	cps
Silicon	28-1	578574	581083	583512	581056	0.42	cps
Silver	107-1	93	137	107	112	19.78	cps
Silver	109-1	93	67	97	86	19.22	cps
Sodium	23-2	10063128	10066412	10033079	10054206	0.18	cps
Strontium	86-1	39045	39760	38874	39227	1.20	cps
Strontium	88-1	335388	339727	337078	337398	0.65	cps
Sulfur	34-1	228144	228743	228905	228597	0.18	cps
Terbium	159-1	17015304	16545597	16477944	16679615	1.75	cps
Terbium	159-2	11407253	11326192	11415252	11382899	0.43	cps
Thallium	203-1	283	337	233	284	18.17	cps
Thallium	205-1	720	683	583	662	10.68	cps
Tin	118-1	1833	1693	1637	1721	5.88	cps
Titanium	47-1	307	287	260	284	8.23	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5363-16	Instrumnet Name :	P7
Client Sample ID :	MJNLG0	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:10:36	DataFile Name :	099SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	220	193	230	214	8.84	cps
Vanadium	51-2	210	170	140	173	20.26	cps
Yttrium	89-1	20160503	19170157	19183753	19504805	2.91	cps
Yttrium	89-2	5254950	5345719	5189627	5263432	1.49	cps
Zinc	66-2	593	650	563	602	7.31	cps
Zirconium	90-1	753	763	643	720	9.25	cps
Zirconium	91-1	140	93	133	122	20.65	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-20	Instrumnet Name :	P7
Client Sample ID :	MJNLC4	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:13:55	DataFile Name :	100SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1613	1690	1720	1675	3.29	cps
Antimony	121-1	290	230	310	277	15.05	cps
Arsenic	75-2	3	10	20	11	75.52	cps
Barium	135-1	193	113	140	149	27.36	cps
Barium	137-1	257	260	273	263	3.35	cps
Beryllium	9-1	67	50	50	56	17.32	cps
Bismuth	209-1	10077254	9969552	9962725	10003177	0.64	cps
Bismuth	209-2	8294311	8388276	8361824	8348137	0.58	cps
Bromine	81-1	25208	24587	22778	24191	5.22	cps
Bromine	81-2	1787	1847	1663	1766	5.29	cps
Cadmium	108-1	13	13	3	10	57.75	cps
Cadmium	106-1	4721	4577	4344	4547	4.18	cps
Cadmium	111-1	988	933	883	935	5.62	cps
Calcium	43-1	1023	967	933	974	4.67	cps
Calcium	44-1	18895	19079	19179	19051	0.76	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2334	2424	2447	2401	2.49	cps
Cobalt	59-2	137	103	147	129	17.61	cps
Copper	63-2	1607	1523	1670	1600	4.60	cps
Dysprosium	156-1	27	7	30	21	59.77	cps
Dysprosium	156-2	7	20	17	14	48.02	cps
Erbium	164-1	90	87	113	97	15.03	cps
Erbium	164-2	57	70	63	63	10.52	cps
Gadolinium	160-1	63	50	43	52	19.50	cps
Gadolinium	160-2	557	633	597	596	6.44	cps
Holmium	165-1	16206828	15910285	15966482	16027865	0.98	cps
Holmium	165-2	11454061	11448990	11467348	11456799	0.08	cps
Indium	115-1	12895069	12860936	12745528	12833845	0.61	cps
Indium	115-2	4832224	4783307	4839561	4818364	0.63	cps
Iron	56-2	31105	31757	31520	31461	1.05	cps
Iron	57-2	1317	1493	1263	1358	8.87	cps
Iron	54-2	2964	3080	2950	2998	2.39	cps
Krypton	83-1	200	127	153	160	23.20	cps

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On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-20	Instrumnet Name :	P7
Client Sample ID :	MJNLC4	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:13:55	DataFile Name :	100SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1190	1077	1113	1127	5.13	cps
Lead	207-1	1000	967	927	964	3.81	cps
Lead	208-1	4714	4504	4437	4551	3.17	cps
Lithium	6-1	1976647	1947880	1944334	1956287	0.91	cps
Magnesium	24-2	6892	7135	7082	7036	1.82	cps
Manganese	55-2	3710	3764	3754	3743	0.76	cps
Molybdenum	94-1	363	377	403	381	5.34	cps
Molybdenum	95-1	287	277	243	269	8.44	cps
Molybdenum	96-1	307	343	367	339	8.93	cps
Molybdenum	97-1	153	167	153	158	4.88	cps
Molybdenum	98-1	453	433	420	436	3.85	cps
Neodymium	150-1	13	10	23	16	44.60	cps
Neodymium	150-2	7	17	13	12	41.65	cps
Nickel	60-2	820	753	897	823	8.71	cps
Phosphorus	31-2	133	197	177	169	19.17	cps
Potassium	39-2	62742	62538	63117	62799	0.47	cps
Rhodium	103-1	11899247	11752448	11812768	11821487	0.62	cps
Rhodium	103-2	7058862	7055862	7030931	7048552	0.22	cps
Scandium	45-1	6640239	6623577	6651745	6638520	0.21	cps
Scandium	45-2	576199	571512	577315	575009	0.54	cps
Selenium	82-1	228	213	147	196	22.15	cps
Selenium	77-2	0	0	3	1	173.21	cps
Selenium	78-2	447	363	467	426	12.88	cps
Silicon	28-1	562281	568853	572752	567962	0.93	cps
Silver	107-1	137	130	127	131	3.88	cps
Silver	109-1	87	70	57	71	21.14	cps
Sodium	23-2	84922	84755	85247	84975	0.29	cps
Strontium	86-1	613	670	563	616	8.67	cps
Strontium	88-1	3050	3114	3130	3098	1.36	cps
Sulfur	34-1	180384	179204	179899	179829	0.33	cps
Terbium	159-1	16680867	16265181	16167279	16371109	1.67	cps
Terbium	159-2	11300618	11326924	11464767	11364103	0.78	cps
Thallium	203-1	277	217	267	253	12.69	cps
Thallium	205-1	727	540	587	618	15.72	cps
Tin	118-1	2077	1720	1857	1885	9.55	cps
Titanium	47-1	160	137	117	138	15.74	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-20	Instrumnet Name :	P7
Client Sample ID :	MJNLC4	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:13:55	DataFile Name :	100SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	13	10	30	18	60.28	cps
Vanadium	51-2	43	47	50	47	7.15	cps
Yttrium	89-1	19220661	19176678	19001024	19132788	0.61	cps
Yttrium	89-2	5291271	5299601	5251624	5280832	0.49	cps
Zinc	66-2	860	860	917	879	3.72	cps
Zirconium	90-1	813	717	767	766	6.31	cps
Zirconium	91-1	77	120	100	99	21.93	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-01	Instrumnet Name :	P7
Client Sample ID :	MJNKA1	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:17:17	DataFile Name :	101SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3137206	3137138	3138881	3137742	0.03	cps
Antimony	121-1	4097725	4183614	4148931	4143423	1.04	cps
Arsenic	75-2	508854	510252	511544	510217	0.26	cps
Barium	135-1	825240	836893	842232	834788	1.04	cps
Barium	137-1	1425563	1455840	1460494	1447299	1.31	cps
Beryllium	9-1	527	587	530	548	6.16	cps
Bismuth	209-1	10943241	10492016	10208411	10547889	3.51	cps
Bismuth	209-2	8563305	8666096	8573982	8601128	0.66	cps
Bromine	81-1	46944	46346	44069	45786	3.31	cps
Bromine	81-2	5731	5861	5558	5717	2.66	cps
Cadmium	108-1	693	740	723	719	3.29	cps
Cadmium	106-1	6065	5735	5828	5876	2.90	cps
Cadmium	111-1	6455	6622	6853	6643	3.01	cps
Calcium	43-1	314163	321458	323793	319805	1.57	cps
Calcium	44-1	4886938	5044684	5075645	5002422	2.02	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	153633	154893	153902	154143	0.43	cps
Cobalt	59-2	410773	413375	417662	413937	0.84	cps
Copper	63-2	1602758	1638717	1613733	1618403	1.14	cps
Dysprosium	156-1	24615	24655	24485	24585	0.36	cps
Dysprosium	156-2	20228	20725	20298	20417	1.32	cps
Erbium	164-1	23273	25126	24792	24397	4.05	cps
Erbium	164-2	17828	17902	17992	17907	0.46	cps
Gadolinium	160-1	25530	25777	25046	25451	1.46	cps
Gadolinium	160-2	19594	19570	19908	19691	0.96	cps
Holmium	165-1	17767745	16775764	16532367	17025292	3.84	cps
Holmium	165-2	11994154	12004771	12060989	12019971	0.30	cps
Indium	115-1	14400477	13514903	13585964	13833782	3.56	cps
Indium	115-2	5121456	5065382	5132768	5106535	0.71	cps
Iron	56-2	225104450	228716097	226774997	226865181	0.80	cps
Iron	57-2	5563359	5610603	5629326	5601096	0.61	cps
Iron	54-2	12387687	12390030	12403265	12393661	0.07	cps
Krypton	83-1	253	220	243	239	7.16	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-01	Instrumnet Name :	P7
Client Sample ID :	MJNKA1	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:17:17	DataFile Name :	101SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	7610677	7902517	7674556	7729250	1.98	cps
Lead	207-1	6713809	6830041	6740821	6761557	0.90	cps
Lead	208-1	30451107	31141348	30767975	30786810	1.12	cps
Lithium	6-1	2128808	2030560	2021796	2060388	2.88	cps
Magnesium	24-2	3473235	3482643	3464529	3473469	0.26	cps
Manganese	55-2	7261514	7346916	7310855	7306429	0.59	cps
Molybdenum	94-1	65834	67682	68610	67375	2.10	cps
Molybdenum	95-1	71430	72056	73992	72493	1.84	cps
Molybdenum	96-1	84097	84754	86996	85282	1.78	cps
Molybdenum	97-1	44942	46444	46009	45798	1.69	cps
Molybdenum	98-1	116261	118167	119104	117844	1.23	cps
Neodymium	150-1	34987	36140	36059	35729	1.80	cps
Neodymium	150-2	22441	22027	22007	22159	1.11	cps
Nickel	60-2	93063	94763	93425	93750	0.96	cps
Phosphorus	31-2	14007	14157	14360	14174	1.25	cps
Potassium	39-2	1649839	1649279	1645209	1648109	0.15	cps
Rhodium	103-1	12783971	12169352	11989341	12314221	3.38	cps
Rhodium	103-2	7295492	7373918	7445080	7371497	1.02	cps
Scandium	45-1	7392006	7032239	6946389	7123545	3.32	cps
Scandium	45-2	616570	623537	617877	619328	0.60	cps
Selenium	82-1	332	319	307	319	3.85	cps
Selenium	77-2	87	67	93	82	16.87	cps
Selenium	78-2	533	607	467	536	13.08	cps
Silicon	28-1	20642802	21279059	21303776	21075212	1.78	cps
Silver	107-1	15415	15358	15425	15399	0.23	cps
Silver	109-1	14881	14514	14824	14740	1.34	cps
Sodium	23-2	5337028	5381899	5314183	5344370	0.64	cps
Strontium	86-1	371289	379717	381926	377644	1.49	cps
Strontium	88-1	3312962	3393549	3420976	3375829	1.66	cps
Sulfur	34-1	231532	232941	233131	232535	0.38	cps
Terbium	159-1	18116106	17139420	17037649	17431058	3.42	cps
Terbium	159-2	11865693	11918475	11935600	11906589	0.31	cps
Thallium	203-1	4708	4884	5098	4896	3.99	cps
Thallium	205-1	11545	11612	12055	11737	2.36	cps
Tin	118-1	548814	560883	560932	556876	1.25	cps
Titanium	47-1	552126	565316	570240	562560	1.66	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-01	Instrumnet Name :	P7
Client Sample ID :	MJNKA1	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:17:17	DataFile Name :	101SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	34508	33632	34505	34215	1.47	cps
Vanadium	51-2	193166	193112	193490	193256	0.11	cps
Yttrium	89-1	21272024	20139099	20304271	20571798	2.98	cps
Yttrium	89-2	5604693	5648724	5735582	5663000	1.18	cps
Zinc	66-2	3470167	3464421	3501048	3478546	0.57	cps
Zirconium	90-1	69517	71292	71808	70872	1.70	cps
Zirconium	91-1	16456	16266	16463	16395	0.68	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-02	Instrumnet Name :	P7
Client Sample ID :	MJNKA7	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:20:20	DataFile Name :	102SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1547096	1535893	1524347	1535779	0.74	cps
Antimony	121-1	563634	563218	562884	563245	0.07	cps
Arsenic	75-2	116244	115051	115827	115708	0.52	cps
Barium	135-1	268398	272788	266817	269334	1.15	cps
Barium	137-1	473348	472279	467820	471149	0.62	cps
Beryllium	9-1	323	380	420	374	12.97	cps
Bismuth	209-1	10308163	10434138	10257319	10333206	0.88	cps
Bismuth	209-2	8429339	8466967	8485739	8460681	0.34	cps
Bromine	81-1	50827	52436	54243	52502	3.25	cps
Bromine	81-2	8172	8092	8372	8212	1.76	cps
Cadmium	108-1	383	407	377	389	4.05	cps
Cadmium	106-1	5404	5154	5048	5202	3.52	cps
Cadmium	111-1	5100	5126	4895	5040	2.51	cps
Calcium	43-1	2183001	2186986	2168925	2179637	0.44	cps
Calcium	44-1	34857039	34724936	34957108	34846361	0.33	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	86422	86801	85715	86313	0.64	cps
Cobalt	59-2	218080	219172	218947	218733	0.26	cps
Copper	63-2	1915286	1924403	1914526	1918072	0.29	cps
Dysprosium	156-1	21637	22555	22087	22093	2.08	cps
Dysprosium	156-2	18662	18509	18486	18552	0.52	cps
Erbium	164-1	20125	20024	19934	20028	0.48	cps
Erbium	164-2	14244	14354	14241	14280	0.45	cps
Gadolinium	160-1	22391	22325	22375	22363	0.16	cps
Gadolinium	160-2	16874	16747	17127	16916	1.15	cps
Holmium	165-1	16754509	16425786	16690743	16623679	1.05	cps
Holmium	165-2	11832346	11799959	11653098	11761801	0.81	cps
Indium	115-1	13305526	13243737	13346309	13298524	0.39	cps
Indium	115-2	4885742	4787560	4844628	4839310	1.02	cps
Iron	56-2	103625728	102723898	103039942	103129856	0.44	cps
Iron	57-2	2646372	2607255	2587965	2613864	1.14	cps
Iron	54-2	5661427	5586761	5612152	5620113	0.68	cps
Krypton	83-1	213	277	230	240	13.68	cps

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-02	Instrumnet Name :	P7
Client Sample ID :	MJNKA7	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:20:20	DataFile Name :	102SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3327054	3323064	3290540	3313552	0.60	cps
Lead	207-1	2896638	2922075	2875041	2897918	0.81	cps
Lead	208-1	13197985	13250620	13073071	13173892	0.69	cps
Lithium	6-1	2040321	1994293	2009175	2014596	1.17	cps
Magnesium	24-2	1814289	1814012	1805007	1811103	0.29	cps
Manganese	55-2	964140	959015	958281	960479	0.33	cps
Molybdenum	94-1	23489	23462	23489	23480	0.07	cps
Molybdenum	95-1	21466	21356	21556	21459	0.47	cps
Molybdenum	96-1	26320	26471	26541	26444	0.43	cps
Molybdenum	97-1	13503	13747	13827	13692	1.23	cps
Molybdenum	98-1	35694	35590	35643	35642	0.15	cps
Neodymium	150-1	36206	35688	35565	35820	0.95	cps
Neodymium	150-2	21513	21630	21486	21543	0.35	cps
Nickel	60-2	29519	29589	29275	29461	0.56	cps
Phosphorus	31-2	10630	10584	10254	10489	1.96	cps
Potassium	39-2	975602	969821	972584	972669	0.30	cps
Rhodium	103-1	12032642	11836313	11848068	11905674	0.92	cps
Rhodium	103-2	7047633	7071740	7055160	7058178	0.17	cps
Scandium	45-1	6821090	6636778	6682393	6713421	1.43	cps
Scandium	45-2	579998	577442	579655	579032	0.24	cps
Selenium	82-1	335	244	232	270	20.80	cps
Selenium	77-2	57	100	23	60	64.07	cps
Selenium	78-2	373	437	443	418	9.25	cps
Silicon	28-1	27202065	29436160	27719653	28119293	4.16	cps
Silver	107-1	21152	21773	20878	21268	2.16	cps
Silver	109-1	19981	20868	20338	20396	2.19	cps
Sodium	23-2	6743327	6626831	6681214	6683791	0.87	cps
Strontium	86-1	2354052	2358716	2395873	2369547	0.97	cps
Strontium	88-1	20678090	20697616	20479775	20618494	0.58	cps
Sulfur	34-1	262525	262610	263932	263022	0.30	cps
Terbium	159-1	17168431	16846330	16864018	16959593	1.07	cps
Terbium	159-2	11608918	11552249	11508235	11556467	0.44	cps
Thallium	203-1	3107	3080	3157	3115	1.25	cps
Thallium	205-1	7182	7159	7232	7191	0.52	cps
Tin	118-1	331860	330040	329221	330374	0.41	cps
Titanium	47-1	389465	386456	386852	387591	0.42	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-02	Instrumnet Name :	P7
Client Sample ID :	MJNKA7	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:20:20	DataFile Name :	102SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	47381	48438	47692	47837	1.14	cps
Vanadium	51-2	95261	95026	95077	95122	0.13	cps
Yttrium	89-1	20183897	20005032	19902916	20030615	0.71	cps
Yttrium	89-2	5380654	5348833	5388968	5372818	0.39	cps
Zinc	66-2	1433442	1423402	1426427	1427757	0.36	cps
Zirconium	90-1	30715	31544	31484	31248	1.48	cps
Zirconium	91-1	7135	7032	7148	7105	0.90	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-03	Instrumnet Name :	P7
Client Sample ID :	MJNKA8	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:23:27	DataFile Name :	103SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2051919	2007116	2096668	2051901	2.18	cps
Antimony	121-1	1347090	1386673	1383995	1372586	1.61	cps
Arsenic	75-2	627954	626524	637575	630684	0.95	cps
Barium	135-1	201089	209794	204434	205106	2.14	cps
Barium	137-1	351135	360955	360806	357632	1.57	cps
Beryllium	9-1	773	753	907	811	10.28	cps
Bismuth	209-1	11203017	10562652	10354657	10706775	4.13	cps
Bismuth	209-2	8619310	8620954	8681726	8640663	0.41	cps
Bromine	81-1	35386	34707	35787	35293	1.55	cps
Bromine	81-2	4187	4514	4404	4368	3.81	cps
Cadmium	108-1	787	660	780	742	9.60	cps
Cadmium	106-1	5998	5848	5778	5875	1.91	cps
Cadmium	111-1	7678	8320	8113	8037	4.08	cps
Calcium	43-1	209018	218781	218476	215425	2.58	cps
Calcium	44-1	3275852	3426574	3447471	3383299	2.77	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	155077	156832	155701	155870	0.57	cps
Cobalt	59-2	365530	364582	365905	365339	0.19	cps
Copper	63-2	2327411	2356561	2358495	2347489	0.74	cps
Dysprosium	156-1	28973	28983	29371	29109	0.78	cps
Dysprosium	156-2	23847	24475	24809	24377	2.00	cps
Erbium	164-1	28118	28355	28753	28409	1.13	cps
Erbium	164-2	20004	20592	20942	20513	2.31	cps
Gadolinium	160-1	28850	30079	29825	29585	2.19	cps
Gadolinium	160-2	22728	22662	22812	22734	0.33	cps
Holmium	165-1	18022561	16809658	16714057	17182092	4.25	cps
Holmium	165-2	11955151	12109409	12072960	12045840	0.67	cps
Indium	115-1	14820602	14134397	13790092	14248364	3.68	cps
Indium	115-2	5161720	5214395	5259264	5211793	0.94	cps
Iron	56-2	207863117	208624710	208738570	208408799	0.23	cps
Iron	57-2	5136108	5140003	5168938	5148350	0.35	cps
Iron	54-2	11290358	11366438	11355516	11337437	0.36	cps
Krypton	83-1	293	213	280	262	16.34	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-03	Instrumnet Name :	P7
Client Sample ID :	MJNKA8	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:23:27	DataFile Name :	103SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	8661039	8939573	8886807	8829140	1.68	cps
Lead	207-1	7631468	7758340	7737835	7709214	0.88	cps
Lead	208-1	34885784	35579041	35353427	35272751	1.00	cps
Lithium	6-1	2163960	2020789	1989933	2058227	4.51	cps
Magnesium	24-2	2157334	2117631	2165350	2146772	1.19	cps
Manganese	55-2	1460784	1466579	1487048	1471470	0.94	cps
Molybdenum	94-1	161566	170307	169471	167115	2.89	cps
Molybdenum	95-1	274504	282978	284519	280667	1.92	cps
Molybdenum	96-1	299157	308514	309891	305854	1.91	cps
Molybdenum	97-1	173534	177301	178918	176584	1.56	cps
Molybdenum	98-1	443392	460392	462989	455591	2.34	cps
Neodymium	150-1	42424	43791	42848	43021	1.63	cps
Neodymium	150-2	26355	26291	25784	26143	1.20	cps
Nickel	60-2	64149	64554	64501	64402	0.34	cps
Phosphorus	31-2	12095	12165	12325	12195	0.97	cps
Potassium	39-2	1636618	1633159	1659321	1643033	0.86	cps
Rhodium	103-1	12885802	12196635	12383506	12488648	2.85	cps
Rhodium	103-2	7433904	7455099	7359829	7416277	0.67	cps
Scandium	45-1	7404171	7077714	7039260	7173715	2.79	cps
Scandium	45-2	615689	612778	618354	615607	0.45	cps
Selenium	82-1	273	280	187	247	20.92	cps
Selenium	77-2	90	80	77	82	8.44	cps
Selenium	78-2	530	493	603	542	10.33	cps
Silicon	28-1	58196882	60958884	59583654	59579807	2.32	cps
Silver	107-1	13627	13633	14247	13836	2.58	cps
Silver	109-1	12405	13143	13229	12926	3.50	cps
Sodium	23-2	7539797	7405548	7546757	7497367	1.06	cps
Strontium	86-1	211474	220905	218530	216970	2.26	cps
Strontium	88-1	1891836	1988457	1964130	1948141	2.58	cps
Sulfur	34-1	216839	220951	217644	218478	1.00	cps
Terbium	159-1	18575541	17263517	17174758	17671272	4.44	cps
Terbium	159-2	11851347	11806058	11902496	11853300	0.41	cps
Thallium	203-1	10381	10671	10818	10623	2.09	cps
Thallium	205-1	25581	24906	25708	25398	1.70	cps
Tin	118-1	445643	465545	465274	458820	2.49	cps
Titanium	47-1	236373	244940	249055	243456	2.66	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-03	Instrumnet Name :	P7
Client Sample ID :	MJNKA8	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:23:27	DataFile Name :	103SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	54116	56172	54301	54863	2.07	cps
Vanadium	51-2	126743	125681	127230	126551	0.63	cps
Yttrium	89-1	21718046	20662344	20574248	20984879	3.03	cps
Yttrium	89-2	5676275	5664766	5714748	5685263	0.46	cps
Zinc	66-2	2651188	2661545	2702043	2671592	1.01	cps
Zirconium	90-1	22110	23052	26607	23923	9.91	cps
Zirconium	91-1	5524	5644	6125	5765	5.51	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-04	Instrumnet Name :	P7
Client Sample ID :	MJNKA9	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:26:30	DataFile Name :	104SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1620001	1628438	1613878	1620772	0.45	cps
Antimony	121-1	245803	246822	246109	246245	0.21	cps
Arsenic	75-2	23632	23539	23151	23441	1.09	cps
Barium	135-1	90757	90841	90599	90732	0.14	cps
Barium	137-1	157009	156467	157488	156988	0.33	cps
Beryllium	9-1	287	293	237	272	11.38	cps
Bismuth	209-1	10490309	10164976	10248848	10301378	1.64	cps
Bismuth	209-2	8680019	8609716	8538956	8609564	0.82	cps
Bromine	81-1	35957	36789	37247	36664	1.78	cps
Bromine	81-2	4431	4481	4791	4567	4.27	cps
Cadmium	108-1	230	257	197	228	13.20	cps
Cadmium	106-1	5168	4844	5094	5035	3.37	cps
Cadmium	111-1	2668	2696	2889	2751	4.37	cps
Calcium	43-1	482710	482330	477272	480771	0.63	cps
Calcium	44-1	7503937	7550418	7437451	7497268	0.76	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	88618	89674	89436	89243	0.62	cps
Cobalt	59-2	75495	75026	74229	74917	0.85	cps
Copper	63-2	820133	822080	815278	819164	0.43	cps
Dysprosium	156-1	24164	23924	23927	24005	0.57	cps
Dysprosium	156-2	19260	19861	20422	19847	2.93	cps
Erbium	164-1	20111	20075	20038	20075	0.18	cps
Erbium	164-2	14091	14377	14014	14161	1.35	cps
Gadolinium	160-1	23400	23677	23687	23588	0.69	cps
Gadolinium	160-2	18229	18175	17645	18016	1.79	cps
Holmium	165-1	17050976	16818579	16913208	16927588	0.69	cps
Holmium	165-2	11914336	11878365	11888621	11893774	0.16	cps
Indium	115-1	13702945	13386551	13437316	13508937	1.26	cps
Indium	115-2	4976842	4974596	4925182	4958873	0.59	cps
Iron	56-2	57419972	58000132	57843867	57754657	0.52	cps
Iron	57-2	1460991	1411590	1435061	1435881	1.72	cps
Iron	54-2	3185313	3153275	3172747	3170445	0.51	cps
Krypton	83-1	190	257	193	213	17.61	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-04	Instrumnet Name :	P7
Client Sample ID :	MJNKA9	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:26:30	DataFile Name :	104SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	690122	691937	694474	692178	0.32	cps
Lead	207-1	596580	597620	600703	598301	0.36	cps
Lead	208-1	2726256	2724217	2728966	2726480	0.09	cps
Lithium	6-1	2019107	1973969	1992236	1995104	1.14	cps
Magnesium	24-2	1650478	1663595	1666511	1660195	0.51	cps
Manganese	55-2	510269	507039	507229	508179	0.36	cps
Molybdenum	94-1	27276	28060	27897	27744	1.49	cps
Molybdenum	95-1	12389	12586	12926	12633	2.15	cps
Molybdenum	96-1	17527	17841	16876	17415	2.83	cps
Molybdenum	97-1	7652	7906	8066	7874	2.65	cps
Molybdenum	98-1	20144	20501	20815	20487	1.64	cps
Neodymium	150-1	40628	41397	40444	40823	1.24	cps
Neodymium	150-2	25189	24027	24919	24712	2.46	cps
Nickel	60-2	35769	35643	35742	35718	0.19	cps
Phosphorus	31-2	11484	11681	11631	11599	0.88	cps
Potassium	39-2	667370	667350	667268	667329	0.01	cps
Rhodium	103-1	12576922	12025378	12141754	12248018	2.37	cps
Rhodium	103-2	7296579	7355022	7295263	7315622	0.47	cps
Scandium	45-1	7010503	6935192	6776960	6907552	1.73	cps
Scandium	45-2	594649	591235	592153	592679	0.30	cps
Selenium	82-1	293	267	295	285	5.41	cps
Selenium	77-2	83	87	73	81	8.56	cps
Selenium	78-2	480	470	450	467	3.27	cps
Silicon	28-1	5215225	5170016	5250248	5211830	0.77	cps
Silver	107-1	8546	8196	8656	8466	2.84	cps
Silver	109-1	8039	7635	7836	7837	2.57	cps
Sodium	23-2	5435831	5419799	5468358	5441329	0.45	cps
Strontium	86-1	259394	262370	259461	260408	0.65	cps
Strontium	88-1	2321593	2351905	2331591	2335030	0.66	cps
Sulfur	34-1	262189	266513	265997	264900	0.89	cps
Terbium	159-1	17456545	17071504	17022815	17183621	1.38	cps
Terbium	159-2	11904505	11629366	11615996	11716622	1.39	cps
Thallium	203-1	2894	3134	3064	3030	4.07	cps
Thallium	205-1	6795	7055	6959	6936	1.90	cps
Tin	118-1	58555	58719	58605	58626	0.14	cps
Titanium	47-1	795009	796885	788619	793504	0.55	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-04	Instrumnet Name :	P7
Client Sample ID :	MJNKA9	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:26:30	DataFile Name :	104SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	40478	41384	40876	40913	1.11	cps
Vanadium	51-2	129059	128380	129372	128937	0.39	cps
Yttrium	89-1	20579922	20334463	20217871	20377418	0.91	cps
Yttrium	89-2	5443922	5438999	5431712	5438211	0.11	cps
Zinc	66-2	276337	277172	276774	276761	0.15	cps
Zirconium	90-1	55290	56127	58915	56777	3.34	cps
Zirconium	91-1	12249	12619	12235	12368	1.76	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-05	Instrumnet Name :	P7
Client Sample ID :	MJNKB0	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:29:41	DataFile Name :	105SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3356442	3385340	3381744	3374509	0.47	cps
Antimony	121-1	10200723	10399405	10449772	10349967	1.27	cps
Arsenic	75-2	730889	731861	730492	731081	0.10	cps
Barium	135-1	323786	328395	331175	327785	1.14	cps
Barium	137-1	564177	576118	574277	571524	1.12	cps
Beryllium	9-1	990	1067	1130	1062	6.60	cps
Bismuth	209-1	10669584	10374678	10494180	10512814	1.41	cps
Bismuth	209-2	8704182	8720311	8576646	8667046	0.91	cps
Bromine	81-1	35539	36017	37234	36263	2.41	cps
Bromine	81-2	4541	4604	4397	4514	2.35	cps
Cadmium	108-1	663	607	633	634	4.47	cps
Cadmium	106-1	5925	5768	5761	5818	1.59	cps
Cadmium	111-1	5816	5846	5804	5822	0.38	cps
Calcium	43-1	205724	212189	211773	209895	1.72	cps
Calcium	44-1	3203854	3316430	3302936	3274407	1.88	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	227716	229020	230517	229084	0.61	cps
Cobalt	59-2	414772	413231	415247	414417	0.25	cps
Copper	63-2	2891025	2874490	2821346	2862287	1.27	cps
Dysprosium	156-1	25780	26569	26402	26250	1.58	cps
Dysprosium	156-2	21316	21737	21457	21503	1.00	cps
Erbium	164-1	25804	25654	25517	25658	0.56	cps
Erbium	164-2	18309	18292	18175	18259	0.40	cps
Gadolinium	160-1	26422	27036	26852	26770	1.18	cps
Gadolinium	160-2	20775	20535	20789	20700	0.69	cps
Holmium	165-1	17177802	17017235	17065312	17086783	0.48	cps
Holmium	165-2	12178321	12216199	12138422	12177648	0.32	cps
Indium	115-1	14540116	14417665	14273417	14410399	0.93	cps
Indium	115-2	5383579	5458220	5427267	5423022	0.69	cps
Iron	56-2	256634516	258070189	257223956	257309554	0.28	cps
Iron	57-2	6266592	6277786	6348613	6297663	0.71	cps
Iron	54-2	14012740	13884326	13939231	13945432	0.46	cps
Krypton	83-1	220	263	247	243	8.98	cps

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-05	Instrumnet Name :	P7
Client Sample ID :	MJNKB0	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:29:41	DataFile Name :	105SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	9084250	9188632	9248417	9173766	0.91	cps
Lead	207-1	8068564	8076014	8045141	8063240	0.20	cps
Lead	208-1	36528865	36612874	36605479	36582406	0.13	cps
Lithium	6-1	2050199	2011296	2044081	2035192	1.03	cps
Magnesium	24-2	3768122	3797284	3753717	3773041	0.59	cps
Manganese	55-2	2033755	2039327	2050285	2041122	0.41	cps
Molybdenum	94-1	244295	251117	250857	248756	1.55	cps
Molybdenum	95-1	374961	383853	385112	381309	1.45	cps
Molybdenum	96-1	414618	424931	425364	421638	1.44	cps
Molybdenum	97-1	235738	240975	240098	238937	1.17	cps
Molybdenum	98-1	606528	618219	621326	615357	1.27	cps
Neodymium	150-1	39181	38827	38616	38875	0.73	cps
Neodymium	150-2	23981	23657	23506	23714	1.02	cps
Nickel	60-2	129540	129745	130253	129846	0.28	cps
Phosphorus	31-2	13469	13863	13816	13716	1.57	cps
Potassium	39-2	1654321	1648213	1636579	1646371	0.55	cps
Rhodium	103-1	12641506	12390928	12617294	12549909	1.10	cps
Rhodium	103-2	7681832	7650322	7645883	7659346	0.26	cps
Scandium	45-1	7304657	7268277	7329742	7300892	0.42	cps
Scandium	45-2	647137	646750	646416	646767	0.06	cps
Selenium	82-1	454	420	436	437	3.97	cps
Selenium	77-2	87	77	140	101	33.67	cps
Selenium	78-2	550	527	530	536	2.36	cps
Silicon	28-1	9223558	9437163	11014458	9891726	9.89	cps
Silver	107-1	25967	26317	26998	26427	1.99	cps
Silver	109-1	24477	24544	24855	24625	0.82	cps
Sodium	23-2	5599335	5584023	5581337	5588232	0.17	cps
Strontium	86-1	214472	219813	219291	217859	1.35	cps
Strontium	88-1	1934699	1955553	1975169	1955140	1.04	cps
Sulfur	34-1	236313	237283	233609	235735	0.81	cps
Terbium	159-1	17583496	17401303	17050286	17345028	1.56	cps
Terbium	159-2	11955297	11827801	11931225	11904774	0.57	cps
Thallium	203-1	10181	10251	10080	10171	0.84	cps
Thallium	205-1	23944	24850	23757	24184	2.42	cps
Tin	118-1	1550015	1611380	1627679	1596358	2.57	cps
Titanium	47-1	574890	596467	600829	590729	2.35	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-05	Instrumnet Name :	P7
Client Sample ID :	MJNKB0	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:29:41	DataFile Name :	105SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	50817	50659	50870	50782	0.22	cps
Vanadium	51-2	199516	199476	200320	199771	0.24	cps
Yttrium	89-1	21177341	21146514	21151095	21158317	0.08	cps
Yttrium	89-2	5851635	5821395	5720926	5797985	1.18	cps
Zinc	66-2	2528300	2556463	2572101	2552288	0.87	cps
Zirconium	90-1	81602	85125	85098	83942	2.41	cps
Zirconium	91-1	18982	19590	19683	19418	1.96	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-09	Instrumnet Name :	P7
Client Sample ID :	MJNKB2	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:32:42	DataFile Name :	106SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5900856	5872054	5806293	5859734	0.83	cps
Antimony	121-1	37862864	38485671	38282964	38210500	0.83	cps
Arsenic	75-2	5499653	5489292	5598032	5528992	1.09	cps
Barium	135-1	969847	987800	982301	979983	0.94	cps
Barium	137-1	1735911	1794920	1778343	1769725	1.72	cps
Beryllium	9-1	2777	2714	2757	2749	1.18	cps
Bismuth	209-1	10776620	10725360	10475783	10659254	1.51	cps
Bismuth	209-2	8855443	8822269	8674774	8784162	1.09	cps
Bromine	81-1	46282	47590	48402	47425	2.26	cps
Bromine	81-2	6738	7038	6922	6899	2.19	cps
Cadmium	108-1	5204	5024	4968	5065	2.44	cps
Cadmium	106-1	11832	11618	11551	11667	1.25	cps
Cadmium	111-1	43533	44435	43550	43839	1.18	cps
Calcium	43-1	1522901	1518353	1499108	1513454	0.83	cps
Calcium	44-1	24145696	24403577	24290893	24280055	0.53	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	902025	899496	900484	900668	0.14	cps
Cobalt	59-2	2127103	2140580	2152428	2140037	0.59	cps
Copper	63-2	18503538	18330762	18369687	18401329	0.49	cps
Dysprosium	156-1	39469	40435	40023	39976	1.21	cps
Dysprosium	156-2	34158	34603	34309	34356	0.66	cps
Erbium	164-1	40278	40686	39733	40232	1.19	cps
Erbium	164-2	29528	28563	28903	28998	1.69	cps
Gadolinium	160-1	38931	40288	39619	39613	1.71	cps
Gadolinium	160-2	29835	30122	30510	30156	1.12	cps
Holmium	165-1	16849843	16897672	16786229	16844581	0.33	cps
Holmium	165-2	12208974	12187090	11846682	12080916	1.68	cps
Indium	115-1	16614154	16462517	16396106	16490926	0.68	cps
Indium	115-2	6138778	6071079	6142679	6117512	0.66	cps
Iron	56-2	1137700863	1135604810	1135314596	1136206756	0.11	cps
Iron	57-2	28441135	28207550	28221612	28290099	0.46	cps
Iron	54-2	61636354	61997507	62311924	61981929	0.55	cps
Krypton	83-1	303	330	323	319	4.35	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-09	Instrumnet Name :	P7
Client Sample ID :	MJNKB2	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:32:42	DataFile Name :	106SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	49003794	48903781	48729168	48878914	0.28	cps
Lead	207-1	42580539	42355779	42817851	42584723	0.54	cps
Lead	208-1	193968342	194600581	194768464	194445796	0.22	cps
Lithium	6-1	2046802	1988743	2012475	2016007	1.45	cps
Magnesium	24-2	4002096	3993820	4011986	4002634	0.23	cps
Manganese	55-2	3833421	3864189	3866046	3854552	0.48	cps
Molybdenum	94-1	2255242	2286976	2255863	2266027	0.80	cps
Molybdenum	95-1	3775633	3851847	3807954	3811811	1.00	cps
Molybdenum	96-1	4095779	4140337	4155026	4130381	0.75	cps
Molybdenum	97-1	2347638	2371353	2371074	2363355	0.58	cps
Molybdenum	98-1	6036882	6162635	6095551	6098356	1.03	cps
Neodymium	150-1	62514	62069	63211	62598	0.92	cps
Neodymium	150-2	38873	38339	38756	38656	0.73	cps
Nickel	60-2	203387	202556	202403	202782	0.26	cps
Phosphorus	31-2	14487	14290	14340	14372	0.71	cps
Potassium	39-2	2938189	2927364	2932925	2932826	0.18	cps
Rhodium	103-1	12480074	12369207	12378594	12409292	0.50	cps
Rhodium	103-2	7470310	7522348	7426044	7472901	0.65	cps
Scandium	45-1	7391964	7227664	7242786	7287471	1.25	cps
Scandium	45-2	648095	649800	641692	646529	0.66	cps
Selenium	82-1	1086	1008	1018	1037	4.08	cps
Selenium	77-2	167	180	167	171	4.50	cps
Selenium	78-2	797	827	813	812	1.85	cps
Silicon	28-1	78477221	81216254	82268305	80653927	2.43	cps
Silver	107-1	120485	121930	123941	122118	1.42	cps
Silver	109-1	113695	115788	116833	115438	1.38	cps
Sodium	23-2	11454238	11427082	11327693	11403004	0.58	cps
Strontium	86-1	1383446	1459717	1397840	1413667	2.87	cps
Strontium	88-1	12505376	12666769	12604399	12592181	0.65	cps
Sulfur	34-1	423116	424561	424710	424129	0.21	cps
Terbium	159-1	17486419	17266822	17218866	17324036	0.82	cps
Terbium	159-2	11983763	12050928	11994691	12009794	0.30	cps
Thallium	203-1	68474	69312	69070	68952	0.63	cps
Thallium	205-1	161489	163927	161766	162394	0.82	cps
Tin	118-1	7557942	7539974	7585003	7560973	0.30	cps
Titanium	47-1	1574569	1630962	1626039	1610523	1.94	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-09	Instrumnet Name :	P7
Client Sample ID :	MJNKB2	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:32:42	DataFile Name :	106SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	347110	353743	352711	351188	1.02	cps
Vanadium	51-2	276024	274538	274813	275125	0.29	cps
Yttrium	89-1	21328901	21118198	21030623	21159241	0.72	cps
Yttrium	89-2	5833475	5894298	5868671	5865481	0.52	cps
Zinc	66-2	16493044	16424745	16391524	16436438	0.31	cps
Zirconium	90-1	386603	392236	394713	391184	1.06	cps
Zirconium	91-1	94894	95495	94841	95076	0.38	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-10	Instrumnet Name :	P7
Client Sample ID :	MJNKB3	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:36:36	DataFile Name :	107SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3020663	3047068	3009646	3025792	0.64	cps
Antimony	121-1	6883225	6932354	6897761	6904447	0.37	cps
Arsenic	75-2	470734	468153	467158	468682	0.39	cps
Barium	135-1	275324	281855	282133	279771	1.38	cps
Barium	137-1	485611	483961	488475	486016	0.47	cps
Beryllium	9-1	630	653	697	660	5.13	cps
Bismuth	209-1	10560217	10473951	10393388	10475852	0.80	cps
Bismuth	209-2	8653879	8715774	8733797	8701150	0.48	cps
Bromine	81-1	34544	36381	36706	35877	3.25	cps
Bromine	81-2	4587	4287	4224	4366	4.45	cps
Cadmium	108-1	450	573	507	510	12.11	cps
Cadmium	106-1	5835	5808	5424	5689	4.03	cps
Cadmium	111-1	4433	4469	4591	4497	1.84	cps
Calcium	43-1	191243	193746	192494	192494	0.65	cps
Calcium	44-1	2929912	3002342	2992198	2974817	1.32	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	179369	178141	178344	178618	0.37	cps
Cobalt	59-2	341827	340135	341094	341019	0.25	cps
Copper	63-2	1714570	1681194	1716545	1704103	1.17	cps
Dysprosium	156-1	22742	23022	23112	22959	0.84	cps
Dysprosium	156-2	19073	19390	18626	19030	2.02	cps
Erbium	164-1	21911	22315	22719	22315	1.81	cps
Erbium	164-2	15956	15729	15999	15895	0.91	cps
Gadolinium	160-1	23299	23500	23213	23337	0.63	cps
Gadolinium	160-2	18282	17825	18482	18196	1.85	cps
Holmium	165-1	17249842	17131251	16870831	17083975	1.13	cps
Holmium	165-2	12038742	12168847	12187891	12131827	0.67	cps
Indium	115-1	14592976	14324674	14215907	14377852	1.35	cps
Indium	115-2	5418641	5335055	5343435	5365710	0.86	cps
Iron	56-2	218198057	218499250	215813910	217503739	0.68	cps
Iron	57-2	5386144	5365382	5345708	5365745	0.38	cps
Iron	54-2	11800861	11878736	11724811	11801469	0.65	cps
Krypton	83-1	240	277	207	241	14.52	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-10	Instrumnet Name :	P7
Client Sample ID :	MJNKB3	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:36:36	DataFile Name :	107SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	6644081	6769728	6789238	6734349	1.17	cps
Lead	207-1	5842472	5976921	6023682	5947691	1.58	cps
Lead	208-1	26824156	27299012	27353105	27158758	1.07	cps
Lithium	6-1	2051292	2013503	1987854	2017550	1.58	cps
Magnesium	24-2	3738023	3691202	3660193	3696473	1.06	cps
Manganese	55-2	2040070	2029150	2056724	2041981	0.68	cps
Molybdenum	94-1	96767	97033	96119	96639	0.49	cps
Molybdenum	95-1	105241	107296	106920	106486	1.03	cps
Molybdenum	96-1	122794	123267	122773	122945	0.23	cps
Molybdenum	97-1	66142	66694	67518	66785	1.04	cps
Molybdenum	98-1	170664	172250	172373	171762	0.55	cps
Neodymium	150-1	34282	33810	34241	34111	0.77	cps
Neodymium	150-2	21256	20936	20662	20951	1.42	cps
Nickel	60-2	108028	108099	108525	108218	0.25	cps
Phosphorus	31-2	15945	16663	16242	16283	2.21	cps
Potassium	39-2	1601451	1598053	1590980	1596828	0.33	cps
Rhodium	103-1	12895241	12791796	12688281	12791773	0.81	cps
Rhodium	103-2	7700676	7601617	7621916	7641403	0.68	cps
Scandium	45-1	7464515	7419026	7356187	7413243	0.73	cps
Scandium	45-2	650420	650395	655534	652116	0.45	cps
Selenium	82-1	368	376	441	395	10.12	cps
Selenium	77-2	97	70	57	74	27.36	cps
Selenium	78-2	630	553	493	559	12.26	cps
Silicon	28-1	5672606	5755611	7071093	6166437	12.72	cps
Silver	107-1	14030	14371	13867	14089	1.82	cps
Silver	109-1	13366	13083	13516	13322	1.65	cps
Sodium	23-2	5759310	5710251	5705245	5724935	0.52	cps
Strontium	86-1	196033	198135	198225	197464	0.63	cps
Strontium	88-1	1737297	1765791	1754439	1752509	0.82	cps
Sulfur	34-1	226517	226365	226459	226447	0.03	cps
Terbium	159-1	17578539	17589054	17475509	17547701	0.36	cps
Terbium	159-2	12011027	11797269	11929967	11912754	0.91	cps
Thallium	203-1	5161	5208	5288	5219	1.23	cps
Thallium	205-1	12282	12429	12129	12280	1.22	cps
Tin	118-1	1110099	1120085	1122310	1117498	0.58	cps
Titanium	47-1	529991	536831	537891	534904	0.80	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-10	Instrumnet Name :	P7
Client Sample ID :	MJNKB3	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:36:36	DataFile Name :	107SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	32152	32256	31975	32128	0.44	cps
Vanadium	51-2	189578	189534	191194	190102	0.50	cps
Yttrium	89-1	21523156	21115051	21173185	21270464	1.04	cps
Yttrium	89-2	5827525	5736071	5856722	5806772	1.08	cps
Zinc	66-2	2178100	2177063	2150982	2168715	0.71	cps
Zirconium	90-1	96847	108619	99343	101603	6.11	cps
Zirconium	91-1	22204	22668	22457	22443	1.04	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-11	Instrumnet Name :	P7
Client Sample ID :	MJNKB4	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:39:39	DataFile Name :	108SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5580901	5568196	5545522	5564873	0.32	cps
Antimony	121-1	32041142	31998133	32155412	32064896	0.25	cps
Arsenic	75-2	3596853	3617194	3618791	3610946	0.34	cps
Barium	135-1	2259430	2261706	2263707	2261614	0.09	cps
Barium	137-1	3907629	3940776	3900609	3916338	0.55	cps
Beryllium	9-1	1800	1900	1990	1897	5.01	cps
Bismuth	209-1	10706983	10358445	10393409	10486279	1.83	cps
Bismuth	209-2	8835922	8639873	8643994	8706596	1.29	cps
Bromine	81-1	45798	47957	49974	47910	4.36	cps
Bromine	81-2	7385	7008	6845	7080	3.91	cps
Cadmium	108-1	3054	2934	3080	3023	2.59	cps
Cadmium	106-1	9797	10097	9487	9793	3.12	cps
Cadmium	111-1	20912	21785	21122	21273	2.14	cps
Calcium	43-1	2435749	2494766	2482649	2471054	1.26	cps
Calcium	44-1	39273417	39561733	39768741	39534630	0.63	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	257566	257109	258821	257832	0.34	cps
Cobalt	59-2	1164183	1165368	1164138	1164563	0.06	cps
Copper	63-2	13945089	14049790	13987151	13994010	0.38	cps
Dysprosium	156-1	27681	28736	28035	28151	1.91	cps
Dysprosium	156-2	23794	23383	23767	23648	0.97	cps
Erbium	164-1	29785	30837	30737	30453	1.91	cps
Erbium	164-2	22441	22435	22448	22441	0.03	cps
Gadolinium	160-1	28679	29134	28439	28751	1.23	cps
Gadolinium	160-2	22054	22198	22592	22281	1.25	cps
Holmium	165-1	17229425	16712665	16881888	16941326	1.56	cps
Holmium	165-2	12068194	12160230	12002103	12076842	0.66	cps
Indium	115-1	18362346	18227799	18290750	18293632	0.37	cps
Indium	115-2	6836840	6752785	6825873	6805166	0.67	cps
Iron	56-2	732405109	729075456	732558736	731346434	0.27	cps
Iron	57-2	17989879	18101986	18054926	18048930	0.31	cps
Iron	54-2	39616799	39526204	39645035	39596013	0.16	cps
Krypton	83-1	263	297	303	288	7.45	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-11	Instrumnet Name :	P7
Client Sample ID :	MJNKB4	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:39:39	DataFile Name :	108SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	47765664	48350174	48380514	48165451	0.72	cps
Lead	207-1	42500992	42772999	42604990	42626327	0.32	cps
Lead	208-1	192593998	194433982	193840516	193622832	0.49	cps
Lithium	6-1	2020135	1992236	1996865	2003079	0.75	cps
Magnesium	24-2	4455078	4451487	4488105	4464890	0.45	cps
Manganese	55-2	5894895	5870860	5880997	5882250	0.21	cps
Molybdenum	94-1	578111	587790	583911	583271	0.84	cps
Molybdenum	95-1	764885	777721	777046	773218	0.93	cps
Molybdenum	96-1	849482	866909	873643	863345	1.44	cps
Molybdenum	97-1	480146	486154	486548	484283	0.74	cps
Molybdenum	98-1	1235749	1258156	1260856	1251587	1.10	cps
Neodymium	150-1	40876	41524	40899	41100	0.90	cps
Neodymium	150-2	25436	24942	24732	25037	1.44	cps
Nickel	60-2	169714	170530	170304	170183	0.25	cps
Phosphorus	31-2	16446	16773	16883	16700	1.36	cps
Potassium	39-2	2832467	2882014	2879409	2864630	0.97	cps
Rhodium	103-1	12864801	12451107	12431843	12582584	1.94	cps
Rhodium	103-2	7473363	7460818	7398849	7444343	0.54	cps
Scandium	45-1	7490665	7213244	7296081	7333330	1.94	cps
Scandium	45-2	644552	647536	650535	647541	0.46	cps
Selenium	82-1	1024	1084	1039	1049	2.96	cps
Selenium	77-2	130	117	167	138	18.79	cps
Selenium	78-2	783	753	853	797	6.44	cps
Silicon	28-1	24639550	25321735	25002685	24987990	1.37	cps
Silver	107-1	110590	113382	112609	112194	1.28	cps
Silver	109-1	105916	107535	106688	106713	0.76	cps
Sodium	23-2	12439963	12321379	12434603	12398649	0.54	cps
Strontium	86-1	1877862	1942644	1940190	1920232	1.91	cps
Strontium	88-1	16243987	16595776	16745493	16528419	1.56	cps
Sulfur	34-1	350476	357237	359350	355688	1.30	cps
Terbium	159-1	17808557	17206773	17431083	17482138	1.74	cps
Terbium	159-2	12077535	11835049	11883325	11931970	1.08	cps
Thallium	203-1	17238	17351	17401	17330	0.48	cps
Thallium	205-1	40116	40577	40557	40417	0.65	cps
Tin	118-1	8764709	8913601	8779335	8819215	0.93	cps
Titanium	47-1	1014801	1028719	1040166	1027895	1.24	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-11	Instrumnet Name :	P7
Client Sample ID :	MJNKB4	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:39:39	DataFile Name :	108SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	160424	164141	163834	162800	1.27	cps
Vanadium	51-2	246937	245508	247504	246650	0.42	cps
Yttrium	89-1	21387262	20950009	21017403	21118225	1.11	cps
Yttrium	89-2	5845897	5812348	5783950	5814065	0.53	cps
Zinc	66-2	15974894	16004588	15973364	15984282	0.11	cps
Zirconium	90-1	379865	389711	392589	387389	1.72	cps
Zirconium	91-1	88803	92090	91533	90809	1.94	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-12	Instrumnet Name :	P7
Client Sample ID :	MJNKB5	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:42:34	DataFile Name :	109SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2527242	2468589	2501095	2498976	1.18	cps
Antimony	121-1	373429	374597	374883	374303	0.21	cps
Arsenic	75-2	30328	30091	30024	30147	0.53	cps
Barium	135-1	54832	55564	55829	55408	0.93	cps
Barium	137-1	96246	98680	95179	96701	1.86	cps
Beryllium	9-1	450	450	397	432	7.12	cps
Bismuth	209-1	10152343	9940539	10118441	10070441	1.13	cps
Bismuth	209-2	8597999	8576417	8504158	8559525	0.57	cps
Bromine	81-1	28514	29636	29967	29373	2.59	cps
Bromine	81-2	2914	2950	3040	2968	2.20	cps
Cadmium	108-1	157	180	110	149	23.94	cps
Cadmium	106-1	5221	5151	5238	5203	0.88	cps
Cadmium	111-1	1747	1755	1859	1787	3.48	cps
Calcium	43-1	119858	119304	120322	119828	0.43	cps
Calcium	44-1	1852082	1847530	1850096	1849903	0.12	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	154959	155862	154279	155033	0.51	cps
Cobalt	59-2	135027	136533	134772	135444	0.70	cps
Copper	63-2	285685	288284	285798	286589	0.51	cps
Dysprosium	156-1	22765	23002	22962	22910	0.55	cps
Dysprosium	156-2	19003	19120	19153	19092	0.41	cps
Erbium	164-1	20922	20572	20999	20831	1.09	cps
Erbium	164-2	15145	14985	15385	15172	1.33	cps
Gadolinium	160-1	22822	23062	22915	22933	0.53	cps
Gadolinium	160-2	17972	18305	17604	17960	1.95	cps
Holmium	165-1	17174619	16848699	16649662	16890993	1.57	cps
Holmium	165-2	12084379	12216085	12060283	12120249	0.69	cps
Indium	115-1	13741371	13569051	13617228	13642550	0.65	cps
Indium	115-2	5221087	5220657	5121017	5187587	1.11	cps
Iron	56-2	122891175	122147188	121791968	122276777	0.46	cps
Iron	57-2	3025475	3019525	3021779	3022260	0.10	cps
Iron	54-2	6708400	6737503	6617685	6687863	0.93	cps
Krypton	83-1	233	197	237	222	9.99	cps

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-12	Instrumnet Name :	P7
Client Sample ID :	MJNKB5	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:42:34	DataFile Name :	109SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	525565	523575	527705	525615	0.39	cps
Lead	207-1	446066	449536	453834	449812	0.87	cps
Lead	208-1	2064148	2066276	2076622	2069015	0.32	cps
Lithium	6-1	2005596	2035735	1993875	2011736	1.07	cps
Magnesium	24-2	3582271	3514226	3507576	3534691	1.17	cps
Manganese	55-2	1298683	1280749	1275733	1285055	0.94	cps
Molybdenum	94-1	29389	30111	30211	29904	1.50	cps
Molybdenum	95-1	6972	7122	7032	7042	1.07	cps
Molybdenum	96-1	12759	13573	13406	13246	3.25	cps
Molybdenum	97-1	4347	4481	4788	4539	4.97	cps
Molybdenum	98-1	11101	11718	11041	11287	3.32	cps
Neodymium	150-1	35368	34622	35040	35010	1.07	cps
Neodymium	150-2	21767	21710	20932	21470	2.17	cps
Nickel	60-2	92811	93281	93080	93057	0.25	cps
Phosphorus	31-2	10167	9787	10150	10034	2.14	cps
Potassium	39-2	1379226	1375420	1383098	1379248	0.28	cps
Rhodium	103-1	12727371	12536604	12703843	12655939	0.82	cps
Rhodium	103-2	7744626	7681464	7643655	7689915	0.66	cps
Scandium	45-1	7436081	7382253	7404241	7407525	0.37	cps
Scandium	45-2	656263	656441	646667	653124	0.86	cps
Selenium	82-1	290	285	233	269	11.83	cps
Selenium	77-2	90	70	63	74	18.64	cps
Selenium	78-2	583	523	540	549	5.64	cps
Silicon	28-1	5826911	5770876	5784715	5794167	0.50	cps
Silver	107-1	3140	2794	2784	2906	6.99	cps
Silver	109-1	2854	2617	2447	2639	7.74	cps
Sodium	23-2	4819812	4720630	4759971	4766804	1.05	cps
Strontium	86-1	137068	137041	139315	137808	0.95	cps
Strontium	88-1	1186908	1198249	1196801	1193986	0.52	cps
Sulfur	34-1	224667	221580	219889	222045	1.09	cps
Terbium	159-1	17191770	17167398	17146724	17168631	0.13	cps
Terbium	159-2	12046178	11948519	11870894	11955197	0.73	cps
Thallium	203-1	2287	2430	2334	2350	3.11	cps
Thallium	205-1	5561	5461	5324	5449	2.18	cps
Tin	118-1	69979	71295	70569	70614	0.93	cps
Titanium	47-1	498745	500914	502129	500596	0.34	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-12	Instrumnet Name :	P7
Client Sample ID :	MJNKB5	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:42:34	DataFile Name :	109SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	15920	16073	15613	15868	1.48	cps
Vanadium	51-2	161365	161833	162409	161869	0.32	cps
Yttrium	89-1	21239093	21024640	21164153	21142629	0.51	cps
Yttrium	89-2	5868378	5880148	5815038	5854521	0.59	cps
Zinc	66-2	200719	200720	200672	200704	0.01	cps
Zirconium	90-1	69440	70070	70254	69921	0.61	cps
Zirconium	91-1	15375	15702	15775	15617	1.37	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-13	Instrumnet Name :	P7
Client Sample ID :	MJNKB9	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:45:43	DataFile Name :	110SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1735846	1741548	1721002	1732799	0.61	cps
Antimony	121-1	33185	33743	33432	33453	0.84	cps
Arsenic	75-2	7719	8059	8022	7933	2.35	cps
Barium	135-1	37534	38335	37630	37833	1.16	cps
Barium	137-1	65403	65212	64495	65037	0.74	cps
Beryllium	9-1	270	323	353	316	13.37	cps
Bismuth	209-1	10183520	9615248	10293678	10030815	3.63	cps
Bismuth	209-2	8571068	8531172	8447903	8516714	0.74	cps
Bromine	81-1	30658	31607	31631	31299	1.77	cps
Bromine	81-2	3370	3460	3337	3389	1.88	cps
Cadmium	108-1	63	110	77	83	28.85	cps
Cadmium	106-1	4978	4821	5254	5018	4.37	cps
Cadmium	111-1	1204	1157	1261	1208	4.31	cps
Calcium	43-1	141458	140015	140025	140499	0.59	cps
Calcium	44-1	2216811	2234993	2181704	2211170	1.23	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	81582	82735	83044	82454	0.93	cps
Cobalt	59-2	54258	54117	53960	54112	0.28	cps
Copper	63-2	173587	169801	170074	171154	1.23	cps
Dysprosium	156-1	32698	33019	33139	32952	0.69	cps
Dysprosium	156-2	28375	28402	27965	28247	0.87	cps
Erbium	164-1	25380	26291	25660	25777	1.81	cps
Erbium	164-2	18355	18713	19020	18696	1.78	cps
Gadolinium	160-1	32287	32157	31786	32077	0.81	cps
Gadolinium	160-2	24481	24729	24622	24611	0.50	cps
Holmium	165-1	16863491	15733933	16870774	16489399	3.97	cps
Holmium	165-2	11940815	12075400	11941883	11986033	0.65	cps
Indium	115-1	13554582	12913936	13848497	13439005	3.56	cps
Indium	115-2	5120023	5034260	5033716	5062666	0.98	cps
Iron	56-2	72805429	72176311	71867169	72282969	0.66	cps
Iron	57-2	1794293	1779353	1797693	1790446	0.54	cps
Iron	54-2	3944244	3973483	3901176	3939634	0.92	cps
Krypton	83-1	260	230	240	243	6.28	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-13	Instrumnet Name :	P7
Client Sample ID :	MJNKB9	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:45:43	DataFile Name :	110SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	140090	142239	139612	140647	0.99	cps
Lead	207-1	119063	120142	119177	119461	0.50	cps
Lead	208-1	550295	557217	548876	552130	0.81	cps
Lithium	6-1	1987843	1942073	2033785	1987901	2.31	cps
Magnesium	24-2	1938794	1901759	1921330	1920628	0.96	cps
Manganese	55-2	1662665	1682544	1634336	1659849	1.46	cps
Molybdenum	94-1	25930	27079	25663	26224	2.87	cps
Molybdenum	95-1	5248	5094	5091	5144	1.74	cps
Molybdenum	96-1	10544	10214	10571	10443	1.90	cps
Molybdenum	97-1	3280	3384	3320	3328	1.57	cps
Molybdenum	98-1	8352	8589	8716	8553	2.16	cps
Neodymium	150-1	58233	57015	57962	57736	1.11	cps
Neodymium	150-2	34913	35254	35257	35141	0.56	cps
Nickel	60-2	28454	29045	28394	28631	1.26	cps
Phosphorus	31-2	16549	16255	16315	16373	0.95	cps
Potassium	39-2	719326	712272	712547	714715	0.56	cps
Rhodium	103-1	12682824	11949689	12732038	12454850	3.52	cps
Rhodium	103-2	7497294	7565632	7511909	7524945	0.48	cps
Scandium	45-1	7361106	6883256	7349824	7198062	3.79	cps
Scandium	45-2	633423	626979	629210	629870	0.52	cps
Selenium	82-1	193	258	261	237	16.16	cps
Selenium	77-2	77	77	123	92	29.22	cps
Selenium	78-2	607	550	530	562	7.07	cps
Silicon	28-1	4738659	5048428	5282472	5023186	5.43	cps
Silver	107-1	1213	1387	1307	1302	6.66	cps
Silver	109-1	1227	1297	1200	1241	4.02	cps
Sodium	23-2	5777589	5701093	5768981	5749221	0.73	cps
Strontium	86-1	146961	144013	144359	145111	1.11	cps
Strontium	88-1	1250744	1255421	1250540	1252235	0.22	cps
Sulfur	34-1	224251	224424	226469	225048	0.55	cps
Terbium	159-1	17360820	16441028	17475434	17092427	3.32	cps
Terbium	159-2	11792763	11814056	11822713	11809844	0.13	cps
Thallium	203-1	933	1043	953	977	6.00	cps
Thallium	205-1	2390	2557	2400	2449	3.82	cps
Tin	118-1	13473	13687	13556	13572	0.79	cps
Titanium	47-1	852324	849696	848278	850099	0.24	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-13	Instrumnet Name :	P7
Client Sample ID :	MJNKB9	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:45:43	DataFile Name :	110SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	13290	13337	13460	13362	0.66	cps
Vanadium	51-2	204850	205410	202935	204398	0.63	cps
Yttrium	89-1	21012120	19978590	21404347	20798352	3.54	cps
Yttrium	89-2	5724757	5701461	5704347	5710188	0.22	cps
Zinc	66-2	48913	48542	49074	48843	0.56	cps
Zirconium	90-1	62629	63302	65834	63922	2.64	cps
Zirconium	91-1	13743	14097	14087	13976	1.44	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-14	Instrumnet Name :	P7
Client Sample ID :	MJNKC1	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:49:29	DataFile Name :	111SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1630304	1620651	1599761	1616905	0.97	cps
Antimony	121-1	60393	61846	59747	60662	1.77	cps
Arsenic	75-2	15508	15582	15962	15684	1.55	cps
Barium	135-1	38556	39027	39157	38913	0.81	cps
Barium	137-1	68145	68404	66900	67816	1.19	cps
Beryllium	9-1	307	327	300	311	4.46	cps
Bismuth	209-1	10028824	10035192	10045307	10036441	0.08	cps
Bismuth	209-2	8483970	8406404	8458038	8449471	0.47	cps
Bromine	81-1	30177	30532	30638	30449	0.79	cps
Bromine	81-2	3220	3440	3460	3374	3.95	cps
Cadmium	108-1	60	87	67	71	19.52	cps
Cadmium	106-1	4954	4941	4624	4840	3.86	cps
Cadmium	111-1	1365	1302	1249	1305	4.44	cps
Calcium	43-1	105809	104839	105117	105255	0.47	cps
Calcium	44-1	1653098	1656326	1671565	1660329	0.59	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	84639	84304	84391	84445	0.21	cps
Cobalt	59-2	55198	54147	54177	54507	1.10	cps
Copper	63-2	292527	292121	293406	292685	0.22	cps
Dysprosium	156-1	22241	22495	22919	22552	1.52	cps
Dysprosium	156-2	18996	18693	18672	18787	0.97	cps
Erbium	164-1	18232	18496	18506	18411	0.84	cps
Erbium	164-2	13483	13113	13407	13334	1.47	cps
Gadolinium	160-1	21954	22224	21804	21994	0.97	cps
Gadolinium	160-2	17368	17244	17424	17345	0.53	cps
Holmium	165-1	16624632	16809410	16650501	16694848	0.60	cps
Holmium	165-2	11894740	11746049	11898343	11846377	0.73	cps
Indium	115-1	13509430	13413520	13515474	13479475	0.42	cps
Indium	115-2	5029221	4932645	4996657	4986174	0.99	cps
Iron	56-2	63177292	62895066	63584557	63218972	0.55	cps
Iron	57-2	1592202	1571707	1590710	1584873	0.72	cps
Iron	54-2	3455892	3466784	3459086	3460587	0.16	cps
Krypton	83-1	250	267	233	250	6.67	cps

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-14	Instrumnet Name :	P7
Client Sample ID :	MJNKC1	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:49:29	DataFile Name :	111SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	235979	235950	240408	237446	1.08	cps
Lead	207-1	201337	206254	204070	203887	1.21	cps
Lead	208-1	928028	934573	940350	934317	0.66	cps
Lithium	6-1	2004922	2010857	1985968	2000582	0.65	cps
Magnesium	24-2	1936673	1896658	1907654	1913661	1.08	cps
Manganese	55-2	646096	638939	643471	642835	0.56	cps
Molybdenum	94-1	19727	20121	19911	19920	0.99	cps
Molybdenum	95-1	3210	3194	3057	3154	2.67	cps
Molybdenum	96-1	7078	7212	6652	6981	4.19	cps
Molybdenum	97-1	1843	1900	1900	1881	1.74	cps
Molybdenum	98-1	5194	5044	4861	5033	3.32	cps
Neodymium	150-1	37249	37156	38041	37482	1.30	cps
Neodymium	150-2	22765	22889	23129	22928	0.81	cps
Nickel	60-2	36969	36361	35405	36245	2.17	cps
Phosphorus	31-2	11268	11521	11434	11408	1.13	cps
Potassium	39-2	813706	812504	812692	812968	0.08	cps
Rhodium	103-1	12700808	12389805	12436615	12509076	1.34	cps
Rhodium	103-2	7573404	7440220	7426184	7479936	1.09	cps
Scandium	45-1	7212011	7150910	7056161	7139694	1.10	cps
Scandium	45-2	624672	621976	621000	622549	0.31	cps
Selenium	82-1	192	230	230	217	10.02	cps
Selenium	77-2	77	100	40	72	41.88	cps
Selenium	78-2	470	500	527	499	5.68	cps
Silicon	28-1	5521075	5235823	4920628	5225842	5.75	cps
Silver	107-1	2757	2800	2740	2766	1.12	cps
Silver	109-1	2564	2550	2674	2596	2.61	cps
Sodium	23-2	4399458	4380875	4351339	4377224	0.55	cps
Strontium	86-1	111025	112069	113352	112149	1.04	cps
Strontium	88-1	968709	977561	973050	973107	0.45	cps
Sulfur	34-1	218276	218361	216596	217744	0.46	cps
Terbium	159-1	17259330	17142124	16803049	17068167	1.39	cps
Terbium	159-2	11799861	11864867	11722913	11795881	0.60	cps
Thallium	203-1	1720	1593	1710	1675	4.21	cps
Thallium	205-1	3771	3821	3831	3807	0.84	cps
Tin	118-1	29841	30486	30162	30163	1.07	cps
Titanium	47-1	501078	511647	512094	508273	1.23	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-14	Instrumnet Name :	P7
Client Sample ID :	MJNKC1	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:49:29	DataFile Name :	111SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	12596	12873	12900	12790	1.31	cps
Vanadium	51-2	126901	127466	127123	127163	0.22	cps
Yttrium	89-1	20670545	20617677	20570287	20619503	0.24	cps
Yttrium	89-2	5677726	5564704	5685094	5642508	1.20	cps
Zinc	66-2	63836	63036	65034	63968	1.57	cps
Zirconium	90-1	51502	48677	48809	49663	3.21	cps
Zirconium	91-1	10964	11551	10737	11084	3.79	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-15	Instrumnet Name :	P7
Client Sample ID :	MJNKC2	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:52:40	DataFile Name :	112SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2020911	2003031	2018160	2014034	0.48	cps
Antimony	121-1	4767	4641	4534	4647	2.51	cps
Arsenic	75-2	4234	4444	4341	4340	2.42	cps
Barium	135-1	42988	43372	42784	43048	0.69	cps
Barium	137-1	74162	74815	74934	74637	0.56	cps
Beryllium	9-1	400	383	377	387	3.11	cps
Bismuth	209-1	10024058	10073549	9987907	10028505	0.43	cps
Bismuth	209-2	8594544	8503929	8567738	8555404	0.54	cps
Bromine	81-1	28144	29576	29867	29196	3.16	cps
Bromine	81-2	3070	3150	3184	3135	1.86	cps
Cadmium	108-1	100	97	117	104	10.26	cps
Cadmium	106-1	5048	5111	4908	5022	2.07	cps
Cadmium	111-1	1324	1352	1274	1317	3.03	cps
Calcium	43-1	153659	154497	152774	153643	0.56	cps
Calcium	44-1	2390902	2445232	2457564	2431233	1.46	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	75173	74305	74928	74802	0.60	cps
Cobalt	59-2	52903	51458	52558	52306	1.44	cps
Copper	63-2	134514	132419	133028	133320	0.81	cps
Dysprosium	156-1	36738	37904	37340	37327	1.56	cps
Dysprosium	156-2	32280	31853	32451	32195	0.96	cps
Erbium	164-1	29698	29671	29782	29717	0.19	cps
Erbium	164-2	20719	21286	21577	21194	2.06	cps
Gadolinium	160-1	35933	36273	36715	36307	1.08	cps
Gadolinium	160-2	27918	28552	27383	27951	2.09	cps
Holmium	165-1	16903124	16802509	16384400	16696678	1.65	cps
Holmium	165-2	11922076	11892948	11909381	11908135	0.12	cps
Indium	115-1	13518005	13377211	13304995	13400070	0.81	cps
Indium	115-2	4939821	4929576	4995390	4954929	0.71	cps
Iron	56-2	78275836	77273499	77455812	77668382	0.69	cps
Iron	57-2	1964316	1943955	1921519	1943263	1.10	cps
Iron	54-2	4295619	4227769	4267033	4263474	0.80	cps
Krypton	83-1	237	270	193	233	16.48	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-15	Instrumnet Name :	P7
Client Sample ID :	MJNKC2	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:52:40	DataFile Name :	112SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	55088	56289	55637	55671	1.08	cps
Lead	207-1	46044	46402	47078	46508	1.13	cps
Lead	208-1	215824	215959	213297	215027	0.70	cps
Lithium	6-1	2012753	2002554	1971290	1995532	1.08	cps
Magnesium	24-2	2083017	2060283	2065280	2069527	0.58	cps
Manganese	55-2	732589	727769	726720	729026	0.43	cps
Molybdenum	94-1	46998	47982	47347	47442	1.05	cps
Molybdenum	95-1	6798	6888	7158	6948	2.70	cps
Molybdenum	96-1	16166	15855	15612	15878	1.75	cps
Molybdenum	97-1	4344	4484	4397	4408	1.60	cps
Molybdenum	98-1	11128	11521	11608	11419	2.24	cps
Neodymium	150-1	66486	66529	65943	66319	0.49	cps
Neodymium	150-2	41401	40729	40267	40799	1.40	cps
Nickel	60-2	27455	27863	27515	27611	0.80	cps
Phosphorus	31-2	18468	18091	18455	18338	1.17	cps
Potassium	39-2	741420	729347	726999	732589	1.06	cps
Rhodium	103-1	12434316	12260340	12218075	12304244	0.93	cps
Rhodium	103-2	7407429	7401569	7410657	7406551	0.06	cps
Scandium	45-1	7146972	7095456	7051704	7098044	0.67	cps
Scandium	45-2	623208	620784	615968	619987	0.59	cps
Selenium	82-1	247	215	239	234	7.11	cps
Selenium	77-2	130	107	107	114	11.77	cps
Selenium	78-2	557	523	447	509	11.08	cps
Silicon	28-1	4699703	4383868	4367950	4483840	4.17	cps
Silver	107-1	707	827	860	798	10.11	cps
Silver	109-1	753	727	693	724	4.15	cps
Sodium	23-2	4649311	4600667	4588518	4612832	0.70	cps
Strontium	86-1	166952	165693	164848	165831	0.64	cps
Strontium	88-1	1420286	1464194	1470547	1451676	1.89	cps
Sulfur	34-1	301223	301005	303198	301809	0.40	cps
Terbium	159-1	17062359	16988134	16910246	16986913	0.45	cps
Terbium	159-2	11920221	11719965	11610664	11750283	1.34	cps
Thallium	203-1	1203	1223	1143	1190	3.50	cps
Thallium	205-1	2624	2797	2877	2766	4.68	cps
Tin	118-1	7749	7779	7916	7814	1.14	cps
Titanium	47-1	735447	732069	730932	732816	0.32	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	P5364-15	Instrumnet Name :	P7
Client Sample ID :	MJNKC2	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:52:40	DataFile Name :	112SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	24960	24893	24763	24872	0.40	cps
Vanadium	51-2	203181	204161	201405	202916	0.69	cps
Yttrium	89-1	20810236	20764884	20514730	20696617	0.77	cps
Yttrium	89-2	5630303	5597781	5584918	5604334	0.42	cps
Zinc	66-2	37474	37216	37824	37505	0.81	cps
Zirconium	90-1	117307	118554	126973	120945	4.35	cps
Zirconium	91-1	27970	26193	26658	26940	3.42	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	CCV015	Instrumnet Name :	P7
Client Sample ID :	CCV015	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:55:52	DataFile Name :	113CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	12915651	12836667	12899351	12883890	0.32	cps
Antimony	121-1	6019240	5906720	5933826	5953262	0.99	cps
Arsenic	75-2	282855	281293	280904	281684	0.37	cps
Barium	135-1	7741669	7730172	7612970	7694937	0.93	cps
Barium	137-1	13198159	13193847	13206395	13199467	0.05	cps
Beryllium	9-1	675196	668054	662990	668746	0.92	cps
Bismuth	209-1	8862540	8971491	8897796	8910609	0.62	cps
Bismuth	209-2	7556129	7492299	7459791	7502740	0.65	cps
Bromine	81-1	14390	13753	13249	13798	4.14	cps
Bromine	81-2	297	313	303	304	2.76	cps
Cadmium	108-1	106484	107347	104966	106265	1.13	cps
Cadmium	106-1	153794	154626	154408	154276	0.28	cps
Cadmium	111-1	1442310	1448307	1440685	1443767	0.28	cps
Calcium	43-1	7313812	7127037	7236465	7225771	1.30	cps
Calcium	44-1	117762988	115177292	115246272	116062184	1.27	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2182066	2175664	2176042	2177924	0.16	cps
Cobalt	59-2	3352400	3365992	3329921	3349438	0.54	cps
Copper	63-2	23500707	23427125	23420888	23449574	0.19	cps
Dysprosium	156-1	373	297	303	324	13.09	cps
Dysprosium	156-2	423	507	503	478	9.88	cps
Erbium	164-1	360	323	303	329	8.74	cps
Erbium	164-2	257	260	257	258	0.75	cps
Gadolinium	160-1	307	283	233	274	13.65	cps
Gadolinium	160-2	733	833	747	771	7.04	cps
Holmium	165-1	15563624	15472731	15357362	15464573	0.67	cps
Holmium	165-2	11102767	11128198	11025772	11085579	0.48	cps
Indium	115-1	11761490	11606138	11460883	11609504	1.29	cps
Indium	115-2	4339463	4263720	4203142	4268775	1.60	cps
Iron	56-2	510697806	510135926	506559886	509131206	0.44	cps
Iron	57-2	12769864	12720166	12723463	12737831	0.22	cps
Iron	54-2	27558851	27810411	27701670	27690311	0.46	cps
Krypton	83-1	200	240	217	219	9.18	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	CCV015	Instrumnet Name :	P7
Client Sample ID :	CCV015	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:55:52	DataFile Name :	113CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	23439233	23893861	23631495	23654863	0.96	cps
Lead	207-1	20458493	20878275	20651352	20662707	1.02	cps
Lead	208-1	93347879	95298124	93969481	94205161	1.06	cps
Lithium	6-1	1838940	1803927	1830723	1824530	1.00	cps
Magnesium	24-2	97115649	97173475	97032385	97107170	0.07	cps
Manganese	55-2	17718518	17736379	17666871	17707256	0.20	cps
Molybdenum	94-1	20215706	20130805	19777521	20041344	1.16	cps
Molybdenum	95-1	29252103	29157660	28809112	29072958	0.80	cps
Molybdenum	96-1	32182060	32146170	31657207	31995145	0.92	cps
Molybdenum	97-1	18350634	18293619	17976342	18206865	1.11	cps
Molybdenum	98-1	47586354	47076271	46469889	47044172	1.19	cps
Neodymium	150-1	507	537	483	509	5.25	cps
Neodymium	150-2	187	150	167	168	10.94	cps
Nickel	60-2	798064	800718	798627	799136	0.18	cps
Phosphorus	31-2	113053	111838	112916	112602	0.59	cps
Potassium	39-2	62986999	62912186	63299541	63066242	0.33	cps
Rhodium	103-1	10422695	10303336	10068707	10264913	1.75	cps
Rhodium	103-2	6128486	6092028	6073710	6098075	0.46	cps
Scandium	45-1	6292538	6168234	6093567	6184780	1.63	cps
Scandium	45-2	527365	528257	524212	526612	0.40	cps
Selenium	82-1	85432	84592	84155	84727	0.77	cps
Selenium	77-2	9006	8756	8893	8885	1.41	cps
Selenium	78-2	29483	30037	30011	29843	1.05	cps
Silicon	28-1	7421831	7284871	7261114	7322605	1.18	cps
Silver	107-1	7119402	7243162	7091764	7151443	1.13	cps
Silver	109-1	6938981	6822225	6774583	6845263	1.24	cps
Sodium	23-2	159263624	158657048	159660184	159193619	0.32	cps
Strontium	86-1	1859525	1839201	1835883	1844870	0.69	cps
Strontium	88-1	16304193	16121060	16037688	16154314	0.84	cps
Sulfur	34-1	557496	544948	539412	547285	1.69	cps
Terbium	159-1	15924154	15835658	16068868	15942893	0.74	cps
Terbium	159-2	10959383	10809637	10680245	10816422	1.29	cps
Thallium	203-1	5838477	5942468	5932639	5904528	0.97	cps
Thallium	205-1	13903579	14110699	14236387	14083555	1.19	cps
Tin	118-1	4917929	4909438	4864683	4897350	0.58	cps
Titanium	47-1	6843866	6772332	6683343	6766514	1.19	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	CCV015	Instrumnet Name :	P7
Client Sample ID :	CCV015	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 20:55:52	DataFile Name :	113CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	18256803	18675569	18436324	18456232	1.14	cps
Vanadium	51-2	1936731	1902562	1948320	1929204	1.23	cps
Yttrium	89-1	18278421	17946562	17671645	17965543	1.69	cps
Yttrium	89-2	4867044	4901685	4749343	4839357	1.65	cps
Zinc	66-2	4050940	4024704	4040841	4038828	0.33	cps
Zirconium	90-1	10088168	9993173	9864380	9981907	1.13	cps
Zirconium	91-1	2214391	2232808	2197324	2214841	0.80	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	CCB015	Instrumnet Name :	P7
Client Sample ID :	CCB015	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 21:06:06	DataFile Name :	116CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	60	67	87	71	19.52	cps
Antimony	121-1	630	520	373	508	25.37	cps
Arsenic	75-2	37	13	7	19	83.40	cps
Barium	135-1	137	40	77	84	57.79	cps
Barium	137-1	163	70	60	98	58.29	cps
Beryllium	9-1	80	117	63	87	31.49	cps
Bismuth	209-1	9993235	9859373	9961518	9938042	0.70	cps
Bismuth	209-2	8370753	8324675	8483471	8392966	0.97	cps
Bromine	81-1	15091	15211	14848	15050	1.23	cps
Bromine	81-2	337	387	337	353	8.17	cps
Cadmium	108-1	17	7	7	10	57.72	cps
Cadmium	106-1	4747	4267	4174	4396	7.00	cps
Cadmium	111-1	998	866	854	906	8.85	cps
Calcium	43-1	203	197	207	202	2.52	cps
Calcium	44-1	6418	5504	5711	5878	8.15	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2114	2077	2134	2108	1.36	cps
Cobalt	59-2	100	67	123	97	29.46	cps
Copper	63-2	1277	1300	1317	1298	1.55	cps
Dysprosium	156-1	13	7	17	12	41.65	cps
Dysprosium	156-2	7	7	3	6	34.70	cps
Erbium	164-1	93	80	93	89	8.66	cps
Erbium	164-2	57	47	30	44	30.31	cps
Gadolinium	160-1	33	33	57	41	32.78	cps
Gadolinium	160-2	617	533	610	587	7.89	cps
Holmium	165-1	15879841	16144702	15987375	16003973	0.83	cps
Holmium	165-2	11423445	11490299	11452726	11455490	0.29	cps
Indium	115-1	12822391	12875727	12692472	12796864	0.74	cps
Indium	115-2	4789447	4746983	4791710	4776047	0.53	cps
Iron	56-2	20868	20684	23014	21522	6.02	cps
Iron	57-2	1107	1080	957	1048	7.64	cps
Iron	54-2	2407	2517	2524	2482	2.64	cps
Krypton	83-1	193	177	230	200	13.64	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	CCB015	Instrumnet Name :	P7
Client Sample ID :	CCB015	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 21:06:06	DataFile Name :	116CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1970	1607	1497	1691	14.65	cps
Lead	207-1	1800	1343	1427	1523	15.97	cps
Lead	208-1	7571	6174	6157	6634	12.23	cps
Lithium	6-1	1927299	1949851	1922542	1933231	0.75	cps
Magnesium	24-2	760	780	723	754	3.81	cps
Manganese	55-2	430	507	520	486	10.00	cps
Molybdenum	94-1	1354	370	437	720	76.36	cps
Molybdenum	95-1	1264	267	287	606	94.12	cps
Molybdenum	96-1	1141	380	503	675	60.51	cps
Molybdenum	97-1	610	243	183	346	66.86	cps
Molybdenum	98-1	1635	473	480	863	77.50	cps
Neodymium	150-1	7	7	7	7	0.00	cps
Neodymium	150-2	0	10	3	4	114.60	cps
Nickel	60-2	613	507	543	554	9.77	cps
Phosphorus	31-2	110	87	127	108	18.64	cps
Potassium	39-2	52534	52557	52199	52430	0.38	cps
Rhodium	103-1	11708076	11781134	11732833	11740681	0.32	cps
Rhodium	103-2	7042843	6973260	7103268	7039791	0.92	cps
Scandium	45-1	6613066	6550256	6565041	6576121	0.50	cps
Scandium	45-2	575615	574513	576769	575632	0.20	cps
Selenium	82-1	215	146	68	143	51.77	cps
Selenium	77-2	3	0	0	1	173.21	cps
Selenium	78-2	433	370	447	417	9.83	cps
Silicon	28-1	528236	532764	531581	530860	0.44	cps
Silver	107-1	300	153	143	199	44.10	cps
Silver	109-1	167	170	123	153	16.98	cps
Sodium	23-2	32197	31285	30777	31420	2.29	cps
Strontium	86-1	817	310	357	495	56.65	cps
Strontium	88-1	4004	307	247	1519	141.67	cps
Sulfur	34-1	170897	173429	173044	172457	0.79	cps
Terbium	159-1	16363742	16211141	16602624	16392502	1.20	cps
Terbium	159-2	11249357	11201213	11262332	11237634	0.29	cps
Thallium	203-1	340	330	333	334	1.52	cps
Thallium	205-1	817	840	830	829	1.41	cps
Tin	118-1	1320	1233	1197	1250	5.07	cps
Titanium	47-1	107	87	87	93	12.37	cps

Reviewed By:Mohan
On:12/30/2024 3:28:46 AM
Inst Id :P7

LB Number :	LB134112	Operator :	Jaswal
Lab Sample ID :	CCB015	Instrumnet Name :	P7
Client Sample ID :	CCB015	Dilution Factor :	1
Date & Time Acquired :	2024-12-27 21:06:06	DataFile Name :	116CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	30	20	13	21	39.75	cps
Vanadium	51-2	37	23	30	30	22.23	cps
Yttrium	89-1	19092625	18996541	19112839	19067335	0.33	cps
Yttrium	89-2	5197420	5199148	5258878	5218482	0.67	cps
Zinc	66-2	263	217	213	231	12.10	cps
Zirconium	90-1	1284	737	703	908	35.89	cps
Zirconium	91-1	243	200	157	200	21.67	cps

703

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Prep Standard - Chemical Standard Summary

Order ID : P5354

Test : Metals CLP MS

Prepbatch ID : PB165859,

Sequence ID/Qc Batch ID: LB134112,

Standard ID :
MP83498,MP83499,MP83619,MP83620,MP83621,MP83622,MP83623,MP83625,MP83626,MP83627,MP83628,MP836
29,MP83630,MP83631,MP83632,MP83633,MP83634,MP83635,MP83636,MP83669,MP83670,MP83671,

Chemical ID :
M5192,M5288,M5289,M5295,M5304,M5390,M5476,M5497,M5498,M5513,M5515,M5516,M5519,M5658,M5697,M5698
,M5739,M5751,M5768,M5769,M5798,M5799,M5800,M5801,M5802,M5806,M5815,M5816,M5817,M5818,M5819,M582
0,M5873,M5874,M5961,M5962,M5976,M5978,M5981,M5982,M5983,M5993,M5999,M6021,M6023,M6025,M6028,M60
30,M6033,M6055,M6121,M6126,W3112,

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
169	1:1HNO3	MP83498	12/09/2024	01/03/2025	Janvi Patel	None	None	Sarabjit Jaswal 12/09/2024

FROM 1250.00000ml of M6126 + 1250.00000ml of W3112 = Final Quantity: 2500.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
170	1:1HCL	MP83499	12/09/2024	01/17/2025	Eman Mughal	None	None	Sarabjit Jaswal 12/09/2024

FROM 1250.00000ml of M6121 + 1250.00000ml of W3112 = Final Quantity: 2500.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1122	ICPMS CALIB BLANK(S0/ICB/CCB)	MP83619	12/13/2024	01/07/2025	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 12/17/2024

FROM 25.00000ml of M6121 + 4925.00000ml of W3112 + 50.00000ml of M6126 = Final Quantity: 5000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3947	S7(SFAM,6020,200.8)	MP83620	12/13/2024	01/07/2025	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 12/17/2024

FROM 0.10000ml of M5476 + 1.00000ml of M5799 + 1.00000ml of M5818 + 1.00000ml of M5981 + 1.00000ml of M5983 + 1.90000ml of M6033 + 10.00000ml of M6126 + 2.00000ml of M5815 + 2.00000ml of M5817 + 4.00000ml of M5390 + 4.00000ml of M6025 + 4.90000ml of M5515 + 4.90000ml of M5519 + 5.00000ml of M6121 + 50.00000ml of M5304 + 832.50000ml of W3112 + 9.00000ml of M5698 + 9.00000ml of M5751 + 9.00000ml of M5819 + 9.00000ml of M5976 + 9.00000ml of M5978 + 9.90000ml of M5498 + 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)	MP83621	12/13/2024	01/07/2025	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 12/17/2024

FROM 0.50000ml of M6121 + 1.00000ml of M6126 + 48.50000ml of W3112 + 50.00000ml of MP83620 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3949	S5(SFAM,6020,200.8)	MP83622	12/13/2024	01/07/2025	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 12/17/2024

FROM 0.50000ml of M6121 + 1.00000ml of M6126 + 73.50000ml of W3112 + 25.00000ml of MP83620 = 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
3954	S4(SFAM,6020,200.8)	MP83623	12/13/2024	01/07/2025	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 12/17/2024

FROM 0.50000ml of M6121 + 1.00000ml of M6126 + 86.00000ml of W3112 + 12.50000ml of MP83620 = 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)	MP83625	12/13/2024	01/07/2025	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 12/17/2024

FROM 0.50000ml of M6121 + 1.00000ml of M6126 + 88.50000ml of W3112 + 10.00000ml of MP83621 = 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)	MP83626	12/13/2024	01/07/2025	Sarabjit Jaswal	None	None	Mohan Bera 12/17/2024

FROM 0.05000ml of M5476 + 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 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 M6121 + 226.25000ml of W3112 + 5.00000ml of M6126 = 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)	MP83627	12/13/2024	01/07/2025	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 12/17/2024

FROM 0.50000ml of M6121 + 1.00000ml of M6126 + 98.00000ml of W3112 + 0.50000ml of MP83626 = 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)	MP83628	12/13/2024	01/07/2025	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 12/17/2024

FROM 0.50000ml of M6121 + 1.00000ml of M6126 + 88.50000ml of W3112 + 10.00000ml of MP83627 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3958	ICV(SFAM)	MP83629	12/13/2024	01/07/2025	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 12/17/2024

FROM 2.00000ml of M5295 + 98.00000ml of MP83619 = 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
1142	ICSA ICPMS	MP83630	12/13/2024	01/07/2025	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 12/17/2024

FROM 10.00000ml of M5873 + 90.00000ml of MP83619 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1143	ICSAB ICPMS	MP83631	12/13/2024	01/07/2025	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 12/17/2024

FROM 10.00000ml of M5873 + 10.00000ml of M5874 + 80.00000ml of MP83619 = 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	MP83632	12/13/2024	01/07/2025	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 12/17/2024

FROM 0.20000ml of M5513 + 0.50000ml of M5476 + 0.50000ml of M5799 + 0.50000ml of M5818 + 0.50000ml of M5981 + 0.50000ml of M5983 + 1.00000ml of M5815 + 1.00000ml of M5817 + 10.00000ml of M6126 + 12.45000ml of M5515 + 12.45000ml of M5519 + 2.00000ml of M5390 + 24.95000ml of M5498 + 24.95000ml of M5516 + 24.95000ml of M5769 + 25.00000ml of M5304 + 4.50000ml of M5698 + 4.50000ml of M5751 + 4.50000ml of M5819 + 4.50000ml of M5976 + 4.50000ml of M5978 + 4.95000ml of M6033 + 5.00000ml of M6121 + 826.10000ml of W3112 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3962	MG 10PPM FOR TUNE	MP83633	12/13/2024	01/07/2025	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 12/17/2024

FROM 0.01000ml of M5769 + 9.99000ml of MP83619 = 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	MP83634	12/13/2024	01/07/2025	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 12/17/2024

FROM 2.00000ml of M6055 + 2.00000ml of MP83633 + 96.00000ml of MP83619 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3903	ISS 3PPM	MP83635	12/13/2024	01/07/2025	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 12/17/2024

FROM 5.00000ml of M6126 + 75.00000ml of M5739 + 170.00000ml of MP83619 = 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
2902	S8 ICPMS	MP83636	12/13/2024	01/07/2025	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 12/17/2024

FROM 1.00000ml of M6033 + 2.50000ml of M5288 + 2.50000ml of M5515 + 5.00000ml of M5498 + 5.00000ml of M5516 + 5.00000ml of M5769 + 79.00000ml of MP83619 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3964	CONC.LCSS SPIKE	MP83669	12/13/2024	01/07/2025	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 12/17/2024

FROM 0.25000ml of M5476 + 0.25000ml of M5698 + 0.25000ml of M5798 + 0.25000ml of M5800 + 0.25000ml of M5801 + 0.25000ml of M5961 + 0.25000ml of M5981 + 0.25000ml of M5983 + 0.25000ml of M6023 + 0.25000ml of M6025 + 0.25000ml of M6028 + 0.25000ml of M6030 + 0.50000ml of M5289 + 0.50000ml of M5658 + 0.50000ml of M5751 + 0.50000ml of M5802 + 1.25000ml of M5799 + 1.25000ml of M5819 + 1.25000ml of M5962 + 1.25000ml of M5976 + 1.25000ml of M5978 + 1.25000ml of M6021 + 10.00000ml of M6126 + 12.50000ml of M5498 + 12.50000ml of M5519 + 12.50000ml of M5768 + 12.50000ml of M5806 + 150.00000ml of W3112 + 2.50000ml of M5390 + 2.50000ml of M5818 + 5.00000ml of M5515 + 5.00000ml of M6121 + 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
3963	CONC.LCSW SPIKE	MP83670	12/13/2024	01/07/2025	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 12/17/2024

FROM 0.05000ml of M5698 + 0.05000ml of M5798 + 0.05000ml of M5800 + 0.05000ml of M5801 + 0.05000ml of M5961 + 0.05000ml of M5981 + 0.05000ml of M5982 + 0.05000ml of M5983 + 0.05000ml of M6023 + 0.05000ml of M6025 + 0.05000ml of M6028 + 0.05000ml of M6030 + 0.10000ml of M5289 + 0.10000ml of M5658 + 0.10000ml of M5697 + 0.10000ml of M5802 + 0.25000ml of M5192 + 0.25000ml of M5799 + 0.25000ml of M5819 + 0.25000ml of M5962 + 0.25000ml of M5978 + 0.25000ml of M6021 + 0.50000ml of M5390 + 0.50000ml of M5818 + 1.00000ml of M5515 + 1.25000ml of M5816 + 1.25000ml of M5820 + 2.50000ml of M5497 + 2.50000ml of M5519 + 2.50000ml of M5768 + 2.50000ml of M5806 + 2.50000ml of M6121 + 225.50000ml of W3112 + 5.00000ml of M6126 = Final Quantity: 250.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
870	ICPMS SPIKE SOL.B	MP83671	12/13/2024	01/07/2025	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 12/17/2024

FROM 0.45000ml of M5962 + 5.00000ml of M5993 + 5.00000ml of M5999 + 39.55000ml of MP83619 = Final Quantity: 50.000 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57042 / Mo, 1000 PPM, 125 ml	051722	05/17/2025	07/01/2022 / bin	06/17/2022 / jaswal	M5192

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58119 / K, 10000 PPM, 500 ml	071122	07/11/2025	09/01/2022 / jaswal	07/21/2022 / jaswal	M5288

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58113 / Aluminum (Al) 10,000PPM	070622	07/06/2025	09/02/2022 / jaswal	07/12/2022 / jaswal	M5289

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
EPA	ICV-1 / ICV (ICP/ICPMS) STOCK SOLN	ICV-1014	02/05/2025	08/07/2024 / jaswal	04/20/2021 / bin	M5295

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	6020CAL-1 / Calibration Standard Method 6020	S2-MEB711244	10/20/2026	08/07/2024 / jaswal	04/01/2022 / jaswal	M5304

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57056 / Ba, 1000 PPM, 125 ml	072122	07/21/2025	08/07/2024 / jaswal	09/18/2022 / bin	M5390

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57138 / Sr, 10000 PPM, 125 ml	082922	08/29/2025	07/29/2024 / jaswal	03/16/2023 / jaswal	M5476

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58120 / Ca, 10000 PPM, 500 ml	031523	03/15/2026	03/18/2023 / bin	03/17/2023 / bin	M5497

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.	58111 / Na, 10000 PPM, 500 ml	022123	11/06/2025	11/06/2024 / kareem	03/17/2023 / bin	M5516

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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.	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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58029 / Cu, 1000 PPM, 500 ml	102523	10/25/2026	04/03/2024 / jaswal	10/27/2023 / jaswal	M5697

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58025 / Mn, 1000 PPM, 500 ml	102623	10/26/2026	04/18/2024 / jaswal	10/27/2023 / jaswal	M5698

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	6020ISS / 6020ISS, 10 ug/ml, Bi, Ho, In, 6Li, Rh, Sc, TB, Y	T2-MEB709511	09/03/2026	08/07/2024 / jaswal	04/11/2022 / jaswal	M5739

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58029 / Cu, 1000 PPM, 500 ml	071723	07/17/2026	10/01/2024 / Jaswal	08/25/2023 / jaswal	M5751

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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.	58112 / Mg, 10000 PPM, 500 ml	091823	09/18/2026	01/08/2024 / bin	01/03/2024 / bin	M5768

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58112 / Mg, 10000 PPM, 500 ml	091823	09/18/2026	05/24/2024 / Jaswal	01/03/2024 / bin	M5769

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57004 / Be, 1000 PPM, 125 ml	102523	10/25/2026	02/09/2024 / bin	02/09/2024 / bin	M5798

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57050 / Sn, 1000 PPM, 125 ml	071123	07/11/2026	02/09/2024 / bin	02/09/2024 / bin	M5799

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57027 / CO, 1000 PPM, 125 ml	091923	09/19/2026	05/31/2024 / bin	02/09/2024 / bin	M5800

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

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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.	57051 / Sb, 1000 PPM, 125 ml	120523	12/05/2026	08/07/2024 / jaswal	01/03/2024 / jaswal	M5802

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58111 / Na, 10000 PPM, 500 ml	122223	12/22/2026	08/01/2024 / Jaswal	01/03/2024 / jaswal	M5806

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57115 / P, 10000 PPM, 125 ml	041723	04/17/2026	05/21/2024 / Jaswal	02/09/2024 / jaswal	M5815

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57016 / S, 1000 PPM, 125 ml	122923	12/29/2026	05/20/2024 / Jaswal	02/09/2024 / jaswal	M5816

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57116 / S, 10000 PPM, 125 ml	071123	07/11/2026	03/01/2024 / jaswal	02/09/2024 / jaswal	M5817

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

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58030 / Zinc, Zn, 500 ml, 1000 PPM	111623	11/16/2026	03/20/2024 / jaswal	02/09/2024 / jaswal	M5819

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57015 / P, 1000 PPM, 125 ml	091123	09/11/2026	05/01/2024 / jaswal	02/09/2024 / jaswal	M5820

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
EPA	PART A / ICSA (ICPMS) STOCK SOLN	CP-MS ICSA-0803	04/30/2025	04/17/2024 / jaswal	07/14/2022 / jaswal	M5873

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
EPA	PART B / ICSB (ICPMS) STOCK SOLUTION	CP-MS ICSB-0803	04/30/2025	04/17/2024 / jaswal	07/14/2022 / jaswal	M5874

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
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

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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

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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CLPP-SPK-1 / SOIL/WATER SPIKE SOLN 1, 125mL	T2-MEB721963	07/27/2027	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	11/09/2026	08/05/2024 / Jaswal	08/05/2024 / Jaswal	M6025

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57048 / Cd, 1000 PPM, 125 ml	070124	07/01/2027	08/05/2024 / kareem	08/05/2024 / Jaswal	M6028

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57047 / Ag, 1000 PPM, 125 ml	122823	12/28/2026	08/05/2024 / kareem	08/05/2024 / Jaswal	M6030

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58113 / Al, 10000 PPM, 500 ml	011623	01/16/2026	08/07/2024 / Jaswal	01/03/2024 / Jaswal	M6033

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
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)	0000275677	05/13/2025	11/13/2024 / Eman	10/13/2024 / Eman	M6121

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9598-34 / Nitric Acid, Instra-Analyzed (cs/4x2.5L)	24D1062002	06/03/2025	12/03/2024 / Janvi	11/12/2024 / Janvi	M6126

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

INORGANIC VENTURES™

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Certificate of Analysis

R: 02/22/24 M5991, M5992, M5993, M5994, M5995

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Christiansburg, VA 24073 USA
inorganicventures.com

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1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	CLPP-SPK-4
Lot Number:	V2-MEB742036
Matrix:	3% (v/v) HNO3
Value / Analyte(s):	100 µg/mL ea: Antimony,
	50 µg/mL ea: Cadmium, Thallium,
	40 µg/mL ea: Arsenic,
	20 µg/mL ea: Lead,
	10 µg/mL ea: Selenium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Antimony, Sb	100.0 ± 0.7 µg/mL	Arsenic, As	40.00 ± 0.26 µg/mL
Cadmium, Cd	50.00 ± 0.22 µg/mL	Lead, Pb	20.00 ± 0.09 µg/mL
Selenium, Se	10.00 ± 0.04 µg/mL	Thallium, Tl	50.00 ± 0.22 µg/mL

Density: 1.016 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
As	ICP Assay	3103a	100818
Cd	ICP Assay	3108	130116
Cd	EDTA	928	928
Cd	Calculated		See Sec. 4.2
Pb	ICP Assay	3128	101026
Pb	EDTA	928	928
Pb	Calculated		See Sec. 4.2
Sb	ICP Assay	3102a	140911
Se	ICP Assay	3149	100901
Se	Calculated		See Sec. 4.2
Tl	ICP Assay	3158	151215
Tl	Calculated		See Sec. 4.2

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2 (u_{char\ i})^2)]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\ (u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

March 12, 2024

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- March 12, 2029

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Joseph Burns
Custom VS Manager



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

R 8/15/24

M6028

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

729

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		

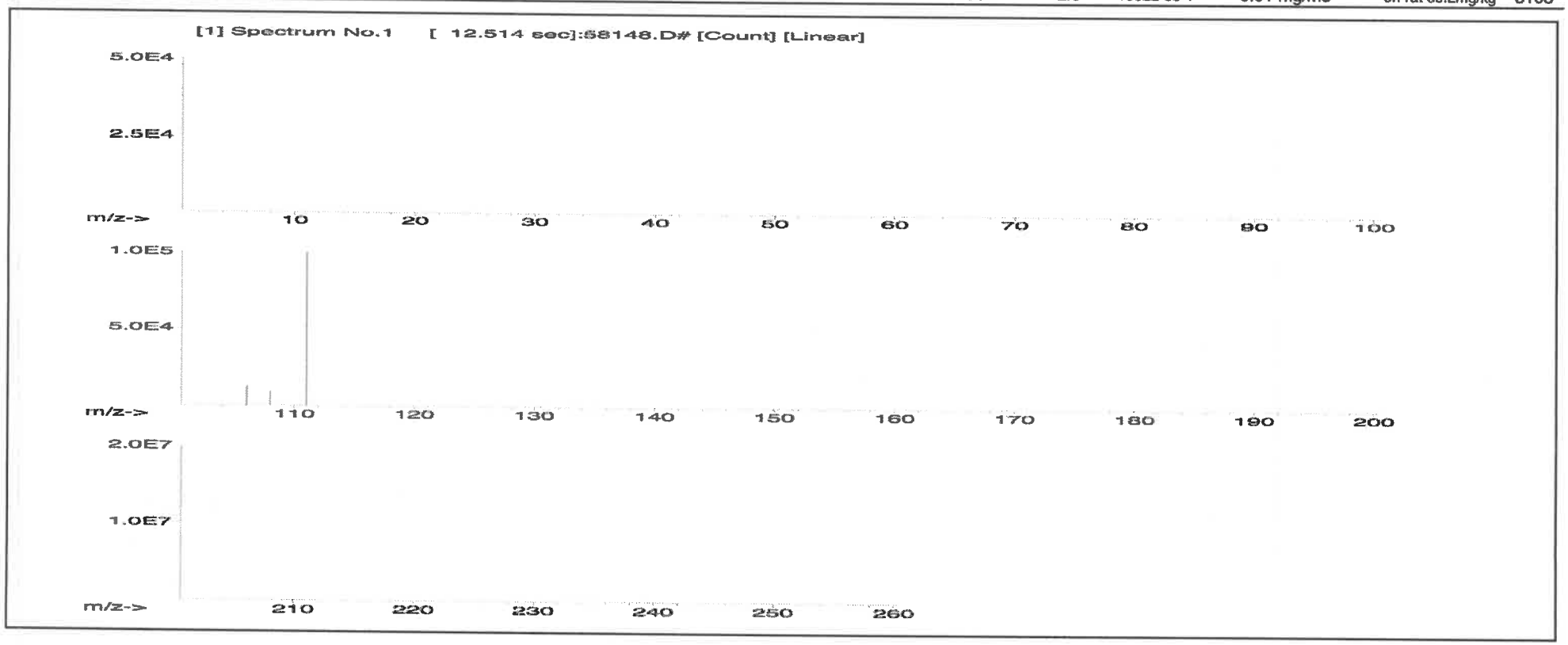
Aleah O'Brady

Formulated By:	Aleah O'Brady	070124

Pedro Rentas

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



730

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	T	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:



* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Absolute Standards, Inc.
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www.absolutestandards.com

Certified Reference Material CRM

R: 8/5/24 M6025

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

731

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

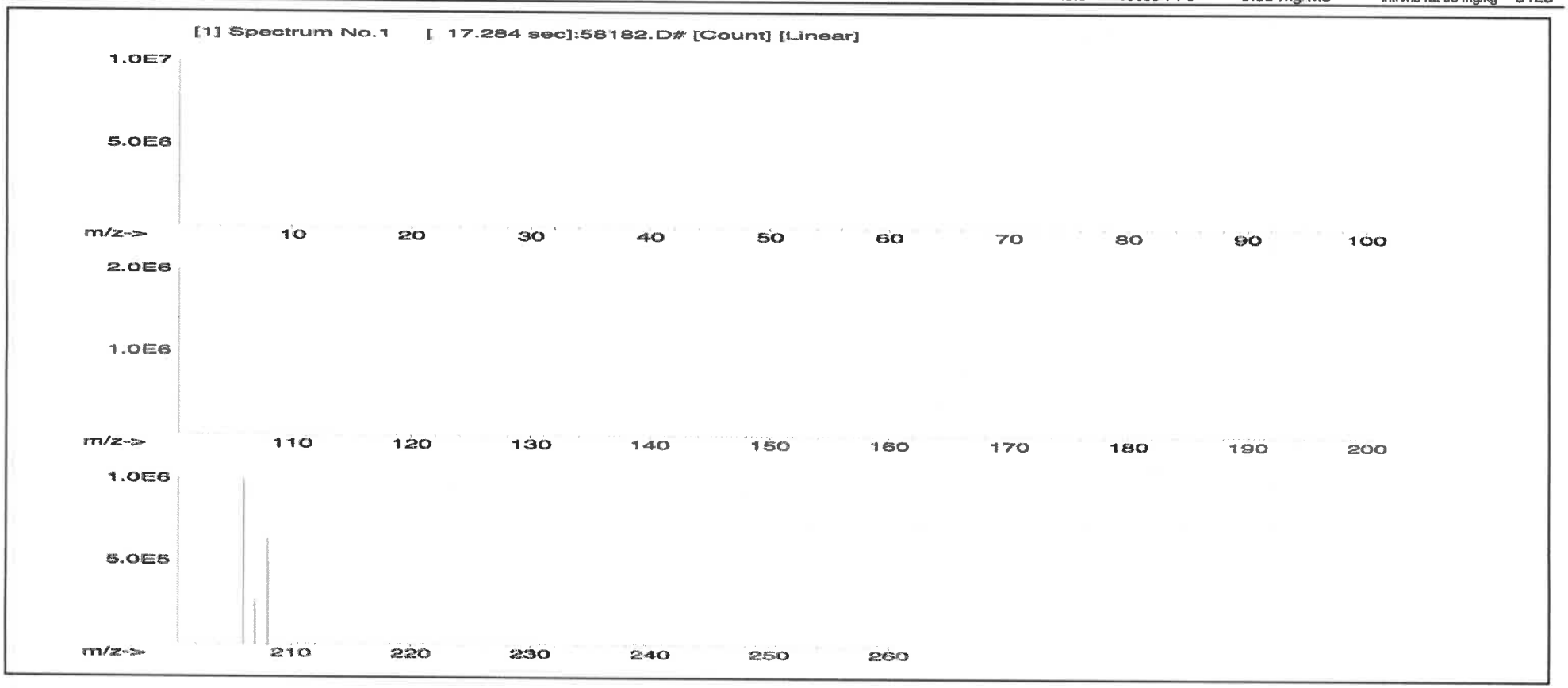
Weight shown below was diluted to (mL): 2000.02 0.058 Flask Uncertainty

	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



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	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	T	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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Certified Reference Material CRM

M5192 R: 06/17/22

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CERTIFIED WEIGHT REPORT:

733

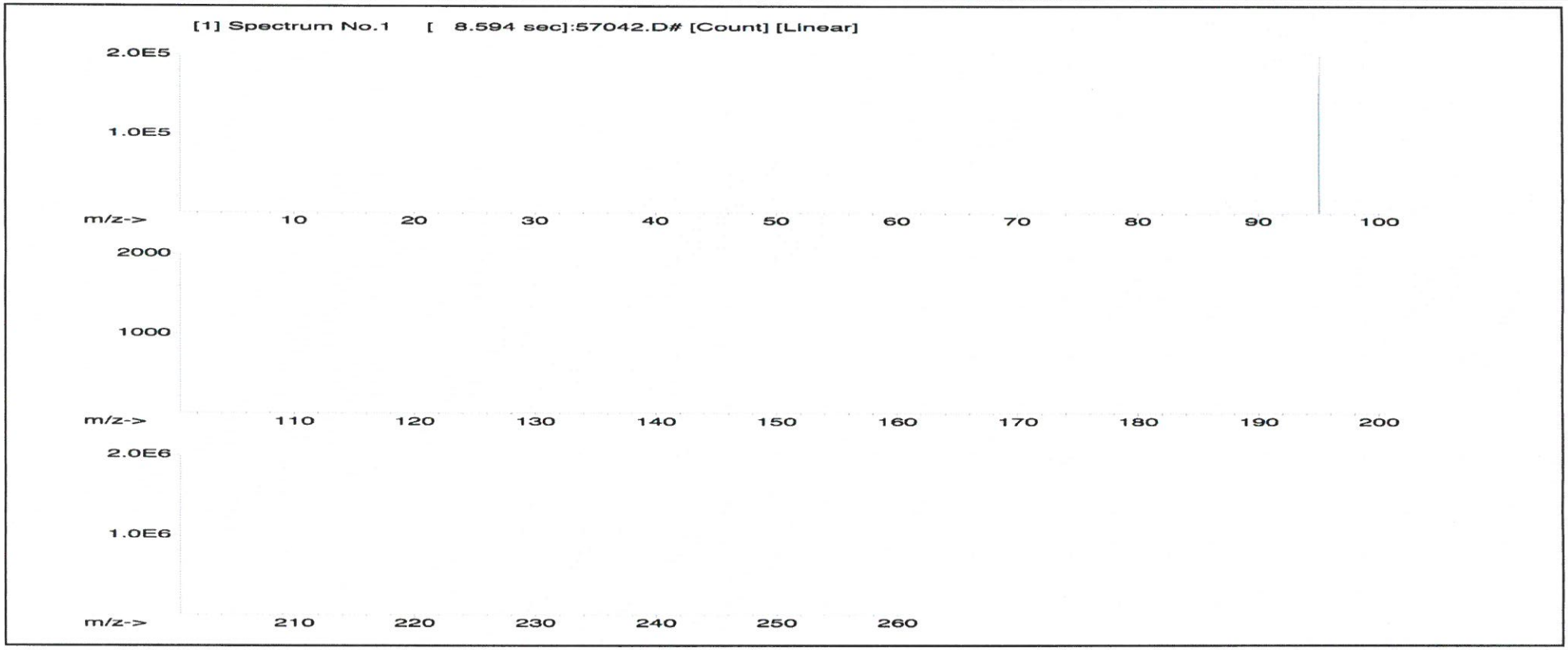
Part Number: 57042
Lot Number: 051722
Description: Molybdenum (Mo)

	Lot #	Solvent:	
	MKBQ8597V	Ammonium hydroxide	
	0.5%	15.0 (mL)	Ammonium hydroxide

Expiration Date: 051725
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB 5E-05 Balance Uncertainty
Volume shown below was diluted to (mL): 3000.41 0.058 Flask Uncertainty

Formulated By:	Lawrence Barry	051722
Reviewed By:	Pedro L. Rentas	051722

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Ammonium molybdate (Mo)	58142	022222	0.1000	300.0	0.084	1000	10001.0	**1000.0**	**2.1**	13106-76-8	5 mg(Mo)/m3	orl-rat 333 mg/kg	3134



734

Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	T	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:



* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
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* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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Certified Reference Material CRM

M5288 R: 07/21/2022

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735

CERTIFIED WEIGHT REPORT:

Part Number: 58119
Lot Number: 071122
Description: Potassium (K)

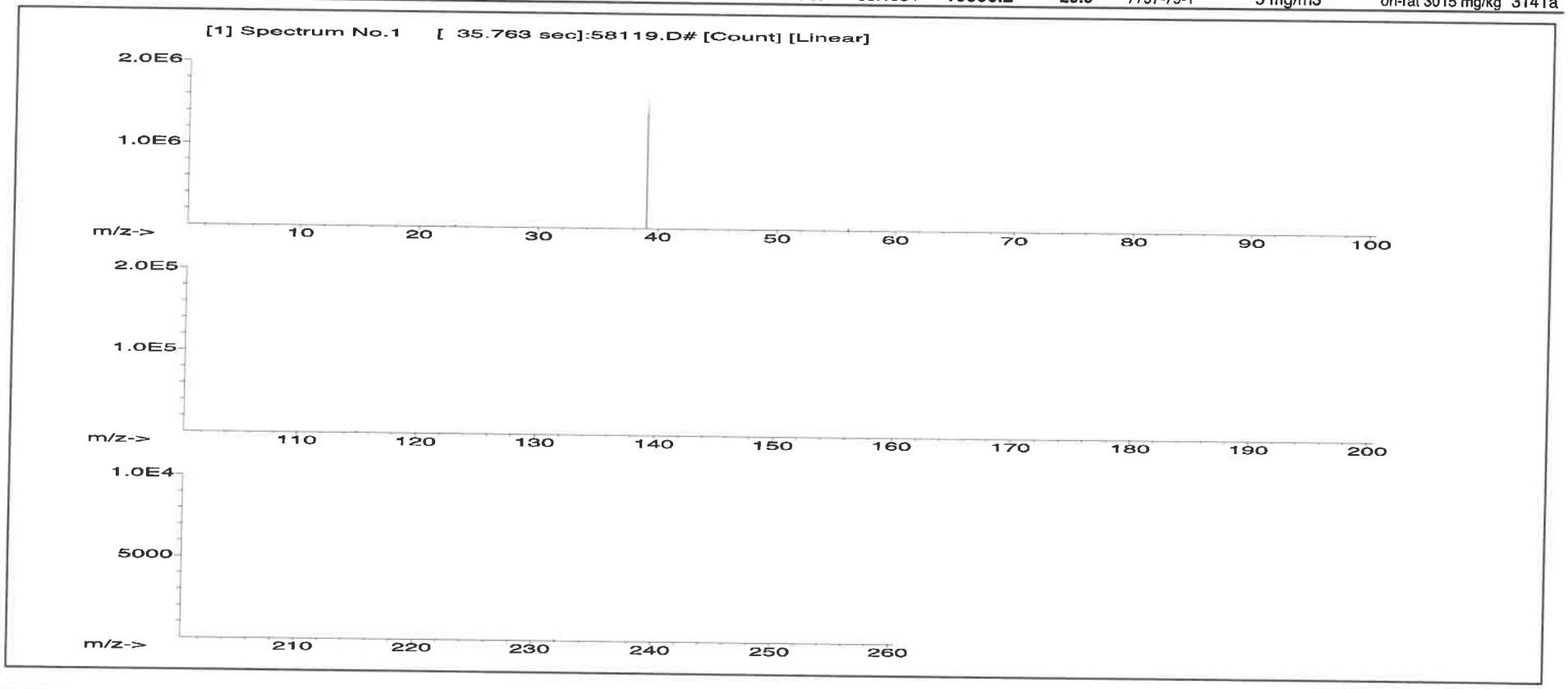
Expiration Date: 071125
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 2000.02

	Lot #		
Solvent:	20510011	Nitric Acid	
2%	40.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

Formulated By:	Lawrence Barry	071122
Reviewed By:	Pedro L. Rentas	071122

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	**Actual Conc. (µg/mL)**	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Potassium nitrate (K)	IN034	KD022021A1	10000	99.999	0.10	37.6	53.1925	53.1934	**10000.2**	**20.0**	7757-79-1	5 mg/m3	orl-rat 3015 mg/kg	3141a



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	T	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

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M5289 R: 07/12/22 BH

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https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

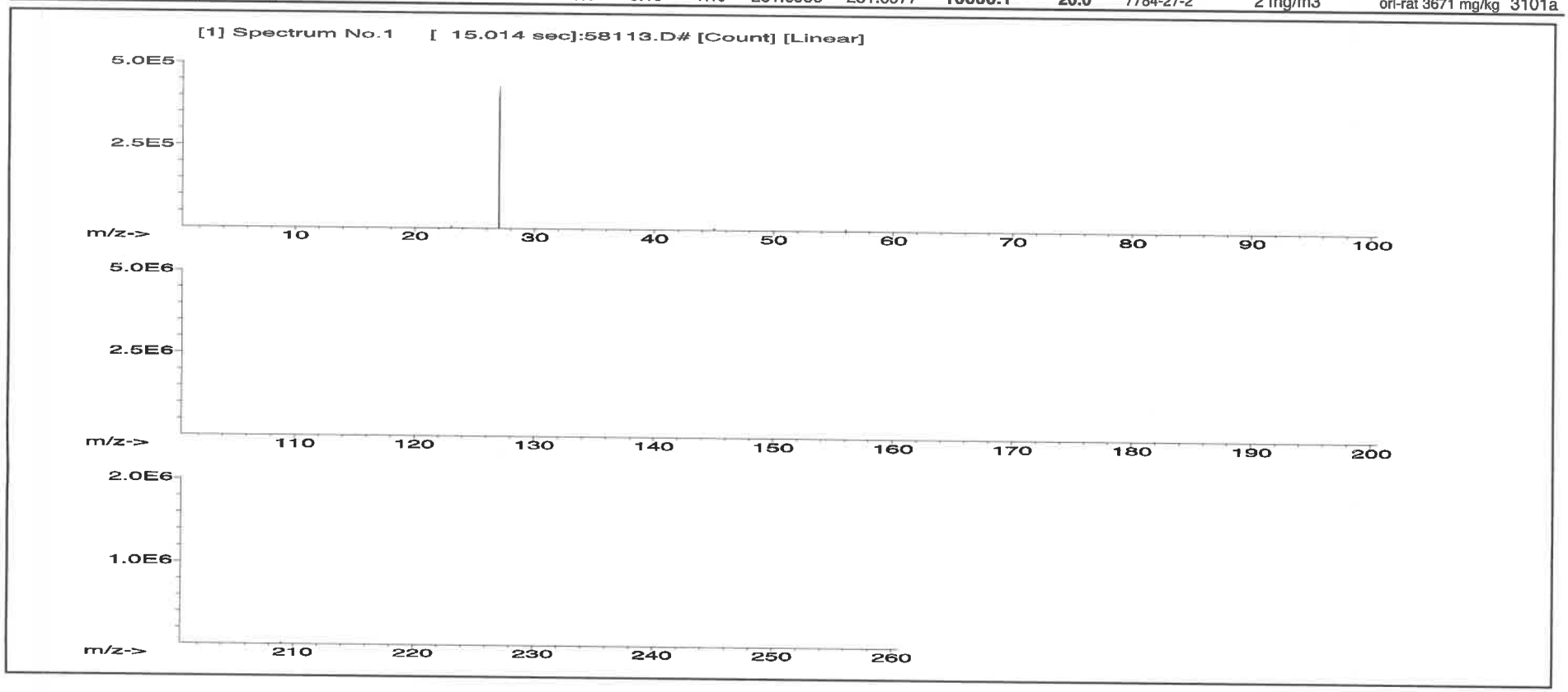
Part Number: 58113
Lot Number: 070622
Description: Aluminum (Al)

Expiration Date: 070625
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 2000.02

	Lot #		
Solvent:	20370011	Nitric Acid	
2%	40.0 (mL)	Nitric Acid	
	5E-05	Balance Uncertainty	
	0.058	Flask Uncertainty	

Formulated By:	Lawrence Barry	070622
Reviewed By:	Pedro L. Rentas	070622

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Aluminum nitrate nonahydrate (Al)	IN022	ALD012021A1	10000	99.999	0.10	7.10	281.6956	281.6977	**10000.1**	**20.0**	7784-27-2	2 mg/m3	orl-rat 3671 mg/kg	3101a



Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	T	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

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QATS LABORATORY INORGANIC REFERENCE MATERIAL INITIAL CALIBRATION VERIFICATION SOLUTIONS (ICV1, ICV5, AND ICV6)

NOTE: These instructions are for advisory purposes only. If any apparent conflict exists between these instructions and the analytical protocol or your contract, disregard these instructions.

APPLICATION: For use with the CLP SFAM01.0 SOW and revisions.

CAUTION: Read instructions carefully before opening bottle(s) and proceeding with the analyses.

Contains Metals in Dilute Acidic or Cyanide in Basic Aqueous Solutions
HAZARDOUS MATERIAL

Safety Data Sheets Available Upon Request

M5291
M5292
M5293
M5294
M5295

(A) *SAMPLE DESCRIPTION*

Enclosed is a set of one (1) or more Aqueous Inorganic Reference Materials containing various analyte concentrations. ICV1 and ICV5 are in a matrix of dilute nitric acid. ICV6 is in a matrix of dilute basic solution. **For the reference material source in reporting ICVs use "USEPA". For the reference material lot number for the ICV1, ICV5, and ICV6 solutions use "ICV1-1014", "ICV5-0415", and "ICV6-0400", respectively.**

(B) *BREAKAGE OR MISSING ITEMS*

Check the contents of the shipment carefully for any broken, leaking, or missing items. Check that the seal is intact on each bottle. Refer to the enclosed chain of custody record. Report any problems to Mr. Keith Strout, APTIM Federal Services, LLC, at (702) 895-8722. If requested, return the chain-of-custody record with appropriate annotations and signatures to the address provided below.

QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY
APTIM Federal Services, LLC
2700 Chandler Avenue - Building C
Las Vegas, NV 89120

(C) *ANALYSIS OF SAMPLES*

The Initial Calibration Verification Solutions (ICVs) are to be used to evaluate the accuracy of the initial calibrations of ICP, AA, and Cyanide colorimetric instruments, and are to be used with the CLP SOWs and revisions. The values for each element in the ICVs are listed below in µg/L (ppb) for the resulting solution(s) after the dilution of the concentrate(s) according to the following instructions. Use Class 'A' glassware to prepare the solution(s).

ICV1-1014 For ICP-AES analysis, use a 10-fold dilution by pipetting 10 mL of the ICV1 concentrate into a 100 mL volumetric flask and dilute to volume with 2% (v/v) nitric acid.

ICV1-1014 For ICP-MS analysis, use a 50-fold dilution by pipetting 2 mL of the ICV1 concentrate into a 100 mL volumetric flask and dilute to volume with 1% (v/v) nitric acid.

ICV5-0415 For the cold vapor analysis of mercury by AA, use a 100-fold dilution by pipetting 1 mL of the ICV5 concentrate into a 100 mL volumetric flask and dilute to volume with 2% (v/v) nitric acid. The ICV5 concentrate is prepared in 0.05% (w/v) $K_2Cr_2O_7$ and 5% (v/v) nitric acid.

ICV6-0400 For the analysis of cyanide, use a 100-fold dilution by pipetting 1 mL of the ICV6 concentrate into a 100 mL volumetric flask and dilute to volume with Type II water. Distill this solution along with the samples before analysis. The cyanide concentrate is prepared from $K_3Fe(CN)_6$, Type II water, and 0.1 % sodium hydroxide, and will decompose rapidly if exposed to light.

NOTE: USE TYPE II WATER AND HIGH-PURITY ACIDS FOR ALL DILUTIONS.

(D) *CERTIFIED CONCENTRATIONS OF QATS ICV1, ICV5, AND ICV6 SOLUTIONS*

ICV1-1014		
Element	**Concentration (µg/L) (after 10-fold dilution)**	**Concentration (µg/L) (after 50-fold dilution)**
Al	2500	500
Sb	1000	200
As	1000	200
Ba	520	100
Be	510	100
Cd	510	100
Ca	10000	2000
Cr	520	100
Co	520	100
Cu	510	100
Fe	10000	2000
Pb	1000	200
Mg	6000	1200
Mn	520	100
Ni	530	110
K	9900	2000
Se	1000	200
Ag	250	50
Na	10000	2000
Tl	1000	210
V	500	100
Zn	1000	200

ICV5-0415		ICV6-0400	
Element	**Concentration (µg/L) (after 100-fold dilution)**	**Analyte**	**Concentration (µg/L) (after 100-fold dilution)**
Hg	4.0	**CN^-**	99

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Certificate of Analysis

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	6020CAL-1
Lot Number:	S2-MEB711244
Matrix:	5% (v/v) HNO3 tr. HF
Value / Analyte(s):	20 µg/mL ea:

Silver,	Aluminum,
Arsenic,	Barium,
Beryllium,	Calcium,
Cadmium,	Cobalt,
Chromium,	Copper,
Iron,	Potassium,
Magnesium,	Manganese,
Sodium,	Nickel,
Lead,	Antimony,
Selenium,	Thallium,
Vanadium,	Zinc

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Aluminum, Al	**20.01 ± 0.08 µg/mL**	**Antimony, Sb**	**20.01 ± 0.12 µg/mL**
Arsenic, As	**20.01 ± 0.18 µg/mL**	**Barium, Ba**	**20.01 ± 0.11 µg/mL**
Beryllium, Be	**20.01 ± 0.14 µg/mL**	**Cadmium, Cd**	**20.01 ± 0.11 µg/mL**
Calcium, Ca	**20.01 ± 0.10 µg/mL**	**Chromium, Cr**	**20.01 ± 0.16 µg/mL**
Cobalt, Co	**20.01 ± 0.11 µg/mL**	**Copper, Cu**	**20.01 ± 0.10 µg/mL**
Iron, Fe	**20.01 ± 0.09 µg/mL**	**Lead, Pb**	**20.01 ± 0.11 µg/mL**
Magnesium, Mg	**19.99 ± 0.10 µg/mL**	**Manganese, Mn**	**20.01 ± 0.10 µg/mL**
Nickel, Ni	**20.01 ± 0.11 µg/mL**	**Potassium, K**	**20.01 ± 0.10 µg/mL**
Selenium, Se	**20.02 ± 0.14 µg/mL**	**Silver, Ag**	**20.02 ± 0.09 µg/mL**
Sodium, Na	**20.01 ± 0.10 µg/mL**	**Thallium, Tl**	**20.01 ± 0.13 µg/mL**
Vanadium, V	**20.01 ± 0.11 µg/mL**	**Zinc, Zn**	**20.01 ± 0.11 µg/mL**

Density: 1.026 g/mL (measured at 20 ± 4 ºC)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	160729
Ag	Volhard	999c	999c
Al	ICP Assay	3101a	140903
Al	EDTA	928	928
As	ICP Assay	3103a	100818
Ba	ICP Assay	3104a	140909
Ba	Gravimetric		See Sec. 4.2
Be	ICP Assay	3105a	090514
Ca	ICP Assay	3109a	130213
Ca	EDTA	928	928
Cd	ICP Assay	3108	130116
Cd	EDTA	928	928
Co	ICP Assay	3113	190630
Co	EDTA	928	928
Cr	ICP Assay	3112a	170630
Cu	ICP Assay	3114	121207
Cu	EDTA	928	928
Fe	ICP Assay	3126a	140812
Fe	EDTA	928	928
Fe	Calculated		See Sec. 4.2
K	ICP Assay	3141a	140813
K	Gravimetric		See Sec. 4.2
Mg	ICP Assay	3131a	140110
Mg	EDTA	928	928
Mn	ICP Assay	3132	050429
Mn	EDTA	928	928
Na	ICP Assay	3152a	120715
Na	Gravimetric		See Sec. 4.2
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
Pb	ICP Assay	3128	101026
Pb	EDTA	928	928
Se	ICP Assay	3149	100901
Se	Calculated		See Sec. 4.2
Tl	ICP Assay	3158	151215
Tl	Calculated		See Sec. 4.2
V	ICP Assay	3165	160906
V	EDTA	928	928
Zn	ICP Assay	3168a	120629
Zn	EDTA	928	928

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

$CRM/RM\ Expanded\ Uncertainty\ (\pm) = U_{CRM/RM} = k\ (u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\ (u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\ (u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

$CRM/RM\ Expanded\ Uncertainty\ (\pm) = U_{CRM/RM} = k\ (u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

HF Note: This standard should not be prepared or stored in glass.

Low Silver Note: This solution contains “LOW” levels of Silver. Please store this entire bottle inside a sealed glass jar.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

October 20, 2021

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **October 20, 2026**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Michael Booth
Director, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



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R:09/08/22 (BH)

Certified Reference Material CRM

M5387 . M5389 . M5390 . M5391 . M5392

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745

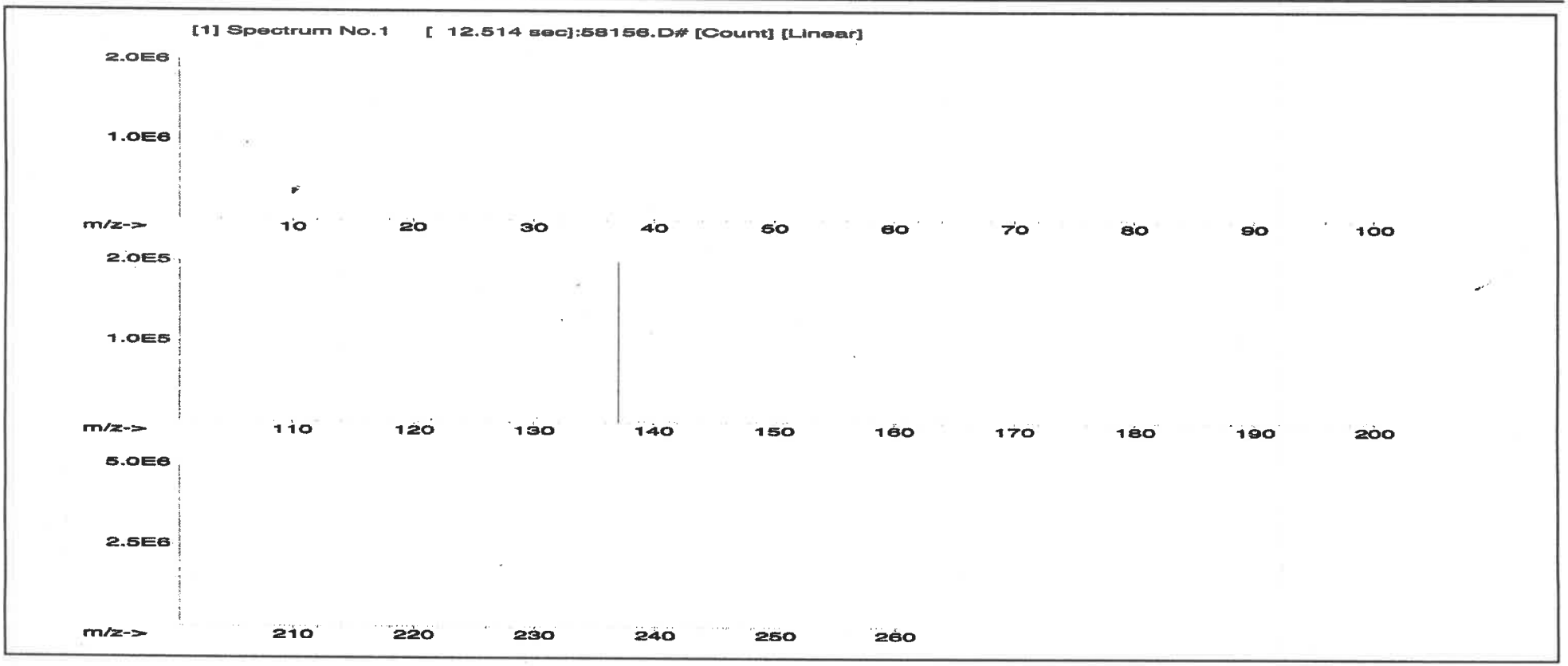
CERTIFIED WEIGHT REPORT:

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)

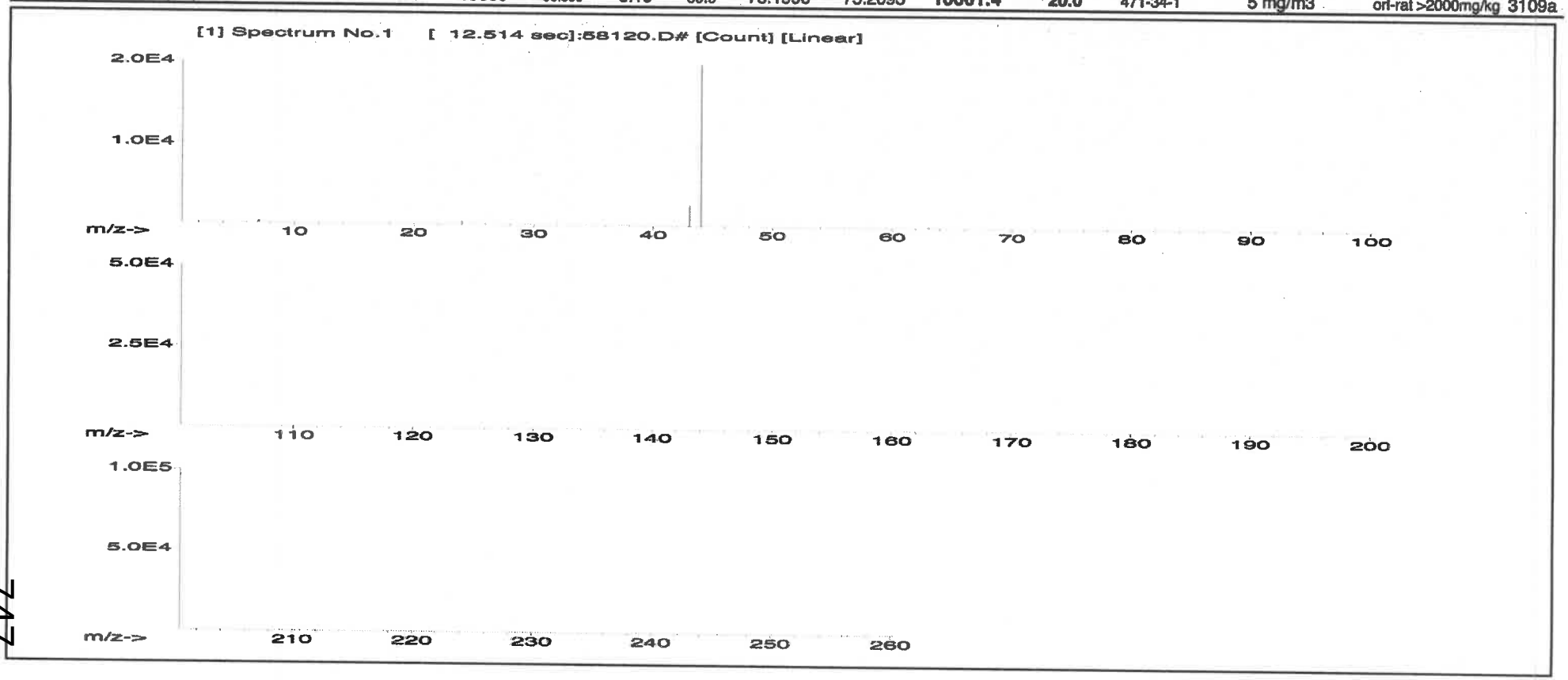
Expiration Date: 031526
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 3000.41 ± 0.058 Flask Uncertainty

	Lot #		
Solvent:	21110221	Nitric Acid	
2%	60.0 (mL)	Nitric Acid	
	5E-05	Balance Uncertainty	

Giovanni Esposito
Formulated By: Giovanni Esposito 031523

Pedro Rentas
Reviewed By: Pedro L. Rentas 031523

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Calcium carbonate (Ca)	IN014	CAD072022A1	10000	99.999	0.10	39.9	75.1990	75.2093	**10001.4**	**20.0**	471-34-1	5 mg/m3	orl-rat >2000mg/kg	3109a



747

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

M5497 - M5498 R: 03/17/23 BH

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CERTIFIED WEIGHT REPORT:

Part Number: 58120
Lot Number: 031523
Description: Calcium (Ca)

Expiration Date: 031526
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 3000.41 0.058 Flask Uncertainty

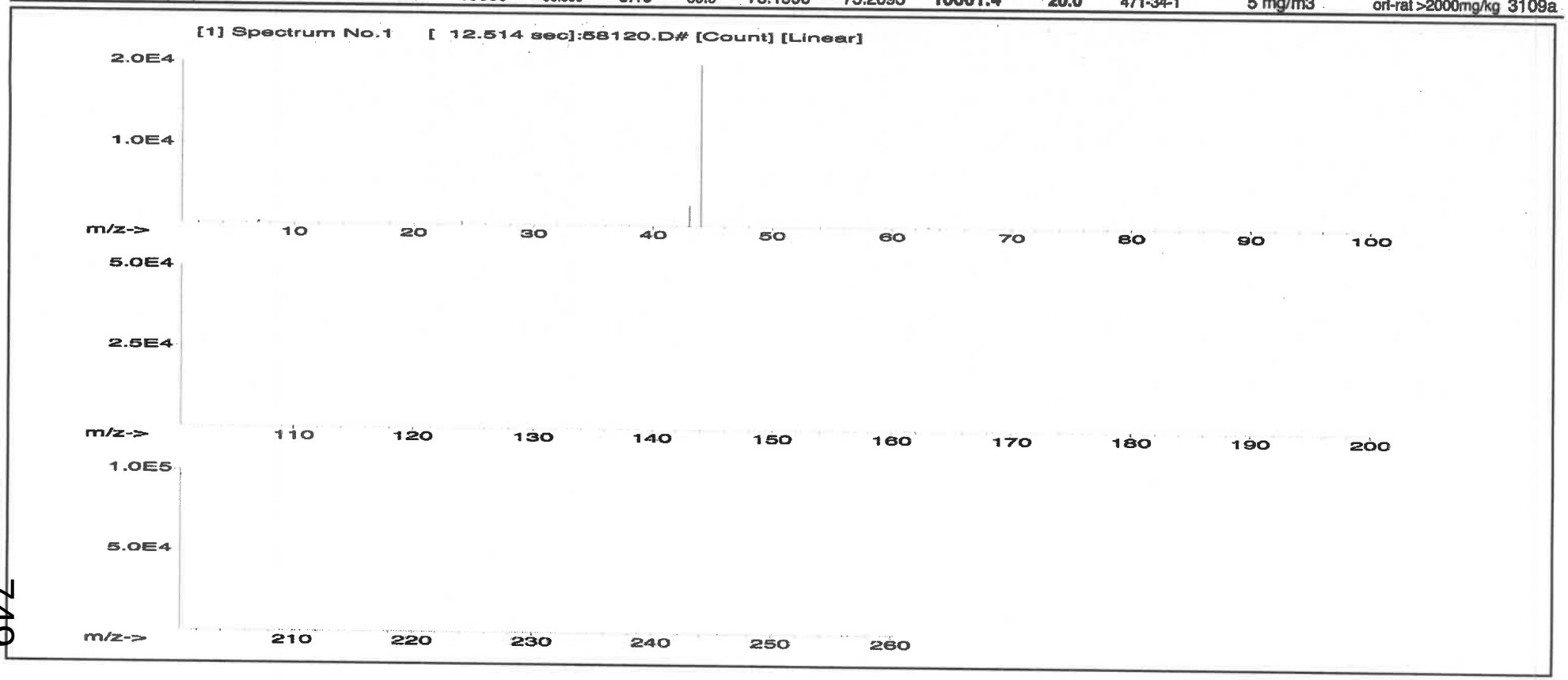
	Lot #		
Solvent:	21110221	Nitric Acid	
2%	60.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty

Giovanni Esposito

Formulated By:	Giovanni Esposito	031523
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



749

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

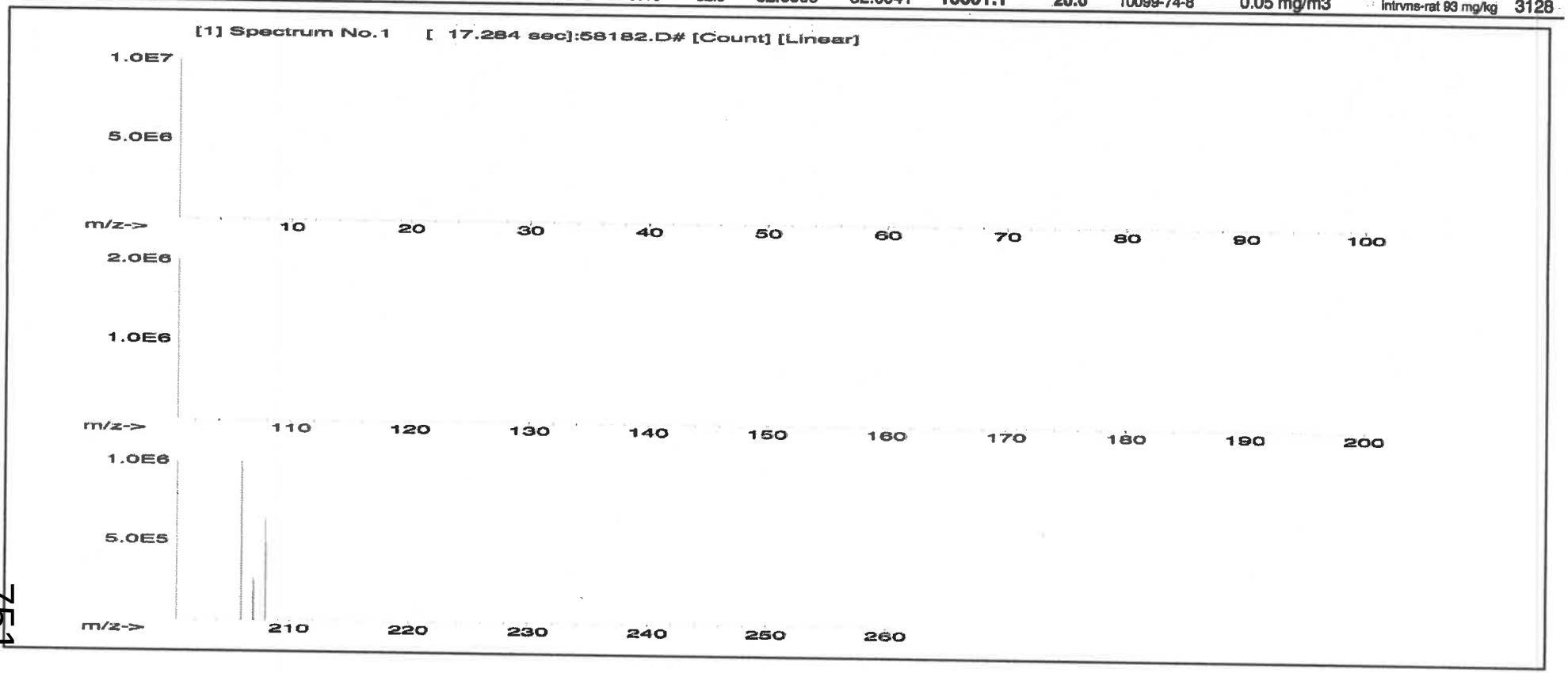
	Lot #		
Solvent:	20510011	Nitric Acid	
2%	40.0 (mL)	Nitric Acid	

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



751

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).

752

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Certified Reference Material CRM

M5514 , M5515 R: 03/17/23

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753

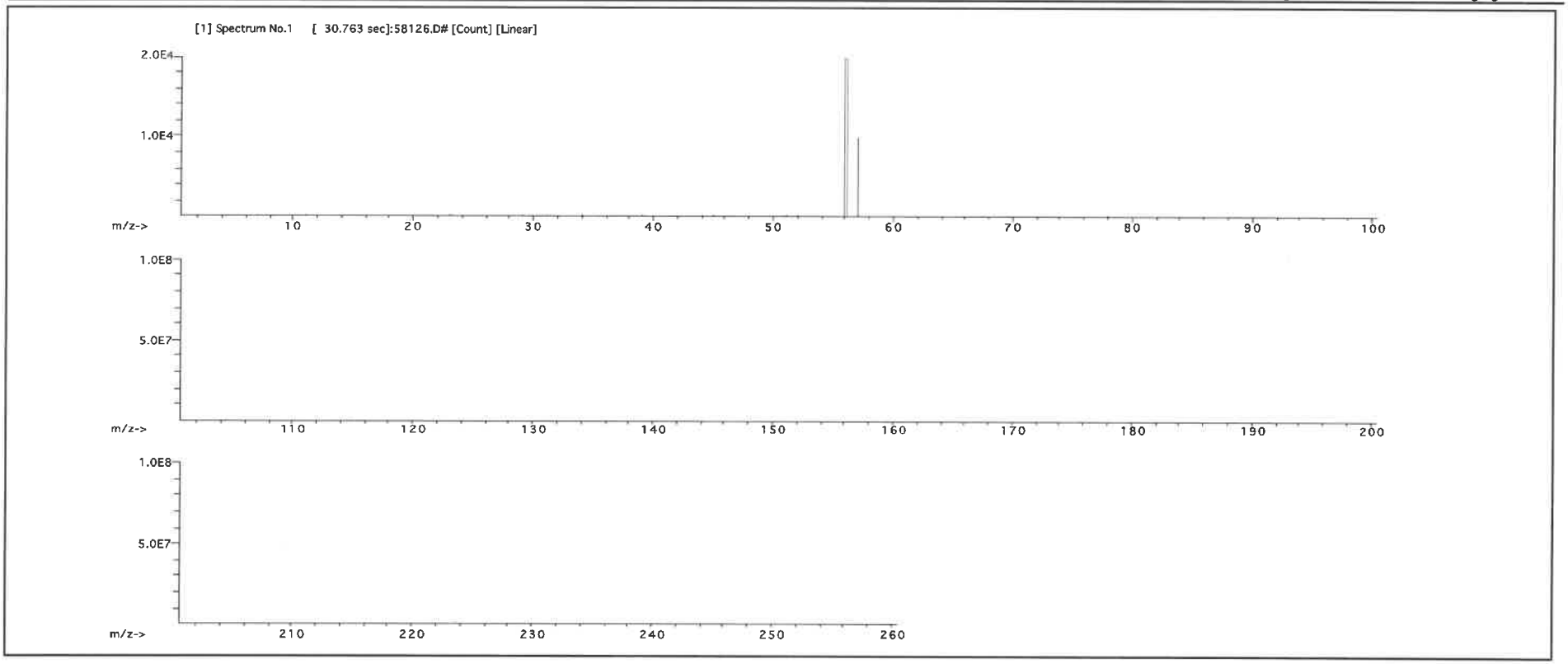
CERTIFIED WEIGHT REPORT:

Part Number:	**58126**		**Lot #**		
Lot Number:	**092122**	**Solvent:**	20510011	Nitric Acid	
Description:	**Iron (Fe)**	7.0%	350.0 (mL)	Nitric Acid	
Expiration Date:	092125				
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):	5000.1	0.12	Flask Uncertainty		

Giovanni Esposito

Formulated By:	Giovanni Esposito	092122
Reviewed By:	Pedro L. Rentas	092122

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	**Actual Conc. (µg/mL)**	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Iron (Fe)	IN346	2224912-500	10000	99.995	0.10	100.0	50.0034	50.0111	**10001.5**	**20.0**	7439-89-6	5 mg/m3	orl-rat 7500mg/kg	3126a



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.

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* 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).

754

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M546 M517 R: 03/17/22 BH

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CERTIFIED WEIGHT REPORT:

Part Number: 58111
Lot Number: 022123
Description: Sodium (Na)

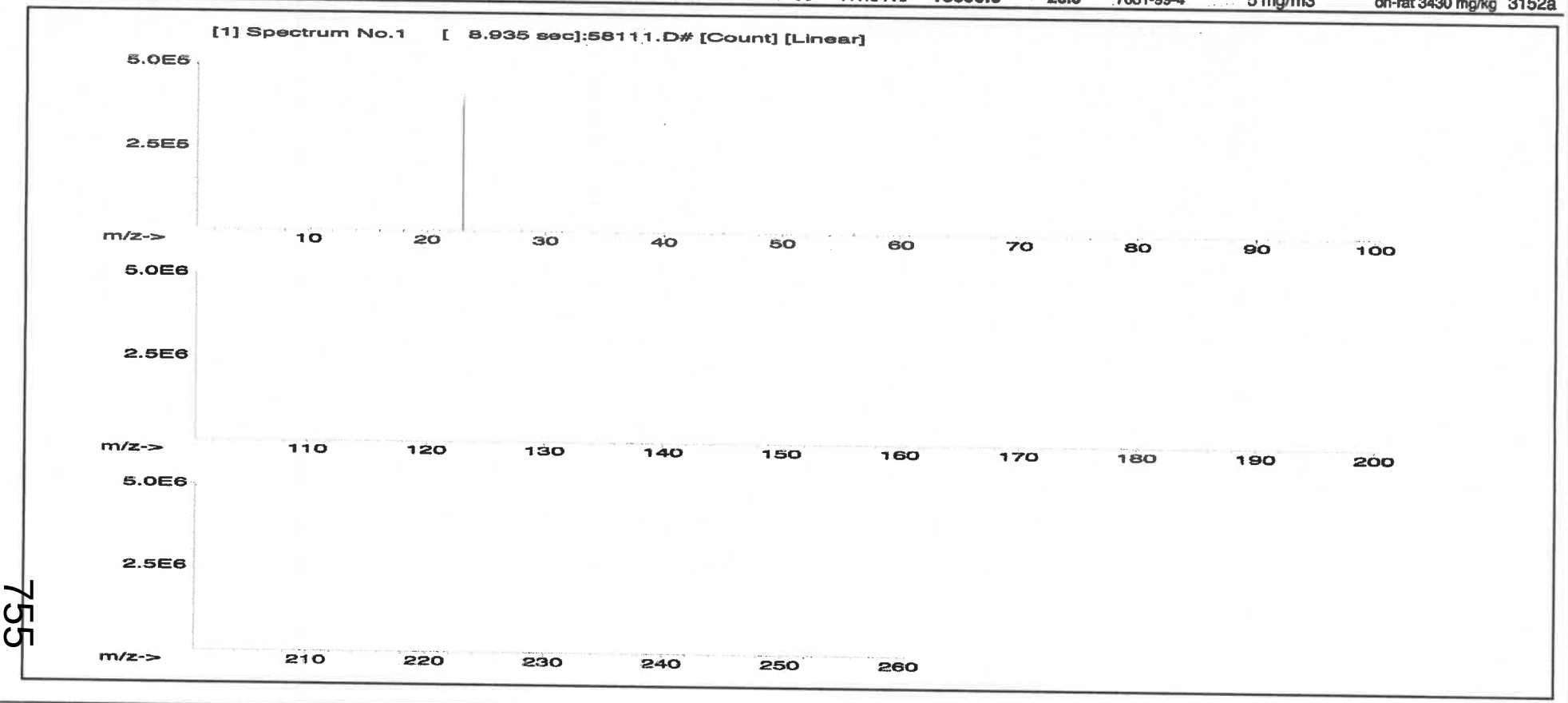
Expiration Date: 022126
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 3000.41 0.06 Flask Uncertainty

	Lot #		
Solvent:	21110221	Nitric Acid	
2%	60.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty

Formulated By:	Lawrence Barry	022123
Reviewed By:	Pedro L. Rentas	022123

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	111.5410	**10000.0**	**20.0**	7631-99-4	5 mg/m3	orl-rat 3430 mg/kg	3152a



755

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	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:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
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* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

756

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M5519. M5520 (BH) R:03/17/23

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757

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

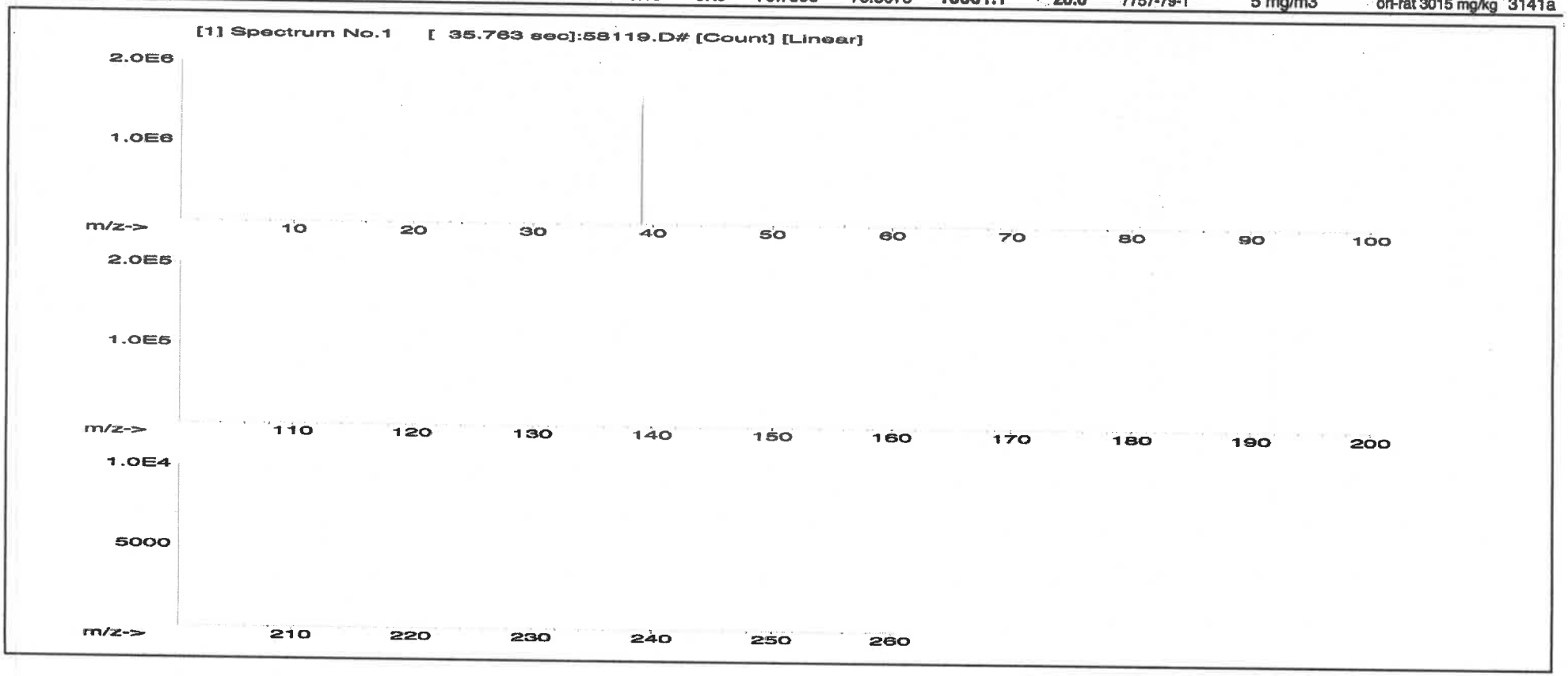
	Lot #		
Solvent:	20510011	Nitric Acid	
2%	60.0 (mL)	Nitric Acid	

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



758

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<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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M5658 R ! 8/25/23

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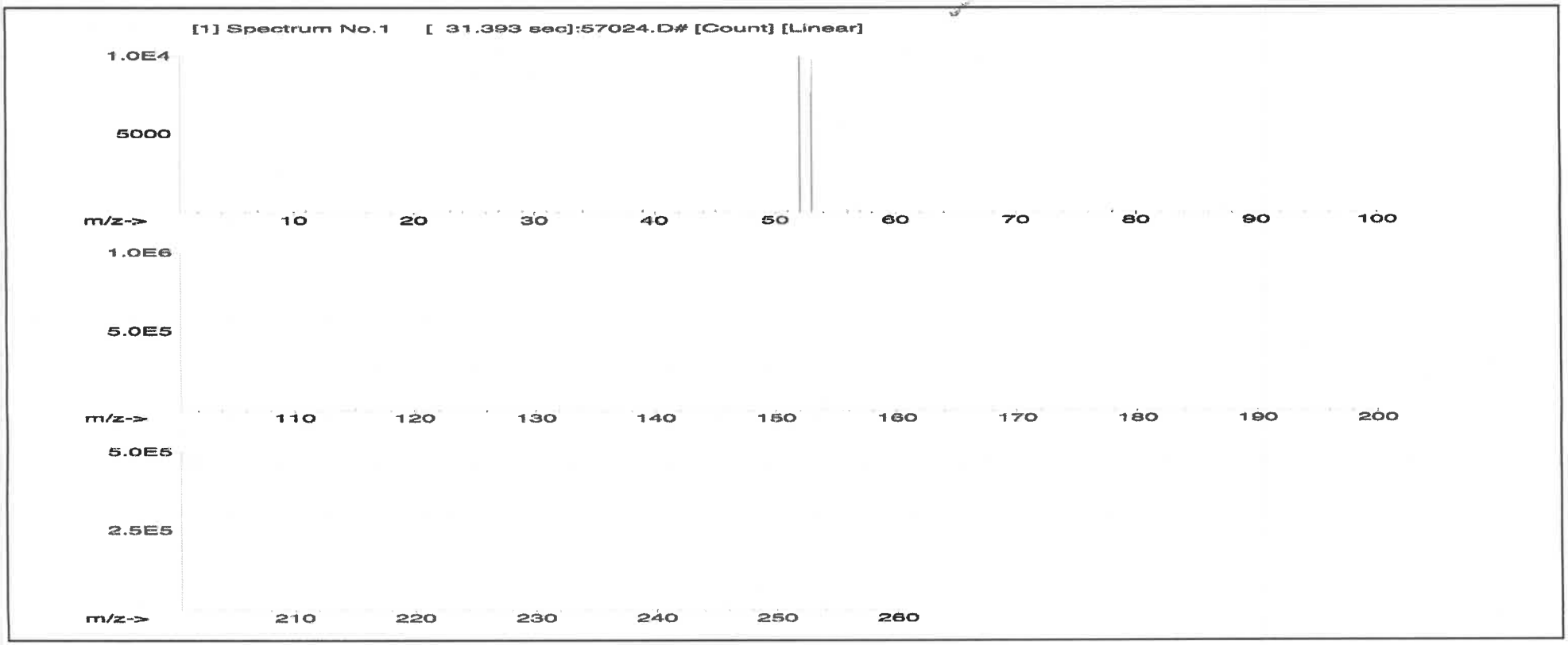
759

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



760

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.

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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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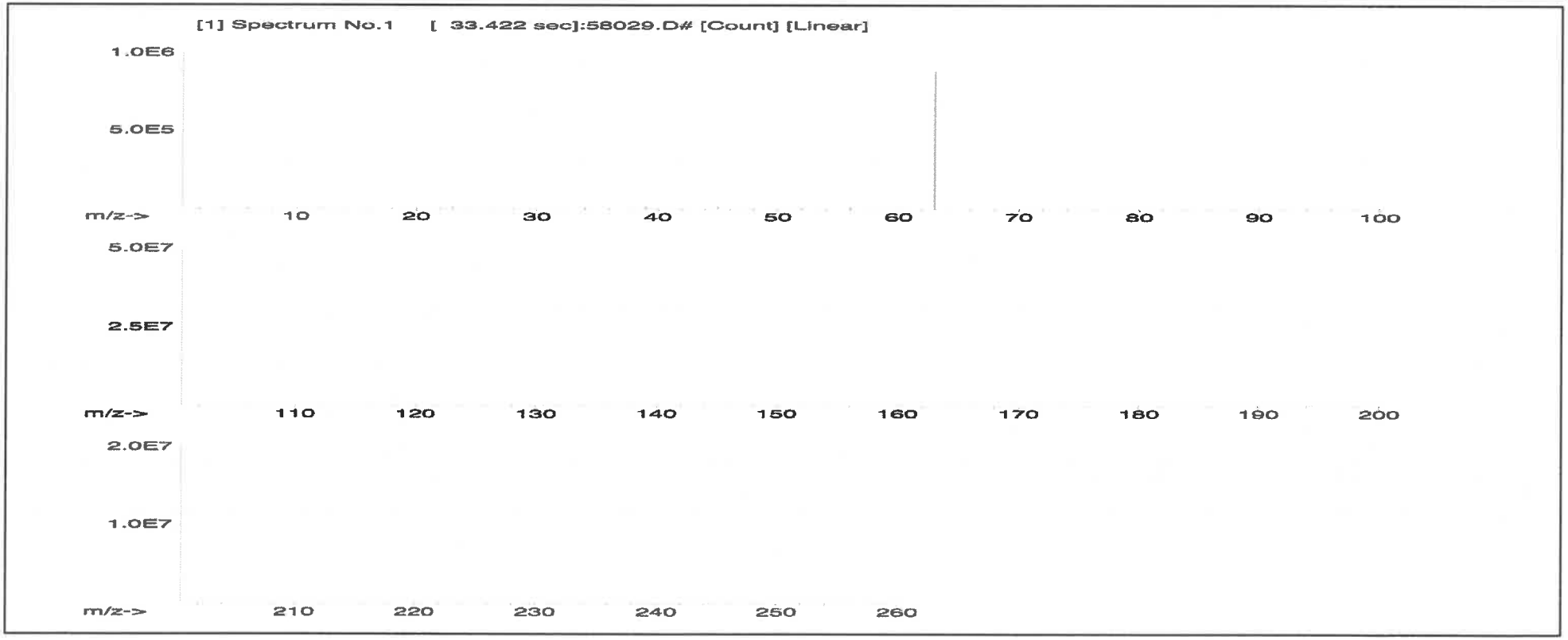
791

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:	
Part Number:	**58029**	24002546	Nitric Acid	
Lot Number:	**102523**			
Description:	**Copper (Cu)**			
		2.0%	40.0 (mL)	Nitric Acid
Expiration Date:	102526			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Volume shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty	

Formulated By:	Benson Chan	102523
Reviewed By:	Pedro L. Rentas	102523

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Copper(II) nitrate trihydrate (Cu)	58129	100223	0.1000	200.0	0.084	1000	10000.1	**1000.0**	**2.2**	10031-43-3	1 mg/m3	orl-rat 794 mg/kg	3114



762

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	T	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

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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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M5648 R: 10/27/23

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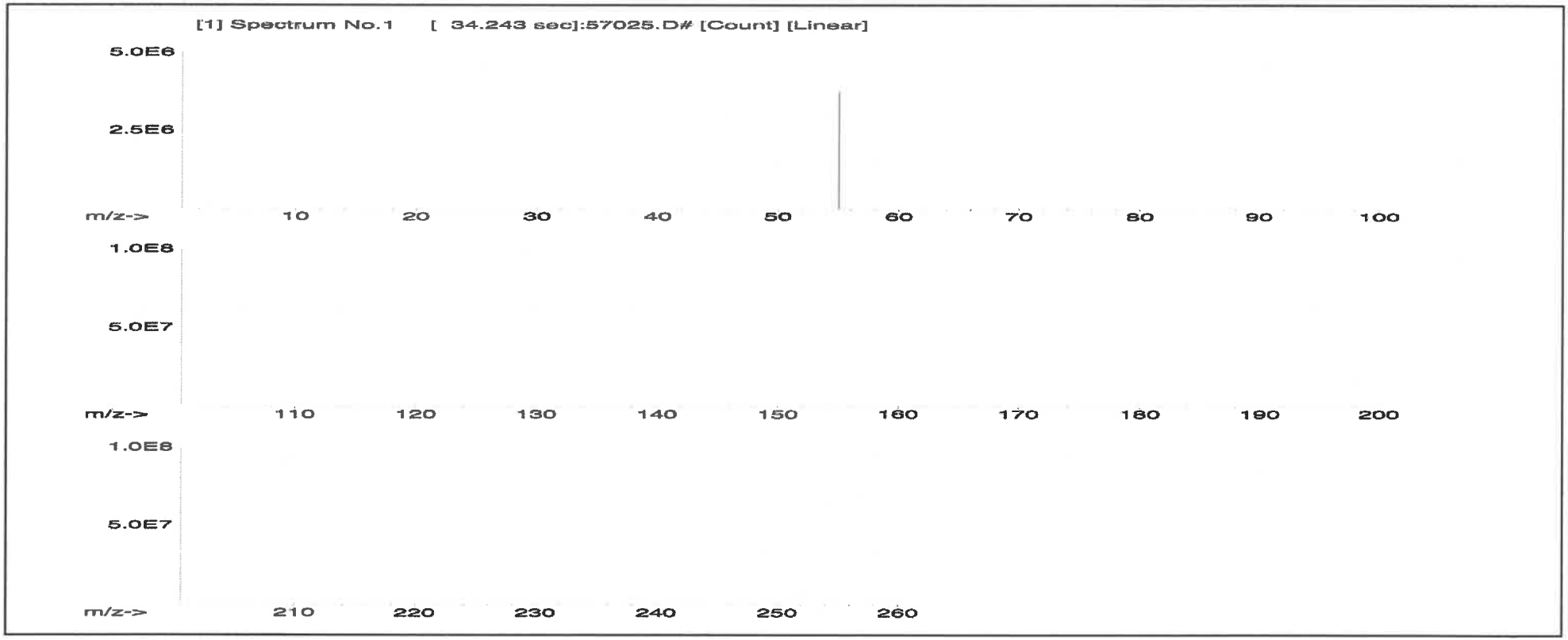
763

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



764

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	T	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

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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: 8/25/23 M5751

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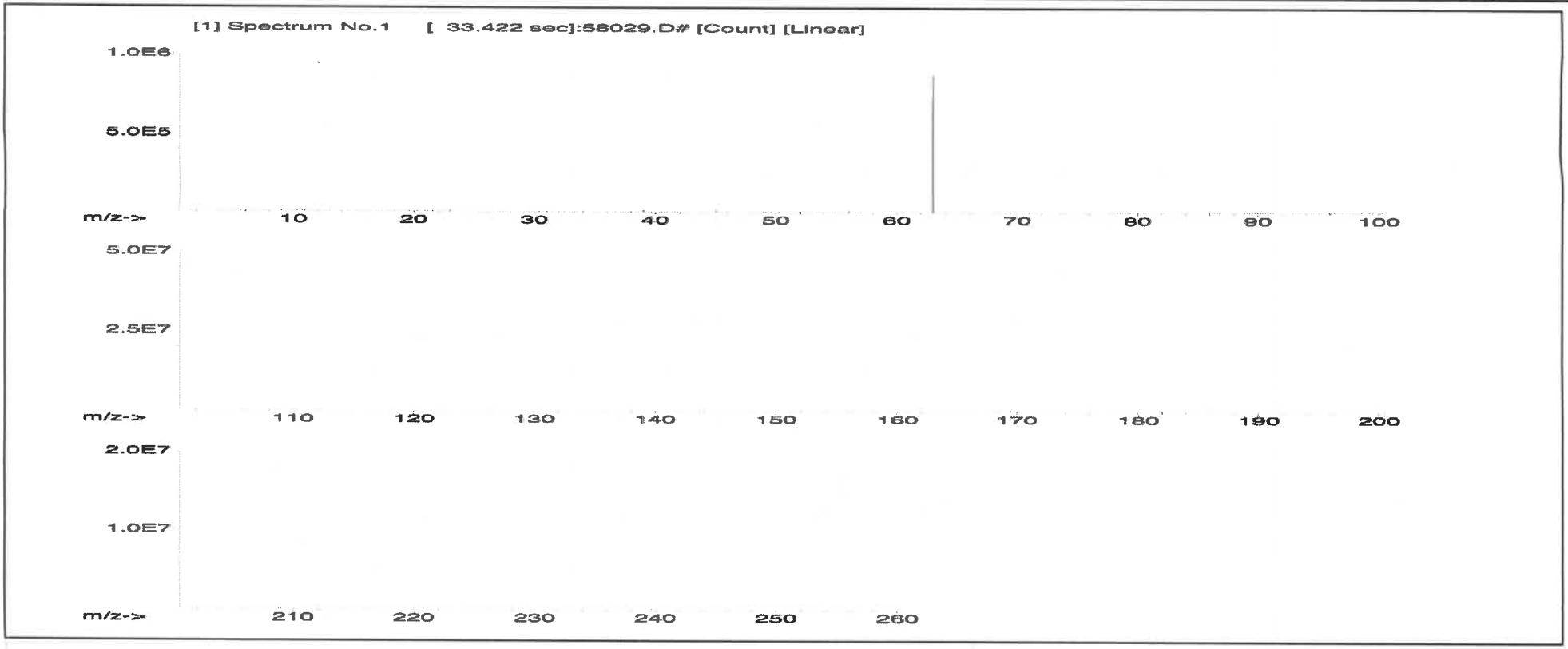
795

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



7997

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.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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M5768 M5769 (BP) R:1/3/24

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767

CERTIFIED WEIGHT REPORT:

Part Number: 58112
Lot Number: 091823
Description: Magnesium (Mg)

Expiration Date: 091826
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB

M5768, M5769 (BP) R: 1/3/24

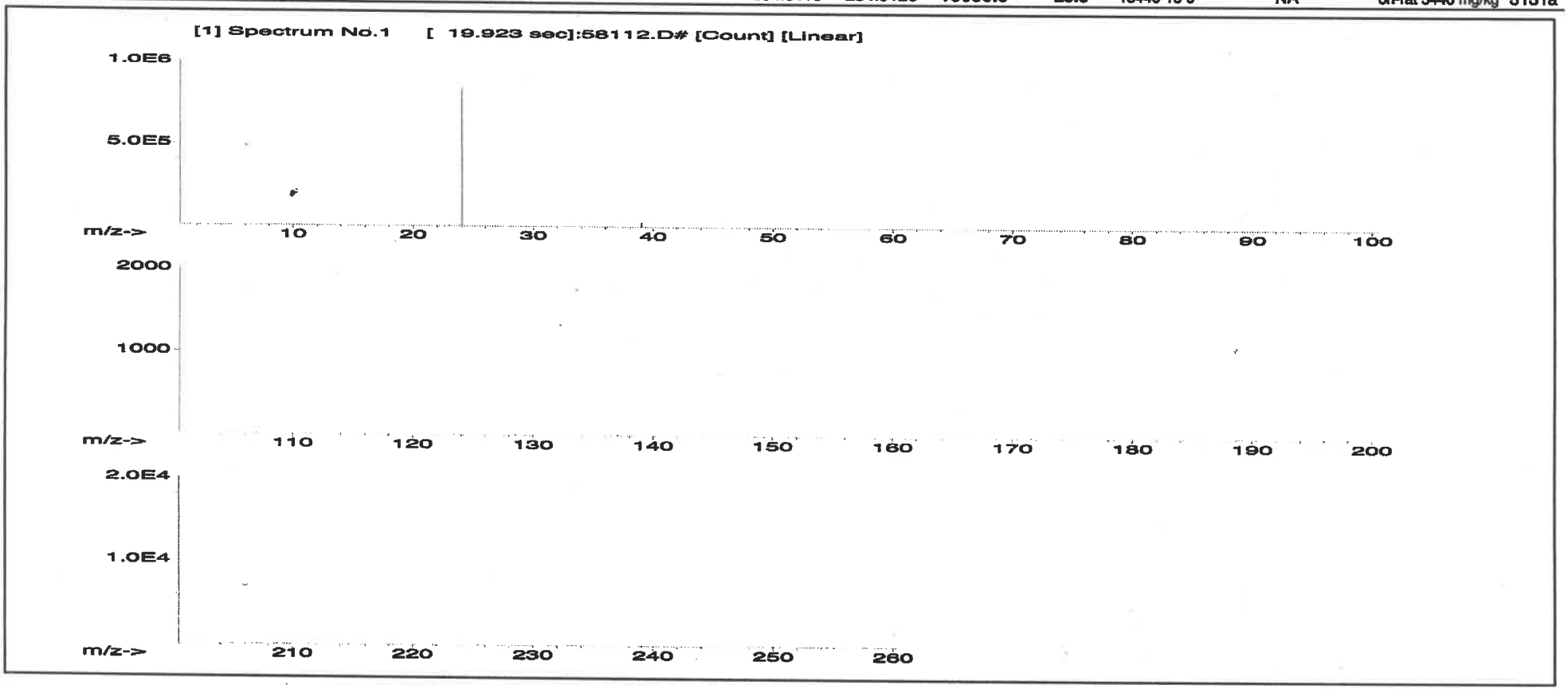
	Lot #		
Solvent:	24002546	Nitric Acid	
	2%	40.0 (mL)	Nitric Acid

5E-05 Balance Uncertainty

Weight shown below was diluted to (mL): 2000.02 0.058 Flask Uncertainty

Formulated By:	Lawrence Barry	091823
Reviewed By:	Pedro L. Rentas	091823

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Magnesium nitrate hexahydrate (Mg)	IN030	MGD052023A1	10000	99.999	0.10	8.51	234.9118	234.9126	**10000.0**	**20.0**	13446-18-9	NA	orl-rat 5440 mg/kg	3131a



768

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	T	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
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* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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699

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

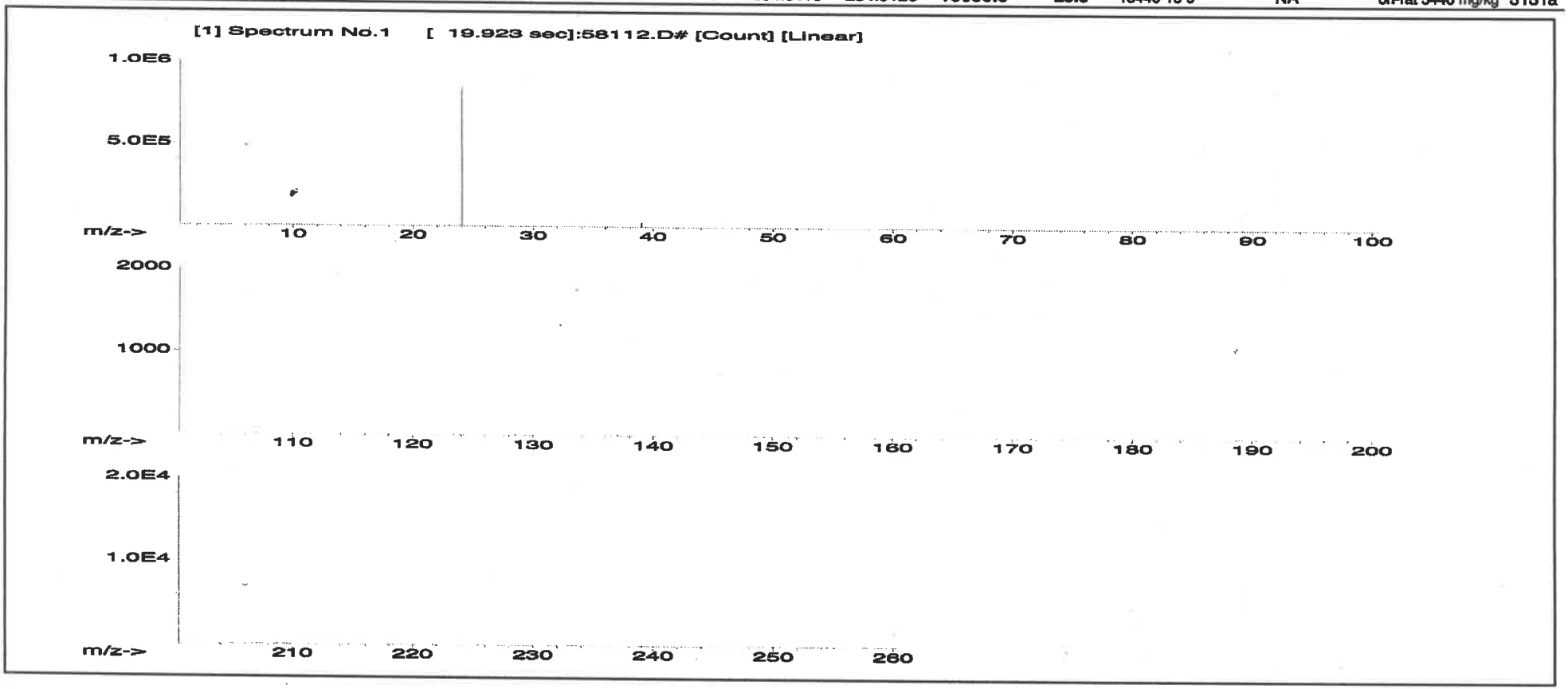
		Lot #	
Solvent:	24002546	Nitric Acid	
	2%	40.0 (mL)	Nitric Acid

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



770

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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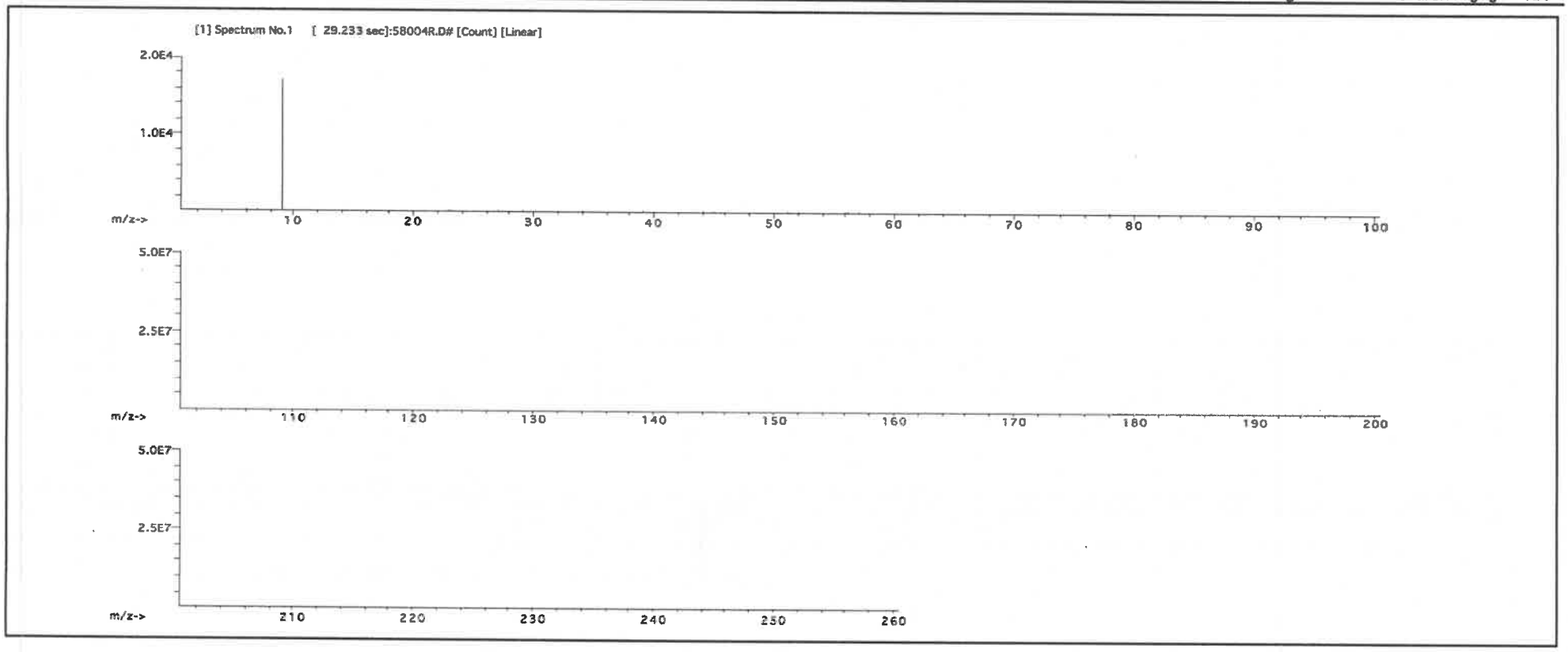
771

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:		
Part Number:	**57004**	24002546	Nitric Acid		
Lot Number:	**102523**				
Description:	**Beryllium (Be)**	2.0%	40.0 (mL)	Nitric Acid	
Expiration Date:	102526				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Volume shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty		

Formulated By:	Benson Chan	102523
Reviewed By:	Pedro L. Rentas	102523

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Beryllium nitrate (Be)	58104	091423	0.1000	200.0	0.084	1000	10001.5	**1000.0**	**2.2**	13597-99-4	0.2ug/m3	intrvns-rat 3.16mg/kg	NA



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	T	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

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* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

772

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773

CERTIFIED WEIGHT REPORT:

Part Number: 57050
Lot Number: 071123
Description: Tin (Sn)

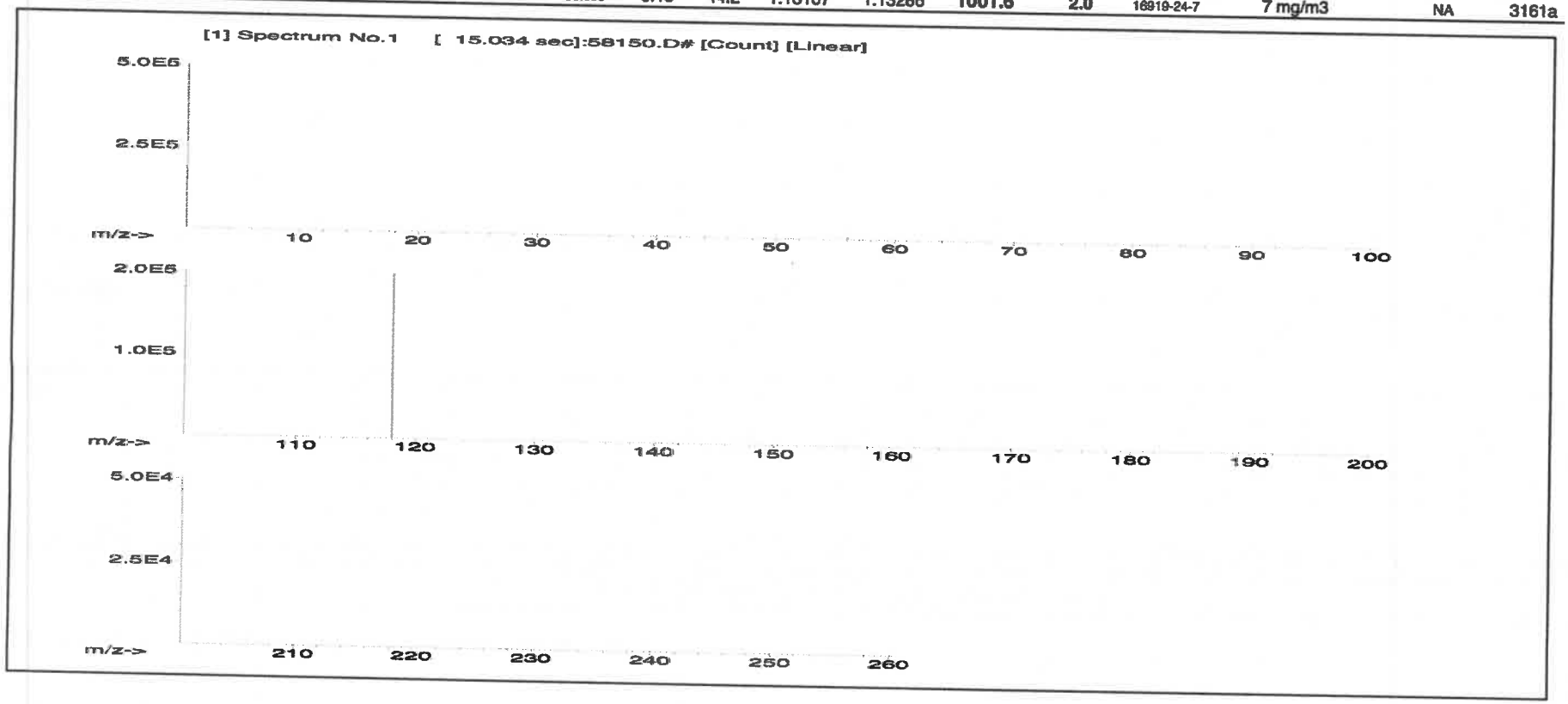
Expiration Date: 071126
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 499.93

	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



774

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<500	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	T	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

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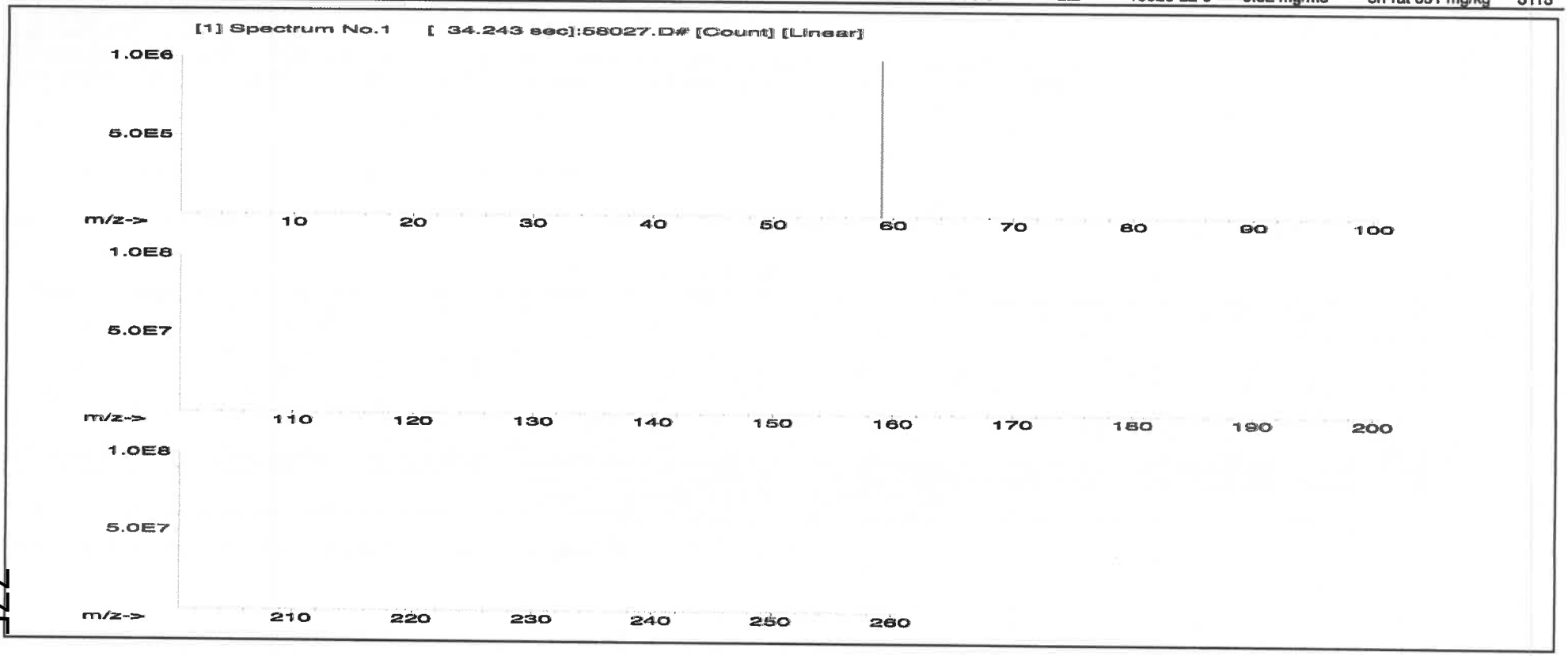
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CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:		
Part Number:	**57027**	24002546	Nitric Acid		
Lot Number:	**091923**				
Description:	**Cobalt (Co)**				
		2.0%	40.0 (mL)	Nitric Acid	
Expiration Date:	091926				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Volume shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty		

	Formulated By:	Lawrence Barry	091923
	Reviewed By:	Pedro L. Rentas	091923

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Cobalt(II) nitrate hexahydrate (Co)	58127	050923	0.1000	200.0	0.084	1000	10000.0	**1000.0**	2.2	10026-22-9	0.02 mg/m3	orl-rat 691 mg/kg	3113



775

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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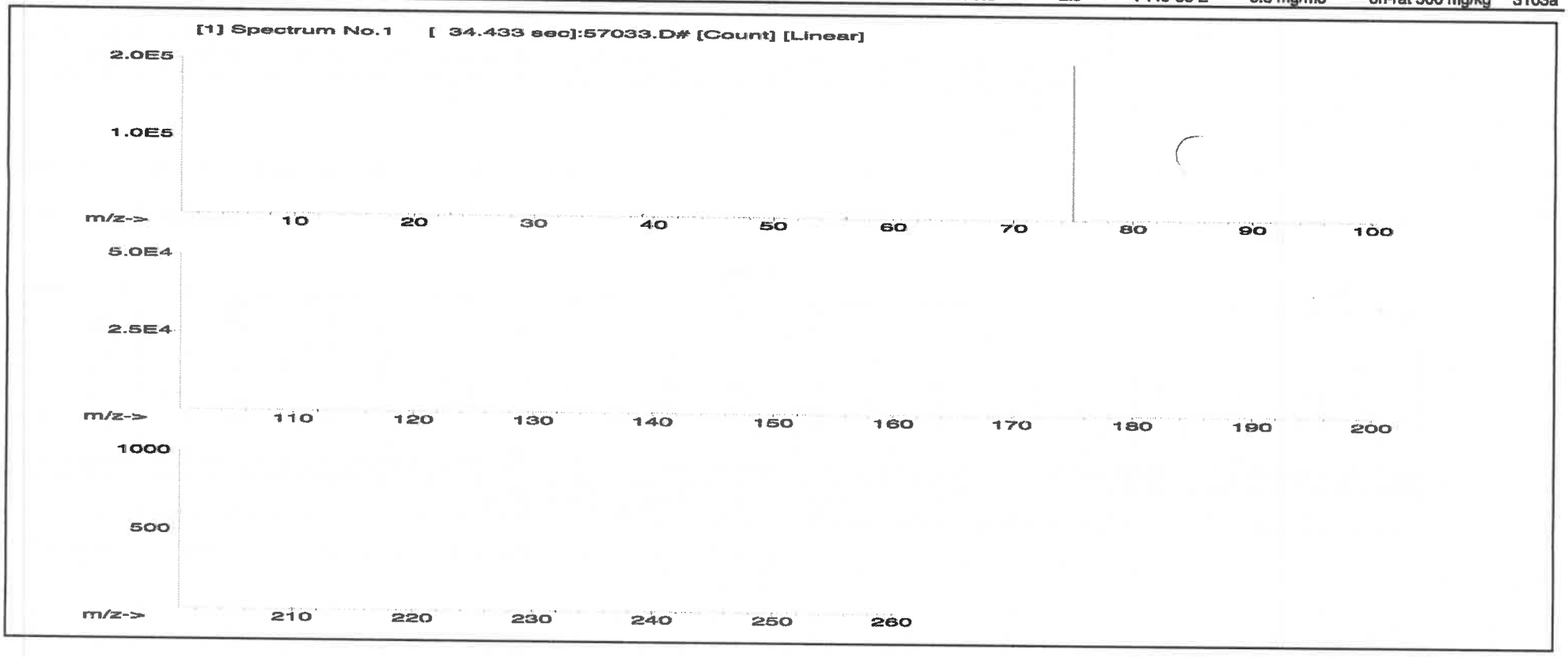
777

CERTIFIED **WEIGHT** REPORT:

		Lot #	Solvent:		
Part Number:	**57033**				
Lot Number:	**111323**	24002546	Nitric Acid		
Description:	**Arsenic (As)**				
		2.0%	80.0 (mL)	Nitric Acid	
Expiration Date:	111326				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Volume shown below was diluted to (mL):	4000.0	0.06	Flask Uncertainty		

Formulated By:	Lawrence Barry	111323
Reviewed By:	Pedro L. Rentas	111323

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Arsenic (As)	58133	020522	0.1000	400.0	0.084	1000	10001.0	**1000.0**	**2.0**	7440-38-2	0.5 mg/m3	orl-rat 500 mg/kg	3103a



778

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.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
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* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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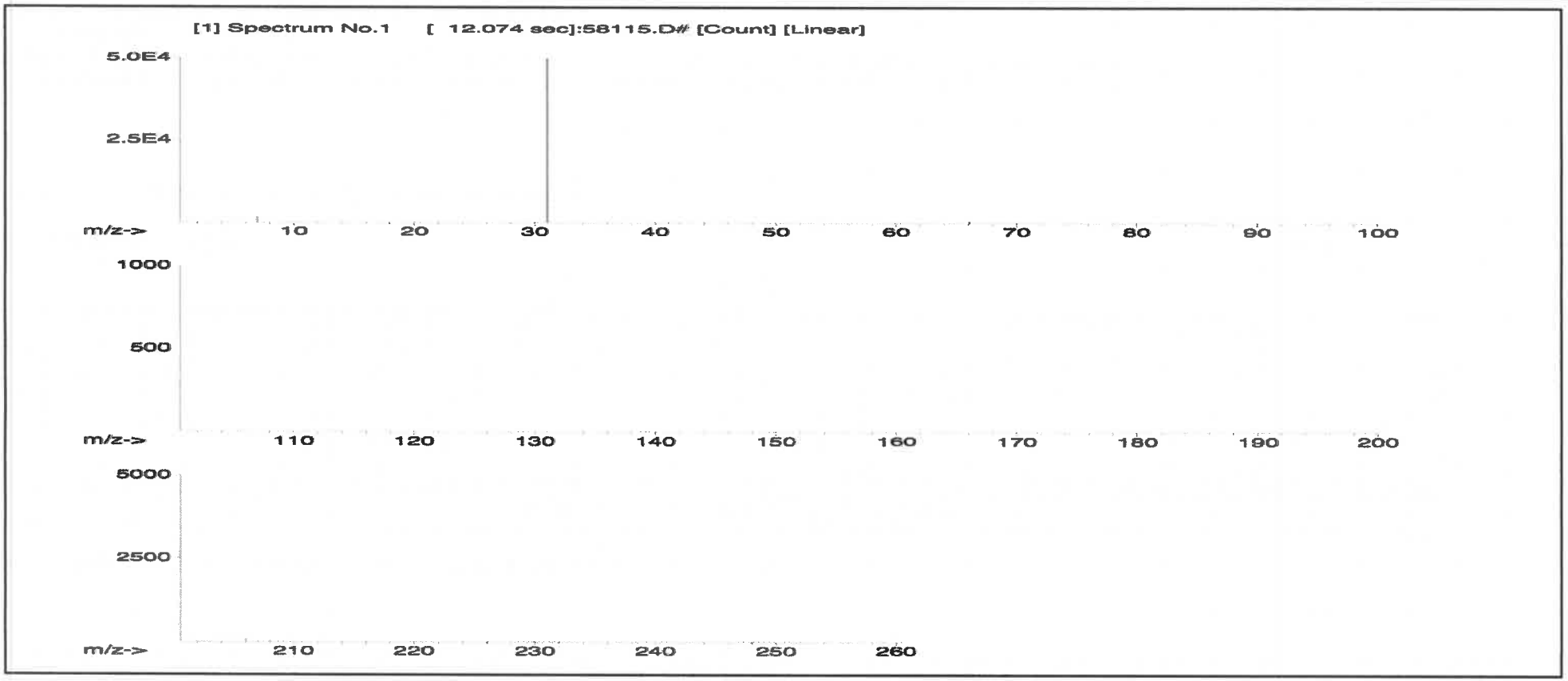
779

CERTIFIED WEIGHT REPORT:

			Lot #	
Part Number:	**57115**	**Solvent:**	21110221	Nitric Acid
Lot Number:	**041723**			
Description:	**Phosphorous (P)**	2%	40.0 (mL)	Nitric Acid
Expiration Date:	041726			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**10000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Weight shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty	

Formulated By:	Lawrence Barry	041723
Reviewed By:	Pedro L. Rentas	041723

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Ammonium dihydrogen phosphate (P)	IN008	PV082019A1	10000	99.999	0.10	27.5	72.7287	72.7289	**10000.0**	**20.0**	7722-76-1	5 mg/m3	orl-rat >2000mg/kg	3186



Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	T	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
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* 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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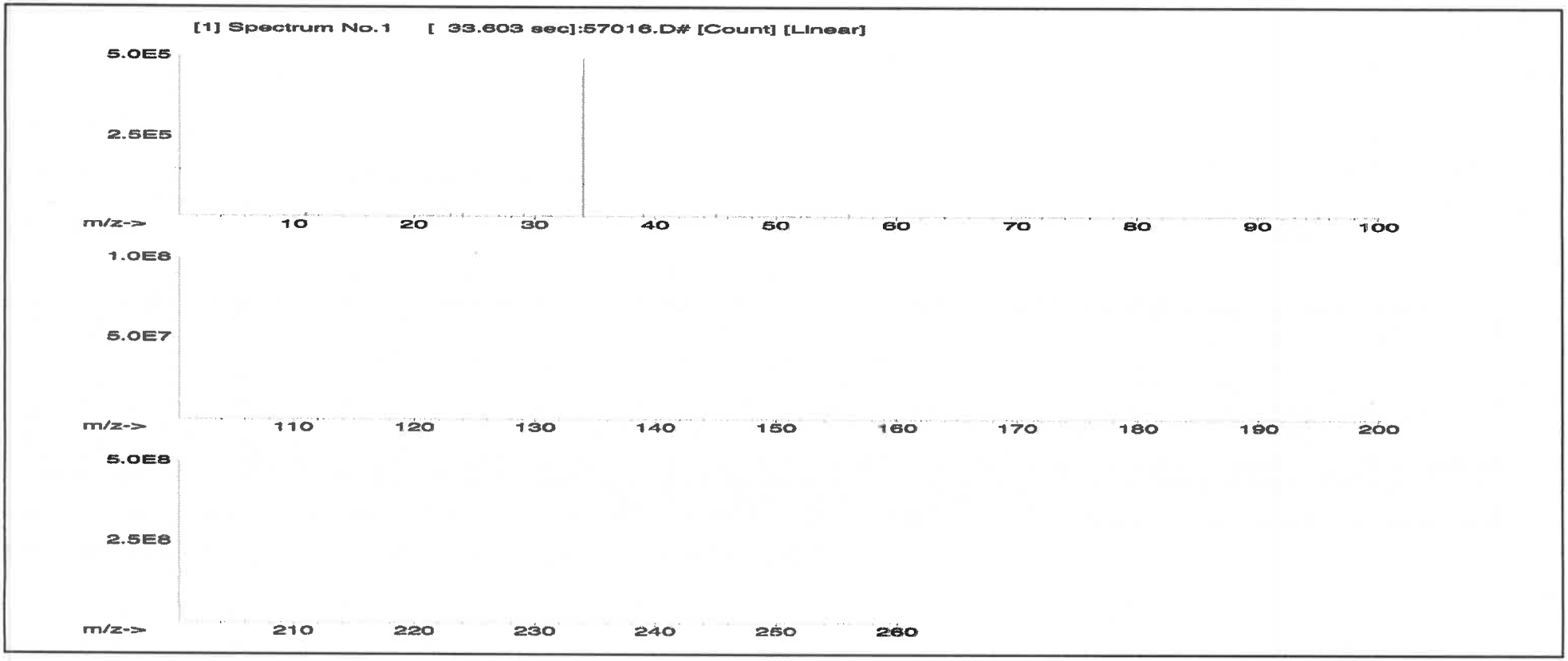
781

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



782

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	T	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:



* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
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* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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783

CERTIFIED WEIGHT REPORT:

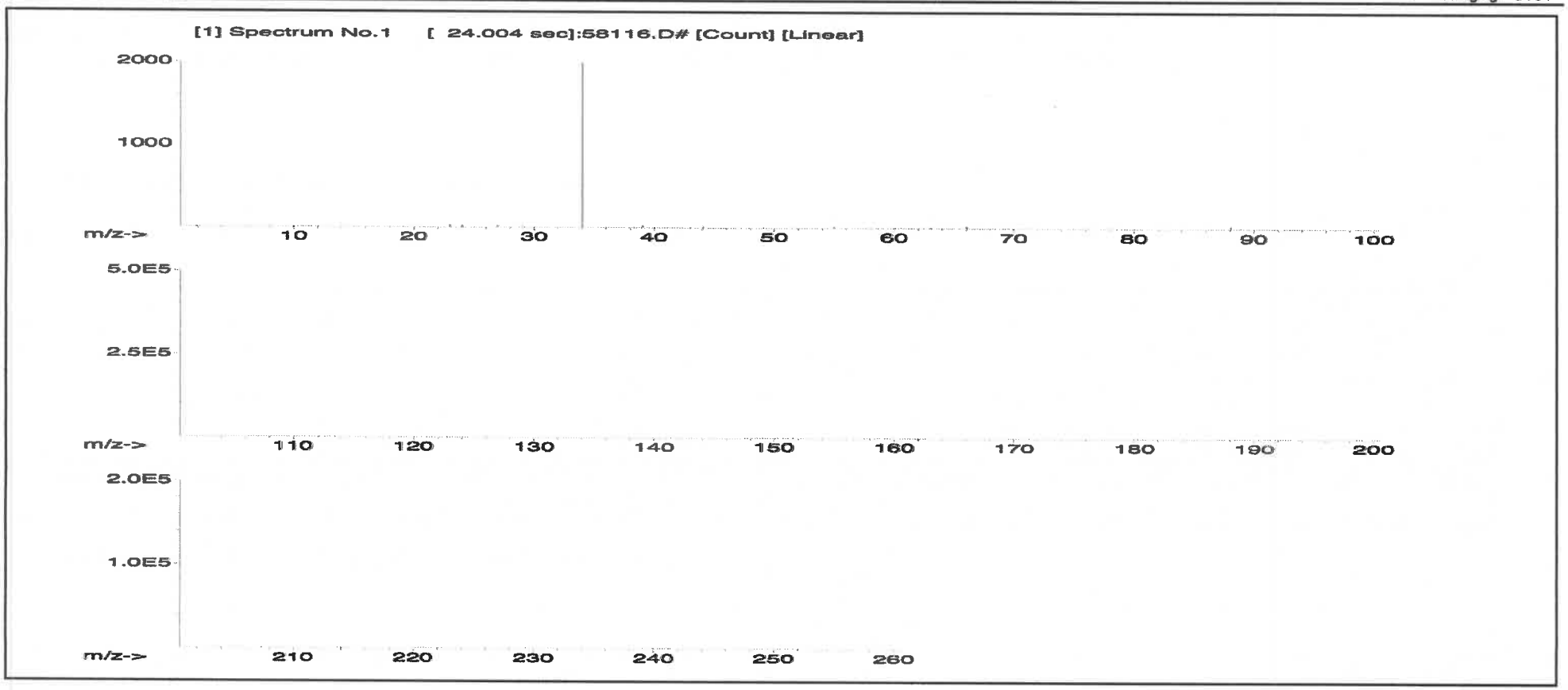
Part Number: 57116
Lot Number: 071123
Description: Sulfur (S)

Lot #
Solvent: 071123 ASTM Type 1 Water

Expiration Date: 071126
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB 5E-05 Balance Uncertainty
Weight shown below was diluted to (mL): 1999.48 0.058 Flask Uncertainty

Formulated By:	Lawrence Barry	071123
Reviewed By:	Pedro L. Rentas	071123

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Ammonium sulfate (S)	IN117	SLBR7225V	10000	99.9	0.10	24.3	82.4675	82.4682	**10000.1**	**20.0**	7783-20-2	NA	ori-rat 4250mg/kg	3181



784

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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785

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

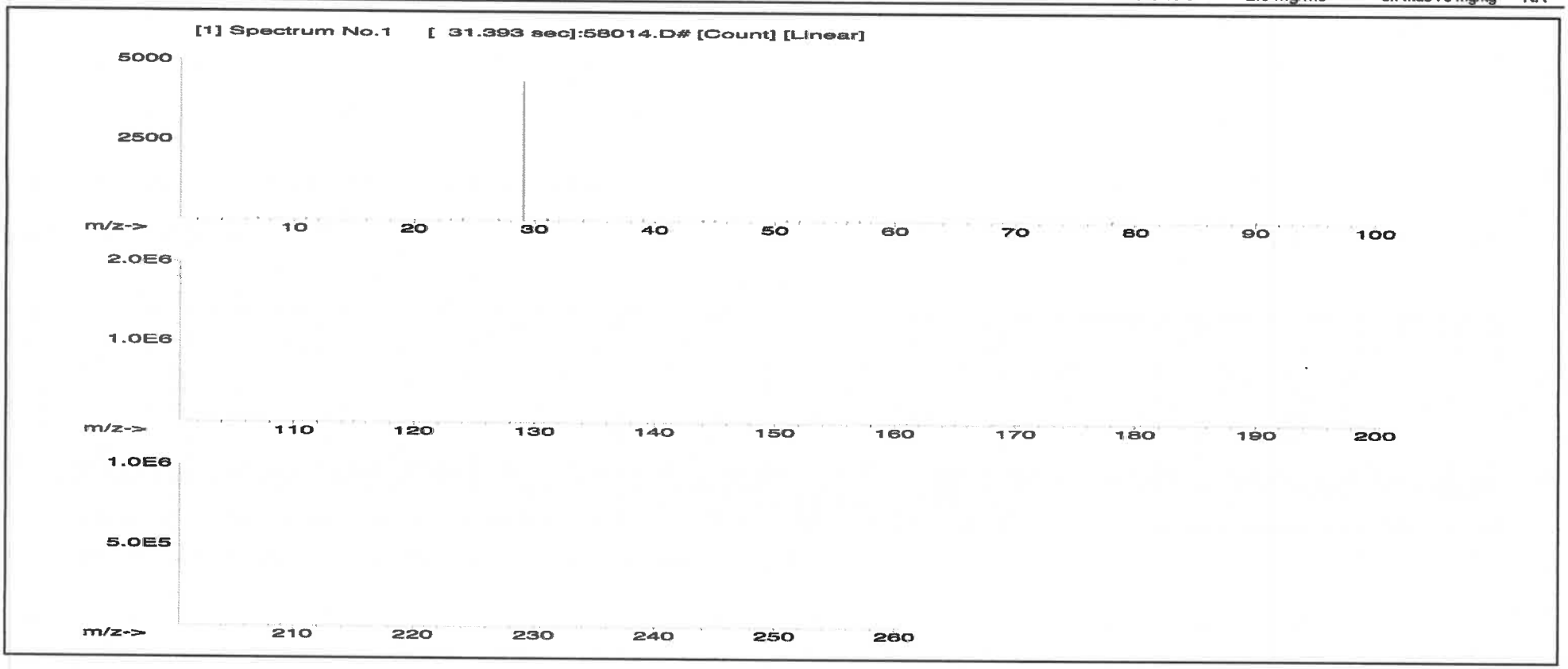
Aleah O'Brady

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



786

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	T	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

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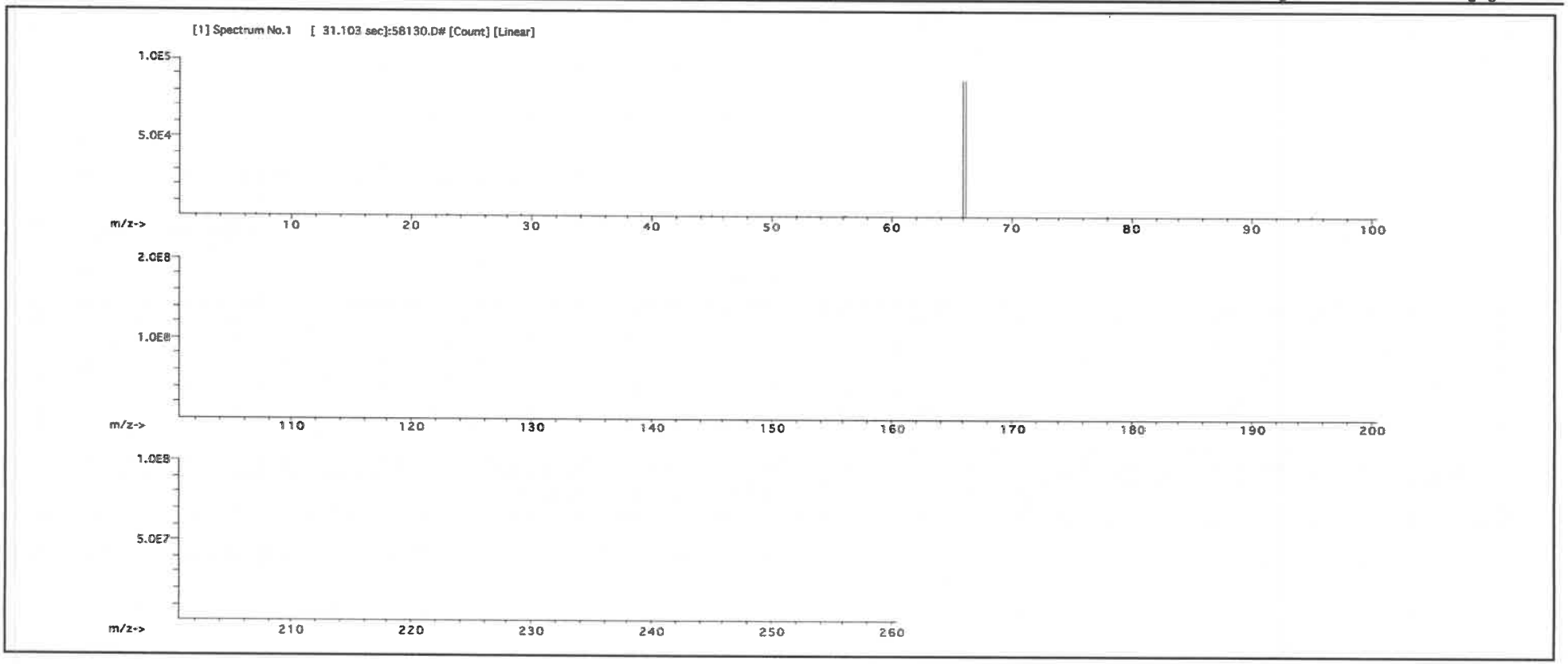
CERTIFIED WEIGHT REPORT:

Part Number:	**58030**			
Lot Number:	**111623**			
Description:	**Zinc (Zn)**			
		Solvent:	24002546	Nitric Acid
		2%	60.0 (mL)	Nitric Acid
Expiration Date:	111626			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Weight shown below was diluted to (mL):	3000.4	0.06	Flask Uncertainty	

Lot #

Formulated By:	Benson Chan	111623
Reviewed By:	Pedro L. Rentas	111623

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Zinc nitrate hexahydrate (Zn)	IN016	ZNE032021A1	1000	99.999	0.10	24.3	12.3475	12.3502	**1000.2**	**2.0**	10196-18-6	1 mg/m3	orl-rat 1190mg/kg	3168



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	T
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
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* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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Certified Reference Material CRM

R: 02/09/24 M5820

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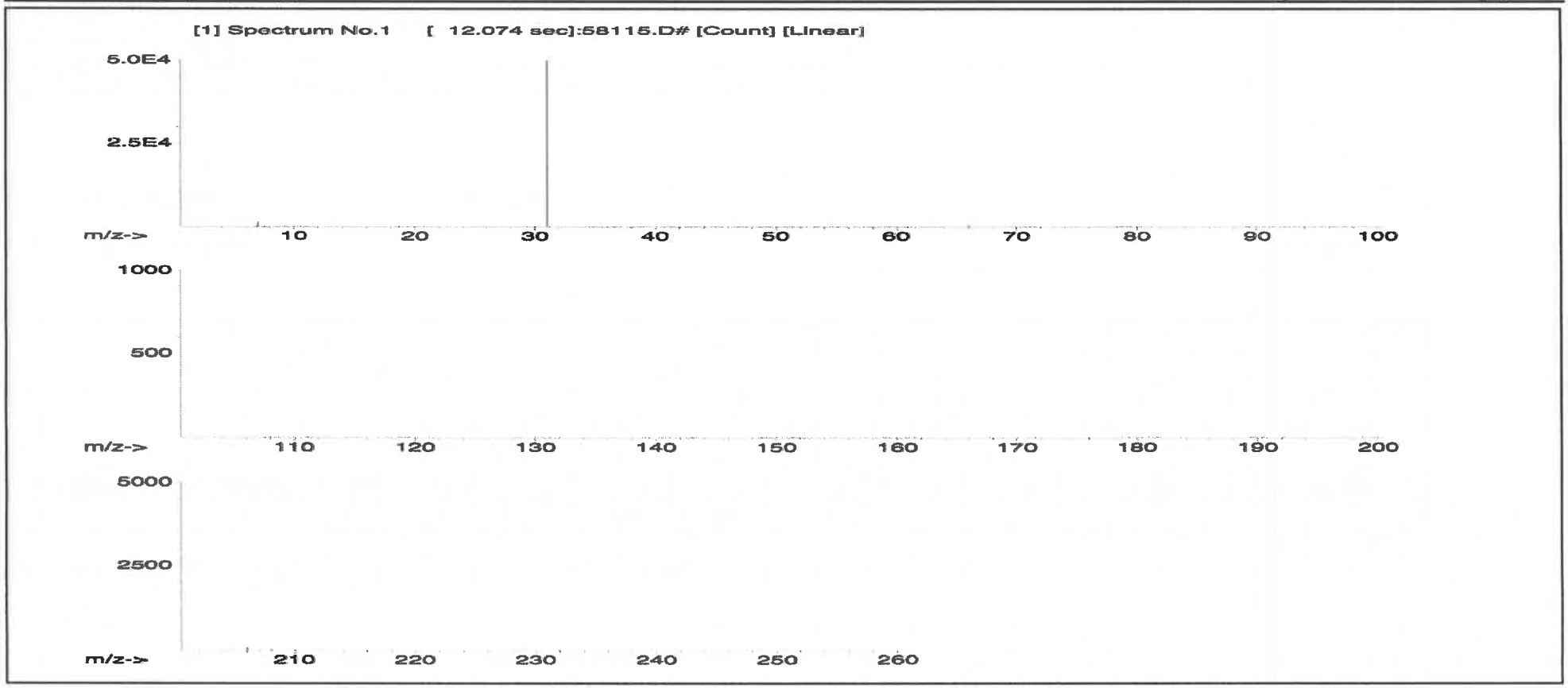
789

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



790

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	T	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* 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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M5961 R: 6/11/24

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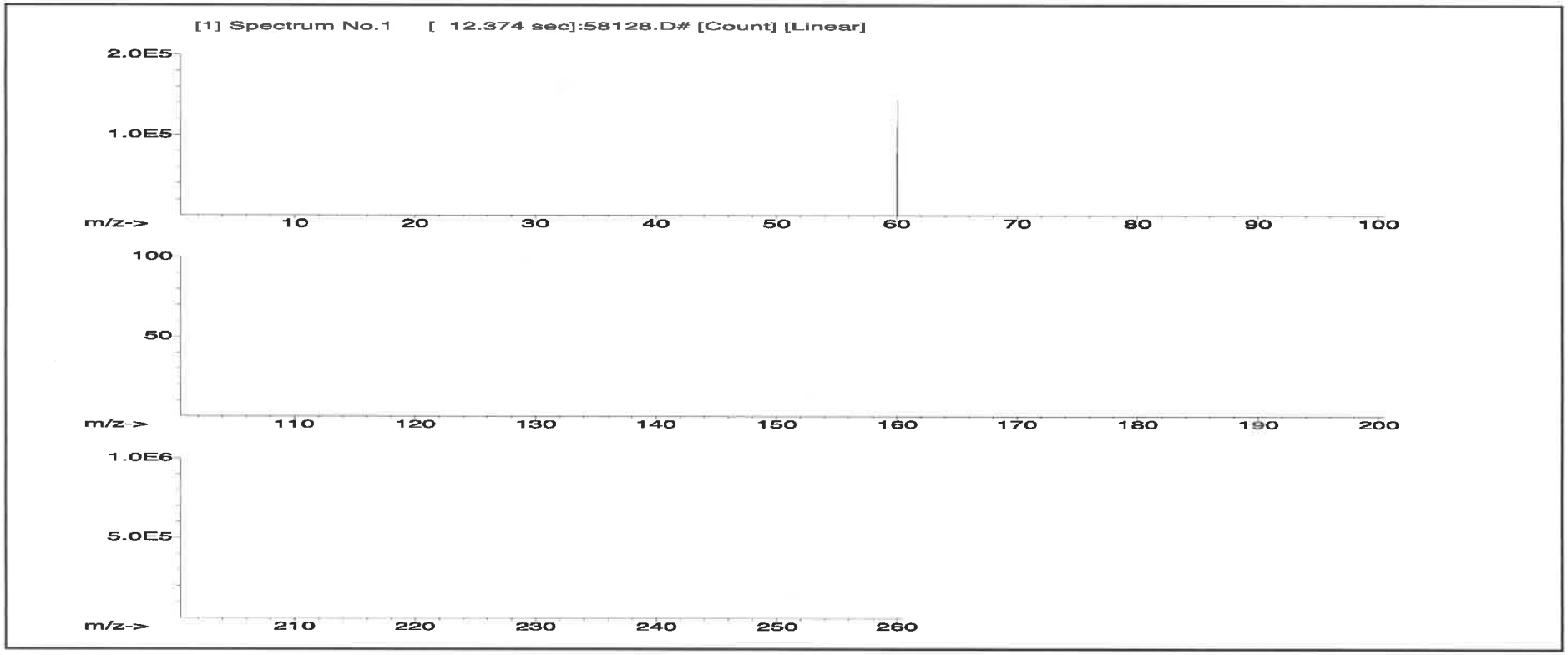
791

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



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	T	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
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Certified Reference Material CRM

M5962 R! 06/14/24.

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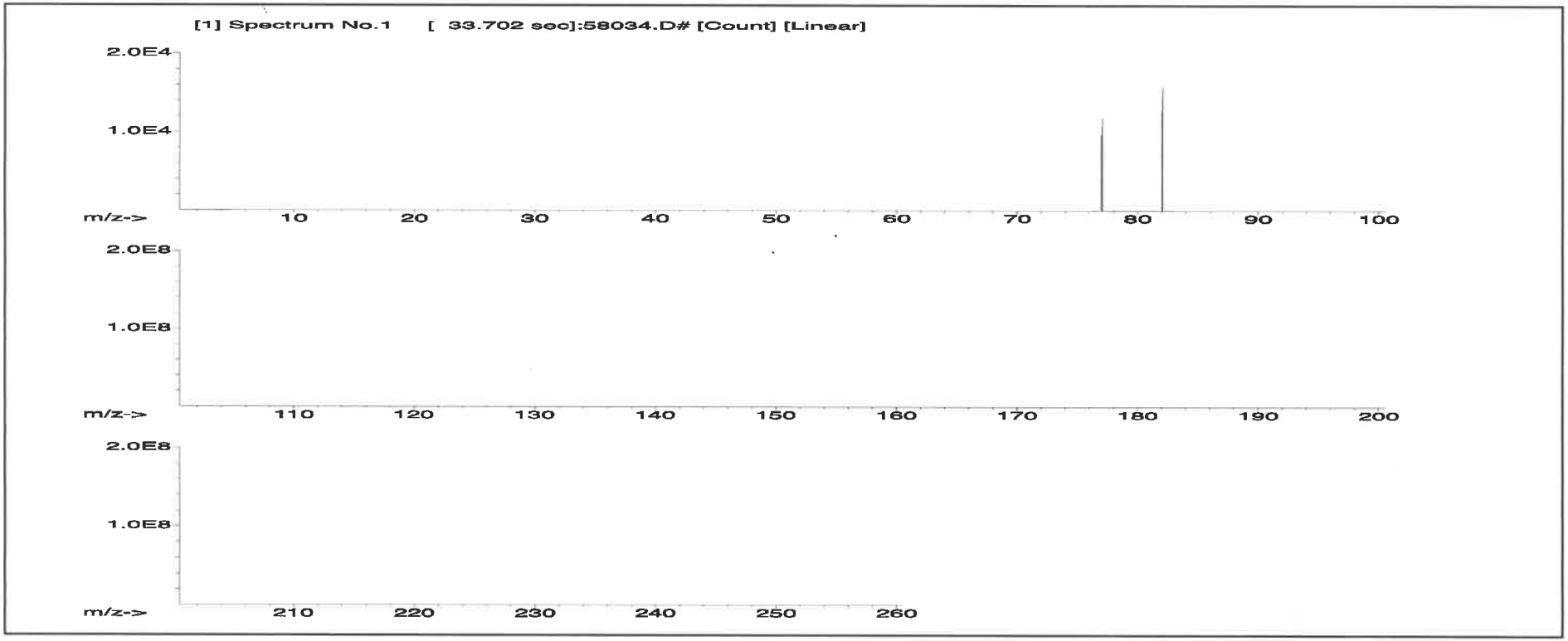
793

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



794

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																		
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	T	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
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1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Single Analyte Custom Grade Solution
Catalog Number:	CGMO1
Lot Number:	T2-MO720876
Matrix:	H2O tr. NH4OH
Value / Analyte(s):	1 000 µg/mL ea: Molybdenum
Starting Material:	Ammonium Molybdate
Starting Material Lot#:	2361
Starting Material Purity:	99.9893%

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 998 ± 7 µg/mL

Density: 1.000 g/mL (measured at 20 ± 4 °C)

Assay Information:

Assay Method #1 **998 ± 4 µg/mL**
ICP Assay NIST SRM 3134 Lot Number: 130418

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance.

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

M	Ag	<	0.000590	M	Eu	<	0.000300	M	Na		0.000879	M	Se	<	0.008000	M	Zn		0.000598
M	Al		0.000563	M	Fe	<	0.006500	M	Nb	<	0.029000	i	Si	<		M	Zr	<	0.001800
M	As	<	0.002100	M	Ga	<	0.000300	i	Nd	<		M	Sm	<	0.000300				
M	Au	<	0.000300	M	Gd	<	0.000300	M	Ni	<	0.008000	M	Sn	<	0.008900				
M	B	<	0.003300	M	Ge	<	0.000300	M	Os	<	0.000590	M	Sr		0.000175				
M	Ba		0.001689	M	Hf	<	0.001800	i	P	<		M	Ta	<	0.004200				
M	Be	<	0.000890	M	Hg	<	0.003300	M	Pb	<	0.000300	M	Tb	<	0.000300				
M	Bi	<	0.000890	M	Ho	<	0.000300	M	Pd	<	0.001800	M	Te	<	0.021000				
O	Ca		0.006334	M	In	<	0.032000	M	Pr	<	0.013000	M	Th	<	0.000300				
O	Cd	<	0.026000	M	Ir	<	0.000300	M	Pt	<	0.000300	O	Tl	<	0.032000				
M	Ce	<	0.008300	M	K		0.130213	M	Rb		0.004575	M	Tl		0.001266				
M	Co		0.000598	M	La	<	0.000300	M	Re	<	0.000300	M	Tm	<	0.000300				
M	Cr		0.000527	O	Li		0.000059	M	Rh	<	0.000300	M	U	<	0.005300				
M	Cs		0.000527	M	Lu	<	0.000300	M	Ru	<	0.079000	M	V	<	0.000890				
M	Cu		0.002252	M	Mg		0.000563	i	S	<		M	W		0.087982				
M	Dy	<	0.000300	M	Mn	<	0.005900	M	Sb		0.001513	M	Y	<	0.000300				
M	Er	<	0.000300	s	Mo	<		M	Sc	<	0.001200	M	Yb	<	0.000300				

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference
n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 95.94 +6 6,7,8,9 [MoO4]-2(chemical form as received)

Chemical Compatibility -Mo is received in a NH4OH matrix giving the operator the option of using HCl or HF to stabilize acidic solutions. The [MoO4]-2 is soluble in concentrated HCl [MoOCl5]-2, dilute HF / HNO3 [MoOF5]-2 and basic media [MoO4]-2. Stable at ppm levels with some metals provided it is fluorinated. Do not mix with Alkaline or Rare Earths when HF is present. Stable with most inorganic anions provided it is in the [MoO4]-2 chemical form.

Stability - 2-100 ppb levels stable (alone or mixed with all other metals that are at comparable levels) as the [MoOF5]-2 for months in 1% HNO3 / LDPE container. 1-10,000 ppm single element solutions as the [MoO4]-2 chemically stable for years in 1% NH4OH in a LDPE container.

Mo Containing Samples (Preparation and Solution) -Metal (Soluble in HF / HNO3 or hot dilute HCl); Oxide (soluble in HF or NH4OH) ; Organic Matrices (Dry ash at 450EC in Pt0 and dissolve oxide with HF or HCl).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	**Estimated D.L.**	**Order**	**Interferences** (underlined indicates severe)
ICP-MS 95 amu	3 ppt	n/a	40Ar39K16O,79Br1 6O,190Os2+,190Pt 2+
ICP-OES 202.030 nm	0.008 / 0.0002 µg/mL	1	Os, Hf
ICP-OES 203.844 nm	0.012 / 0.002 µg/mL	1	
ICP-OES 204.598 nm	0.012 / 0.001 µg/mL	1	Ir, Ta

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

July 17, 2022

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- July 17, 2027

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:

Uyen Truong
Supervisor, Product Documentation



Certificate Approved By:

Michael Booth
Director, Technical



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



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1.0 ACCREDITATION / REGISTRATION

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ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Single Analyte Custom Grade Solution
Catalog Number:	CGTI1
Lot Number:	T2-TI719972
Matrix:	2% (v/v) HNO3 tr. HF
Value / Analyte(s):	1 000 µg/mL ea: Titanium
Starting Material:	Ti Metal
Starting Material Lot#:	2094
Starting Material Purity:	99.9975%

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 1002 ± 5 µg/mL

Density: 1.012 g/mL (measured at 20 ± 4 °C)

Assay Information:

Assay Method #1 **1002 ± 4 µg/mL**
ICP Assay NIST SRM 3162a Lot Number: 130925

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance

$w_i = (1/u_{char\ i}^2) / (\Sigma(1/u_{char\ i}^2))$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\ (u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = (\Sigma(w_i)^2\ (u_{char\ i})^2)^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\ (u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\ (u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

008

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

M	Ag	<	0.000536	M	Eu	<	0.000268	O	Na	<	0.032670	M	Se		0.001204	O	Zn	<	0.003267
O	Al		0.000872	O	Fe		0.003225	O	Nb	<	0.043560	O	Si		0.004735	O	Zr	<	0.043560
M	As	<	0.008586	M	Ga	<	0.000268	M	Nd	<	0.000268	M	Sm	<	0.000268				
M	Au	<	0.004577	M	Gd	<	0.000268	O	Ni	<	0.010890	M	Sn		0.000096				
O	B	<	0.008929	M	Ge	<	0.002146	M	Os	<	0.000269	O	Sr		0.000096				
M	Ba	<	0.002683	M	Hf		0.002161	O	P	<	0.054450	M	Ta		0.010560				
M	Be	<	0.005366	M	Hg	<	0.003231	M	Pb	<	0.001073	M	Tb	<	0.000268				
M	Bi	<	0.001609	M	Ho	<	0.000268	M	Pd	<	0.000268	M	Te	<	0.001341				
O	Ca		0.000676	M	In	<	0.002683	M	Pr	<	0.000268	M	Th	<	0.053663				
M	Cd	<	0.000268	M	Ir	<	0.000269	M	Pt	<	0.000536	s	Ti	<					
M	Ce	<	0.000268	M	K		0.001172	M	Rb	<	0.000268	M	Tl	<	0.000268				
M	Co	<	0.004293	M	La	<	0.000268	M	Re	<	0.000268	M	Tm	<	0.000268				
M	Cr		0.000752	O	Li	<	0.027225	M	Rh	<	0.000268	M	U	<	0.000268				
M	Cs	<	0.000268	M	Lu	<	0.000268	M	Ru	<	0.000269	M	V	<	0.019855				
O	Cu	<	0.010890	O	Mg	<	0.005445	i	S	<		M	W		0.000473				
M	Dy	<	0.000268	O	Mn	<	0.003267	M	Sb	<	0.006976	M	Y	<	0.002146				
M	Er	<	0.000268	M	Mo		0.000774	O	Sc	<	0.004900	M	Yb	<	0.000536				

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference
n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 47.87 +4 6 Ti(F)6-2

Chemical Compatibility - Soluble in concentrated HCl, HF, H3PO4 H2SO4 and HNO3. Avoid neutral to basic media. Unstable at ppm levels with metals that would pull F- away (i.e. Do not mix with Alkaline or Rare Earths or high levels of transition elements unless they are fluorinated). Stable with most inorganic anions with a tendency to hydrolyze forming the hydrated oxide in all dilute acids except HF.

Stability - 2-100 ppb levels stable (Alone or mixed with all other metals) as the Ti(F)6-2 for months in 1% HNO3 / LDPE container. 1-10,000 ppm single element solutions as the Ti(F)6-2 chemically stable for years in 2-5% HNO3 / trace HF in an LDPE container.

Ti Containing Samples (Preparation and Solution) - Metal (Soluble in H2O / HF caution -powder reacts violently); Oxide - low temperature history anatase or rutile (Dissolved by heating in 1:1:1 H2O / HF / H2SO4); Oxide - high temperature history (~800EC) brookite (fuse in Pt0 with K2S2O7); Ores (fuse in Pt0 with KF + K2S2O7 - no KF if silica not present); Organic Matrices (Dry ash at 450EC in Pt0 and dissolve by heating with 1:1:1 H2O / HF / H2SO4 or fuse ash with pyrosulfate if oxide is as plastic pigment and likely in brookite crystalline form).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	Estimated D.L.	Order	Interferences (underlined indicates severe)
ICP-MS 48 amu	14 ppt	N/A	32S16O, 32S14N, 14N16O18O, 14N17N2, 36Ar12C, 48Ca, [96X=2 (where X = Zr, Mo, Ru)]
ICP-OES 323.452 nm	0.0054 / 0.00092 µg/mL	1	Ce, Ar, Ni
ICP-OES 334.941 nm	0.0038 / 0.000028 µg/mL	1	Nb, Ta, Cr, U
ICP-OES 336.121 nm	0.0053 / 0.000034 µg/mL	1	W, Mo, Co

HF Note: This standard should not be prepared or stored in glass.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

June 17, 2022

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- June 17, 2027

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

H5981 R:6/11/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
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CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:		
Part Number:	**57092**	24002546	Nitric Acid		
Lot Number:	**060724**				
Description:	**Uranium (U)**	2.0%	40.0 (mL)	Nitric Acid	
Expiration Date:	060727				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Volume shown below was diluted to (mL):	2000.07	0.100	Flask Uncertainty		

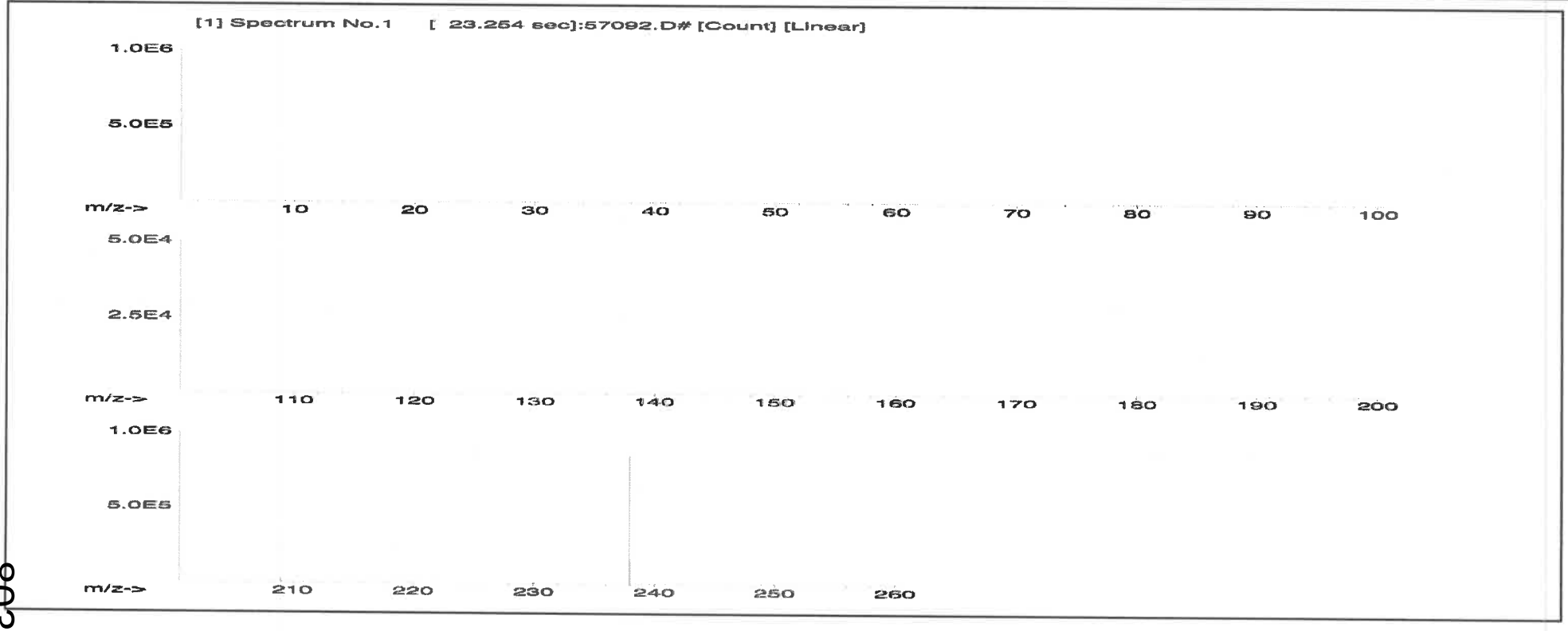
Giovanni Esposito

Formulated By:	Giovanni Esposito	060724

Pedro Rentas

Reviewed By:	Pedro L. Rentas	060724

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Uranyl nitrate hexahydrate (U)	58192	041524	0.1000	200.0	0.084	1000	10001.5	**1000.0**	**2.2**	13520-83-7	0.05 mg/m3	orl-rat 1040 mg/kg	3164



803

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).

804

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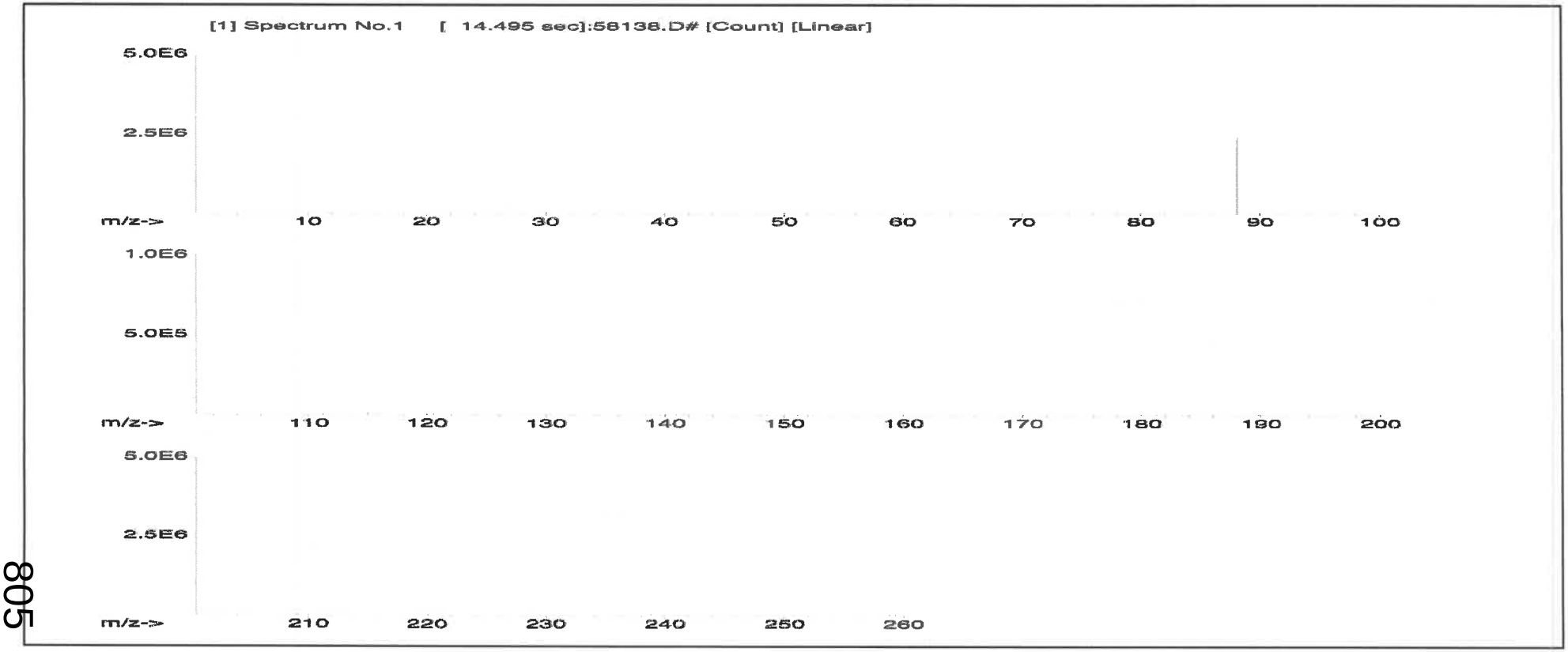
45982 R: 6/11/24

CERTIFIED WEIGHT REPORT:

Part Number:	**57038**			**Lot #**	
Lot Number:	**031524**	**Solvent:**	24002546	Nitric Acid	
Description:	**Strontium (Sr)**				
		2%	40.0 (mL)	Nitric Acid	
Expiration Date:	031527				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.07	0.100	Flask Uncertainty		

Formulated By:	Benson Chan	031524
Reviewed By:	Pedro L. Rentas	031524

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Strontium nitrate (Sr)	IN017	SRZ022018A1	1000	99.997	0.10	41.2	4.85470	4.85502	**1000.1**	**2.0**	10042-76-9	NA	orl-rat >2000mg/kg	3153a



805

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).

908

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Certified Reference Material CRM

M5983 R: 6/11/24

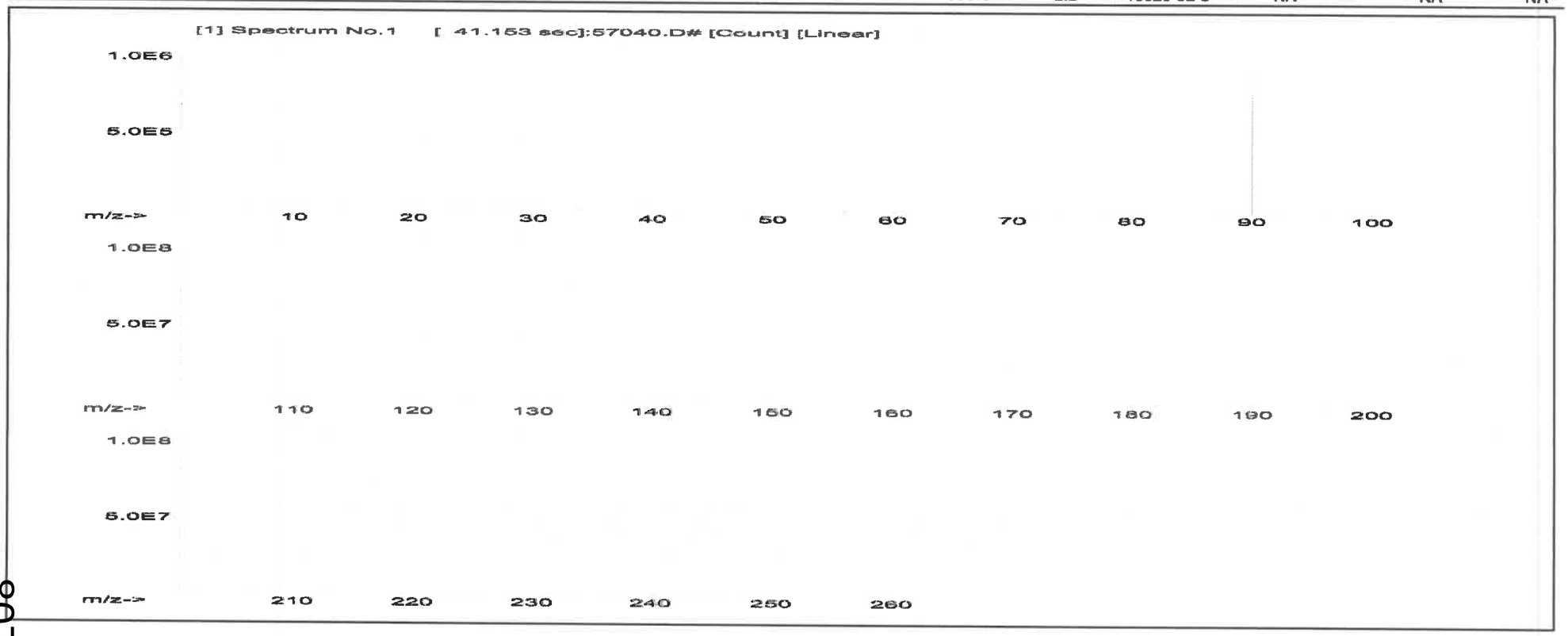
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AR-1539 Certificate Number
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CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:	
Part Number:	**57040**	21110221	Nitric Acid	
Lot Number:	**071423**			
Description:	**Zirconium (Zr)**			
		2.0%	40.0 (mL)	Nitric Acid
Expiration Date:	071426			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Volume shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty	

Formulated By:	Benson Chan	071423
Reviewed By:	Pedro L. Rentas	071423

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Zirconyl chloride octahydrate (Zr)	58140	070621	0.1000	200.0	0.084	1000	10000.3	**1000.0**	**2.2**	13520-92-8	NA	NA	NA



807

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).

808

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Certificate of Analysis

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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
https://Absolutestandards.com

813

CERTIFIED WEIGHT REPORT:

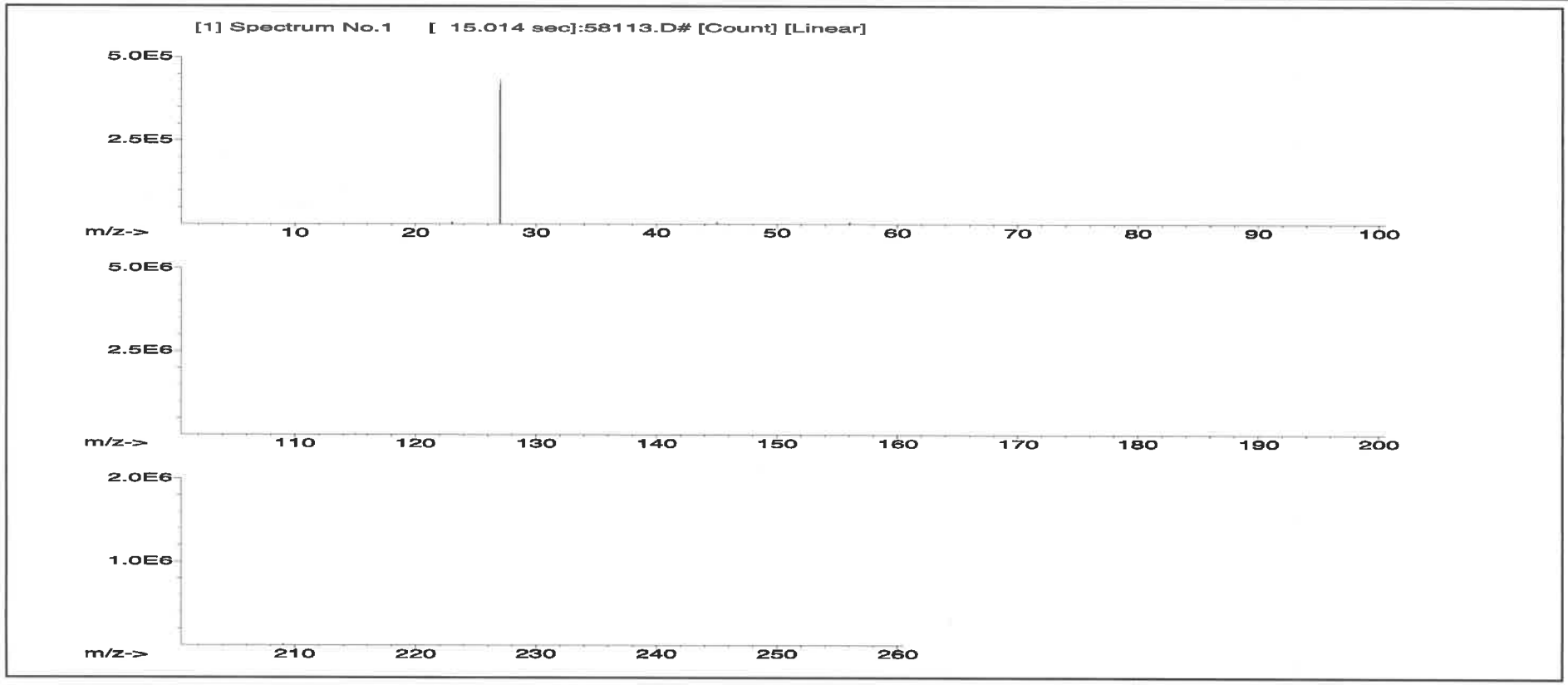
Part Number:	**58113**		**Solvent:**	20510011	Nitric Acid
Lot Number:	**011623**				
Description:	**Aluminum (Al)**				
			2%	40.0 (mL)	Nitric Acid
Expiration Date:	011626				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**10000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty		

Lot #

Giovanni Esposito

Formulated By:	Giovanni Esposito	011623
Reviewed By:	Pedro L. Rentas	011623

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Aluminum nitrate nonahydrate (Al)	IN022	ALM112021A1	10000	99.999	0.10	7.30	273.9779	274.0078	**10001.1**	**20.0**	7784-27-2	2 mg/m3	orl-rat 3671 mg/kg	3101a



INORGANIC VENTURES™
Refine your results. Redefine your industry.

Certificate of Analysis

R 8/19/24, M60055

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	IV-STOCK-12
Lot Number:	U2-MEB734294
Matrix:	5% (v/v) HNO3
Value / Analyte(s):	10 µg/mL ea:

Barium, Beryllium,
Bismuth, Cerium,
Cobalt, Indium,
Lithium, Nickel,
Lead, Uranium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Barium, Ba	10.01 ± 0.04 µg/mL	Beryllium, Be	10.01 ± 0.05 µg/mL
Bismuth, Bi	10.01 ± 0.06 µg/mL	Cerium, Ce	10.01 ± 0.04 µg/mL
Cobalt, Co	10.01 ± 0.05 µg/mL	Indium, In	10.01 ± 0.04 µg/mL
Lead, Pb	10.00 ± 0.04 µg/mL	Lithium, Li	10.01 ± 0.04 µg/mL
Nickel, Ni	10.01 ± 0.04 µg/mL	Uranium, U	10.01 ± 0.05 µg/mL

Density: 1.025 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ba	ICP Assay	3104a	140909
Ba	Calculated		See Sec. 4.2
Ba	Gravimetric		See Sec. 4.2
Be	ICP Assay	3105a	090514
Be	Calculated		See Sec. 4.2
Bi	ICP Assay	3106	180815
Ce	ICP Assay	3110	160830
Ce	EDTA	928	928
Ce	Calculated		See Sec. 4.2
Co	ICP Assay	3113	190630
Co	EDTA	928	928
Co	Calculated		See Sec. 4.2
In	ICP Assay	3124a	110516
In	EDTA	928	928
In	Calculated		See Sec. 4.2
Li	ICP Assay	3129a	100714
Li	Calculated		See Sec. 4.2
Li	Gravimetric		See Sec. 4.2
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
Ni	Calculated		See Sec. 4.2
Pb	ICP Assay	3128	101026
Pb	EDTA	928	928
Pb	Calculated		See Sec. 4.2
U	ICP Assay	traceable to 3164	R2-U689597
U	Calculated		See Sec. 4.2

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Certified Abundance:

IV's Certified Abundance

Isotope	Atom %
Uranium 238U	99.8 ± 0.1
Uranium 235U	0.19 ± 0.05

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

June 21, 2023

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- June 21, 2028

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

R → 10/13/24
Met dig

M 6121

Material No.: 9530-33
Batch No.: 0000275677
Manufactured Date: 2020/12/16
Retest Date: 2025/12/15
Revision No: 1

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
ACS - Specific Gravity at 60°/60°F	1.185 - 1.192	1.190
ACS - Bromide (Br)	<= 0.005 %	< 0.005
ACS - Extractable Organic Substances	<= 5 ppm	1
ACS - Free Chlorine (as Cl_2)	<= 0.5 ppm	< 0.5
Phosphate (PO_4)	<= 0.05 ppm	< 0.03
Sulfate (SO_4)	<= 0.5 ppm	< 0.3
Sulfite (SO_3)	<= 0.8 ppm	0.3
Ammonium (NH_4)	<= 3 ppm	< 1
Trace Impurities - Arsenic (As)	<= 0.010 ppm	< 0.003
Trace Impurities - Aluminum (Al)	<= 10.0 ppb	< 0.2
Arsenic and Antimony (as As)	<= 5 ppb	< 3
Trace Impurities - Barium (Ba)	<= 1.0 ppb	< 0.2
Trace Impurities - Beryllium (Be)	<= 1.0 ppb	< 0.2
Trace Impurities - Bismuth (Bi)	<= 10.0 ppb	< 1.0
Trace Impurities - Boron (B)	<= 20.0 ppb	< 5.0
Trace Impurities - Cadmium (Cd)	<= 1.0 ppb	< 0.3
Trace Impurities - Calcium (Ca)	<= 50.0 ppb	29.7
Trace Impurities - Chromium (Cr)	<= 1.0 ppb	< 0.4
Trace Impurities - Cobalt (Co)	<= 1.0 ppb	< 0.3
Trace Impurities - Copper (Cu)	<= 1.0 ppb	< 0.1
Trace Impurities - Gallium (Ga)	<= 1.0 ppb	< 0.2

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

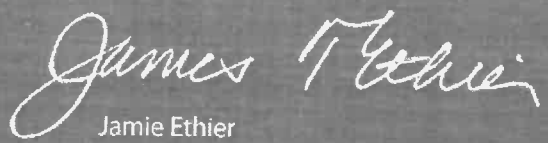
818

Material No.: 9530-33
Batch No.: 0000275677

Test	Specification	Result
Trace Impurities - Germanium (Ge)	<= 3.0 ppb	< 2.0
Trace Impurities - Gold (Au)	<= 4.0 ppb	< 0.2
Heavy Metals (as Pb)	<= 100 ppb	< 50
Trace Impurities - Iron (Fe)	<= 15.0 ppb	<1
Trace Impurities - Lead (Pb)	<= 1.0 ppb	< 0.5
Trace Impurities - Lithium (Li)	<= 1.0 ppb	0.2
Trace Impurities - Magnesium (Mg)	<= 10.0 ppb	0.4
Trace Impurities - Manganese (Mn)	<= 1.0 ppb	< 0.4
Trace Impurities - Mercury (Hg)	<= 0.5 ppb	0.1
Trace Impurities - Molybdenum (Mo)	<= 10.0 ppb	< 5.0
Trace Impurities - Nickel (Ni)	<= 4.0 ppb	< 0.3
Trace Impurities - Niobium (Nb)	<= 1.0 ppb	< 0.2
Trace Impurities - Potassium (K)	<= 9.0 ppb	< 2.0
Trace Impurities - Selenium (Se), For Information Only	ppb	1.0
Trace Impurities - Silicon (Si)	<= 100.0 ppb	< 10.0
Trace Impurities - Silver (Ag)	<= 1.0 ppb	< 0.3
Trace Impurities - Sodium (Na)	<= 100.0 ppb	< 5.0
Trace Impurities - Strontium (Sr)	<= 1.0 ppb	< 0.2
Trace Impurities - Tantalum (Ta)	<= 1.0 ppb	< 0.9
Trace Impurities - Thallium (Tl)	<= 5.0 ppb	< 2.0
Trace Impurities - Tin (Sn)	<= 5.0 ppb	< 0.8
Trace Impurities - Titanium (Ti)	<= 1.0 ppb	0.2
Trace Impurities - Vanadium (V)	<= 1.0 ppb	< 0.2
Trace Impurities - Zinc (Zn)	<= 5.0 ppb	0.3
Trace Impurities - Zirconium (Zr)	<= 1.0 ppb	< 0.1

For Laboratory, Research or Manufacturing Use
Product Information (not specifications):
Appearance (clear, fuming liquid)
Meets ACS Specifications

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC



Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

819

Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

R -> 11/12/24

M6126

Material No.: 9606-03
Batch No.: 24D1062002
Manufactured Date: 2024-03-26
Retest Date: 2029-03-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (HNO_3)	69.0 - 70.0 %	69.7 %
Appearance	Passes Test	Passes Test
Color (APHA)	≤ 10	5
Residue after Ignition	≤ 2 ppm	1 ppm
Chloride (Cl)	≤ 0.08 ppm	< 0.03 ppm
Phosphate (PO_4)	≤ 0.10 ppm	< 0.03 ppm
Sulfate (SO_4)	≤ 0.2 ppm	< 0.2 ppm
Trace Impurities - Aluminum (Al)	≤ 40.0 ppb	< 1.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 2.0 ppb
Trace Impurities - Barium (Ba)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Beryllium (Be)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Bismuth (Bi)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities - Boron (B)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities - Cadmium (Cd)	≤ 50 ppb	< 1 ppb
Trace Impurities - Calcium (Ca)	≤ 50.0 ppb	2.3 ppb
Trace Impurities - Chromium (Cr)	≤ 30.0 ppb	< 1.0 ppb
Trace Impurities - Cobalt (Co)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Copper (Cu)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Gallium (Ga)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Germanium (Ge)	≤ 20 ppb	< 10 ppb
Trace Impurities - Gold (Au)	≤ 20 ppb	< 5 ppb
Heavy Metals (as Pb)	≤ 100 ppb	100 ppb
Trace Impurities - Iron (Fe)	≤ 40.0 ppb	< 1.0 ppb
Trace Impurities - Lead (Pb)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities - Lithium (Li)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Magnesium (Mg)	≤ 20 ppb	< 1 ppb
Trace Impurities - Manganese (Mn)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Nickel (Ni)	≤ 20.0 ppb	< 5.0 ppb

>>> Continued on page 2 >>>

Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

Material No.: 9606-03
Batch No.: 24D1062002

Test	Specification	Result

For Microelectronic Use

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Croak
Director Quality Operations, Bioscience Production

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

822

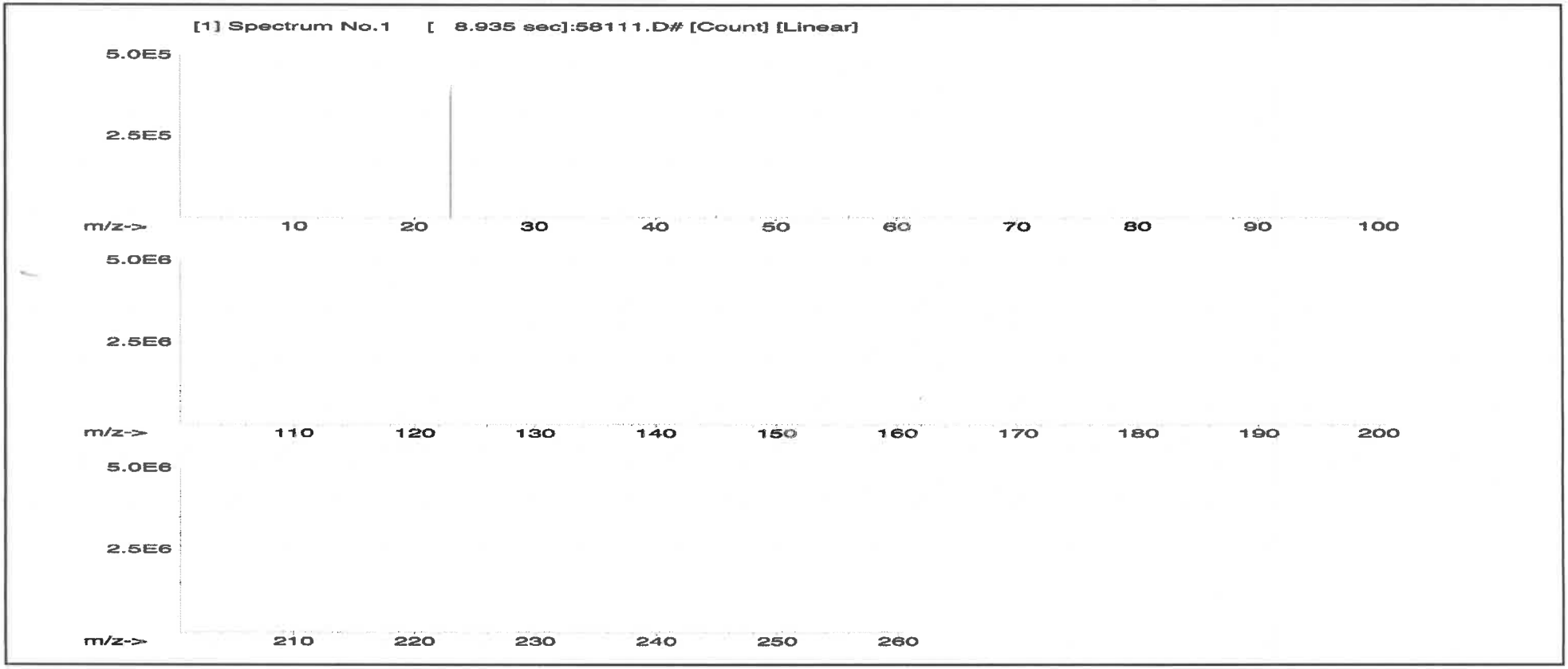
CERTIFIED WEIGHT REPORT:

			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



823

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	T	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:



* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

INORGANIC VENTURES™

Refine your results. Redefine your industry.

A: 4/11/22

Certificate of Analysis

M5738, M5739, M5740, M5741, M5742, M5743

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	6020ISS
Lot Number:	S2-MEB709511
Matrix:	7% (v/v) HNO3
Value / Analyte(s):	10 µg/mL ea:

Bismuth, Holmium,
Indium, 6-Lithium,
Rhodium, Scandium,
Terbium, Yttrium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
6-Lithium, Li6	10.00 ± 0.03 µg/mL	Bismuth, Bi	10.00 ± 0.05 µg/mL
Holmium, Ho	10.00 ± 0.05 µg/mL	Indium, In	10.00 ± 0.04 µg/mL
Rhodium, Rh	10.00 ± 0.07 µg/mL	Scandium, Sc	10.00 ± 0.04 µg/mL
Terbium, Tb	10.00 ± 0.04 µg/mL	Yttrium, Y	10.00 ± 0.04 µg/mL

Density: 1.035 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Bi	ICP Assay	3106	180815
Bi	Calculated		See Sec. 4.2
Ho	ICP Assay	3123a	090408
Ho	EDTA	928	928
In	ICP Assay	3124a	110516
In	EDTA	928	928
In	Calculated		See Sec. 4.2
Li6	Gravimetric		See Sec. 4.2
Rh	ICP Assay	3144	070619
Sc	ICP Assay	3148a	100701
Sc	EDTA	928	928
Tb	ICP Assay	3157a	100518
Tb	EDTA	928	928
Tb	Calculated		See Sec. 4.2
Y	ICP Assay	3167a	120314
Y	EDTA	928	928
Y	Calculated		See Sec. 4.2

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2 (u_{char\ i})^2)]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Certified Abundance:

IV's Certified Abundance

Isotope	Atom %
Lithium Li6	95.6 ± 0.3
Lithium Li7	4.4 ± 0.1

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

September 03, 2021

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- September 03, 2026

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Michael Booth
Director, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



QATS LABORATORY INORGANIC REFERENCE MATERIAL INTERFERENCE CHECK SAMPLE SET FOR ICP-MS (ICSA WITH ICSB)

NOTE: These instructions are for advisory purposes only. If any apparent conflict exists between these instructions and the analytical protocol or your contract, disregard these instructions.

APPLICATION: For use with the CLP SFAM01.0 SOW and revisions.

CAUTION: Read instructions carefully before opening bottle(s) and proceeding with the analyses.

Contains Heavy Metals
HAZARDOUS MATERIAL

Safety Data Sheets
Available Upon Request

(A) *SAMPLE DESCRIPTION*

Enclosed is a set of one (1) or more bottles of an Aqueous Reference Material, each composed of metals at various concentrations and prepared with nitrate salts and oxy-acids of the respective elements in a 5% nitric acid matrix**. For the reference material source in reporting ICSA and ICSAB mixture use "USEPA". For the reference material lot number for the ICSA use "ICSA-0803" and for the ICSAB mixture use "ICSA-0803+ICSB-0803".**

CAUTION: The bottle(s) should be protected from light during storage to ensure the stability of silver which is contained in the ICSB solution. The bottle(s) should be stored at room temperature. **Do not allow the solution(s) to freeze.**

(B) *BREAKAGE OR MISSING ITEMS*

Check the contents of the shipment carefully for any broken, leaking, or missing items. Check that the seal is intact on each bottle. Refer to the enclosed chain of custody record. Report any problems to the Contracting Officer, Ross Miller at miller.ross@epa.gov. If directed by Ross Miller, return the chain of custody record with appropriate annotations and signatures to the address provided below.

QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY
APTIM Federal Services, LLC
2700 Chandler Avenue - Building C
Las Vegas, NV 89120

(C) *ANALYSIS OF SAMPLES*

This interference check sample set is to be used to verify elemental isobaric correction factors of inductively coupled plasma-mass spectrometers (ICP-MS). This reference material set consists of two (2) concentrated solutions. The ICSA solution contains several interferent elements and species; for a complete listing refer to the CLP SOW. The ICSB solution contains the analytes: Ag, As, Sb, Ba, Be, Cd, Co, Cr, Cu, Mn, Ni, Pb, Tl, Se, V, and Zn. This instruction sheet provides the nominal values for the ICP-MS ICS Part A and Part B target analytes when diluted as directed.

Using Class "A" glassware, preparation and analysis must be performed according to the following instructions:

ICSA-0803, Inferferents: Pipet 10 mL of the ICSA solution into a 100 mL volumetric flask and dilute to volume with 1% v/v HNO_3. Analyze this solution by ICP-MS.

ICSB-0803, Analytes, mixed with ICSA-0803, Interferents: Pipet 10 mL of the ICSA solution and 10 mL of the ICSB solution into a 100 mL volumetric flask and dilute to volume with 1% v/v HNO_3. Analyze this ICSAB solution by ICP-MS.

(D) *"CERTIFIED VALUE" CONCENTRATIONS OF QATS ICP-MS ICS SOLUTION(S)*

The "Certified Value" concentrations of the elements, listed in Table 1 below, were derived from statistically pooled analysis results from the following sources, if available: QATS Laboratory, CLP laboratories, Quarterly Blind (QB)/Proficiency Testing (PT) events, CLP pre-award events, and external referee laboratories.

Table 1. "CERTIFIED VALUES" FOR INTERFERENCE CHECK SAMPLE ICP-MS ICSA-0803, AND ICSA-0803 MIXED WITH ICSB-0803

ICSA: M5873

ICSB: M5874

Element	CRQL	Part A (µg/L)	Lower Limit (µg/L)	Upper Limit (µg/L)	Part A +Part B (µg/L)	Lower Limit (µg/L)	Upper Limit (µg/L)
Al	20.0	[100000]			[100000]		
Sb	2.0	(1.5)	-2.5	5.5	(22.0)	18.0	26.0
As	1.0	(0.1)	-1.9	2.1	19.0	16.2	21.9
Ba	10.0	(1.2)	-18.8	21.2	(22.0)	2.0	42.0
Be	1.0	(0)	-2.0	2.0	19.0	16.2	21.9
Cd	1.0	(0.7)	-1.3	2.7	20.0	17.0	23.0
Ca	500	[100000]			[100000]		
C		[200000]			[200000]		
Cl		[1000000]			[1000000]		
Cr	2.0	(21.0)	17.0	25.0	40.0	34.0	46.0
Co	1.0	(1.0)	-1.0	3.0	20.0	17.0	23.0
Cu	2.0	(8.0)	4.0	12.0	(25.0)	21.0	29.0
Fe	200	[100000]			[100000]		
Pb	1.0	(4.0)	2.0	6.0	25.0	21.3	28.8
Mg	500	[100000]			[100000]		
Mn	1.0	(7.0)	5.0	9.0	27.0	23.0	31.1
Mo		[2000]			[2000]		
Ni	1.0	(6.0)	4.0	8.0	24.0	20.4	27.6
P		[100000]			[100000]		
K	500	[100000]			[100000]		
Se	5.0	(0.3)	-9.7	10.3	(19.0)	9.0	29.0
Ag	1.0	(0)	-2.0	2.0	18.0	15.3	20.7
Na	500	[100000]			[100000]		
S		[100000]			[100000]		
Tl	1.0	(0)	-2.0	2.0	21.0	17.9	24.2
Ti		[2000]			[2000]		
V	5.0	(0.5)	-9.5	10.5	(19.0)	9.0	29.0
Zn	5.0	(11.0)	1.0	21.0	(29.0)	19.0	39.0

[ ] Indicates analytes that do not require ICP-MS determination in the ICS.
The acceptance ranges for all analytes in parentheses in the above table were determined using the listed certified value ± 2 times the associated CLP SOW CRQL. The acceptance ranges for all other analytes were determined using the certified value ± 15 percent of the listed certified value.

QATS LABORATORY INORGANIC REFERENCE MATERIAL INTERFERENCE CHECK SAMPLE SET FOR ICP-MS (ICSA WITH ICSB)

NOTE: These instructions are for advisory purposes only. If any apparent conflict exists between these instructions and the analytical protocol or your contract, disregard these instructions.

APPLICATION: For use with the CLP SFAM01.0 SOW and revisions.

CAUTION: Read instructions carefully before opening bottle(s) and proceeding with the analyses.

Contains Heavy Metals
HAZARDOUS MATERIAL

Safety Data Sheets
Available Upon Request

(A) *SAMPLE DESCRIPTION*

Enclosed is a set of one (1) or more bottles of an Aqueous Reference Material, each composed of metals at various concentrations and prepared with nitrate salts and oxy-acids of the respective elements in a 5% nitric acid matrix**. For the reference material source in reporting ICSA and ICSAB mixture use "USEPA". For the reference material lot number for the ICSA use "ICSA-0803" and for the ICSAB mixture use "ICSA-0803+ICSB-0803".**

CAUTION: The bottle(s) should be protected from light during storage to ensure the stability of silver which is contained in the ICSB solution. The bottle(s) should be stored at room temperature. **Do not allow the solution(s) to freeze.**

(B) *BREAKAGE OR MISSING ITEMS*

Check the contents of the shipment carefully for any broken, leaking, or missing items. Check that the seal is intact on each bottle. Refer to the enclosed chain of custody record. Report any problems to the Contracting Officer, Ross Miller at miller.ross@epa.gov. If directed by Ross Miller, return the chain of custody record with appropriate annotations and signatures to the address provided below.

QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY
APTIM Federal Services, LLC
2700 Chandler Avenue - Building C
Las Vegas, NV 89120

(C) *ANALYSIS OF SAMPLES*

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.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

R: 01/03/24 M5802, M5803

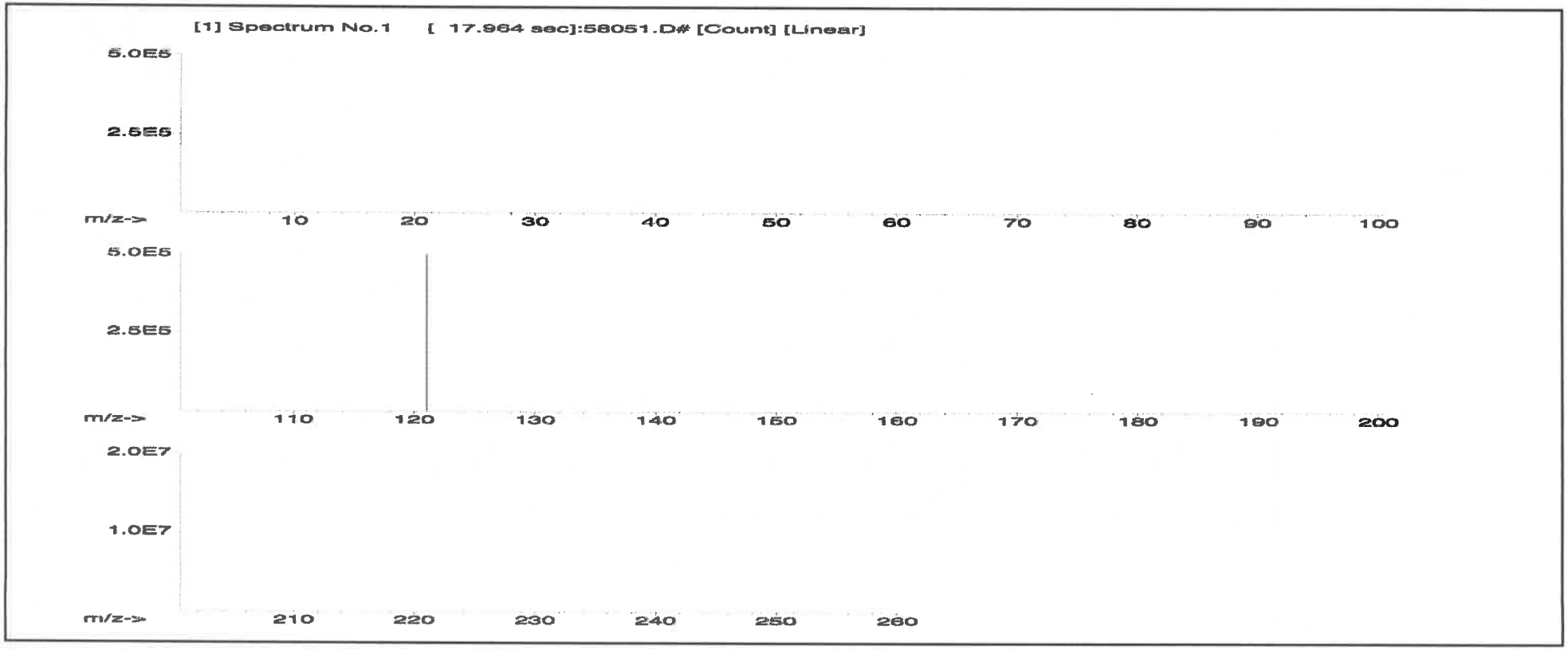
832

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



833

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:

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* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
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* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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M6030

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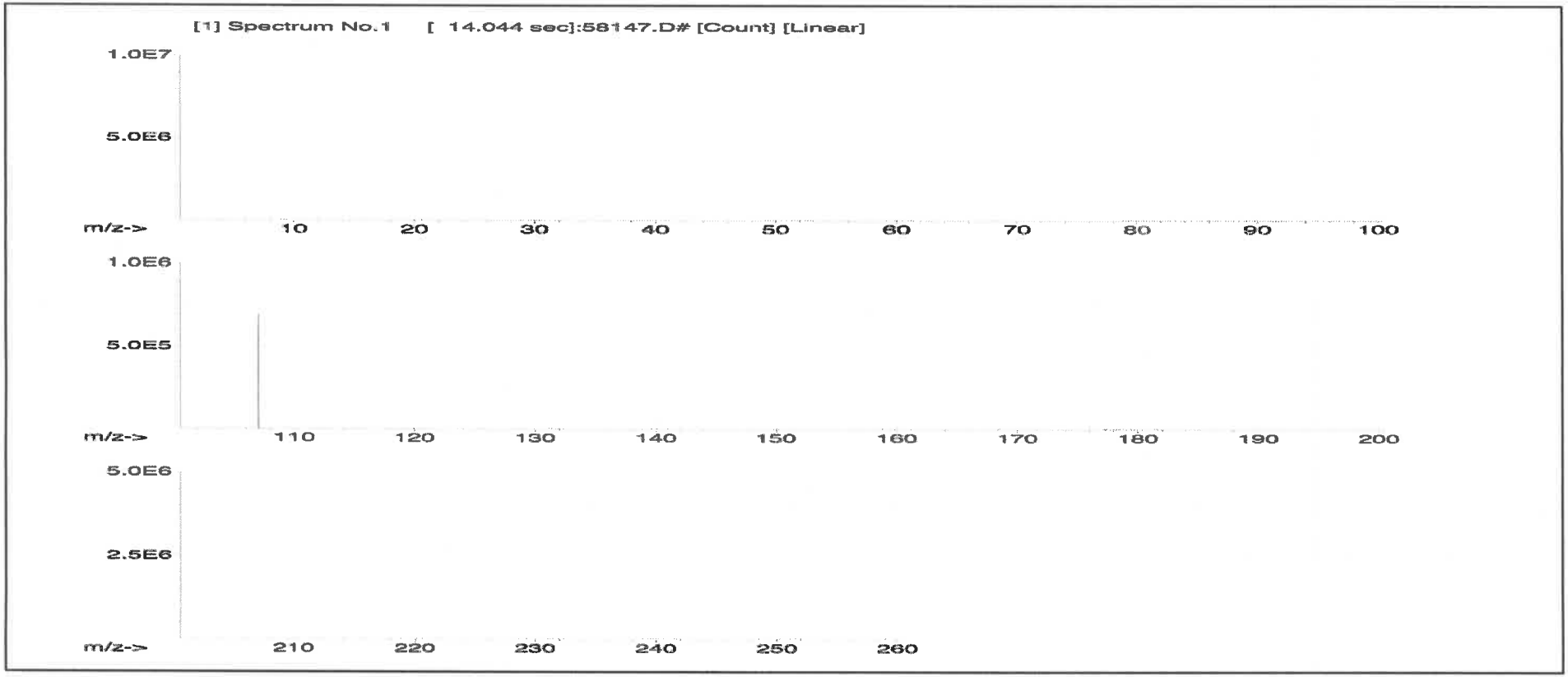
834

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



835

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:

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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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R: 03/16/23 M5473, M5474, M5475, M5476

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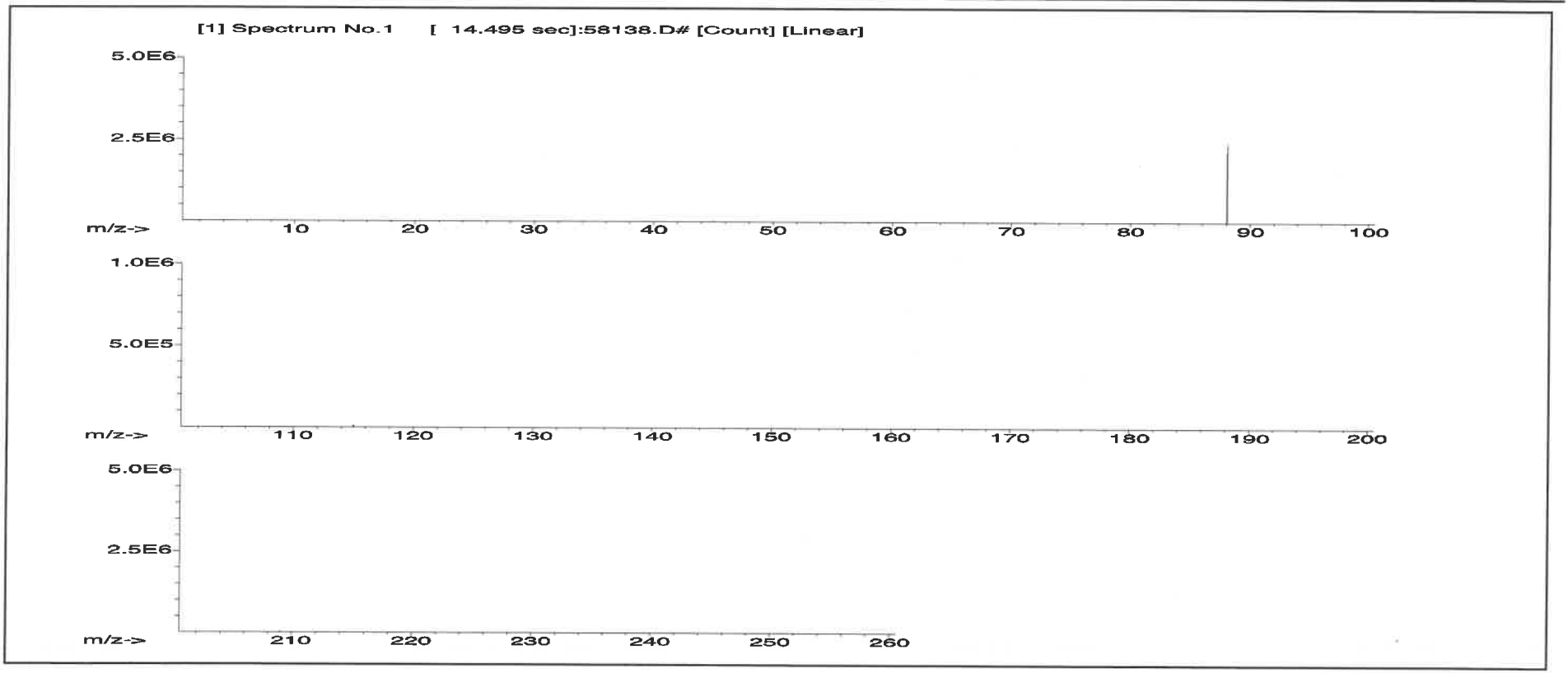
836

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



837

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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838

CERTIFIED WEIGHT REPORT:

Part Number:	**57081**		**Lot #**		
Lot Number:	**062724**	**Solvent:**	24002546	Nitric Acid	
Description:	**Thallium (Tl)**				
		2%	40.0 (mL)	Nitric Acid	
Expiration Date:	062727				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.1	0.10	Flask Uncertainty		

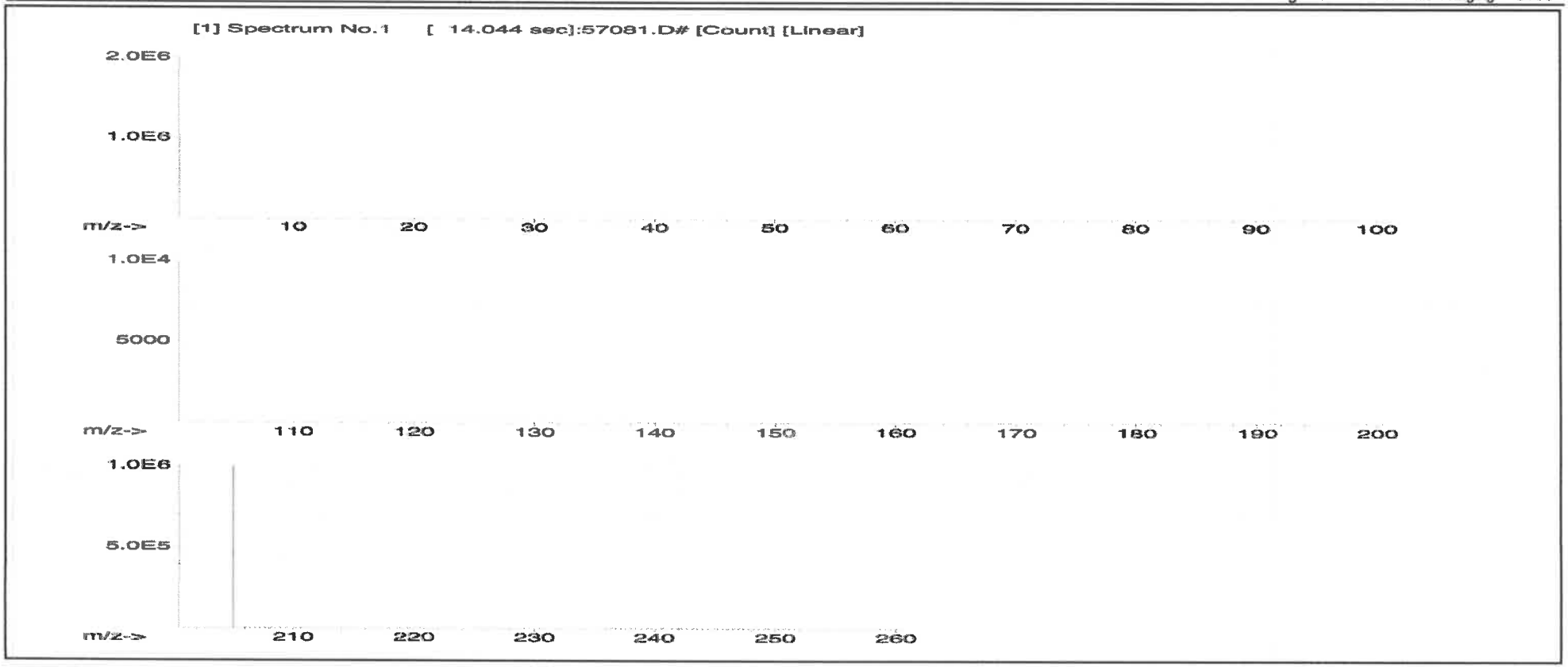
Aleah O'Brady

Formulated By:	Aleah O'Brady	062724

Pedro Rentas

Reviewed By:	Pedro L. Rentas	062724

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Thallium nitrate (Tl)	IN037	BCCF4399	1000	99.999	0.10	77.0	2.5975	2.5977	**1000.1**	**2.0**	10102-45-1	0.1 mg/m3	orl-mus 15mg/kg	3158



839

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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840

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:	
Part Number:	**57023**	24002546	Nitric Acid	
Lot Number:	**062424**			
Description:	**Vanadium (V)**	2.0%	40.0 (mL)	Nitric Acid
Expiration Date:	062427			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Volume shown below was diluted to (mL):	2000.3	0.06	Flask Uncertainty	

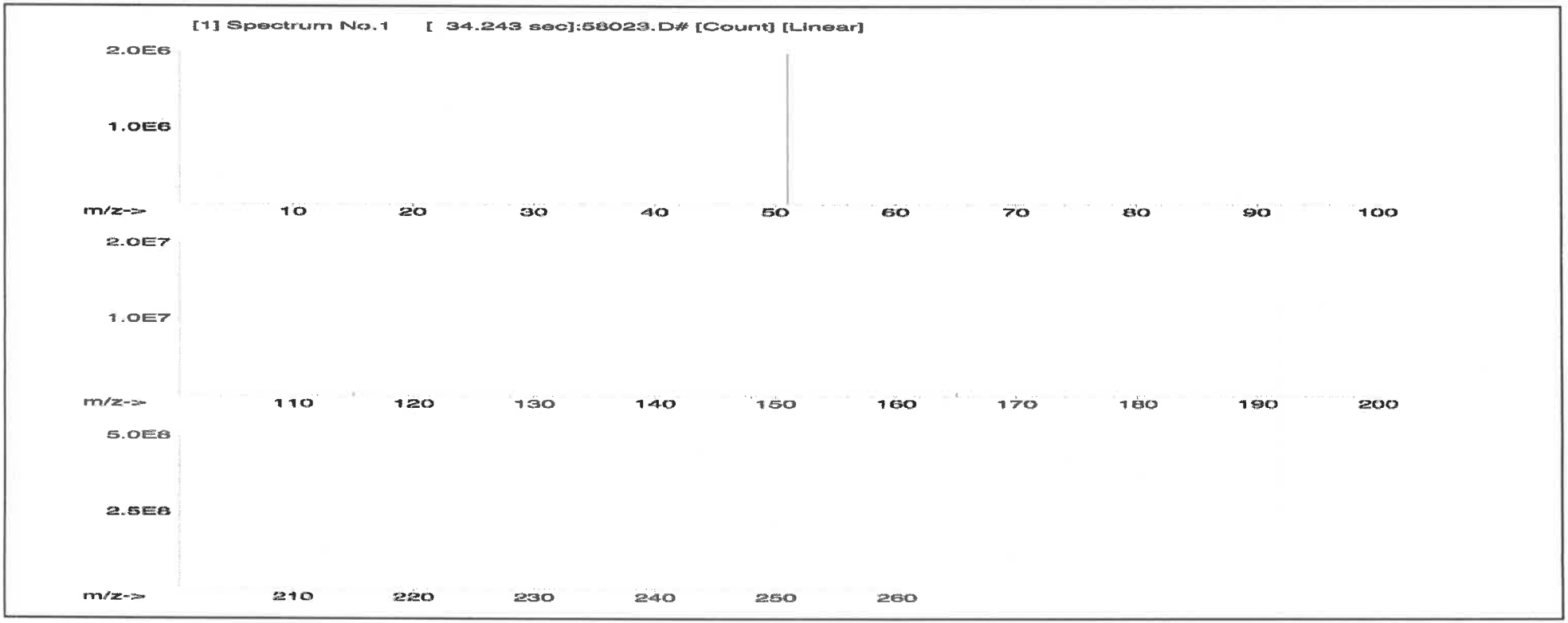
Aleah O'Brady

Formulated By:	Aleah O'Brady	062424

Pedro Rentas

Reviewed By:	Pedro L. Rentas	062424

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Ammonium metavanadate (V)	58123	021224	0.1000	200.0	0.084	1000	10000.3	**1000.0**	**2.2**	7803-55-6	0.05 mg/m3	orl-rat 58.1mg/kg	3165



841

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

Water Metals Preparation Sheet

PB165859

SJ 12/30/24

SOP ID : M200.8-Trace Elements-22, MSFAM01.1-Metals ICPMS-2

SDG No : MJNKK3,MJNKA0,MJNKA1,MJNL27, ME2927 MJNBZ5 **Start Digest Date:** 12/26/2024 **Time :** 11:50 **Temp :** 96 °C

Matrix : WATER **End Digest Date:** 12/26/2024 **Time :** 14:00 **Temp :** 96 °C

Pippete ID: ICP A **Digestion tube ID:** M5595

Balance ID : N/A **Block thermometer ID:** MET-DIG. #1

Filter paper ID : N/A **Dig Technician Signature:** SKJ

pH Strip ID : M6069 **Supervisor Signature:** [signature]

Hood ID : #3 **Temp :** **1.** 96°C **2.** N/A

Block ID: **1.** HOT BLOCK #1 **2.** N/A

Standared Name	MLS USED	STD REF. # FROM LOG
LCSW	0.50	MP83670, MP83802
Spike Sol. B	0.50	MP83671
Spike Sol 1	0.0025	M5976
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
1:1 HNO3	1.00	MP83498
1:1 HCL	050	MP83499
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

HOT BLOCK#1 CELL#55 : 96

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
12/26/24 15:00	SBS / dlys dept.	[signature] Metals Lab
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
P5254-12	MJNLG1	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	1
P5255-07	MJNLC3	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	2
P5347-01	MJNBZ9	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	3
P5347-02	MJNBZ9D	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	4
P5347-03	MJNBZ9S	<2	50	50	Colorless	Colorless	Clear	Clear	MP83671	5
P5347-04	MJNC00	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	6
P5354-01	ME2927	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	7
P5354-02	ME2928	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	8
P5354-03	ME2928D	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	9
P5354-04	ME2928S	<2	50	50	Colorless	Colorless	Clear	Clear	MP83671	10
P5363-14	MJNLE3	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	11
P5363-15	MJNLF9	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	12
P5363-16	MJNLG0	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	13
P5364-20	MJNLC4	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	14
PB165859BL	PBW859	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	15
PB165859BS	LCS859	<2	50	50	Colorless	Colorless	Clear	Clear	MP83670,MP83802	16

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 # LB134112

Review By	Sarabjit Jaswal	Review On	12/30/2024 3:27:20 AM
Supervise By	Mohan Bera	Supervise On	12/30/2024 3:28:46 AM

STD. NAME	STD REF.#
ICAL Standard	MP83619,MP83628,MP83627,MP83625,MP83623,MP83622,MP83621,MP83620,MP83636
ICV Standard	MP83629
CCV Standard	MP83632
ICSA Standard	MP83630,MP83631
CRI Standard	
LCS Standard	MP83781
Chk Standard	MP83635,MP83634

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	TUNE	TUNE002	TUNE	12/27/24 14:06		Jaswal	OK
2	S00	S0	CAL1	12/27/24 14:36		Jaswal	OK
3	S01	S01	CAL2	12/27/24 14:46		Jaswal	OK
4	S02	S02	CAL3	12/27/24 14:49		Jaswal	OK
5	S03	S03	CAL4	12/27/24 14:52		Jaswal	OK
6	S04	S04	CAL5	12/27/24 14:55		Jaswal	OK
7	S05	S05	CAL6	12/27/24 14:58		Jaswal	OK
8	S06	S06	CAL7	12/27/24 15:01		Jaswal	OK
9	S07	S07	CAL8	12/27/24 15:04		Jaswal	OK
10	S08	S08	CAL9	12/27/24 15:07		Jaswal	OK
11	ICV002	ICV002	ICV	12/27/24 15:30	Inst. paused for calibration review	Jaswal	OK
12	ICB002	ICB002	ICB	12/27/24 15:38	Inst. paused for review	Jaswal	OK
13	ICSA002	ICSA002	ICSA	12/27/24 15:42		Jaswal	OK
14	ICSAB002	ICSAB002	ICSAB	12/27/24 15:45		Jaswal	OK
15	CCV011	CCV011	CCV	12/27/24 15:48		Jaswal	OK
16	CCB011	CCB011	CCB	12/27/24 15:51		Jaswal	OK
17	P5306-02DL	OU4-VSL-07-121224	SAM	12/27/24 15:57	Not Use	Jaswal	Not Ok
18	P5306-02DUPDL	OU4-VSL-07-121224	DUP	12/27/24 16:01	Not Use	Jaswal	Not Ok

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Instrument ID: P7

Daily Analysis Runlog For Sequence/QCBatch ID # LB134112

Review By	Sarabjit Jaswal	Review On	12/30/2024 3:27:20 AM
Supervise By	Mohan Bera	Supervise On	12/30/2024 3:28:46 AM

STD. NAME	STD REF.#
ICAL Standard	MP83619,MP83628,MP83627,MP83625,MP83623,MP83622,MP83621,MP83620,MP83636
ICV Standard	MP83629
CCV Standard	MP83632
ICSA Standard	MP83630,MP83631
CRI Standard	
LCS Standard	MP83781
Chk Standard	MP83635,MP83634

19	P5306-02LDL	OU4-VSL-07-121224L	SD	12/27/24 16:04	Not Use	Jaswal	Not Ok
20	P5306-02MSDL	OU4-VSL-07-121224	MS	12/27/24 16:07	Not Use	Jaswal	Not Ok
21	P5306-02MSDDL	OU4-VSL-07-121224	MSD	12/27/24 16:10	Not Use	Jaswal	Not Ok
22	P5306-02ADL	OU4-VSL-07-121224A	PS	12/27/24 16:13	Not Use	Jaswal	Not Ok
23	P5306-08DL	OU4-VSL-10-121224	SAM	12/27/24 16:16	Not Use	Jaswal	Not Ok
24	P5306-10DL	OU4-VSL-11-121224	SAM	12/27/24 16:19	Not Use	Jaswal	Not Ok
25	CCV012	CCV012	CCV	12/27/24 16:23		Jaswal	OK
26	CCB012	CCB012	CCB	12/27/24 16:25		Jaswal	OK
27	PB165821BL	PBS821	MB	12/27/24 16:29		Jaswal	OK
28	PB165821BS	LCS821	LCS	12/27/24 16:32		Jaswal	OK
29	P5255-02A	MJNL72A	PS	12/27/24 16:35	PS For As-0.05-MP83764 - 10ml Sample	Jaswal	OK
30	P5256-01ARE	MJNL92A	PS	12/27/24 16:41	Not Use	Jaswal	Not Ok
31	P5259-04A	ME28X0A	PS	12/27/24 16:44	PS For As-0.034ml mp83764,Sb-0.04ml mp83714 , Cd-0.02ml mp83784 , Se-0.01ml mp83723 , Tl-0.02ml mp83716-10ml Sample	Jaswal	OK
32	P5271-06A	MJNKC7A	PS	12/27/24 16:47	Not Required	Jaswal	Not Ok
33	P5266-04	ME28Y9	SAM	12/27/24 16:50		Jaswal	OK
34	P5266-19	ME28Y9D	DUP	12/27/24 16:53		Jaswal	OK
35	P5266-04L	ME28Y9L	SD	12/27/24 16:57		Jaswal	OK

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Daily Analysis Runlog For Sequence/QCBatch ID # LB134112

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Supervise By	Mohan Bera	Supervise On	12/30/2024 3:28:46 AM

STD. NAME	STD REF.#
ICAL Standard	MP83619,MP83628,MP83627,MP83625,MP83623,MP83622,MP83621,MP83620,MP83636
ICV Standard	MP83629
CCV Standard	MP83632
ICSA Standard	MP83630,MP83631
CRI Standard	
LCS Standard	MP83781
Chk Standard	MP83635,MP83634

36	P5266-20	ME28Y9S	MS	12/27/24 17:00	MS Fail For Sb,As,Cd,Se,Tl,Zn	Jaswal	OK
37	P5266-17	ME2902	SAM	12/27/24 17:03		Jaswal	OK
38	P5266-18	ME2903	SAM	12/27/24 17:06	Cr High	Jaswal	Dilution
39	P5256-01ARE2	MJNL92A	PS	12/27/24 17:09	Not Use	Jaswal	Not Ok
40	P5250-01	MJNBZ1	SAM	12/27/24 17:12		Jaswal	OK
41	P5250-02	MJNBZ3	SAM	12/27/24 17:16		Jaswal	OK
42	P5256-01A	MJNL92A	PS	12/27/24 17:20		Jaswal	Dilution
43	P5250-03	MJNBZ4	SAM	12/27/24 17:23		Jaswal	OK
44	P5250-04	MJNBZ7	SAM	12/27/24 17:26		Jaswal	OK
45	P5250-05	MJNBZ8	SAM	12/27/24 17:29		Jaswal	OK
46	P5250-06	MJNBZ2	SAM	12/27/24 17:33	Not Use	Jaswal	Not Ok
47	P5250-07	MJNBZ2D	DUP	12/27/24 17:36	Not Use	Jaswal	Not Ok
48	P5250-06L	MJNBZ2L	SD	12/27/24 17:39	Not Use	Jaswal	Not Ok
49	P5250-08	MJNBZ2S	MS	12/27/24 17:42	Not Use	Jaswal	Not Ok
50	PB165880BL	PBS880	MB	12/27/24 17:45		Jaswal	OK
51	PB165880BS	LCS880	LCS	12/27/24 17:49		Jaswal	OK
52	PB165859BL	PBW859	MB	12/27/24 17:52	Not Use	Jaswal	Not Ok
53	PB165859BS	LCS859	LCS	12/27/24 17:55	Not Use	Jaswal	Not Ok
54	CCV013	CCV013	CCV	12/27/24 18:01		Jaswal	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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ICAL Standard	MP83619,MP83628,MP83627,MP83625,MP83623,MP83622,MP83621,MP83620,MP83636
ICV Standard	MP83629
CCV Standard	MP83632
ICSA Standard	MP83630,MP83631
CRI Standard	
LCS Standard	MP83781
Chk Standard	MP83635,MP83634

55	CCB013	CCB013	CCB	12/27/24 18:11	Inst. paused for review	Jaswal	OK
56	PB165867BL	PBS867	MB	12/27/24 18:14		Jaswal	OK
57	PB165867BS	LCS867	LCS	12/27/24 18:18		Jaswal	OK
58	PB165866BL	PBS866	MB	12/27/24 18:21		Jaswal	OK
59	PB165866BS	LCS866	LCS	12/27/24 18:24		Jaswal	OK
60	P5347-05	MJNBZ5	SAM	12/27/24 18:28	Not use	Jaswal	Not Ok
61	P5347-06	MJNBZ5D	DUP	12/27/24 18:31	Not use	Jaswal	Not Ok
62	P5347-05L	MJNBZ5L	SD	12/27/24 18:34	Not use	Jaswal	Not Ok
63	P5347-07	MJNBZ5S	MS	12/27/24 18:37	Not use	Jaswal	Not Ok
64	P5364-06	MJNKB1	SAM	12/27/24 18:40	Not Use	Jaswal	Not Ok
65	P5364-07	MJNKB1D	DUP	12/27/24 18:43	Not Use	Jaswal	Not Ok
66	P5364-06L	MJNKB1L	SD	12/27/24 18:46	Not Use	Jaswal	Not Ok
67	P5364-08	MJNKB1S	MS	12/27/24 18:49	Not Use	Jaswal	Not Ok
68	P5352-04	ME2926	SAM	12/27/24 18:52		Jaswal	OK
69	P5352-05	ME2926D	DUP	12/27/24 18:56		Jaswal	OK
70	P5352-04L	ME2926L	SD	12/27/24 18:59		Jaswal	OK
71	P5352-06	ME2926S	MS	12/27/24 19:02	MS Fail For Sb,As,Cd,Se,Tl	Jaswal	OK
72	P5363-06	MJNKA6	SAM	12/27/24 19:05		Jaswal	OK
73	P5363-07	MJNKA6D	DUP	12/27/24 19:08		Jaswal	OK
74	P5363-06L	MJNKA6L	SD	12/27/24 19:11		Jaswal	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Instrument ID: P7

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ICAL Standard	MP83619,MP83628,MP83627,MP83625,MP83623,MP83622,MP83621,MP83620,MP83636
ICV Standard	MP83629
CCV Standard	MP83632
ICSA Standard	MP83630,MP83631
CRI Standard	
LCS Standard	MP83781
Chk Standard	MP83635,MP83634

75	P5363-06RE	MJNKA6	SAM	12/27/24 19:15	Not Use	Jaswal	Not Ok
76	P5347-01	MJNBZ9	SAM	12/27/24 19:18	Not Use	Jaswal	Not Ok
77	CCV014	CCV014	CCV	12/27/24 19:21		Jaswal	OK
78	CCB014	CCB014	CCB	12/27/24 19:24		Jaswal	OK
79	P5347-02	MJNBZ9D	DUP	12/27/24 19:27	Not Use	Jaswal	Not Ok
80	P5347-01L	MJNBZ9L	SD	12/27/24 19:31	Not Use	Jaswal	Not Ok
81	P5347-03	MJNBZ9S	MS	12/27/24 19:34	Not Use	Jaswal	Not Ok
82	P5354-02	ME2928	SAM	12/27/24 19:37		Jaswal	OK
83	P5354-03	ME2928D	DUP	12/27/24 19:40		Jaswal	OK
84	P5354-02L	ME2928L	SD	12/27/24 19:44		Jaswal	OK
85	P5354-04	ME2928S	MS	12/27/24 19:47		Jaswal	OK
86	P5254-12	MJNLG1	SAM	12/27/24 19:50		Jaswal	OK
87	P5255-07	MJNLC3	SAM	12/27/24 19:54		Jaswal	OK
88	P5347-04	MJNC00	SAM	12/27/24 19:57	Not Use	Jaswal	Not Ok
89	P5354-01	ME2927	SAM	12/27/24 20:00		Jaswal	OK
90	P5363-14	MJNLE3	SAM	12/27/24 20:04		Jaswal	OK
91	P5363-15	MJNLF9	SAM	12/27/24 20:07		Jaswal	OK
92	P5363-16	MJNLG0	SAM	12/27/24 20:10		Jaswal	OK
93	P5364-20	MJNLC4	SAM	12/27/24 20:13		Jaswal	OK
94	P5364-01	MJNKA1	SAM	12/27/24 20:17		Jaswal	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

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STD. NAME	STD REF.#
ICAL Standard	MP83619,MP83628,MP83627,MP83625,MP83623,MP83622,MP83621,MP83620,MP83636
ICV Standard	MP83629
CCV Standard	MP83632
ICSA Standard	MP83630,MP83631
CRI Standard	
LCS Standard	MP83781
Chk Standard	MP83635,MP83634

95	P5364-02	MJNKA7	SAM	12/27/24 20:20		Jaswal	OK
96	P5364-03	MJNKA8	SAM	12/27/24 20:23		Jaswal	OK
97	P5364-04	MJNKA9	SAM	12/27/24 20:26		Jaswal	OK
98	P5364-05	MJNKB0	SAM	12/27/24 20:29	As High	Jaswal	Dilution
99	P5364-09	MJNKB2	SAM	12/27/24 20:32	As,Zn High	Jaswal	Dilution
100	P5364-10	MJNKB3	SAM	12/27/24 20:36		Jaswal	OK
101	P5364-11	MJNKB4	SAM	12/27/24 20:39	As,Zn High	Jaswal	Dilution
102	P5364-12	MJNKB5	SAM	12/27/24 20:42		Jaswal	OK
103	P5364-13	MJNKB9	SAM	12/27/24 20:45		Jaswal	OK
104	P5364-14	MJNKC1	SAM	12/27/24 20:49		Jaswal	OK
105	P5364-15	MJNKC2	SAM	12/27/24 20:52		Jaswal	OK
106	CCV015	CCV015	CCV	12/27/24 20:55		Jaswal	OK
107	CCB015	CCB015	CCB	12/27/24 21:06	Inst. paused for review	Jaswal	OK
108	P5364-16	MJNKC3	SAM	12/27/24 21:09		Jaswal	OK
109	P5364-17	MJNKG8	SAM	12/27/24 21:12		Jaswal	OK
110	P5364-18	MJNKH9	SAM	12/27/24 21:15		Jaswal	OK
111	P5364-19	MJNKJ1	SAM	12/27/24 21:19		Jaswal	OK
112	P5352-01	ME2922	SAM	12/27/24 21:22		Jaswal	OK
113	P5352-02	ME2924	SAM	12/27/24 21:25		Jaswal	OK
114	P5352-03	ME2925	SAM	12/27/24 21:28		Jaswal	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

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STD. NAME	STD REF.#
ICAL Standard	MP83619,MP83628,MP83627,MP83625,MP83623,MP83622,MP83621,MP83620,MP83636
ICV Standard	MP83629
CCV Standard	MP83632
ICSA Standard	MP83630,MP83631
CRI Standard	
LCS Standard	MP83781
Chk Standard	MP83635,MP83634

115	P5363-01	MJNKA0	SAM	12/27/24 21:32		Jaswal	OK
116	P5363-02	MJNKA2	SAM	12/27/24 21:35	As High	Jaswal	Dilution
117	P5363-08	MJNKA6S	MS	12/27/24 21:38		Jaswal	OK
118	P5363-03	MJNKA3	SAM	12/27/24 21:41	As High	Jaswal	Dilution
119	P5363-04	MJNKA4	SAM	12/27/24 21:44	As High	Jaswal	Dilution
120	P5363-05	MJNKA5	SAM	12/27/24 21:47	As,Pb,Zn High , INT_STD 209Bi (1) Fail	Jaswal	Dilution
121	P5363-09	MJNKB6	SAM	12/27/24 21:50	As,Pb,Zn High	Jaswal	Dilution
122	P5363-10	MJNKC4	SAM	12/27/24 21:53		Jaswal	OK
123	P5363-11	MJNKG9	SAM	12/27/24 21:56		Jaswal	OK
124	P5363-12	MJNKH0	SAM	12/27/24 21:59		Jaswal	OK
125	P5363-13	MJNKJ0	SAM	12/27/24 22:02		Jaswal	OK
126	CCV016	CCV016	CCV	12/27/24 22:32		Jaswal	OK
127	CCB016	CCB016	CCB	12/27/24 22:35		Jaswal	OK
128	P5364-06ARE	MJNKB1A	PS	12/27/24 22:41	not Use	Jaswal	Not Ok
129	P5266-04ARE	ME28Y9A	PS	12/27/24 22:43	not Use	Jaswal	Not Ok
130	P5352-04ARE	ME2926A	PS	12/27/24 22:47	not Use	Jaswal	Not Ok
131	P5347-05ARE	MJNBZ5A	PS	12/27/24 22:50	not Use	Jaswal	Not Ok
132	P5250-06ARE	MJNBZ2A	PS	12/27/24 22:53	not Use	Jaswal	Not Ok
133	P5364-06ARE2	MJNKB1A	PS	12/27/24 22:56	not Use	Jaswal	Not Ok

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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STD. NAME	STD REF.#
ICAL Standard	MP83619,MP83628,MP83627,MP83625,MP83623,MP83622,MP83621,MP83620,MP83636
ICV Standard	MP83629
CCV Standard	MP83632
ICSA Standard	MP83630,MP83631
CRI Standard	
LCS Standard	MP83781
Chk Standard	MP83635,MP83634

134	CCV017	CCV017	CCV	12/27/24 23:44		Jaswal	OK
135	CCB017	CCB017	CCB	12/27/24 23:47		Jaswal	OK
136	P5266-18DL	ME2903	SAM	12/27/24 23:51	2X For Cr	Jaswal	Confirms
137	P5364-06DL	MJNKB1	SAM	12/27/24 23:54	Not Use	Jaswal	Not Ok
138	P5364-07DL	MJNKB1D	DUP	12/27/24 23:57	Not Use	Jaswal	Not Ok
139	P5364-06LDL	MJNKB1L	SD	12/28/24	Not Use	Jaswal	Not Ok
140	P5364-08DL	MJNKB1S	MS	12/28/24 00:03	Not Use	Jaswal	Not Ok
141	P5364-06DL2	MJNKB1	SAM	12/28/24 00:06	Not Use	Jaswal	Not Ok
142	P5364-07DL2	MJNKB1D	DUP	12/28/24 00:09	Not Use	Jaswal	Not Ok
143	P5364-06LDL2	MJNKB1L	SD	12/28/24 00:12	Not Use	Jaswal	Not Ok
144	P5364-08DL2	MJNKB1S	MS	12/28/24 00:16	Not Use	Jaswal	Not Ok
145	P5364-06DL3	MJNKB1	SAM	12/28/24 00:19	Not Use	Jaswal	Not Ok
146	P5364-07DL3	MJNKB1D	DUP	12/28/24 00:22	Not Use	Jaswal	Not Ok
147	P5364-06LDL3	MJNKB1L	SD	12/28/24 00:25	Not Use	Jaswal	Not Ok
148	P5364-08DL3	MJNKB1S	MS	12/28/24 00:28	Not Use	Jaswal	Not Ok
149	P5364-05DL	MJNKB0	SAM	12/28/24 00:32	2X For As	Jaswal	Confirms
150	P5364-09DL	MJNKB2	SAM	12/28/24 00:35	5X For As,Zn , Still As High	Jaswal	Dilution
151	P5364-09DL2	MJNKB2	SAM	12/28/24 00:38	20X for As	Jaswal	Confirms
152	P5364-11DL	MJNKB4	SAM	12/28/24 00:41	2X For As,Zn , Still As High	Jaswal	Dilution
153	P5364-11DL2	MJNKB4	SAM	12/28/24 00:44	Not Use	Jaswal	Not Ok

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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STD. NAME	STD REF.#
ICAL Standard	MP83619,MP83628,MP83627,MP83625,MP83623,MP83622,MP83621,MP83620,MP83636
ICV Standard	MP83629
CCV Standard	MP83632
ICSA Standard	MP83630,MP83631
CRI Standard	
LCS Standard	MP83781
Chk Standard	MP83635,MP83634

154	P5364-11DL3	MJNKB4	SAM	12/28/24 00:47	10X For As	Jaswal	Confirms
155	P5363-02DL	MJNKA2	SAM	12/28/24 00:50	Not Use	Jaswal	Not Ok
156	P5363-02DL2	MJNKA2	SAM	12/28/24 00:54	5X For As	Jaswal	Confirms
157	P5363-03DL	MJNKA3	SAM	12/28/24 00:57	5X For As	Jaswal	Confirms
158	CCV018	CCV018	CCV	12/28/24 01:00		Jaswal	OK
159	CCB018	CCB018	CCB	12/28/24 01:03		Jaswal	OK
160	P5363-04DL	MJNKA4	SAM	12/28/24 01:06	Not Use	Jaswal	Not Ok
161	P5363-04DL2	MJNKA4	SAM	12/28/24 01:09	5X For As	Jaswal	Confirms
162	P5363-05DL	MJNKA5	SAM	12/28/24 01:12	2X for Int_std 209Bi , Still high	Jaswal	Dilution
163	P5363-05DL2	MJNKA5	SAM	12/28/24 01:15	10X For As,Pb,Zn , Still As High	Jaswal	Dilution
164	P5363-05DL3	MJNKA5	SAM	12/28/24 01:18	25X For As	Jaswal	Confirms
165	P5363-09DL	MJNKB6	SAM	12/28/24 01:22	2X For As,Pb,Zn , Still As,Zn High	Jaswal	Dilution
166	P5363-09DL2	MJNKB6	SAM	12/28/24 01:25	5X For As,Zn, Still As High	Jaswal	Dilution
167	P5363-09DL3	MJNKB6	SAM	12/28/24 01:28	Not Use	Jaswal	Not Ok
168	P5363-09DL4	MJNKB6	SAM	12/28/24 01:31	25X For As	Jaswal	Confirms
169	P5364-06A	MJNKB1A	PS	12/28/24 01:34	Not Required	Jaswal	Not Ok

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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ICV Standard	MP83629
CCV Standard	MP83632
ICSA Standard	MP83630,MP83631
CRI Standard	
LCS Standard	MP83781
Chk Standard	MP83635,MP83634

170	P5266-04A	ME28Y9A	PS	12/28/24 01:37	PS For Sb,As,Cd,Se,Tl,Zn(0.0004 ml mp83835,0.029ml mp83764,0.025ml mp83784,0.01ml mp83723,0.02ml mp83716,0.0042ml m5819-10ml sample)	Jaswal	OK
171	P5352-04A	ME2926A	PS	12/28/24 01:40	PS For Sb,As,Cd,Se,Tl(0.0004ml mp83835,0.033ml mp83764,0.02ml mp83784,0.01ml mp83723,0.02ml mp83716-10ml sample)	Jaswal	OK
172	P5347-05A	MJNBZ5A	PS	12/28/24 01:43	Not use	Jaswal	Not Ok
173	P5250-06A	MJNBZ2A	PS	12/28/24 01:47	Not Use	Jaswal	OK
174	CCV019	CCV019	CCV	12/28/24 01:50		Jaswal	OK
175	CCB019	CCB019	CCB	12/28/24 01:53		Jaswal	OK

EPA SAMPLE NO.

ME2927

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51847 MA No. : SDG No.: ME2927

Matrix: Water Lab Sample ID: P5354-01

% Solids: Date Received: 12/19/2024

Analytical Method: Hg

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

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7439-97-6	Mercury	0.20	U	01/02/2025	1432

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

Comments:

EPA SAMPLE NO.

ME2928

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51847 MA No. : SDG No.: ME2927

Matrix: Water Lab Sample ID: P5354-02

% Solids: Date Received: 12/19/2024

Analytical Method: Hg

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

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7439-97-6	Mercury	0.20	U	01/02/2025	1434

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

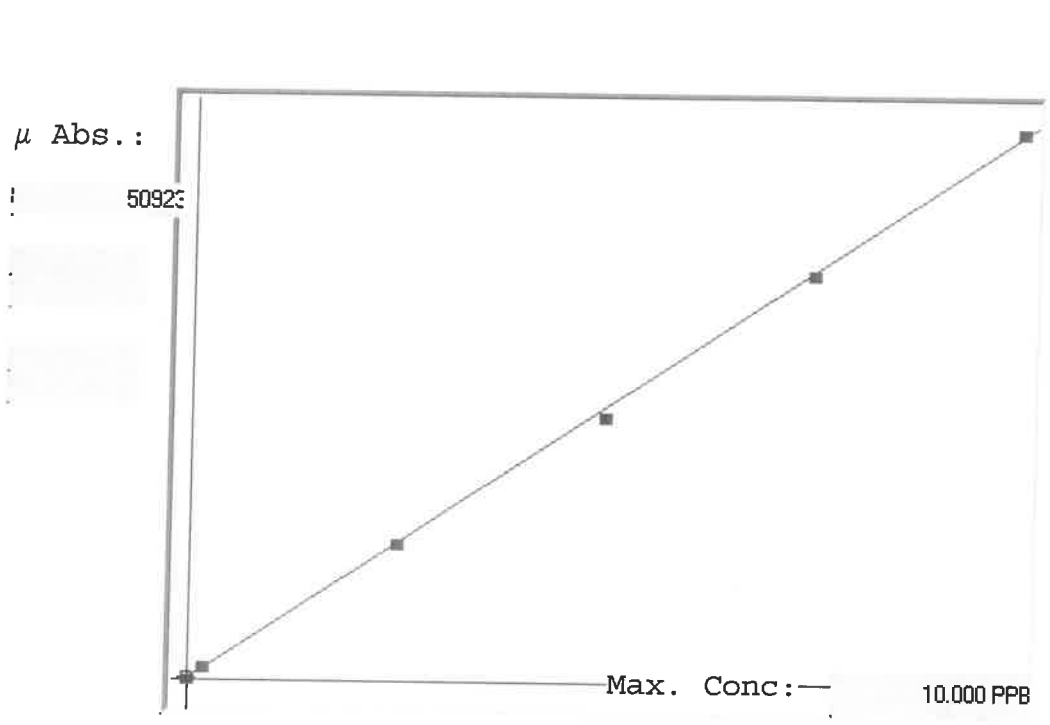
Comments:

Reviewed By:mohan
On:1/2/2025 10:58:15 PM
Inst Id :CV1

LB134147

SFAM01.1

INSTRUMENT ID: CV1



A= 0.0000e+000

B= 1.9840e-004 slope

C= -2.4278e-002 y-intercept

Rho= 0.9998018

Accept= Accepted

Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	% D
0.00	0.000	0.033	0.033	288	0.000	288	0				=
0.05	0.050					442	0				22
0.20	0.200	0.243	0.043	1349	0.0 %	1349					0
2.50	2.500	2.509	0.009	12769	0.0 %	12769					-3
5.00	5.000	4.848	-0.152	24560	0.0 %	24560					0
7.50	7.500	7.488	-0.012	37864	0.0 %	37864					1
10.0	10.000	10.079	0.079	50923	0.0 %	50923					

Reviewed By:mohan
On:1/2/2025 10:58:15 PM
Inst Id :CV1

LB134147

INSTRUMENT ID : CV1

Sample ID	Extended ID	µ Abs.	Conc.		Stnd Conc	Method	Units	Date	Type
0	S0	288	-		0	SFAM01.1	PPB	1/2/2025 13:48	Std
0.2	S01	1349	-		0.2	SFAM01.1	PPB	1/2/2025 13:50	Std
2.5	S02	12769	-		2.5	SFAM01.1	PPB	1/2/2025 13:52	Std
5	S03	24560	-		5	SFAM01.1	PPB	1/2/2025 13:55	Std
7.5	S04	37864	-		7.5	SFAM01.1	PPB	1/2/2025 13:57	Std
10	S05	50923	-		10	SFAM01.1	PPB	1/2/2025 14:06	Std
ICV040	ICV040	19947	3.9331	-		SFAM01.1	PPB	1/2/2025 14:12	SMPL
ICB040	ICB040	132	0.0019	-		SFAM01.1	PPB	1/2/2025 14:14	SMPL
CCV094	CCV094	24381	4.8128	-		SFAM01.1	PPB	1/2/2025 14:16	SMPL
CCB094	CCB094	50	-0.0144	-		SFAM01.1	PPB	1/2/2025 14:19	SMPL
PB165943BL	PBW943	59	-0.0126	-		SFAM01.1	PPB	1/2/2025 14:21	SMPL
P5347-01	MJNBZ9	233	0.0219	-		SFAM01.1	PPB	1/2/2025 14:23	SMPL
P5347-04	MJNC00	132	0.0019	-		SFAM01.1	PPB	1/2/2025 14:25	SMPL
P5347-08	MJNC00D	53	-0.0138	-		SFAM01.1	PPB	1/2/2025 14:28	SMPL
P5347-09	MJNC00S	4948	0.9574	-		SFAM01.1	PPB	1/2/2025 14:30	SMPL
P5354-01	ME2927	25	-0.0193	-		SFAM01.1	PPB	1/2/2025 14:32	SMPL
P5354-02	ME2928	46	-0.0152	-		SFAM01.1	PPB	1/2/2025 14:34	SMPL
P5354-03	ME2928D	42	-0.0159	-		SFAM01.1	PPB	1/2/2025 14:37	SMPL
P5354-04	ME2928S	4702	0.9086	-		SFAM01.1	PPB	1/2/2025 14:39	SMPL
CCV095	CCV095	23695	4.6767	-		SFAM01.1	PPB	1/2/2025 14:41	SMPL
CCB095	CCB095	98	-0.0048	-		SFAM01.1	PPB	1/2/2025 14:44	SMPL

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Prep Standard - Chemical Standard Summary

Order ID : P5354

Test : Mercury

Prepbatch ID : PB165943,

Sequence ID/Qc Batch ID: LB134147,

Standard ID :
MP83691,MP83692,MP83693,MP83694,MP83837,MP83838,MP83839,MP83840,MP83841,MP83842,MP83843,MP83845,MP838465,MP83847,MP83848,MP83852,

Chemical ID :
M4371,M4465,M4916,M5062,M5532,M5882,M5884,M6041,M6121,M6126,W3112,

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Fax : 908 789 8922

Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3965	2:1 H2SO4 : HNO3	MP83691	12/18/2024	06/03/2025	Mohan Bera	None	None	Sarabjit Jaswal 12/18/2024

FROM 1600.00000ml of M6041 + 800.00000ml of M6126 = Final Quantity: 3200.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
65	POTASSIUM PERMANGANATE SOLUTION 5 %	MP83692	12/18/2024	06/18/2025	Mohan Bera	METALS_SCALE_3 (M SC-3)	None	Sarabjit Jaswal 12/18/2024

FROM 100.00000gram of M4916 + 2000.00000ml of W3112 = Final Quantity: 2000.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
66	POTASSIUM PERSULFATE SOLUTION 5 %	MP83693	12/18/2024	06/18/2025	Mohan Bera	METALS_SCALE_3 (M SC-3)	None	Sarabjit Jaswal 12/18/2024

FROM 100.00000ml of M4465 + 2000.00000ml of W3112 = Final Quantity: 2000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
67	SODIUM CHLORIDE - HYDROXYL- CHLORIDE SOLUTION	MP83694	12/18/2024	06/18/2025	Mohan Bera	METALS_SCALE_3 (M SC-3)	None	Sarabjit Jaswal 12/18/2024

FROM 2000.00000ml of W3112 + 240.00000gram of M4371 + 240.00000gram of M5884 = Final Quantity: 2000.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
871	MERCURY INTERMEDIATE B 250PPB WORKING STD.	MP83837	01/02/2025	01/03/2025	Mohan Bera	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 01/02/2025

FROM 1.00000ml of M6126 + 2.50000ml of M5062 + 96.50000ml of W3112 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1340	Hg 0.00 PPB STD	MP83838	01/02/2025	01/03/2025	Mohan Bera	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 01/02/2025

FROM 2.50000ml of M6126 + 247.50000ml of W3112 = 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
1341	Hg 0.2 PPB STD	MP83839	01/02/2025	01/03/2025	Mohan Bera	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 01/02/2025

FROM 2.50000ml of M6126 + 247.30000ml of W3112 + 0.20000ml of MP83837 = Final Quantity: 250.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1342	Hg 2.5 PPB STD	MP83840	01/02/2025	01/03/2025	Mohan Bera	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 01/02/2025

FROM 2.50000ml of M6126 + 245.00000ml of W3112 + 2.50000ml of MP83837 = 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
1343	Hg 5.0 PPB STD	MP83841	01/02/2025	01/03/2025	Mohan Bera	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 01/02/2025

FROM 2.50000ml of M6126 + 242.50000ml of W3112 + 5.00000ml of MP83837 = Final Quantity: 250.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1344	Hg 7.5 PPB STD	MP83842	01/02/2025	01/03/2025	Mohan Bera	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 01/02/2025

FROM 2.50000ml of M6126 + 240.00000ml of W3112 + 7.50000ml of MP83837 = 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
1345	Hg 10.0 PPB STD	MP83843	01/02/2025	01/03/2025	Mohan Bera	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 01/02/2025

FROM 2.50000ml of M6126 + 237.50000ml of W3112 + 10.00000ml of MP83837 = Final Quantity: 250.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1346	Hg ICV SOLUTION	MP83845	01/02/2025	01/03/2025	Mohan Bera	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 01/02/2025

FROM 2.50000ml of M5532 + 2.50000ml of M6126 + 245.00000ml of W3112 = 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
1358	CCV (Hg 5.0 PPB SOLUTION)	MP83847	01/02/2025	01/03/2025	Mohan Bera	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 01/02/2025

FROM 485.00000ml of W3112 + 5.00000ml of M6126 + 10.00000ml of MP83837 = Final Quantity: 500.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1352	CCB (Hg 0.00 PPB SOLUTION)	MP83848	01/02/2025	01/03/2025	Mohan Bera	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 01/02/2025

FROM 495.00000ml of W3112 + 5.00000ml of M6126 = Final Quantity: 500.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
68	STANNOUS CHLORIDE SOLUTION	MP83852	01/02/2025	01/03/2025	Mohan Bera	METALS_SCALE_3 (M SC-3)	None	Sarabjit Jaswal 01/02/2025

FROM 450.00000ml of W3112 + 50.00000gram of M5882 + 50.00000ml of M6121 = Final Quantity: 500.000 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 #
Seidler Chemical	BA-2196-01 / Hydroxylamine Hydrochloride, Crystal (cs/4x500g)	0000215387	06/25/2025	07/01/2019 / RICHARD	06/07/2019 / RICHARD	M4371

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3238-05 / Potassium Persulfate (2.5kg)	0000234156	08/06/2025	07/23/2019 / jaswal	07/25/2019 / manojkumar	M4465

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3227-05 / Potassium Permanganate (2.5kg)	210800	03/31/2026	11/30/2022 / mohan	07/28/2021 / mohan	M4916

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	MSHG-10PPM / MERCURY HCl 125mL 10ug/mL	S2-HG709270	09/22/2026	05/28/2022 / mohan	01/27/2022 / mohan	M5062

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
EPA	ICV-5 / ICV (HG) STOCK SOLN	ICV5-0415	02/28/2025	01/02/2025 / jaswal	03/30/2023 / mohan	M5532

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3980-01 / Stannous Chloride (cs/4x500g)	232820	08/31/2028	04/30/2024 / mohan	04/25/2024 / mohan	M5882

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3624-05 / Sodium Chloride, Crystal (cs/4x2.5kg)	0000281938	07/06/2026	04/30/2024 / mohan	04/25/2024 / mohan	M5884

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	23D2462010	03/20/2028	08/16/2024 / mohan	08/16/2024 / mohan	M6041

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)	0000275677	05/13/2025	11/13/2024 / Eman	10/13/2024 / Eman	M6121

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9598-34 / Nitric Acid, Instra-Analyzed (cs/4x2.5L)	24D1062002	06/03/2025	12/03/2024 / Janvi	11/12/2024 / Janvi	M6126

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

Certificate of Analysis

ThermoFisher SCIENTIFIC

M5882 M3

Certificate of Analysis

1 Reagent Lane
Fair Lawn, NJ 07410
201.796.7100 tel
201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	T142	Quality Test / Release Date	08/17/2023
Lot Number	232820		
Description	STANNOUS CHLORIDE, DIHYDRATE CERTIFIED ACS (Suitable for Mercury Determination)		
Country of Origin	United States	Suggested Retest Date	Aug/2028
Chemical Origin	Inorganic-non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear crystals
ASSAY	%	Inclusive Between 98 - 103	100.65
CALCIUM	%	<= 0.005	0.0017
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
IRON (Fe)	%	<= 0.003	0.0011
LEAD (Pb)	%	<= 0.01	0.0006
MERCURY (Hg)	ppm	<= 0.05	<0.05
POTASSIUM (K)	%	<= 0.005	0.0001
SODIUM (Na)	%	<= 0.01	<0.01
SOLUBILITY IN HCL	PASS/FAIL	= PASS TEST	PASS TEST
SULFATE (SO4)	PASS/FAIL	= P.T. (ABOUT 0.003%)	P.T. (ABOUT 0.003%)

Harout Sahagian - Quality Control Supervisor - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.
*Based on suggested storage condition.

M4371

Hydroxylamine Hydrochloride, Crystal
BAKER ANALYZED® A.C.S. Reagent
Suitable for Mercury Determination
(hydroxylammonium chloride)

Rec – 06.07.19

J.T.Baker® | avantor™

Material No.: 2196-01
Batch No.: 0000215387
Manufactured Date: 2018/06/27
Retest Date: 2025/06/25
Revision No: 1

Certificate of Analysis

Meets ACS Reagent Chemical Requirements,

Test	Specification	Result
Assay ($NH_2OH \cdot HCl$) (by $KMnO_4$ titrn)	>= 96.0 %	99.1
Clarity of Alcohol Solution	Passes Test	PT
Residue after Ignition	<= 0.050 %	0.017
Titrable Free Acid (meq/g)	<= 0.25	0.19
Ammonium (NH_4)	Passes Test	PT
Sulfur Compounds (as SO_4)	<= 0.005 %	< 0.003
Trace Impurities - ACS - Heavy Metals (as Pb)	<= 5 ppm	4
Trace Impurities - Iron (Fe)	<= 5 ppm	< 3
Trace Impurities - Mercury (Hg)	<= 0.050 ppm	< 0.005

For Laboratory, Research or Manufacturing Use

Country of Origin: CN
Packaging Site: Paris Mfg Ctr & DC

ISO
Phillipsburg, NJ 9001:2015, FSSC22000
Paris, KY 9001:2008
Mexico City, Mexico 9001:2008
Gliwice, Poland 9001:2015, 13485:2012
Selangor, Malaysia 9001:2008
Dehradun, India, 9001:2008, 14001:2004, 13485:2003
Mumbai, India, 9001:2015, 17025:2005
Panoli, India 9001:2015

James Ethier
Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

870

ThermoFisher SCIENTIFIC

M4913-16

MB

Certificate of Analysis

1 Reagent Lane
Fair Lawn, NJ 07410
201.796.7100 tel
201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120632

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Catalog Number	P279	Quality Test / Release Date	01/12/2021
Lot Number	210306		
Description	POTASSIUM PERMANGANATE, A.C.S.		
Country of Origin	United States	Suggested Retest Date	Jan/2026

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Dark purple to purple green crystals
ASSAY	%	>= 99	99.3
CHLORIDE & CHLORATE	%	<= 0.005	<0.005
IDENTIFICATION	PASS/FAIL	= PASS TEST	pass test
INSOLUBLE MATTER	%	<= 0.2	<0.2
MERCURY (Hg)	ppm	<= 0.05	<0.004
SULFATE (SO4)	%	<= 0.02	<0.02

Julian Burton

Julian Burton - Quality Control Manager – Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.
*Based on suggested storage condition.

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Certificate of Analysis

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inorganicventures.com

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F: 540-585-3012
info@inorganicventures.com

M5062
M5063
M3

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 Mass Spec Solution
Catalog Number:	MSHG-10PPM
Lot Number:	S2-HG709270
Matrix:	10% (v/v) HCl
Value / Analyte(s):	10 µg/mL ea: Mercury
Starting Material:	Hg metal
Starting Material Lot#:	1959
Starting Material Purity:	99.9994%

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 10.001 ± 0.053 µg/mL

Density: 1.020 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Hg	ICP Assay	3133	160921
Hg	EDTA	928	928
Hg	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.

$$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$$

$$\text{CRM/RM Expanded Uncertainty } (\pm) = U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$$

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

$$\text{CRM/RM Expanded Uncertainty } (\pm) = U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$$

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

872

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.

O	Ag		0.000011	M	Eu	<	0.000201	O	Na		0.000004	M	Se	<	0.015915	O	Zn	<	0.001510
O	Al		0.000001	O	Fe		0.000001	M	Nb	<	0.000201	O	Si		0.000005	M	Zr	<	0.000201
M	As	<	0.000402	M	Ga	<	0.000201	M	Nd	<	0.000201	M	Sm	<	0.000201				
M	Au	<	0.003631	M	Gd	<	0.000201	M	Ni	<	0.000402	M	Sn	<	0.001007				
M	B	<	0.001208	M	Ge	<	0.000201	M	Os	<	0.000605	M	Sr	<	0.000201				
M	Ba	<	0.000201	M	Hf	<	0.000201	O	P	<	0.032370	M	Ta	<	0.000201				
M	Be	<	0.000201	s	Hg	<		M	Pb	<	0.000201	M	Tb	<	0.000201				
M	Bi	<	0.000201	M	Ho	<	0.000201	M	Pd	<	0.000403	M	Te	<	0.002216				
O	Ca		0.000007	M	In	<	0.000201	M	Pr	<	0.000201	M	Th	<	0.000201				
M	Cd	<	0.000201	M	Ir	<	0.000201	M	Pt	<	0.000402	M	Ti	<	0.000402				
M	Ce	<	0.000201	O	K		0.000020	M	Rb	<	0.000201	O	Tl	<	0.016508				
M	Co	<	0.000201	M	La	<	0.000201	M	Re	<	0.000201	M	Tm	<	0.000201				
O	Cr	<	0.003021	O	Li	<	0.000107	M	Rh	<	0.000201	M	U	<	0.008058				
M	Cs	<	0.001208	M	Lu	<	0.000201	M	Ru	<	0.000201	M	V	<	0.000201				
M	Cu	<	0.000402	O	Mg		0.000001	O	S	<	0.053950	M	W	<	0.000604				
M	Dy	<	0.000201	M	Mn	<	0.000604	M	Sb	<	0.001208	M	Y	<	0.000201				
M	Er	<	0.000201	M	Mo		0.000009	M	Sc	<	0.000201	M	Yb	<	0.000201				

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 - 200.59 +2 4 Hg(OH)(aq) 1+

Chemical Compatibility - Stable in HNO_3. Avoid basic media forming insoluble carbonate. The sulfide, basic carbonate, oxalate, phosphate, arsenite, arsenate and iodide are insoluble in water.

Stability - 2-100 ppb levels not stable in 1% HNO_3 / LDPE container, stable in 10% HNO_3 packaged in borosilicate glass. 1-100 ppm levels stable in 7% HNO_3 packaged in borosilicate glass. 1000-10,000 ppm solutions are chemically stable for years in 5-10% HNO_3 / LDPE container.

Hg Containing Samples (Preparation and Solution) - Metal (soluble in HNO_3); Oxide (Soluble in HNO_3); Ores and Organic based (The literature has more references to the preparation of Hg containing samples than any other element. Please consult the literature for your specific sample type, since such preparations are prone to error. Or e-mail our technical staff and we will contact you to discuss your particular sample preparation questions in further detail.).

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 202 amu	9 ppt	n/a	186W16O
ICP-OES 184.950 nm	0.03 / 0.005 µg/mL	1	
ICP-OES 194.227 nm	0.03 / 0.005 µg/mL	1	V
ICP-OES 253.652 nm	0.1 / 0.03 µg/mL	1	Ta, Co, Th ,Rh , Fe, U

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 22, 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 22, 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 Prepared By:

Uyen Truong
Supervisor, Product Documentation



Certificate Approved By:

Michael Booth
Director, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



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.

MSS28-37
MB

Contains Metals in Dilute Acidic or Cyanide in Basic Aqueous Solutions
HAZARDOUS MATERIAL

Safety Data Sheets Available Upon Request

(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.

Instructions for QATS Reference Material: *Inorganic ICV Solutions*

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

Sodium Chloride, Crystal
BAKER ANALYZED® A.C.S. Reagent

MT884
MB

avantor™ | J.T.Baker®

Material No.: 3624-01
Batch No.: 0000281938
Manufactured Date: 2021-06-07
Retest Date: 2026-06-07
Revision No.: 1

Certificate of Analysis

Test	Specification	Result
Assay (NaCl) (by Ag titrn)	≥ 99.0 %	100.0 %
pH of 5% Solution at 25°C	5.0 - 9.0	6.3
Insoluble Matter	≤ 0.005 %	0.003 %
Iodide (I)	≤ 0.002 %	< 0.002 %
Bromide (Br)	≤ 0.01 %	< 0.01 %
Chlorate and Nitrate (as NO_3)	≤ 0.003 %	< 0.001 %
ACS - Phosphate (PO_4)	≤ 5 ppm	< 5 ppm
Sulfate (SO_4)	≤ 0.004 %	< 0.004 %
Barium (Ba)	Passes Test	Passes Test
ACS - Heavy Metals (as Pb)	≤ 5 ppm	< 5 ppm
Iron (Fe)	≤ 2 ppm	< 1 ppm
Calcium (Ca)	≤ 0.002 %	< 0.001 %
Magnesium (Mg)	≤ 0.001 %	< 0.001 %
Potassium (K)	≤ 0.005 %	0.001 %

For Laboratory,Research,or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs
Country of Origin: USA
Packaging Site: Paris Mfg Ctr & DC

James T Ethier
Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Mansford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone 610.386.1700

878

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

M 6041-46
MS

avantor™ | J.T.Baker®

Material No.: 9673-33
Batch No.: 23D2462010
Manufactured Date: 2023-03-22
Retest Date: 2028-03-20
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS – Assay (H_2SO_4)	95.0 – 98.0 %	96.1 %
Appearance	Passes Test	Passes Test
ACS – Color (APHA)	≤ 10	5
ACS – Residue after Ignition	≤ 3 ppm	< 1 ppm
ACS – Substances Reducing Permanganate (as SO2)	≤ 2 ppm	< 2 ppm
Ammonium (NH_4)	≤ 1 ppm	1 ppm
Chloride (Cl)	≤ 0.1 ppm	< 0.1 ppm
Nitrate (NO_3)	≤ 0.2 ppm	< 0.1 ppm
Phosphate (PO_4)	≤ 0.5 ppm	< 0.1 ppm
Trace Impurities – Aluminum (Al)	≤ 30.0 ppb	< 5.0 ppb
Arsenic and Antimony (as As)	≤ 4.0 ppb	< 2.0 ppb
Trace Impurities – Boron (B)	≤ 10.0 ppb	8.5 ppb
Trace Impurities – Cadmium (Cd)	≤ 2.0 ppb	< 0.3 ppb
Trace Impurities – Chromium (Cr)	≤ 6.0 ppb	< 0.4 ppb
Trace Impurities – Cobalt (Co)	≤ 0.5 ppb	< 0.3 ppb
Trace Impurities – Copper (Cu)	≤ 1.0 ppb	< 0.1 ppb
Trace Impurities – Gold (Au)	≤ 10.0 ppb	0.5 ppb
Heavy Metals (as Pb)	≤ 500.0 ppb	< 100.0 ppb
Trace Impurities – Iron (Fe)	≤ 50.0 ppb	1.3 ppb
Trace Impurities – Lead (Pb)	≤ 0.5 ppb	< 0.5 ppb
Trace Impurities – Magnesium (Mg)	≤ 7.0 ppb	0.8 ppb
Trace Impurities – Manganese (Mn)	≤ 1.0 ppb	< 0.4 ppb
Trace Impurities – Mercury (Hg)	≤ 0.5 ppb	< 0.1 ppb
Trace Impurities – Nickel (Ni)	≤ 2.0 ppb	0.3 ppb
Trace Impurities – Potassium (K)	≤ 500.0 ppb	< 2.0 ppb
Trace Impurities – Selenium (Se)	≤ 50.0 ppb	< 0.1 ppb
Trace Impurities – Silicon (Si)	≤ 100.0 ppb	31.5 ppb
Trace Impurities – Silver (Ag)	≤ 1.0 ppb	< 0.3 ppb

>>> Continued on page 2 >>>

For questions on this Certificate of Analysis please contact Technical Services at 855 282 6867 or +1 610 386 1700

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor™ | J.T.Baker®

Material No.: 9673-33
Batch No.: 23D2462010

Test	Specification	Result
Trace Impurities - Sodium (Na)	≤ 500.0 ppb	5.4 ppb
Trace Impurities - Strontium (Sr)	≤ 5.0 ppb	< 0.2 ppb
Trace Impurities - Tin (Sn)	≤ 5.0 ppb	< 0.8 ppb
Trace Impurities - Zinc (Zn)	≤ 5.0 ppb	0.4 ppb

For Laboratory,Research,or Manufacturing Use

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier

Jamie Ethier
Vice President Global Quality

Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

R → 10/13/24
Met dig

M 6121

Material No.: 9530-33
Batch No.: 0000275677
Manufactured Date: 2020/12/16
Retest Date: 2025/12/15
Revision No: 1

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
ACS - Specific Gravity at 60°/60°F	1.185 - 1.192	1.190
ACS - Bromide (Br)	<= 0.005 %	< 0.005
ACS - Extractable Organic Substances	<= 5 ppm	1
ACS - Free Chlorine (as Cl_2)	<= 0.5 ppm	< 0.5
Phosphate (PO_4)	<= 0.05 ppm	< 0.03
Sulfate (SO_4)	<= 0.5 ppm	< 0.3
Sulfite (SO_3)	<= 0.8 ppm	0.3
Ammonium (NH_4)	<= 3 ppm	< 1
Trace Impurities - Arsenic (As)	<= 0.010 ppm	< 0.003
Trace Impurities - Aluminum (Al)	<= 10.0 ppb	< 0.2
Arsenic and Antimony (as As)	<= 5 ppb	< 3
Trace Impurities - Barium (Ba)	<= 1.0 ppb	< 0.2
Trace Impurities - Beryllium (Be)	<= 1.0 ppb	< 0.2
Trace Impurities - Bismuth (Bi)	<= 10.0 ppb	< 1.0
Trace Impurities - Boron (B)	<= 20.0 ppb	< 5.0
Trace Impurities - Cadmium (Cd)	<= 1.0 ppb	< 0.3
Trace Impurities - Calcium (Ca)	<= 50.0 ppb	29.7
Trace Impurities - Chromium (Cr)	<= 1.0 ppb	< 0.4
Trace Impurities - Cobalt (Co)	<= 1.0 ppb	< 0.3
Trace Impurities - Copper (Cu)	<= 1.0 ppb	< 0.1
Trace Impurities - Gallium (Ga)	<= 1.0 ppb	< 0.2

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

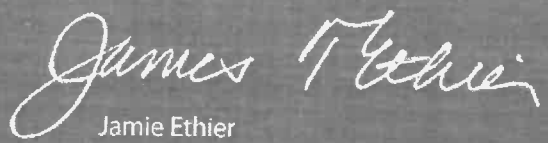
881

Material No.: 9530-33
Batch No.: 0000275677

Test	Specification	Result
Trace Impurities - Germanium (Ge)	<= 3.0 ppb	< 2.0
Trace Impurities - Gold (Au)	<= 4.0 ppb	< 0.2
Heavy Metals (as Pb)	<= 100 ppb	< 50
Trace Impurities - Iron (Fe)	<= 15.0 ppb	<1
Trace Impurities - Lead (Pb)	<= 1.0 ppb	< 0.5
Trace Impurities - Lithium (Li)	<= 1.0 ppb	0.2
Trace Impurities - Magnesium (Mg)	<= 10.0 ppb	0.4
Trace Impurities - Manganese (Mn)	<= 1.0 ppb	< 0.4
Trace Impurities - Mercury (Hg)	<= 0.5 ppb	0.1
Trace Impurities - Molybdenum (Mo)	<= 10.0 ppb	< 5.0
Trace Impurities - Nickel (Ni)	<= 4.0 ppb	< 0.3
Trace Impurities - Niobium (Nb)	<= 1.0 ppb	< 0.2
Trace Impurities - Potassium (K)	<= 9.0 ppb	< 2.0
Trace Impurities - Selenium (Se), For Information Only	ppb	1.0
Trace Impurities - Silicon (Si)	<= 100.0 ppb	< 10.0
Trace Impurities - Silver (Ag)	<= 1.0 ppb	< 0.3
Trace Impurities - Sodium (Na)	<= 100.0 ppb	< 5.0
Trace Impurities - Strontium (Sr)	<= 1.0 ppb	< 0.2
Trace Impurities - Tantalum (Ta)	<= 1.0 ppb	< 0.9
Trace Impurities - Thallium (Tl)	<= 5.0 ppb	< 2.0
Trace Impurities - Tin (Sn)	<= 5.0 ppb	< 0.8
Trace Impurities - Titanium (Ti)	<= 1.0 ppb	0.2
Trace Impurities - Vanadium (V)	<= 1.0 ppb	< 0.2
Trace Impurities - Zinc (Zn)	<= 5.0 ppb	0.3
Trace Impurities - Zirconium (Zr)	<= 1.0 ppb	< 0.1

For Laboratory, Research or Manufacturing Use
Product Information (not specifications):
Appearance (clear, fuming liquid)
Meets ACS Specifications

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC



Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

882

Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

R -> 11/12/24

Material No.: 9606-03
Batch No.: 24D1062002
Manufactured Date: 2024-03-26
Retest Date: 2029-03-25
Revision No.: 0

M6126

Certificate of Analysis

Test	Specification	Result
Assay (HNO_3)	69.0 - 70.0 %	69.7 %
Appearance	Passes Test	Passes Test
Color (APHA)	≤ 10	5
Residue after Ignition	≤ 2 ppm	1 ppm
Chloride (Cl)	≤ 0.08 ppm	< 0.03 ppm
Phosphate (PO_4)	≤ 0.10 ppm	< 0.03 ppm
Sulfate (SO_4)	≤ 0.2 ppm	< 0.2 ppm
Trace Impurities - Aluminum (Al)	≤ 40.0 ppb	< 1.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 2.0 ppb
Trace Impurities - Barium (Ba)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Beryllium (Be)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Bismuth (Bi)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities - Boron (B)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities - Cadmium (Cd)	≤ 50 ppb	< 1 ppb
Trace Impurities - Calcium (Ca)	≤ 50.0 ppb	2.3 ppb
Trace Impurities - Chromium (Cr)	≤ 30.0 ppb	< 1.0 ppb
Trace Impurities - Cobalt (Co)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Copper (Cu)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Gallium (Ga)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Germanium (Ge)	≤ 20 ppb	< 10 ppb
Trace Impurities - Gold (Au)	≤ 20 ppb	< 5 ppb
Heavy Metals (as Pb)	≤ 100 ppb	100 ppb
Trace Impurities - Iron (Fe)	≤ 40.0 ppb	< 1.0 ppb
Trace Impurities - Lead (Pb)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities - Lithium (Li)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Magnesium (Mg)	≤ 20 ppb	< 1 ppb
Trace Impurities - Manganese (Mn)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Nickel (Ni)	≤ 20.0 ppb	< 5.0 ppb

>>> Continued on page 2 >>>

Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

Material No.: 9606-03
Batch No.: 24D1062002

Test	Specification	Result

For Microelectronic Use

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Croak
Director Quality Operations, Bioscience Production

Alliance TECHNICAL GROUP

Water Mercury Preparation Sheet

PB165943

SOP ID : M7470A-Mercury-19, MSFAM01.1-Mercury in Water-2

SDG No : MJNBZ5/ME2927

Matrix : WATER

Pippete ID: HG A

Balance ID : N/A

Filter paper ID : NA

pH Strip ID : M6069

Hood ID : #1

Block ID: 1. HG HOT BLOCK#2 2. N/A

Start Digest Date: 01/02/2025 **Time :** 09:25 **Temp :** 94 °C

End Digest Date: 01/02/2025 **Time :** 11:25 **Temp :** 95 °C

Digestion tube ID: M6054

Block thermometer ID: HG-DIG#2

Dig Technician Signature: MB

Supervisor Signature: IZ

Temp : 1. 94°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
ICV	100mL	MP83845
CCV	100mL	MP83847
Matrix Spike	0.40mL	MP83837
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
HNO3/H2SO4(1:2)	7.5mL	MP83691
KMnO4 (5%)	15.0mL	MP83692
K2S2O8 (5%)	8.0mL	MP83693
Hydroxylamine HCL (12%)	6.0mL	MP83694
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

LAB SAMPLE ID	CLIENT SAMPLE ID	Wt(g)/Vol(ml)	Comment
0.0 ppb	S0	100mL	MP83838
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	100mL	MP83839
2.5 ppb	S2.5	100mL	MP83840
5.0 ppb	S5.0	100mL	MP83841
7.5 ppb	S7.5	100mL	MP83842
10.0 ppb	S10.0	100mL	MP83843
ICV	ICV	100mL	MP83845
ICB	ICB	100mL	MP83846
CCV	CCV	100mL	MP83847
CCB	CCB	100mL	MP83848
CRI	CRI	N/A	N/A
CHK STD	CHK STD	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
1/2/25 @ 12:15	MB - Dig. Lab	MB - metal CAB
	Preparation Group	Analysis Group 885

Alliance TECHNICAL GROUP

Water Mercury Preparation Sheet

PB165943

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Comment	Prep Pos
P5347-01	MJNBZ9	100	100	<2	N/A	2-1
P5347-04	MJNC00	100	100	<2	N/A	2
P5347-08	MJNC00D	100	100	<2	N/A	3
P5347-09	MJNC00S	100	100	<2	MP83837	4
P5354-01	ME2927	100	100	<2	N/A	5
P5354-02	ME2928	100	100	<2	N/A	6
P5354-03	ME2928D	100	100	<2	N/A	7
P5354-04	ME2928S	100	100	<2	MP83837	8
PB165943BL	PBW943	100	100	<2	N/A	9

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB134147

Review By	Sarabjit Jaswal	Review On	1/2/2025 10:57:28 PM
Supervise By	Mohan Bera	Supervise On	1/2/2025 10:58:15 PM

STD. NAME	STD REF.#
ICAL Standard	MP83838,MP83839,MP83840,MP83841,MP83842,MP83843
ICV Standard	MP83845
CCV Standard	MP83847
ICSA Standard	
CRI Standard	
LCS Standard	
Chk Standard	MP838465,MP83848,MP83852

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	01/02/25 13:48		Mohan	OK
2	S0.2	S01	CAL2	01/02/25 13:50		Mohan	OK
3	S2.5	S02	CAL3	01/02/25 13:52		Mohan	OK
4	S5	S05	CAL4	01/02/25 13:55		Mohan	OK
5	S7.5	S04	CAL5	01/02/25 13:57		Mohan	OK
6	S10	S05	CAL6	01/02/25 14:06		Mohan	OK
7	ICV040	ICV040	ICV	01/02/25 14:12		Mohan	OK
8	ICB040	ICB040	ICB	01/02/25 14:14		Mohan	OK
9	CCV094	CCV094	CCV	01/02/25 14:16		Mohan	OK
10	CCB094	CCB094	CCB	01/02/25 14:19		Mohan	OK
11	PB165943BL	PBW943	MB	01/02/25 14:21		Mohan	OK
12	P5347-01	MJNBZ9	SAM	01/02/25 14:23		Mohan	OK
13	P5347-04	MJNC00	SAM	01/02/25 14:25		Mohan	OK
14	P5347-08	MJNC00D	DUP	01/02/25 14:28		Mohan	OK
15	P5347-09	MJNC00S	MS	01/02/25 14:30		Mohan	OK
16	P5354-01	ME2927	SAM	01/02/25 14:32		Mohan	OK
17	P5354-02	ME2928	SAM	01/02/25 14:34		Mohan	OK
18	P5354-03	ME2928D	DUP	01/02/25 14:37		Mohan	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB134147

Review By	Sarabjit Jaswal	Review On	1/2/2025 10:57:28 PM
Supervise By	Mohan Bera	Supervise On	1/2/2025 10:58:15 PM

STD. NAME	STD REF.#
ICAL Standard	MP83838,MP83839,MP83840,MP83841,MP83842,MP83843
ICV Standard	MP83845
CCV Standard	MP83847
ICSA Standard	
CRI Standard	
LCS Standard	
Chk Standard	MP838465,MP83848,MP83852

19	P5354-04	ME2928S	MS	01/02/25 14:39		Mohan	OK
20	CCV095	CCV095	CCV	01/02/25 14:41		Mohan	OK
21	CCB095	CCB095	CCB	01/02/25 14:44		Mohan	OK

EPA SAMPLE NO.

ME2927

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51847 MA No. : SDG No.: ME2927

Matrix: Water Lab Sample ID: P5354-01

% Solids: Date Received: 12/19/2024

Analytical Method: CN

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

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
57-12-5	Cyanide	10	U	12/27/2024	1231

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

Comments:

EPA SAMPLE NO.

ME2928

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51847 MA No. : SDG No.: ME2927

Matrix: Water Lab Sample ID: P5354-02

% Solids: Date Received: 12/19/2024

Analytical Method: CN

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

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
57-12-5	Cyanide	10	U	12/27/2024	1231

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

Comments:

Reviewed By:Iwona
On:12/30/2024
11:02:26 AM
Inst Id :KONELAB

LBI

Test results | Aquakem 7.2AQ1 | Page: 1

CHEMTECH CONSULTING GROUP INC
284 Sheffield Street, Mountainside, NJ 07092

Reviewed by : NF | Instrument ID : Konelab

12/27/2024 13:21

Test: CNEPA-NEW

Sample Id	Result	Dil. 1 +	Response	Errors
ICV001 ICV001	98.065	0.0	0.090	
ICB001 ICB001	0.473	0.0	0.001	
CCV001 CCV001	240.670	0.0	0.221	
CCB001 CCB001	0.636	0.0	0.001	
PB165889BL PBS889	0.509	0.0	0.001	
P5352-01 ME2922	5.177	0.0	0.005	
P5352-02 ME2924	0.594	0.0	0.001	
P5352-03 ME2925	1.052	0.0	0.002	
P5352-04 ME2926	0.774	0.0	0.001	
P5352-05 ME2926D	0.853	0.0	0.001	
P5352-06 ME2926S	95.710	0.0	0.088	
CCV002 CCV002	240.397	0.0	0.220	
CCB002 CCB002	0.715	0.0	0.001	
PB165890BL PBW890	0.478	0.0	0.001	
P5354-01 ME2927	0.654	0.0	0.001	
P5354-02 ME2928	0.716	0.0	0.001	
P5354-03 ME2928D	0.710	0.0	0.001	
P5354-04 ME2928S	96.999	0.0	0.089	
CCV003 CCV003	234.554	0.0	0.215	
CCB003 CCB003	0.754	0.0	0.001	

NF 12-27-2024

12/27/2024 NF

N	20
Mean	51.024
SD	87.9227
CV%	172.31

Reviewed By:Iwona
On:12/30/2024
11:02:26 AM
Inst Id :KONELAB

Aquakem v. 7.2AQ1
Results from time period:
Fri Dec 27 10:32:26 2024
Fri Dec 27 12:31:21 2024

Sample Id	Sam/Ctr/cA	Test short r	Test type	Result	Result unit	Result date and time
S0.0	A	CNEPA-NE\	P	0.2927	µg/l	12/27/2024 10:32:26
S5.0	A	CNEPA-NE\	P	5.0614	µg/l	12/27/2024 10:32:27
S10.0	A	CNEPA-NE\	P	9.7752	µg/l	12/27/2024 10:32:28
S100.0	A	CNEPA-NE\	P	100.8042	µg/l	12/27/2024 10:32:29
S250.0	A	CNEPA-NE\	P	248.4469	µg/l	12/27/2024 10:32:30
S500.0	A	CNEPA-NE\	P	500.6195	µg/l	12/27/2024 10:32:31
ICV001 ICV001	S	CNEPA-NE\	P	98.0653	µg/l	12/27/2024 12:17:03
ICB001 ICB001	S	CNEPA-NE\	P	0.473	µg/l	12/27/2024 12:17:04
CCV001 CCV001	S	CNEPA-NE\	P	240.6703	µg/l	12/27/2024 12:17:06
CCB001 CCB001	S	CNEPA-NE\	P	0.636	µg/l	12/27/2024 12:17:09
PB165889BL PBS889	S	CNEPA-NE\	P	0.5091	µg/l	12/27/2024 12:17:10
P5352-01 ME2922	S	CNEPA-NE\	P	5.1766	µg/l	12/27/2024 12:17:12
P5352-02 ME2924	S	CNEPA-NE\	P	0.5938	µg/l	12/27/2024 12:24:34
P5352-03 ME2925	S	CNEPA-NE\	P	1.052	µg/l	12/27/2024 12:24:35
P5352-04 ME2926	S	CNEPA-NE\	P	0.7741	µg/l	12/27/2024 12:24:36
P5352-05 ME2926D	S	CNEPA-NE\	P	0.853	µg/l	12/27/2024 12:24:37
P5352-06 ME2926S	S	CNEPA-NE\	P	95.7097	µg/l	12/27/2024 12:24:39
CCV002 CCV002	S	CNEPA-NE\	P	240.3972	µg/l	12/27/2024 12:24:42
CCB002 CCB002	S	CNEPA-NE\	P	0.7152	µg/l	12/27/2024 12:24:43
PB165890BL PBW890	S	CNEPA-NE\	P	0.4782	µg/l	12/27/2024 12:24:44
P5354-01 ME2927	S	CNEPA-NE\	P	0.654	µg/l	12/27/2024 12:31:13
P5354-02 ME2928	S	CNEPA-NE\	P	0.7156	µg/l	12/27/2024 12:31:14
P5354-03 ME2928D	S	CNEPA-NE\	P	0.7096	µg/l	12/27/2024 12:31:15
P5354-04 ME2928S	S	CNEPA-NE\	P	96.9989	µg/l	12/27/2024 12:31:17
CCV003 CCV003	S	CNEPA-NE\	P	234.5537	µg/l	12/27/2024 12:31:20
CCB003 CCB003	S	CNEPA-NE\	P	0.7544	µg/l	12/27/2024 12:31:21

Reviewed By:Iwona
On:12/30/2024
11:02:26 AM
Inst Id :KONELAB

Calibration results Aquakem 7.2AQ1 Page: 1

CHEMTECH CONSULTING GROUP INC
284 Sheffield Street, Mountainside, NJ 07092

Reviewed by : NE Instrument ID : Konelab

12/27/2024 10:32

Test CNEPA-NEW

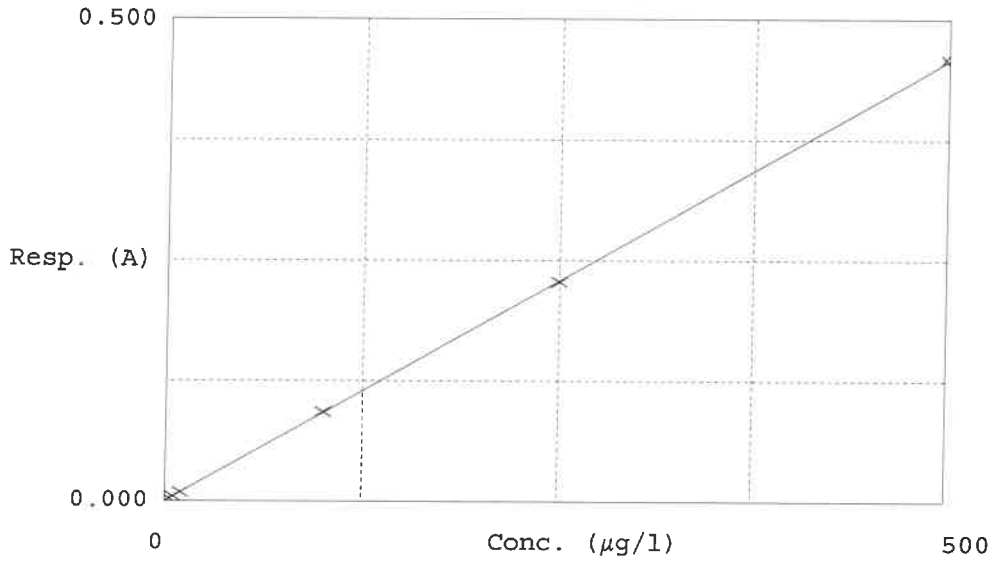
Accepted 12/27/2024 10:32

~~Factor~~ Slope ~~1094~~ 0.000914
~~Bias~~ Intercept 0.001

12/30/2024
RM

Coeff. of det. 0.999982

Errors



	Calibrator	Response	Calc. con.	Conc.	Errors
1	0.0PPBCN S0.0	0.001	0.2927	0.0000	1.2
2	5.0PPBCN S5.0	0.005	5.0614	5.0000	-2.2
3	10PPBCN S10.0	0.010	9.7752	10.0000	0.8
4	100PPBCN S100.0	0.093	100.8042	100.0000	-0.6
5	250PPBCN S250.0	0.228	248.4469	250.0000	
6	500PPBCN S500.0	0.458	500.6195	500.0000	0.1

12/27/2024
NE

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Prep Standard - Chemical Standard Summary

Order ID : P5354

Test : Cyanide

Prepbatch ID : PB165890,

Sequence ID/Qc Batch ID: LB134108,

Standard ID :
WP108075,WP108076,WP108640,WP108688,WP109089,WP110103,WP110899,WP111239,WP111240,WP111241,WP111242,WP111243,WP111244,WP111245,WP111246,WP111247,WP111248,

Chemical ID :
E3657,M5673,M5951,W2606,W2668,W2882,W3001,W3011,W3019,W3101,W3112,W3113,W3121,W3139,W3154,

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Fax : 908 789 8922

Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3214	Magnesium Chloride For Cyanide 2.5M(51%W/V)	WP108075	05/22/2024	10/24/2024	Rubina Mughal	WETCHEM_SCALE_5 (WCSC-5)	None	Iwona Zarych 05/24/2024

FROM 500.00000ml of W2606 + 510.00000gram of W3001 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1714	Sulfuric Acid, 50% (v/v)	WP108076	05/22/2024	10/24/2024	Rubina Mughal	None	None	Iwona Zarych 05/24/2024

FROM 1000.00000ml of M5673 + 1000.00000ml of W2606 = Final Quantity: 2000.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
11	Sodium hydroxide absorbing solution 0.25 N	WP108640	07/05/2024	01/05/2025	Rubina Mughal	WETCHEM_SCALE_4 (WCSC-4)	None	Iwona Zarych 07/08/2024

FROM 21.00000L of W3112 + 210.00000gram of E3657 = Final Quantity: 21.000 L

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1581	Sodium hydroxide solution, 1.25N	WP108688	07/11/2024	01/11/2025	Niha Farheen Shaik	WETCHEM_SCALE_5 (WCSC-5)	None	Iwona Zarych 07/11/2024

FROM 50.00000gram of W3113 + 950.00000ml of W3112 = Final Quantity: 1000.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2816	CN-EPA Pyridine-Burbituric Acid solution	WP109089	08/07/2024	12/27/2024	Rubina Mughal	WETCHEM_SCALE_5 (WCSC-5)	None	Iwona Zarych 08/07/2024

FROM 15.00000gram of W2882 + 15.00000ml of M5951 + 75.00000ml of W3019 + 895.00000ml of W3112 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
539	CN BUFFER	WP110103	10/08/2024	04/08/2025	Rubina Mughal	WETCHEM_SCALE_5 (WCSC-5)	None	Iwona Zarych 10/08/2024

FROM 138.00000gram of W2668 + 862.00000ml of W3112 = Final Quantity: 1000.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3850	Cyanide MS-MSD spiking solution, 5PPM	WP110899	12/02/2024	01/05/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 12/03/2024

FROM 1.00000ml of W3154 + 199.00000ml of WP108640 = Final Quantity: 200.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1585	Cyanide Intermediate standard solution, 10PPM	WP111239	12/27/2024	12/28/2024	Niha Farheen Shaik	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 01/02/2025

FROM 1.00000ml of W3154 + 79.00000ml of W3112 + 20.00000ml of WP108688 = Final Quantity: 100.000 ml

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Fax : 908 789 8922

Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1586	Cyanide Cal Std, 500 PPB	WP111240	12/27/2024	12/28/2024	Niha Farheen Shaik	None	None	Iwona Zarych 01/02/2025

FROM 5.00000ml of WP111239 + 95.00000ml of WP108640 = Final Quantity: 0.100 L

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1587	Cyanide Cal Std, 250 PPB	WP111241	12/27/2024	12/28/2024	Niha Farheen Shaik	None	None	Iwona Zarych 01/02/2025

FROM 2.50000ml of WP111239 + 97.50000ml of WP108640 = Final Quantity: 0.100 L

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1588	Cyanide Cal Std, 100 PPB	WP111242	12/27/2024	12/28/2024	Niha Farheen Shaik	None	None	Iwona Zarych 01/02/2025

FROM 1.00000ml of WP111239 + 99.00000ml of WP108640 = Final Quantity: 0.100 L

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1589	Cyanide Cal Std, 10 PPB	WP111243	12/27/2024	12/28/2024	Niha Farheen Shaik	None	None	Iwona Zarych 01/02/2025

FROM 4.00000ml of WP111241 + 96.00000ml of WP108640 = Final Quantity: 0.100 L

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1591	Cyanide blank std, 0 PPB	WP111244	12/27/2024	12/28/2024	Niha Farheen Shaik	None	None	Iwona Zarych 01/02/2025

FROM 100.00000ml of WP108640 = Final Quantity: 0.100 L

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1590	Cyanide Cal Std, 5 PPB	WP111245	12/27/2024	12/28/2024	Niha Farheen Shaik	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 01/02/2025

FROM 2.00000ml of WP111241 + 98.00000ml of WP108640 = Final Quantity: 0.100 L

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1763	Cyanide ICV Std	WP111246	12/27/2024	12/28/2024	Niha Farheen Shaik	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 01/02/2025

FROM 0.50000ml of W3011 + 49.50000ml of WP108640 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1592	Cyanide CCV Std, 250 PPB	WP111247	12/27/2024	12/28/2024	Niha Farheen Shaik	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 01/02/2025

FROM 2.50000ml of WP111239 + 97.50000ml of WP108640 = Final Quantity: 0.100 L

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1582	Chloramine T solution, 0.014M	WP111248	12/27/2024	12/28/2024	Niha Farheen Shaik	WETCHEM_SCALE_5 (WCSC-5)	None	Iwona Zarych 01/02/2025

FROM 0.08000gram of W3139 + 20.00000ml of W3112 = Final Quantity: 20.000 ml

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19510-5 / Sodium Hydroxide Pellets 2.5 Kg, Pk of 4	23B1556310	12/31/2025	12/04/2023 / Rajesh	12/01/2023 / Rajesh	E3657

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	23D2462010	03/20/2028	09/21/2023 / mohan	09/05/2023 / mohan	M5673

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)	22G2862015	12/27/2024	07/04/2024 / Jaswal	06/23/2024 / Al-Terek	M5951

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	10/24/2024	10/24/2019 / apatel	10/24/2019 / apatel	W2606

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	J3818-5 / SODIUM PHOSPHATE, MONOBAS/HYD, CRYS, ACS, 2.5 KG	0000225799	12/03/2025	04/05/2021 / Alexander	02/10/2020 / apatel	W2668

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	EM-BX0035-3 / Barbituric Acid, 100 gms	1.00132.0100	04/30/2025	12/07/2021 / jaswal	11/30/2021 / apatel	W2882

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	01237-10KG / Megnasium Chloride Hexahydrate ACS 10KG	002251-03319	06/06/2027	01/23/2023 / Iwona	06/06/2022 / Iwona	W3001

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
EPA	/ ICV-CN	ICV6-400	12/31/2024	01/03/2024 / Iwona	02/20/2020 / Iwona	W3011

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
SIGMA ALDRICH	270970-1L / Pyridine 1L	SHBQ2113	04/03/2028	04/03/2023 / Iwona	04/03/2023 / Iwona	W3019

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	470112-662 / TEST STRIPES, NITRATE/NITRITE, PK50	402403	04/30/2026	05/02/2024 / Iwona	04/10/2024 / Iwona	W3101

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19510-7 / Sodium Hydroxide Pellets 12 Kg	23B1556310	12/31/2025	07/08/2024 / Iwona	07/08/2024 / Iwona	W3113

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	140444 / TEST PAPERS,PH 0-14,.5 SENSI,100PK	HC446507	07/25/2029	07/25/2024 / Iwona	07/25/2024 / Iwona	W3121

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	JTE494-6 / CHLORAMINE-T BAKER 250GM	10239484	09/09/2029	09/09/2024 / Iwona	09/09/2024 / Iwona	W3139

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	RC2543-4 / CYANIDE STD 1000PPM 4OZ	1411J58	05/31/2025	12/02/2024 / Iwona	12/02/2024 / Iwona	W3154

~~W2918~~ W3001 rec. 06/06/22 exp. 06/06/27

Chem-Impex International, Inc.

Tel: (630) 766-2112
E-mail: sales@chemimpex.com
Shipping and Correspondence:
935 Dillon Drive
Wood Dale, IL 60191

Fax: (630) 766-2218
Web site: www.chemimpex.com
Manufacturing site:
825 Dillon Drive
Wood Dale, IL 60191

Certificate of Analysis

Catalogue Number	01237
Product	**Magnesium chloride hexahydrate**
Lot Number	002251-03319
	Magnesium chloride•$6H_2O$
CAS Number	7791-18-6
Molecular Formula	$MgCl_2$•$6H_2O$
Molecular Weight	203.3

Appearance	Colorless crystals, very deliquescent
Heavy Metals	< 5 ppm
Anion	Nitrate : < 0.001% Phosphate : < 5 ppm Sulfate : < 0.002%
Cation	Ammonium : < 0.002% Barium : < 0.005% Calcium : 0.0006% Iron : < 5 ppm Manganese : 1.8 ppm Potassium : 0.0006% Sodium : 0.0008% Strontium : 0.0015%
Insoluble material	0.0025%
Assay by titration	100.29%
Grade	ACS reagent
Storage	Store at RT
Country of Origin	India

Certificate of Analysis

Catalog Number: 01237 **Lot Number: 002251-03319**

Remarks	See material safety data sheet for additional information
	For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier

Bala Kumar
Quality Control Manager

Sigma-Aldrich.

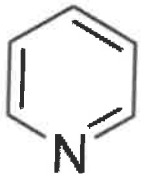
W3019
Rec 4/3/23

3050 Spruce Street, Saint Louis, MO 63103, USA
Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:
Pyridine - anhydrous, 99.8%

Product Number:	**270970**
Batch Number:	**SHBQ2113**
Brand:	SIAL
CAS Number:	110-86-1
MDL Number:	MFCD00011732
Formula:	C5H5N
Formula Weight:	79.10 g/mol
Quality Release Date:	15 DEC 2022



Test	Specification	Result
Appearance (Color)	Colorless	Colorless
Appearance (Form)	Liquid	Liquid
Infrared Spectrum	Conforms to Structure	Conforms
Purity (GC)	≥ 99.75 %	99.99 %
Water (by Karl Fischer)	≤ 0.003 %	0.002 %
Residue on Evaporation	≤ 0.0005 %	< 0.0001 %

Larry Coers, Director
Quality Control
Sheboygan Falls, WI US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

VWR®

Certificate of Analysis

Sodium Hydroxide (Pellets)

Material: 0583
Grade: ACS GRADE
Batch Number: 23B1556310

Chemical Formula: NaOH
Molecular Weight: 40
CAS #: 1310-73-2
Appearance:

Pellets

Manufacture Date: 12/14/2022
Expiration Date: 12/31/2025

Storage: Room Temperature

TEST	SPECIFICATION	ANALYSIS	DISPOSITION
Calcium	<= 0.005 %	<0.005 %	PASS
Chloride	<= 0.005 %	0.002 %	PASS
Heavy Metals	<= 0.002 %	<0.002 %	PASS
Iron	<= 0.001 %	<0.001 %	PASS
Magnesium	<= 0.002 %	<0.002 %	PASS
Mercury	<= 0.1 ppm	<0.1 ppm	PASS
Nickel	<= 0.001 %	<0.001 %	PASS
Nitrogen Compounds	<= 0.001 %	<0.001 %	PASS
Phosphate	<= 0.001 %	<0.001 %	PASS
Potassium	<= 0.02 %	<0.02 %	PASS
Purity	>= 97.0 %	99.2 %	PASS
Sodium Carbonate	<= 1.0 %	0.5 %	PASS
Sulfate	<= 0.003 %	<0.003 %	PASS

Internal ID #: 710

Signature

We certify that this batch conforms to the specifications listed.

This document has been electronically produced and is valid without a signature.

Leona Edwardson, Quality Control Sr. Manager - Solon
VWR Chemicals, LLC.
28600 Fountain Parkway, Solon OH 44139 USA

Additional Information

Analysis may have been rounded to significant digits in specification limits.

Product meets analytical specifications of the grades listed.

E 3657	E 3659
E 3654	E 3660

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

W2160, W2161, W2162, W2163, W2164 Receive by AP on 9/2/2016

(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

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor™ | J.T.Baker®

Material No.: 9673-33
Batch No.: 23D2462010
Manufactured Date: 2023-03-22
Retest Date: 2028-03-20
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS – Assay (H_2SO_4)	95.0 – 98.0 %	96.1 %
Appearance	Passes Test	Passes Test
ACS – Color (APHA)	≤ 10	5
ACS – Residue after Ignition	≤ 3 ppm	< 1 ppm
ACS – Substances Reducing Permanganate (as SO2)	≤ 2 ppm	< 2 ppm
Ammonium (NH_4)	≤ 1 ppm	1 ppm
Chloride (Cl)	≤ 0.1 ppm	< 0.1 ppm
Nitrate (NO_3)	≤ 0.2 ppm	< 0.1 ppm
Phosphate (PO_4)	≤ 0.5 ppm	< 0.1 ppm
Trace Impurities – Aluminum (Al)	≤ 30.0 ppb	< 5.0 ppb
Arsenic and Antimony (as As)	≤ 4.0 ppb	< 2.0 ppb
Trace Impurities – Boron (B)	≤ 10.0 ppb	8.5 ppb
Trace Impurities – Cadmium (Cd)	≤ 2.0 ppb	< 0.3 ppb
Trace Impurities – Chromium (Cr)	≤ 6.0 ppb	< 0.4 ppb
Trace Impurities – Cobalt (Co)	≤ 0.5 ppb	< 0.3 ppb
Trace Impurities – Copper (Cu)	≤ 1.0 ppb	< 0.1 ppb
Trace Impurities – Gold (Au)	≤ 10.0 ppb	0.5 ppb
Heavy Metals (as Pb)	≤ 500.0 ppb	< 100.0 ppb
Trace Impurities – Iron (Fe)	≤ 50.0 ppb	1.3 ppb
Trace Impurities – Lead (Pb)	≤ 0.5 ppb	< 0.5 ppb
Trace Impurities – Magnesium (Mg)	≤ 7.0 ppb	0.8 ppb
Trace Impurities – Manganese (Mn)	≤ 1.0 ppb	< 0.4 ppb
Trace Impurities – Mercury (Hg)	≤ 0.5 ppb	< 0.1 ppb
Trace Impurities – Nickel (Ni)	≤ 2.0 ppb	0.3 ppb
Trace Impurities – Potassium (K)	≤ 500.0 ppb	< 2.0 ppb
Trace Impurities – Selenium (Se)	≤ 50.0 ppb	< 0.1 ppb
Trace Impurities – Silicon (Si)	≤ 100.0 ppb	31.5 ppb
Trace Impurities – Silver (Ag)	≤ 1.0 ppb	< 0.3 ppb

>>> Continued on page 2 >>>

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor™ | J.T.Baker®

Material No.: 9673-33
Batch No.: 23D2462010

Test	Specification	Result
Trace Impurities - Sodium (Na)	≤ 500.0 ppb	5.4 ppb
Trace Impurities - Strontium (Sr)	≤ 5.0 ppb	< 0.2 ppb
Trace Impurities - Tin (Sn)	≤ 5.0 ppb	< 0.8 ppb
Trace Impurities - Zinc (Zn)	≤ 5.0 ppb	0.4 ppb

For Laboratory,Research,or Manufacturing Use

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier

Jamie Ethier
Vice President Global Quality

Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

MS947 MS948 MS949
MS950 MS951 MS952

Material No.: 9530-33
Batch No.: 22G2862015
Manufactured Date: 2022-06-15
Retest Date: 2027-06-14
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS – Assay (as HCl) (by acid-base titrn)	36.5 – 38.0 %	37.9 %
ACS – Color (APHA)	≤ 10	5
ACS – Residue after Ignition	≤ 3 ppm	< 1 ppm
ACS – Specific Gravity at 60°/60°F	1.185 – 1.192	1.191
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	1.3 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 3.0 ppb
Trace Impurities – Barium (Ba)	≤ 1.0 ppb	0.2 ppb
Trace Impurities – Beryllium (Be)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Bismuth (Bi)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Boron (B)	≤ 20.0 ppb	< 5.0 ppb
Trace Impurities – Cadmium (Cd)	≤ 1.0 ppb	< 0.3 ppb
Trace Impurities – Calcium (Ca)	≤ 50.0 ppb	163.0 ppb
Trace Impurities – Chromium (Cr)	≤ 1.0 ppb	0.7 ppb
Trace Impurities – Cobalt (Co)	≤ 1.0 ppb	< 0.3 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	0.6 ppb
Heavy Metals (as Pb)	≤ 100 ppb	< 50 ppb
Trace Impurities – Iron (Fe)	≤ 15 ppb	6 ppb

>>> Continued on page 2 >>>

For questions on this Certificate of Analysis please contact Technical Services at 855 282 6867 or +1 610 386 1700

Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

Material No.: 9530-33
Batch No.: 22G2862015

Test	Specification	Result
Trace Impurities - Lead (Pb)	≤ 1.0 ppb	< 0.5 ppb
Trace Impurities - Lithium (Li)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities - Magnesium (Mg)	≤ 10.0 ppb	2.9 ppb
Trace Impurities - Manganese (Mn)	≤ 1.0 ppb	< 0.4 ppb
Trace Impurities - Mercury (Hg)	≤ 0.5 ppb	0.1 ppb
Trace Impurities - Molybdenum (Mo)	≤ 10.0 ppb	< 3.0 ppb
Trace Impurities - Nickel (Ni)	≤ 4.0 ppb	< 0.3 ppb
Trace Impurities - Niobium (Nb)	≤ 1.0 ppb	0.8 ppb
Trace Impurities - Potassium (K)	≤ 9.0 ppb	< 2.0 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	0.5 ppb
Trace Impurities - Sodium (Na)	≤ 100.0 ppb	2.3 ppb
Trace Impurities - Strontium (Sr)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities - Tantalum (Ta)	≤ 1.0 ppb	1.6 ppb
Trace Impurities - Thallium (Tl)	≤ 5.0 ppb	< 2.0 ppb
Trace Impurities - Tin (Sn)	≤ 5.0 ppb	4.0 ppb
Trace Impurities - Titanium (Ti)	≤ 1.0 ppb	1.5 ppb
Trace Impurities - Vanadium (V)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities - Zinc (Zn)	≤ 5.0 ppb	0.8 ppb
Trace Impurities - Zirconium (Zr)	≤ 1.0 ppb	0.3 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.: 22G2862015

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

James T Ethier

Jamie Ethier
Vice President Global Quality

Certificate of Analysis

1.00132.0000 Barbituric acid for analysis EMSURE®
Batch N020065932

	Spec. Values		Batch Values	
Assay (acidimetric)	≥ 99	%	99.6	%
Identity (IR-spectrum)	passes test		passes test	
Chloride (Cl)	≤ 40	ppm	≤ 40	ppm
Heavy metals (as Pb)	≤ 50	ppm	≤ 50	ppm
Fe (Iron)	≤ 10	ppm	≤ 10	ppm
Sulfated ash	≤ 0.1	%	≤ 0.1	%
Loss on Drying (105 °C)	≤ 0.1	%	≤ 0.1	%
Suitability as reagent (for cyanide determination)	passes test		passes test	

Date of release (DD.MM.YYYY) 17.04.2020
Minimum shelf life (DD.MM.YYYY) 30.04.2025

Ioannis Chartomatsidis
Responsible laboratory manager quality control

This document has been produced electronically and is valid without a signature.

Merck KGaA, Frankfurter Straße 250, 64293 Darmstadt (Germany): +49 6151 72-0
EMD Millipore Corporation - a subsidiary of Merck KGaA, Darmstadt, Germany
400 Summit Drive, Burlington, MA 01803, USA, Phone +1 (781) 533-6000

SALSA **Version 949084** /990000742668// Date: 17.04.2020

W2668 Received on 02/10/2020 by AP

Sodium Phosphate, Monobasic, Monohydrate,
Crystal
BAKER ANALYZED® A.C.S. Reagent

(sodium dihydrogen phosphate, monohydrate)

Material No.: 3818-05
Batch No.: 0000225799
Manufactured Date: 2018/12/05
Retest Date: 2025/12/03
Revision No: 1

Certificate of Analysis

Meets ACS Reagent Chemical Requirements,

Test	Specification	Result
Assay ($NaH_2PO_4 \cdot H_2O$)	98.0 - 102.0 %	99.5
pH of 5% Solution at 25°C	4.1 - 4.5	4.3
Insoluble Matter	<= 0.01 %	< 0.01
Chloride (Cl)	<= 5 ppm	< 5
ACS - Sulfate (SO_4)	<= 0.003 %	< 0.003
Calcium (Ca)	<= 0.005 %	<0.005
Potassium (K)	<= 0.01 %	< 0.01
Heavy Metals (as Pb)	<= 0.001 %	< 0.001
Trace Impurities - Iron (Fe)	<= 0.001 %	< 0.001

For Laboratory, Research or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: IN
Packaging Site: Paris Mfg Ctr & DC

Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

919

Certificate of Analysis

Sodium Hydroxide (Pellets)

Material: 0583

Grade: ACS GRADE

Batch Number: 23B1556310

Chemical Formula: NaOH
Molecular Weight: 40
CAS #: 1310-73-2
Appearance:

Pellets

Manufacture Date: 12/14/2022
Expiration Date: 12/31/2025

Storage: Room Temperature

TEST	SPECIFICATION	ANALYSIS	DISPOSITION
Calcium	<= 0.005 %	<0.005 %	PASS
Chloride	<= 0.005 %	0.002 %	PASS
Heavy Metals	<= 0.002 %	<0.002 %	PASS
Iron	<= 0.001 %	<0.001 %	PASS
Magnesium	<= 0.002 %	<0.002 %	PASS
Mercury	<= 0.1 ppm	<0.1 ppm	PASS
Nickel	<= 0.001 %	<0.001 %	PASS
Nitrogen Compounds	<= 0.001 %	<0.001 %	PASS
Phosphate	<= 0.001 %	<0.001 %	PASS
Potassium	<= 0.02 %	<0.02 %	PASS
Purity	>= 97.0 %	99.2 %	PASS
Sodium Carbonate	<= 1.0 %	0.5 %	PASS
Sulfate	<= 0.003 %	<0.003 %	PASS

Internal ID #: 710

Signature

We certify that this batch conforms to the specifications listed.

This document has been electronically produced and is valid without a signature.

Leona Edwardson, Quality Control Sr. Manager - Solon
VWR Chemicals, LLC.
28600 Fountain Parkway, Solon OH 44139 USA

Additional Information

Analysis may have been rounded to significant digits in specification limits.

Product meets analytical specifications of the grades listed.

Certificate of Analysis

Sodium Hydroxide (Pellets)

Material: **0583**

Grade: **ACS GRADE**

Batch Number: **23B1556310**

Chemical Formula:	NaOH	Manufacture Date:	12/14/2022
Molecular Weight:	40	Expiration Date:	12/31/2025
CAS #:	1310-73-2		
Appearance:		Storage:	Room Temperature

Pellets

Spec Set: 0583ACS

Internal ID #: 710

Signature

We certify that this batch conforms to the specifications listed.

This document has been electronically produced and is valid without a signature.

Leona Edwardson, Quality Control Sr. Manager - Solon
VWR Chemicals, LLC.
28600 Fountain Parkway, Solon OH 44139 USA

Additional Information

Analysis may have been rounded to significant digits in specification limits.

Product meets analytical specifications of the grades listed.

ThermoFisher SCIENTIFIC

Certificate of Analysis

W3139 Received on 9/9/24 by IZ

Product No.:	A12044
Product:	Chloramine-T trihydrate, 98%
Lot No.:	10239484

Appearance:	White powder
Melting Point:	166°C(dec)
Assay (Iodometric titration):	100.5%
Identification (FTIR):	Conforms

Order our products online **thermofisher.com/chemicals**

This document has been electronically generated and does not require a signature.

Products are processed under ISO 9001:2015 quality management systems and samples are tested for conformance to the noted specifications. Certain data may have been supplied by third parties. We disclaim the implied warranties of merchantability and fitness for a particular purpose, and the accuracy of third party data or information associated with the product. Products are for research and development use only. Products are not for direct administration to humans or animals. It is the responsibility of the final formulator or end user to determine suitability, and to qualify and/or validate each product for its intended use.

RICCA CHEMICAL COMPANY®
W3154 Rec. on 12/2/24 by IZ

448 West Fork Dr
Arlington, TX 76012
http://www.riccachemical.com
1-888-GO-RICCA
customerservice@riccachemical.com

Certificate of Analysis

Cyanide Standard, 1000 ppm CN^-

Lot Number: 1411J58 **Product Number:** 2543

Manufacture Date: NOV 22, 2024
Expiration Date: MAY 2025

This standard is prepared using accurate volumetric techniques from material that has been assayed against Silver Nitrate solution certifiec traceable to NIST Standard Reference Material 999. The certified value reported is the prepared value based upon the method of preparation of the material. The uncertainty in the prepared value is the combined uncertainty based on the stability of the assayed Potassium Cyanide, and the uncertainty in the mass and volume measurements.
Use 0.16% (w/v) (0.04 N) Sodium Hydroxide or 0.225 % (w/v) (0.04 N) Potassium Hydroxide to make dilutions of this standard. Restandardize weekly if extreme accuracy is required.

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Cyanide	151-50-8	ACS
Sodium Hydroxide	1310-73-2	Reagent

Test	Specification	Result
Appearance	Colorless liquid	Passed
Cyanide (CN^-)	995-1005 ppm	1000 ppm

Specification	Reference
Stock Standard Cyanide Solution	APHA (4500-CN- F)
Stock Cyanide Solution	APHA (4500-CN- E)
Stock Cyanide Solution	APHA (4500-CN- K)
Stock Cyanide Solution	APHA (4500-CN- H)
Cyanide Reference Solution (1000 mg/L)	EPA (SW-846) (7.3.3.2)
Cyanide Calibration Stock Solution (1,000 mg/L CN-)	EPA (SW-846) (9213)
Stock Cyanide Solution	EPA (335.3)
Stock Cyanide Solution	EPA (335.2)
Cyanide Solution Stock	ASTM (D 4282)
Simple Cyanide Solution, Stock (1.0 g/L CN)	ASTM (D 4374)

Volumetric glassware complies with Class A tolerance requirements of ASTM E 288 and NIST Circular 434; it is calibrated before first use and recalibrated regularly in accordance with ASTM E 542 and NIST Procedure NBSIR 74-461. Balances are calibrated regularly with weights certified traceable to the NIST national mass standard. Thermometers and temperature probes are calibrated before first use and recalibrated regularly with a thermometer traceable to NIST standards. All products are prepared according to master documents that assure manufacture according to validated methods. Batch records document raw material traceability and production and testing history for each lot manufactured.

Part Number	Size / Package Type	Shelf Life (Unopened Container)
2543-16	500 mL amber poly	6 months
2543-32	1 L amber poly	6 months
2543-4	120 mL amber poly	6 months

Recommended Storage: 2°C - 8°C (36°F - 46°F)



Luis Briceno (11/22/2024)
Operations Supervisor

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Alliance TECHNICAL GROUP

Water Cyanide Preparation Sheet

PB165890

SOP ID : MSFAM01.1-Cyanide-2

SDG No : ME2927

Matrix : WATER

Pippete ID : WC

Balance ID : N/A

Hood ID : HOOD#1

Block ID : MC-1, MC-2

Weigh By : N/A

Start Digest Date: 12/27/2024 **Time :** 08:00 **Temp :** 123 °C

End Digest Date: 12/27/2024 **Time :** 09:30 **Temp :** 127 °C

1st batch 12/27/2024 09:55 124 C
12/27/2024 11:25 126 C

Digestion tube ID : M5595

Filter paper ID : N/A

pH Meter ID : N/A

Block Thermometer ID : WC CYANIDE

Prep Technician Signature:

Supervisor Signature:

Standared Name	MLS USED	STD REF. # FROM LOG
PBW	50.0ML	W3112
MATRIX SPIKE SOLUTION	1.0ML	WP110899
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
0.25N NaOH	50.0ML	WP108640
50% v/v H2SO4	5.0ML	WP108076
51% w/v MgCL2	2.0ML	WP108075
pH Paper 0-14	N/A	W3121
Nitrate/Nitrite Strip	N/A	W3101
Lead Acetate strip	N/A	W3134
KI-starch paper	N/A	W2965
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

LAB SAMPLE ID	CLIENT SAMPLE ID	Wt(g)/Vol(ml)	Comment
S0	S0	50.0ML	WP111244 1st batch
S5.0	S5.0	50.0ML	WP111245 "
S10.0	S10.0	50.0ML	WP111243 "
S100.0	S100.0	50.0ML	WP111242 "
S250.0	S250.0	50.0ML	WP111241 "
S500.0	S500.0	50.0ML	WP111240 "
ICV	ICV	50.0ML	WP111246 "
ICB	ICB	50.0ML	WP108640 "
CCV	CCV	50.0ML	WP111247 "
CCB	CCB	50.0ML	WP108640 "
Midrange	Midrange	N/A	N/A
HIGHSTD	HIGHSTD	N/A	N/A
LOWSTD	LOWSTD	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

MIDI-DISTILATION_AQUEOUS; I-ST BATCH MC-2 START TEMP:123 C; MC-2 END TEMP: 126 C; Block Therm.ID: WC-CYANIDE-2,

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
12/27/2024 09:45	/ WC	NF(WC)
12/27/2024 11:35	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Cyanide Preparation Sheet

PB165890

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
P5354-01	ME2927	50	50	>10	Negative	Negative	Negative	N/A 11 batch	N/A
P5354-02	ME2928	50	50	>10	Negative	Negative	Negative	N/A "	N/A
P5354-03	ME2928D	50	50	>10	Negative	Negative	Negative	N/A "	N/A
P5354-04	ME2928S	50	50	>10	Negative	Negative	Negative	N/A "	N/A
PB165890BL	PBW890	50	50	>10	Negative	Negative	Negative	N/A 1 batch	N/A

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB134108

Review By	Rubina Mughal	Review On	12/30/2024 9:48:06 AM
Supervise By	Iwona Zarych	Supervise On	12/30/2024 11:02:26 AM

STD. NAME	STD REF.#
ICAL Standard	WP111244,WP111245,WP111243,WP111242,WP111241,WP111240
ICV Standard	WP111246
CCV Standard	WP111247
ICSA Standard	
CRI Standard	
LCS Standard	
Chk Standard	WP109089,WP110103,WP111248

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0.0	S0	CAL1	12/27/24 10:32		rubina	OK
2	S5.0	S01	CAL2	12/27/24 10:32		rubina	OK
3	S10.0	S02	CAL3	12/27/24 10:32		rubina	OK
4	S100.0	S03	CAL4	12/27/24 10:32		rubina	OK
5	S250.0	S04	CAL5	12/27/24 10:32		rubina	OK
6	S500.0	S05	CAL6	12/27/24 10:32		rubina	OK
7	ICV001	ICV001	ICV	12/27/24 12:17		rubina	OK
8	ICB001	ICB001	ICB	12/27/24 12:17		rubina	OK
9	CCV001	CCV001	CCV	12/27/24 12:17		rubina	OK
10	CCB001	CCB001	CCB	12/27/24 12:17		rubina	OK
11	PB165889BL	PBS889	MB	12/27/24 12:17		rubina	OK
12	P5352-01	ME2922	SAM	12/27/24 12:17		rubina	OK
13	P5352-02	ME2924	SAM	12/27/24 12:24		rubina	OK
14	P5352-03	ME2925	SAM	12/27/24 12:24		rubina	OK
15	P5352-04	ME2926	SAM	12/27/24 12:24		rubina	OK
16	P5352-05	ME2926D	DUP	12/27/24 12:24		rubina	OK
17	P5352-06	ME2926S	MS	12/27/24 12:24		rubina	OK
18	CCV002	CCV002	CCV	12/27/24 12:24		rubina	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

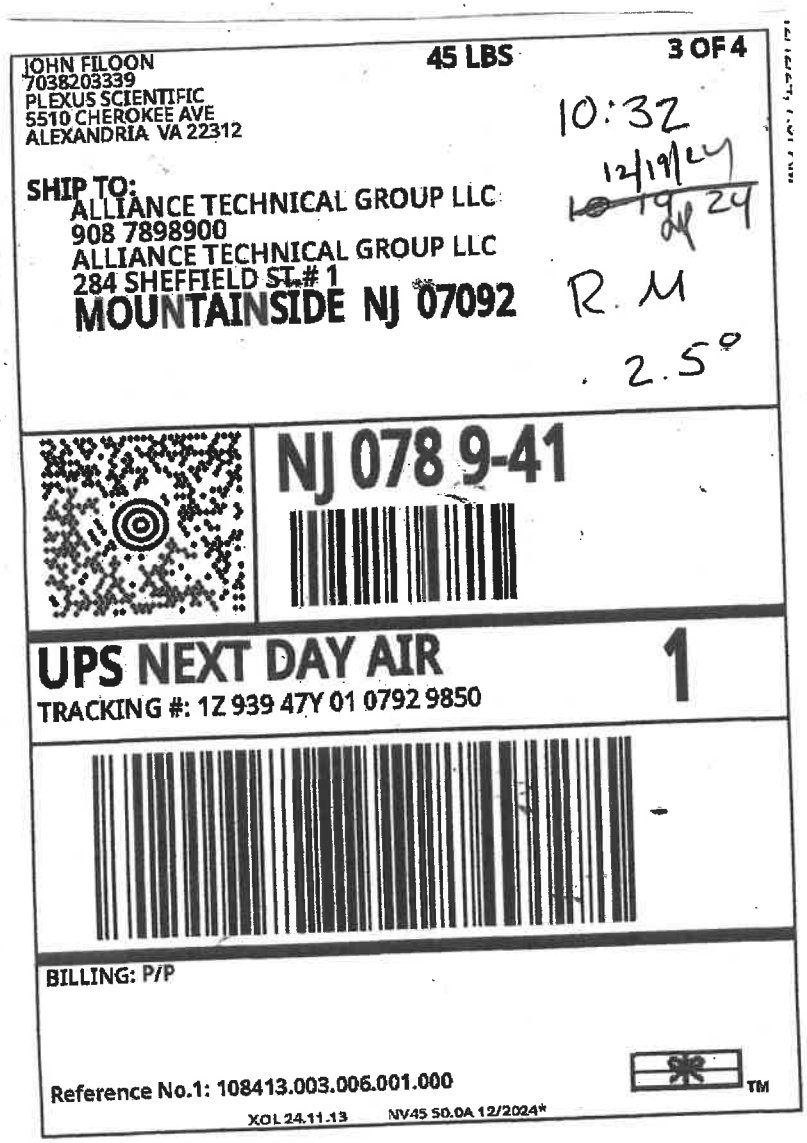
Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB134108

Review By	Rubina Mughal	Review On	12/30/2024 9:48:06 AM
Supervise By	Iwona Zarych	Supervise On	12/30/2024 11:02:26 AM

STD. NAME	STD REF.#
ICAL Standard	WP111244,WP111245,WP111243,WP111242,WP111241,WP111240
ICV Standard	WP111246
CCV Standard	WP111247
ICSA Standard	
CRI Standard	
LCS Standard	
Chk Standard	WP109089,WP110103,WP111248

19	CCB002	CCB002	CCB	12/27/24 12:24		rubina	OK
20	PB165890BL	PBW890	MB	12/27/24 12:24		rubina	OK
21	P5354-01	ME2927	SAM	12/27/24 12:31		rubina	OK
22	P5354-02	ME2928	SAM	12/27/24 12:31		rubina	OK
23	P5354-03	ME2928D	DUP	12/27/24 12:31		rubina	OK
24	P5354-04	ME2928S	MS	12/27/24 12:31		rubina	OK
25	CCV003	CCV003	CCV	12/27/24 12:31		rubina	OK
26	CCB003	CCB003	CCB	12/27/24 12:31		rubina	OK



JOHN FILOON
7038203339
PLEXUS SCIENTIFIC
5510 CHEROKEE AVE
ALEXANDRIA VA 22312

45 LBS

3 OF 4

10:32
12/19/24
~~12/19/24~~

SHIP TO:
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908 7898900
ALLIANCE TECHNICAL GROUP LLC
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2.5°

NJ 078 9-41

UPS NEXT DAY AIR

1

TRACKING #: 1Z 939 47Y 01 0792 9850

BILLING: P/P

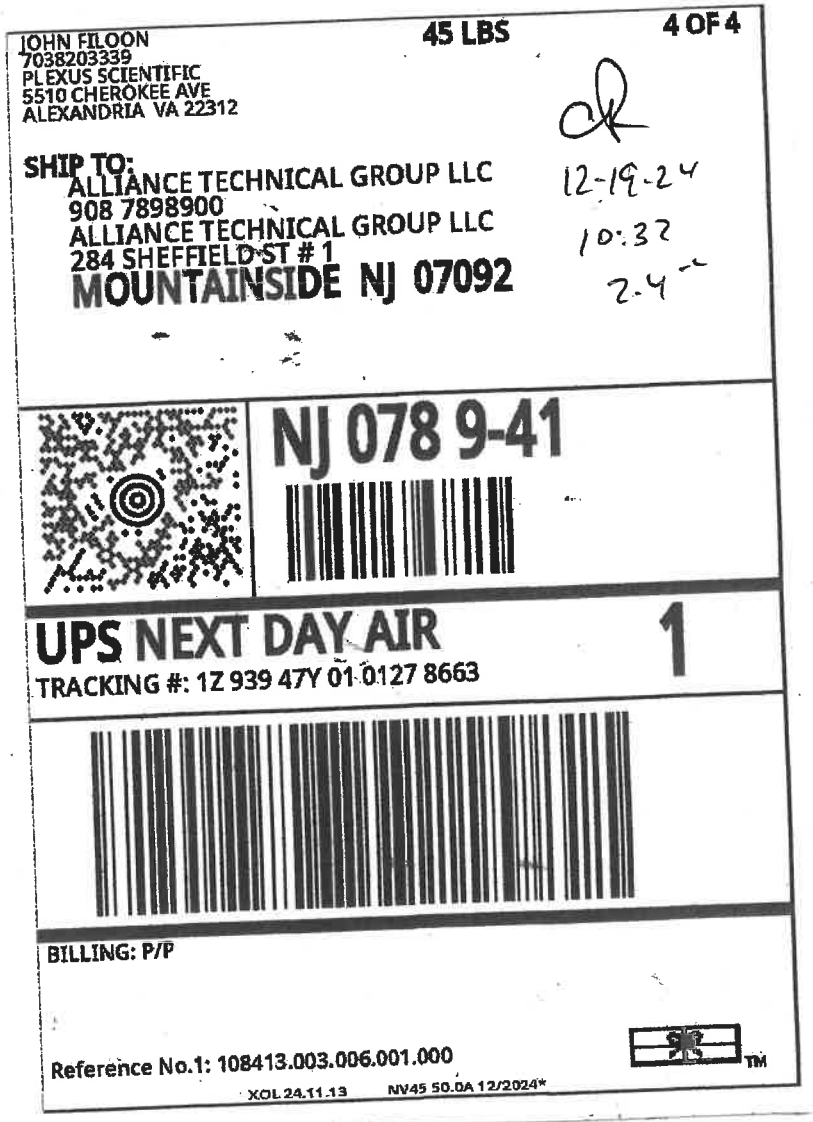
Reference No.1: 108413.003.006.001.000

XOL 24.11.13 NV45 50.0A 12/2024*

TM

929

930



JOHN FILOON
7038203339
PLEXUS SCIENTIFIC
5510 CHEROKEE AVE
ALEXANDRIA VA 22312

45 LBS

4 OF 4

12-19-24
10:32
2-4

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ALLIANCE TECHNICAL GROUP LLC
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MOUNTAINSIDE NJ 07092

NJ 078 9-41

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1

TRACKING #: 1Z 939 47Y 01 0127 8663

BILLING: P/P

Reference No.1: 108413.003.006.001.000

XOL 24.11.13 NV45 50.0A 12/2024*

Alliance TECHNICAL GROUP 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Login Summary Report

Order ID :	P5354	Order Date :	12/19/2024 10:32:00 AM	Project Mgr :	Deepak
Client :	USEPA CLP SMO	Project :	51847	Report Type :	USEPA CLP
Contact :	Anita Kapadia	Receive Date :	12/19/2024 10:32:00 AM	EDD Type :	EPA CLP
Date Sign Off :	12/23/2024 8:57:34 AM				

Sample ID	Client ID	Matrix	Sampling Date	Test	Test Group	Method	TAT Days	Fax Due Date	HC Due Date
P5354-01	ME2927	Water	12/17/2024						
				Cyanide		SFAM_CN	15	01/09/2025	01/09/2025
				Mercury		SFAM_HG	15	01/09/2025	01/09/2025
				Metals CLP MS		SFAM_MS	15	01/09/2025	01/09/2025
P5354-02	ME2928	Water	12/17/2024						
				Cyanide		SFAM_CN	15	01/09/2025	01/09/2025
				Mercury		SFAM_HG	15	01/09/2025	01/09/2025
				Metals CLP MS		SFAM_MS	15	01/09/2025	01/09/2025
P5354-03	ME2928D	Water	12/17/2024						
				Cyanide		SFAM_CN	15	01/09/2025	01/09/2025
				Mercury		SFAM_HG	15	01/09/2025	01/09/2025
				Metals CLP MS		SFAM_MS	15	01/09/2025	01/09/2025
P5354-04	ME2928S	Water	12/17/2024						
				Cyanide		SFAM_CN	15	01/09/2025	01/09/2025
				Mercury		SFAM_HG	15	01/09/2025	01/09/2025
				Metals CLP MS		SFAM_MS	15	01/09/2025	01/09/2025

WORKLIST(Hardcopy Internal Chain)

WorkList Name : PB165859 **WorkList ID :** 186623 **Department :** Digestion **Date :** 12-26-2024 11:22:11

932

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5254-12	MJNLG1	Water	Metals CLP MS-CLP4	1:1 HNO3 to pH < 2	USEP01	C11	12/09/2024	SFAM_MS
P5255-07	MJNLC3	Water	Metals CLP MS-CLP4	1:1 HNO3 to pH < 2	USEP01	C12	12/05/2024	SFAM_MS
P5347-01	MJNBZ9	Water	Metals CLP MS	1:1 HNO3 to pH < 2	USEP01	C11	12/16/2024	SFAM_MS
P5347-02	MJNBZ9D	Water	Metals CLP MS	1:1 HNO3 to pH < 2	USEP01	C11	12/16/2024	SFAM_MS
P5347-03	MJNBZ9S	Water	Metals CLP MS	1:1 HNO3 to pH < 2	USEP01	C11	12/16/2024	SFAM_MS
P5347-04	MJNC00	Water	Metals CLP MS	1:1 HNO3 to pH < 2	USEP01	C11	12/16/2024	SFAM_MS
P5354-01	ME2927	Water	Metals CLP MS	1:1 HNO3 to pH < 2	USEP01	C11	12/17/2024	SFAM_MS
P5354-02	ME2928	Water	Metals CLP MS	1:1 HNO3 to pH < 2	USEP01	C43	12/17/2024	SFAM_MS
P5354-03	ME2928D	Water	Metals CLP MS	1:1 HNO3 to pH < 2	USEP01	C43	12/17/2024	SFAM_MS
P5354-04	ME2928S	Water	Metals CLP MS	1:1 HNO3 to pH < 2	USEP01	C43	12/17/2024	SFAM_MS
P5363-14	MJNLE3	Water	Metals CLP MS	1:1 HNO3 to pH < 2	USEP01	C43	12/17/2024	SFAM_MS
P5363-15	MJNLF9	Water	Metals CLP MS-CLP4	1:1 HNO3 to pH < 2	USEP01	C21	12/12/2024	SFAM_MS
P5363-16	MJNLG0	Water	Metals CLP MS-CLP4	1:1 HNO3 to pH < 2	USEP01	C21	12/13/2024	SFAM_MS
P5364-20	MJNLC4	Water	Metals CLP MS-CLP4	1:1 HNO3 to pH < 2	USEP01	C21	12/16/2024	SFAM_MS
		Water	Metals CLP MS-CLP4	1:1 HNO3 to pH < 2	USEP01	C12	12/19/2024	SFAM_MS

Date/Time 12/26/24 11:38

Raw Sample Received by: SLD. met digestion

Raw Sample Relinquished by: CP

Date/Time 12/26/24 12:38

Raw Sample Received by: CP

Raw Sample Relinquished by: SLD. met digestion

WORKLIST(Hardcopy Internal Chain)

WorkList Name : 010225_HgW **WorkList ID :** 186731 **Department :** Digestion **Date :** 01-02-2025 09:44:58

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5347-01	MJNBZ9	Water	Mercury	1:1 HNO3 to pH < 2	USEP01	C11	12/16/2024	SFAM_HG
P5347-04	MJNC00	Water	Mercury	1:1 HNO3 to pH < 2	USEP01	C11	12/17/2024	SFAM_HG
P5347-08	MJNC00D	Water	Mercury	1:1 HNO3 to pH < 2	USEP01	C11	12/17/2024	SFAM_HG
P5347-09	MJNC00S	Water	Mercury	1:1 HNO3 to pH < 2	USEP01	C11	12/17/2024	SFAM_HG
P5354-01	ME2927	Water	Mercury	1:1 HNO3 to pH < 2	USEP01	C11	12/17/2024	SFAM_HG
P5354-02	ME2928	Water	Mercury	1:1 HNO3 to pH < 2	USEP01	C43	12/17/2024	SFAM_HG
P5354-03	ME2928D	Water	Mercury	1:1 HNO3 to pH < 2	USEP01	C43	12/17/2024	SFAM_HG
P5354-04	ME2928S	Water	Mercury	1:1 HNO3 to pH < 2	USEP01	C43	12/17/2024	SFAM_HG

933

Date/Time 1/2/25 @ 9:06

Raw Sample Received by: MG-DLG-CAS

Raw Sample Relinquished by: MG-DLG-CAS

Date/Time 1/2/25 @ 9:30

Raw Sample Received by: MG-DLG-CAS

Raw Sample Relinquished by: MG-DLG-CAS

WORKLIST(Hardcopy Internal Chain)

WorkList Name : cn water p5354 **WorkList ID :** 186636 **Department :** Distillation **Date :** 12-26-2024 16:30:11

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5354-01 B	ME2927	Water	Cyanide	1:1 NaOH to pH >12	USEP01	C43	12/17/2024	SFAM_CN
P5354-02 B	ME2928	Water	Cyanide	1:1 NaOH to pH >12	USEP01	C43	12/17/2024	SFAM_CN
P5354-03	ME2928D	Water	Cyanide	1:1 NaOH to pH >12	USEP01	C43	12/17/2024	SFAM_CN
P5354-04	ME2928S	Water	Cyanide	1:1 NaOH to pH >12	USEP01	C43	12/17/2024	SFAM_CN

934

Date/Time 12.27.2024, 07:45
Raw Sample Received by: [illegible]
Raw Sample Relinquished by: Rm Sm

Date/Time 12.27.2024, 10:45
Raw Sample Received by: Rm Sm
Raw Sample Relinquished by: [illegible]