284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

DATA PACKAGE

METALS

PROJECT NAME : RAYMARK SUPERFUND SITE

NOBIS GROUP

585 Middlesex Street

Lowell, MA - 01851

Phone No: 978-683-0891

ORDER ID : Q2747

ATTENTION : Adam Roy

Laboratory Certification ID # 20012

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Cover Page

Order ID : Q2747

Project ID : Raymark Superfund Site

Client : Nobis Group

Lab Sample Number	Client Sample Number
Q2747-01	OU4-TS-GRILLO-OG2-073125
Q2747-02	OU4-TS-GRILLO-OG2-073125
Q2747-03	OU4-TS-GRILLO-OG3-073125
Q2747-04	OU4-TS-GRILLO-OG3-073125
Q2747-05	OU4-TS-GRILLO-OG4-073125
Q2747-06	OU4-TS-GRILLO-OG4-073125
Q2747-07	OU4-TS-GRILLO-TSCP01-073125
Q2747-08	OU4-TS-GRILLO-TSCP01-073125
Q2747-09	OU4-TS-GRILLO-TSCP02-073125
Q2747-10	OU4-TS-GRILLO-TSCP02-073125

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 manager or his designee, as verified by the following signature.

Signature : _____

Date: 8/13/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Nobis Group
Project Name: Raymark Superfund Site
Project # N/A
Order ID # Q2747
Test Name: SPLP Mercury,SPLP MetalGroup3

A. Number of Samples and Date of Receipt:
5 Solid samples were received on 08/01/2025.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Cyanide, Herbicide Group1, PCB, Pesticide-TCL, SPLP Extraction, SPLP Mercury, SPLP MetalGroup3, SVOCMS Group3 and VOCMS Group3. This data package contains results for SPLP Mercury,SPLP MetalGroup3.

C. Analytical Techniques:
The analysis of SPLP MetalGroup3 was based on method 6020B, digestion based on method 3010 (water). The analysis of SPLP Mercury was based on method 7470A and digestion was based on method 7470 (water).

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Blank Spike met requirements for all compounds.
The Duplicate (OU4-TS-GRILLO-TSCP02-073125MSD) analysis met criteria for all compounds except for Arsenic due to Chemical Interference during digestion process.
The Matrix Spike (OU4-TS-GRILLO-TSCP02-073125MS) analysis met criteria for all compounds except for Antimony, Arsenic, Barium, Chromium, Silver, Thallium, Vanadium and Zinc due to Chemical Interference during digestion process.
The Matrix Spike Duplicate (OU4-TS-GRILLO-TSCP02-073125MSD) analysis met criteria for all compounds except for Antimony, Arsenic, Barium, Chromium, Silver, Thallium, Vanadium and Zinc due to Chemical Interference during digestion process.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution met the acceptable requirements.

E. Additional Comments:
The Post Digest Spike (OU4-TS-GRILLO-TSCP02-073125A) analysis met criteria for all compounds except for Antimony, Arsenic, Barium, Chromium, Silver, Thallium, Vanadium and Zinc due to unknown chemical interference of matrix with the addition of spike amount after digestion and before analysis; matrix has suppression effect during addition of spike.

Q2747 SPLP Metals Group3 all samples with its Qcs diluted 5X Straight due to SPLP fluid which cannot be injected as is without dilution to avoid damage to detector of instrument.

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.

In analytical sequence LB136712 The Result Concentration outside limit for Selenium of CCB02 and CCB04 but, no any sample associated under these CCBs.

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. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

284 Sheffield Street, Mountainside NJ 07092
Tel. 908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following " Results Qualifiers" are used:

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates the analyte was analyzed for, but not detected.
ND	Indicates the analyte was analyzed for, but not detected
E	Indicates the reported value is estimated because of the presence of interference
M	Indicates Duplicate injection precision not met.
N	Indicates the spiked sample recovery is not within control limits.
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).
*	Indicates that the duplicate analysis is not within control limits.
+	Indicates the correlation coefficient for the MSA is less than 0.995.
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers **"P"** for ICP instrument **"PM"** for ICP when Microwave Digestion is used **"CV"** for Manual Cold Vapor AA **"AV"** for automated Cold Vapor AA **"CA"** for MIDI-Distillation Spectrophotometric **"AS"** for Semi –Automated Spectrophotometric **"C"** for Manual Spectrophotometric **"T"** for Titrimetric **"NR"** for analyte not required to be analyzed
OR	Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.
Q	Indicates the LCS did not meet the control limits requirements
H	Sample Analysis Out Of Hold Time

ALLIANCE 284 Sheffield Street, Mountainside New Jersey 07092
NEW JERSEY LAB ID#: 20012: NEW YORK LAB ID#: 11376

METALS CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q2747 MATRIX: Water

METHOD: 6020B,7470A

		NA	NO	YES
1.	Calibration Summary met criteria.			✓
2.	ICP Interference Check Sample Results Summary Submitted.			✓
3.	Serial Dilution Summary (if applicable) Submitted.			✓
4.	Laboratory Control Sample Summary (if applicable) Submitted.			✓
5.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
6.	Matrix Spike/Matrix Spike Duplicate Recoveries Met Criteria		✓	
	If not met, list those compounds and their recoveries which fall outside the acceptable range.			
	The Matrix Spike (OU4-TS-GRILLO-TSCP02-073125MS) analysis met criteria for all compounds except for Antimony, Arsenic, Barium, Chromium, Silver, Thallium, Vanadium and Zinc due to Chemical Interference during digestion process. The Matrix Spike Duplicate (OU4-TS-GRILLO-TSCP02-073125MSD) analysis met criteria for all compounds except for Antimony, Arsenic, Barium, Chromium, Silver, Thallium, Vanadium and Zinc due to Chemical Interference during digestion process.			
7.	Sample Duplicate Analysis Met QC Criteria		✓	
	If not met, list those compounds and their recoveries which fall outside the acceptable range.			
	The Duplicate (OU4-TS-GRILLO-TSCP02-073125MSD) analysis met criteria for all compounds except for Arsenic due to Chemical Interference during digestion process.			
8.	Digestion Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			
9.	Analysis Holding Time Met			✓
	If not met, list those compounds and their recoveries which fall outside the acceptable range.			

METALS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

NA NO YES

ADDITIONAL COMMENTS:

The Post Digest Spike (OU4-TS-GRILLO-TSCP02-073125A) analysis met criteria for all compounds except for Antimony, Arsenic, Barium, Chromium, Silver, Thallium, Vanadium and Zinc due to unknown chemical interference of matrix with the addition of spike amount after digestion and before analysis; matrix has suppression effect during addition of spike.

Q2747 SPLP Metals Group3 all samples diluted 5X Straight due to SPLP fluid which cannot be injected as is without dilution to avoid damage to detector of instrument.

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.

In analytical sequence LB136712 The Result Concentration outside limit for Selenium of CCB02 and CCB04 but, no any sample associated under these CCBs.

_____ _____

QA REVIEW Date

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2747

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: SOHIL JODHANI **Date:** 08/13/2025

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LAB CHRONICLE

OrderID:	Q2747	**OrderDate:**	8/1/2025 10:40:00 AM
Client:	Nobis Group	**Project:**	Raymark Superfund Site
Contact:	Adam Roy	**Location:**	O32,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2747-02	**OU4-TS-GRILLO-OG2-073125**	**Water**			**07/31/25**			**08/01/25**
			SPLP Mercury	7470A		08/06/25	08/07/25	
			SPLP MetalGroup3	6020B		08/05/25	08/05/25	
Q2747-04	**OU4-TS-GRILLO-OG3-073125**	**Water**			**07/31/25**			**08/01/25**
			SPLP Mercury	7470A		08/06/25	08/07/25	
			SPLP MetalGroup3	6020B		08/05/25	08/05/25	
Q2747-06	**OU4-TS-GRILLO-OG4-073125**	**Water**			**07/31/25**			**08/01/25**
			SPLP Mercury	7470A		08/06/25	08/07/25	
			SPLP MetalGroup3	6020B		08/05/25	08/05/25	
Q2747-08	**OU4-TS-GRILLO-TSCP01-073125**	**Water**			**07/31/25**			**08/01/25**
			SPLP Mercury	7470A		08/06/25	08/07/25	
			SPLP MetalGroup3	6020B		08/05/25	08/05/25	
Q2747-10	**OU4-TS-GRILLO-TSCP02-073125**	**Water**			**07/31/25**			**08/01/25**
			SPLP Mercury	7470A		08/06/25	08/07/25	
			SPLP MetalGroup3	6020B		08/05/25	08/05/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2747 **Order ID:** Q2747

Client: Nobis Group **Project ID:** Raymark Superfund Site

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : OU4-TS-GRILLO-OG2-073125									
Q2747-02	OU4-TS-GRILLO-OG2-073125	Water	Arsenic	13.0	D	0.45	1.25	5.00	ug/L
Q2747-02	OU4-TS-GRILLO-OG2-073125	Water	Barium	142	D	1.05	6.25	50.0	ug/L
Q2747-02	OU4-TS-GRILLO-OG2-073125	Water	Chromium	2.40	JD	1.05	3.75	10.0	ug/L
Q2747-02	OU4-TS-GRILLO-OG2-073125	Water	Copper	9.95	JD	1.50	7.50	10.0	ug/L
Q2747-02	OU4-TS-GRILLO-OG2-073125	Water	Lead	3.80	JD	1.05	3.75	5.00	ug/L
Q2747-02	OU4-TS-GRILLO-OG2-073125	Water	Nickel	19.1	D	1.35	3.75	5.00	ug/L
Q2747-02	OU4-TS-GRILLO-OG2-073125	Water	Vanadium	6.00	JD	0.39	1.25	25.0	ug/L
Q2747-02	OU4-TS-GRILLO-OG2-073125	Water	Zinc	1180	D	6.25	7.50	25.0	ug/L
Client ID : OU4-TS-GRILLO-OG3-073125									
Q2747-04	OU4-TS-GRILLO-OG3-073125	Water	Arsenic	20.9	D	0.45	1.25	5.00	ug/L
Q2747-04	OU4-TS-GRILLO-OG3-073125	Water	Barium	112	D	1.05	6.25	50.0	ug/L
Q2747-04	OU4-TS-GRILLO-OG3-073125	Water	Beryllium	3.55	JD	1.60	3.75	5.00	ug/L
Q2747-04	OU4-TS-GRILLO-OG3-073125	Water	Cadmium	4.75	JD	1.70	2.50	5.00	ug/L
Q2747-04	OU4-TS-GRILLO-OG3-073125	Water	Chromium	10.8	D	1.05	3.75	10.0	ug/L
Q2747-04	OU4-TS-GRILLO-OG3-073125	Water	Copper	20.8	D	1.50	7.50	10.0	ug/L
Q2747-04	OU4-TS-GRILLO-OG3-073125	Water	Lead	17.6	D	1.05	3.75	5.00	ug/L
Q2747-04	OU4-TS-GRILLO-OG3-073125	Water	Nickel	52.4	D	1.35	3.75	5.00	ug/L
Q2747-04	OU4-TS-GRILLO-OG3-073125	Water	Vanadium	36.5	D	0.39	1.25	25.0	ug/L
Q2747-04	OU4-TS-GRILLO-OG3-073125	Water	Zinc	1480	D	6.25	7.50	25.0	ug/L
Client ID : OU4-TS-GRILLO-OG4-073125									
Q2747-06	OU4-TS-GRILLO-OG4-073125	Water	Arsenic	22.3	D	0.45	1.25	5.00	ug/L
Q2747-06	OU4-TS-GRILLO-OG4-073125	Water	Barium	110	D	1.05	6.25	50.0	ug/L
Q2747-06	OU4-TS-GRILLO-OG4-073125	Water	Beryllium	3.80	JD	1.60	3.75	5.00	ug/L
Q2747-06	OU4-TS-GRILLO-OG4-073125	Water	Cadmium	4.20	JD	1.70	2.50	5.00	ug/L
Q2747-06	OU4-TS-GRILLO-OG4-073125	Water	Chromium	10.1	D	1.05	3.75	10.0	ug/L
Q2747-06	OU4-TS-GRILLO-OG4-073125	Water	Copper	21.4	D	1.50	7.50	10.0	ug/L
Q2747-06	OU4-TS-GRILLO-OG4-073125	Water	Lead	18.8	D	1.05	3.75	5.00	ug/L
Q2747-06	OU4-TS-GRILLO-OG4-073125	Water	Nickel	53.0	D	1.35	3.75	5.00	ug/L
Q2747-06	OU4-TS-GRILLO-OG4-073125	Water	Mercury	0.17	J	0.076	0.16	0.20	ug/L
Q2747-06	OU4-TS-GRILLO-OG4-073125	Water	Vanadium	37.8	D	0.39	1.25	25.0	ug/L
Q2747-06	OU4-TS-GRILLO-OG4-073125	Water	Zinc	1580	D	6.25	7.50	25.0	ug/L
Client ID : OU4-TS-GRILLO-TSCP01-073125									
Q2747-08	OU4-TS-GRILLO-TSCP01-0731	Water	Arsenic	21.3	D	0.45	1.25	5.00	ug/L
Q2747-08	OU4-TS-GRILLO-TSCP01-0731	Water	Barium	178	D	1.05	6.25	50.0	ug/L
Q2747-08	OU4-TS-GRILLO-TSCP01-0731	Water	Beryllium	1.60	JD	1.60	3.75	5.00	ug/L

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Hit Summary Sheet
SW-846

SDG No.: Q2747 **Order ID:** Q2747

Client: Nobis Group **Project ID:** Raymark Superfund Site

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q2747-08	OU4-TS-GRILLO-TSCP01-0731	Water	Cadmium	4.45	JD	1.70	2.50	5.00	ug/L
Q2747-08	OU4-TS-GRILLO-TSCP01-0731	Water	Chromium	2.90	JD	1.05	3.75	10.0	ug/L
Q2747-08	OU4-TS-GRILLO-TSCP01-0731	Water	Copper	13.3	D	1.50	7.50	10.0	ug/L
Q2747-08	OU4-TS-GRILLO-TSCP01-0731	Water	Lead	9.85	D	1.05	3.75	5.00	ug/L
Q2747-08	OU4-TS-GRILLO-TSCP01-0731	Water	Nickel	20.8	D	1.35	3.75	5.00	ug/L
Q2747-08	OU4-TS-GRILLO-TSCP01-0731	Water	Vanadium	7.75	JD	0.39	1.25	25.0	ug/L
Q2747-08	OU4-TS-GRILLO-TSCP01-0731	Water	Zinc	1510	D	6.25	7.50	25.0	ug/L
Client ID :	**OU4-TS-GRILLO-TSCP02-073125**								
Q2747-10	OU4-TS-GRILLO-TSCP02-0731	Water	Arsenic	19.7	D	0.45	1.25	5.00	ug/L
Q2747-10	OU4-TS-GRILLO-TSCP02-0731	Water	Barium	113	D	1.05	6.25	50.0	ug/L
Q2747-10	OU4-TS-GRILLO-TSCP02-0731	Water	Beryllium	7.60	D	1.60	3.75	5.00	ug/L
Q2747-10	OU4-TS-GRILLO-TSCP02-0731	Water	Cadmium	7.65	D	1.70	2.50	5.00	ug/L
Q2747-10	OU4-TS-GRILLO-TSCP02-0731	Water	Chromium	11.5	D	1.05	3.75	10.0	ug/L
Q2747-10	OU4-TS-GRILLO-TSCP02-0731	Water	Copper	68.6	D	1.50	7.50	10.0	ug/L
Q2747-10	OU4-TS-GRILLO-TSCP02-0731	Water	Lead	48.8	D	1.05	3.75	5.00	ug/L
Q2747-10	OU4-TS-GRILLO-TSCP02-0731	Water	Nickel	45.5	D	1.35	3.75	5.00	ug/L
Q2747-10	OU4-TS-GRILLO-TSCP02-0731	Water	Vanadium	82.9	D	0.39	1.25	25.0	ug/L
Q2747-10	OU4-TS-GRILLO-TSCP02-0731	Water	Zinc	1680	D	6.25	7.50	25.0	ug/L

SAMPLE DATA

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	07/31/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-OG2-073125	SDG No.:	Q2747
Lab Sample ID:	Q2747-02	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-36-0	Antimony	1.25	UDN	5	0.55	1.25	10.0	ug/L	08/05/25 12:30	08/05/25 17:09	6020B	3010A
7440-38-2	Arsenic	13.0	DN*	5	0.45	1.25	5.00	ug/L	08/05/25 12:30	08/05/25 17:09	6020B	3010A
7440-39-3	Barium	142	DN	5	1.05	6.25	50.0	ug/L	08/05/25 12:30	08/05/25 17:09	6020B	3010A
7440-41-7	Beryllium	3.75	UD	5	1.60	3.75	5.00	ug/L	08/05/25 12:30	08/05/25 17:09	6020B	3010A
7440-43-9	Cadmium	2.50	UD	5	1.70	2.50	5.00	ug/L	08/05/25 12:30	08/05/25 17:09	6020B	3010A
7440-47-3	Chromium	2.40	JDN	5	1.05	3.75	10.0	ug/L	08/05/25 12:30	08/05/25 17:09	6020B	3010A
7440-50-8	Copper	9.95	JD	5	1.50	7.50	10.0	ug/L	08/05/25 12:30	08/05/25 17:09	6020B	3010A
7439-92-1	Lead	3.80	JD	5	1.05	3.75	5.00	ug/L	08/05/25 12:30	08/05/25 17:09	6020B	3010A
7439-97-6	Mercury	0.16	U	1	0.076	0.16	0.20	ug/L	08/06/25 12:30	08/07/25 10:12	7470A	
7440-02-0	Nickel	19.1	D	5	1.35	3.75	5.00	ug/L	08/05/25 12:30	08/05/25 17:09	6020B	3010A
7782-49-2	Selenium	22.5	UD	5	14.5	22.5	25.0	ug/L	08/05/25 12:30	08/05/25 17:09	6020B	3010A
7440-22-4	Silver	2.50	UDN	5	0.30	2.50	5.00	ug/L	08/05/25 12:30	08/05/25 17:09	6020B	3010A
7440-28-0	Thallium	2.50	UDN	5	0.30	2.50	5.00	ug/L	08/05/25 12:30	08/05/25 17:09	6020B	3010A
7440-62-2	Vanadium	6.00	JDN	5	0.39	1.25	25.0	ug/L	08/05/25 12:30	08/05/25 17:09	6020B	3010A
7440-66-6	Zinc	1180	DN	5	6.25	7.50	25.0	ug/L	08/05/25 12:30	08/05/25 17:09	6020B	3010A

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	SPLP Mercury				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	07/31/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-OG3-073125	SDG No.:	Q2747
Lab Sample ID:	Q2747-04	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-36-0	Antimony	1.25	UDN	5	0.55	1.25	10.0	ug/L	08/05/25 12:30	08/05/25 17:12	6020B	3010A
7440-38-2	Arsenic	20.9	DN*	5	0.45	1.25	5.00	ug/L	08/05/25 12:30	08/05/25 17:12	6020B	3010A
7440-39-3	Barium	112	DN	5	1.05	6.25	50.0	ug/L	08/05/25 12:30	08/05/25 17:12	6020B	3010A
7440-41-7	Beryllium	3.55	JD	5	1.60	3.75	5.00	ug/L	08/05/25 12:30	08/05/25 17:12	6020B	3010A
7440-43-9	Cadmium	4.75	JD	5	1.70	2.50	5.00	ug/L	08/05/25 12:30	08/05/25 17:12	6020B	3010A
7440-47-3	Chromium	10.8	DN	5	1.05	3.75	10.0	ug/L	08/05/25 12:30	08/05/25 17:12	6020B	3010A
7440-50-8	Copper	20.8	D	5	1.50	7.50	10.0	ug/L	08/05/25 12:30	08/05/25 17:12	6020B	3010A
7439-92-1	Lead	17.6	D	5	1.05	3.75	5.00	ug/L	08/05/25 12:30	08/05/25 17:12	6020B	3010A
7439-97-6	Mercury	0.16	U	1	0.076	0.16	0.20	ug/L	08/06/25 12:30	08/07/25 10:14	7470A	
7440-02-0	Nickel	52.4	D	5	1.35	3.75	5.00	ug/L	08/05/25 12:30	08/05/25 17:12	6020B	3010A
7782-49-2	Selenium	22.5	UD	5	14.5	22.5	25.0	ug/L	08/05/25 12:30	08/05/25 17:12	6020B	3010A
7440-22-4	Silver	2.50	UDN	5	0.30	2.50	5.00	ug/L	08/05/25 12:30	08/05/25 17:12	6020B	3010A
7440-28-0	Thallium	2.50	UDN	5	0.30	2.50	5.00	ug/L	08/05/25 12:30	08/05/25 17:12	6020B	3010A
7440-62-2	Vanadium	36.5	DN	5	0.39	1.25	25.0	ug/L	08/05/25 12:30	08/05/25 17:12	6020B	3010A
7440-66-6	Zinc	1480	DN	5	6.25	7.50	25.0	ug/L	08/05/25 12:30	08/05/25 17:12	6020B	3010A

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	SPLP Mercury				

U = Not Detected
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MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
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J = Estimated Value
B = Analyte Found in Associated Method Blank
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E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Nobis Group	Date Collected:	07/31/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-OG4-073125	SDG No.:	Q2747
Lab Sample ID:	Q2747-06	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-36-0	Antimony	1.25	UDN	5	0.55	1.25	10.0	ug/L	08/05/25 12:30	08/05/25 17:15	6020B	3010A
7440-38-2	Arsenic	22.3	DN*	5	0.45	1.25	5.00	ug/L	08/05/25 12:30	08/05/25 17:15	6020B	3010A
7440-39-3	Barium	110	DN	5	1.05	6.25	50.0	ug/L	08/05/25 12:30	08/05/25 17:15	6020B	3010A
7440-41-7	Beryllium	3.80	JD	5	1.60	3.75	5.00	ug/L	08/05/25 12:30	08/05/25 17:15	6020B	3010A
7440-43-9	Cadmium	4.20	JD	5	1.70	2.50	5.00	ug/L	08/05/25 12:30	08/05/25 17:15	6020B	3010A
7440-47-3	Chromium	10.1	DN	5	1.05	3.75	10.0	ug/L	08/05/25 12:30	08/05/25 17:15	6020B	3010A
7440-50-8	Copper	21.4	D	5	1.50	7.50	10.0	ug/L	08/05/25 12:30	08/05/25 17:15	6020B	3010A
7439-92-1	Lead	18.8	D	5	1.05	3.75	5.00	ug/L	08/05/25 12:30	08/05/25 17:15	6020B	3010A
7439-97-6	Mercury	0.17	J	1	0.076	0.16	0.20	ug/L	08/06/25 12:30	08/07/25 10:17	7470A	
7440-02-0	Nickel	53.0	D	5	1.35	3.75	5.00	ug/L	08/05/25 12:30	08/05/25 17:15	6020B	3010A
7782-49-2	Selenium	22.5	UD	5	14.5	22.5	25.0	ug/L	08/05/25 12:30	08/05/25 17:15	6020B	3010A
7440-22-4	Silver	2.50	UDN	5	0.30	2.50	5.00	ug/L	08/05/25 12:30	08/05/25 17:15	6020B	3010A
7440-28-0	Thallium	2.50	UDN	5	0.30	2.50	5.00	ug/L	08/05/25 12:30	08/05/25 17:15	6020B	3010A
7440-62-2	Vanadium	37.8	DN	5	0.39	1.25	25.0	ug/L	08/05/25 12:30	08/05/25 17:15	6020B	3010A
7440-66-6	Zinc	1580	DN	5	6.25	7.50	25.0	ug/L	08/05/25 12:30	08/05/25 17:15	6020B	3010A

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	SPLP Mercury				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
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E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Nobis Group	Date Collected:	07/31/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-TSCP01-073125	SDG No.:	Q2747
Lab Sample ID:	Q2747-08	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-36-0	Antimony	1.25	UDN	5	0.55	1.25	10.0	ug/L	08/05/25 12:30	08/05/25 17:18	6020B	3010A
7440-38-2	Arsenic	21.3	DN*	5	0.45	1.25	5.00	ug/L	08/05/25 12:30	08/05/25 17:18	6020B	3010A
7440-39-3	Barium	178	DN	5	1.05	6.25	50.0	ug/L	08/05/25 12:30	08/05/25 17:18	6020B	3010A
7440-41-7	Beryllium	1.60	JD	5	1.60	3.75	5.00	ug/L	08/05/25 12:30	08/05/25 17:18	6020B	3010A
7440-43-9	Cadmium	4.45	JD	5	1.70	2.50	5.00	ug/L	08/05/25 12:30	08/05/25 17:18	6020B	3010A
7440-47-3	Chromium	2.90	JDN	5	1.05	3.75	10.0	ug/L	08/05/25 12:30	08/05/25 17:18	6020B	3010A
7440-50-8	Copper	13.3	D	5	1.50	7.50	10.0	ug/L	08/05/25 12:30	08/05/25 17:18	6020B	3010A
7439-92-1	Lead	9.85	D	5	1.05	3.75	5.00	ug/L	08/05/25 12:30	08/05/25 17:18	6020B	3010A
7439-97-6	Mercury	0.16	U	1	0.076	0.16	0.20	ug/L	08/06/25 12:30	08/07/25 10:19	7470A	
7440-02-0	Nickel	20.8	D	5	1.35	3.75	5.00	ug/L	08/05/25 12:30	08/05/25 17:18	6020B	3010A
7782-49-2	Selenium	22.5	UD	5	14.5	22.5	25.0	ug/L	08/05/25 12:30	08/05/25 17:18	6020B	3010A
7440-22-4	Silver	2.50	UDN	5	0.30	2.50	5.00	ug/L	08/05/25 12:30	08/05/25 17:18	6020B	3010A
7440-28-0	Thallium	2.50	UDN	5	0.30	2.50	5.00	ug/L	08/05/25 12:30	08/05/25 17:18	6020B	3010A
7440-62-2	Vanadium	7.75	JDN	5	0.39	1.25	25.0	ug/L	08/05/25 12:30	08/05/25 17:18	6020B	3010A
7440-66-6	Zinc	1510	DN	5	6.25	7.50	25.0	ug/L	08/05/25 12:30	08/05/25 17:18	6020B	3010A

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	SPLP Mercury				

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Report of Analysis

Client:	Nobis Group	Date Collected:	07/31/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-TSCP02-073125	SDG No.:	Q2747
Lab Sample ID:	Q2747-10	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-36-0	Antimony	1.25	UDN	5	0.55	1.25	10.0	ug/L	08/05/25 12:30	08/05/25 17:21	6020B	3010A
7440-38-2	Arsenic	19.7	DN*	5	0.45	1.25	5.00	ug/L	08/05/25 12:30	08/05/25 17:21	6020B	3010A
7440-39-3	Barium	113	DN	5	1.05	6.25	50.0	ug/L	08/05/25 12:30	08/05/25 17:21	6020B	3010A
7440-41-7	Beryllium	7.60	D	5	1.60	3.75	5.00	ug/L	08/05/25 12:30	08/05/25 17:21	6020B	3010A
7440-43-9	Cadmium	7.65	D	5	1.70	2.50	5.00	ug/L	08/05/25 12:30	08/05/25 17:21	6020B	3010A
7440-47-3	Chromium	11.5	DN	5	1.05	3.75	10.0	ug/L	08/05/25 12:30	08/05/25 17:21	6020B	3010A
7440-50-8	Copper	68.6	D	5	1.50	7.50	10.0	ug/L	08/05/25 12:30	08/05/25 17:21	6020B	3010A
7439-92-1	Lead	48.8	D	5	1.05	3.75	5.00	ug/L	08/05/25 12:30	08/05/25 17:21	6020B	3010A
7439-97-6	Mercury	0.16	U	1	0.076	0.16	0.20	ug/L	08/06/25 12:30	08/07/25 10:21	7470A	
7440-02-0	Nickel	45.5	D	5	1.35	3.75	5.00	ug/L	08/05/25 12:30	08/05/25 17:21	6020B	3010A
7782-49-2	Selenium	22.5	UD	5	14.5	22.5	25.0	ug/L	08/05/25 12:30	08/05/25 17:21	6020B	3010A
7440-22-4	Silver	2.50	UDN	5	0.30	2.50	5.00	ug/L	08/05/25 12:30	08/05/25 17:21	6020B	3010A
7440-28-0	Thallium	2.50	UDN	5	0.30	2.50	5.00	ug/L	08/05/25 12:30	08/05/25 17:21	6020B	3010A
7440-62-2	Vanadium	82.9	DN	5	0.39	1.25	25.0	ug/L	08/05/25 12:30	08/05/25 17:21	6020B	3010A
7440-66-6	Zinc	1680	DN	5	6.25	7.50	25.0	ug/L	08/05/25 12:30	08/05/25 17:21	6020B	3010A

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	SPLP Mercury				

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METAL CALIBRATION DATA

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group
SDG No.: Q2747
Contract: NOBI03
Lab Code: ACE
Initial Calibration Source: EPA
Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV56	Mercury	4.03	4.0	101	90 - 110	CV	08/07/2025	09:41	LB136732

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group **SDG No.:** Q2747

Contract: NOBI03 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV95	Mercury	4.88	5.0	98	90 - 110	CV	08/07/2025	09:48	LB136732
CCV96	Mercury	4.98	5.0	100	90 - 110	CV	08/07/2025	10:23	LB136732
CCV97	Mercury	4.82	5.0	96	90 - 110	CV	08/07/2025	10:42	LB136732

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group **SDG No.:** Q2747

Contract: NOBI03 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Antimony	413	400	103	90 - 110	P	08/05/2025	12:52	LB136712
	Arsenic	402	400	100	90 - 110	P	08/05/2025	12:52	LB136712
	Barium	1560	1600	98	90 - 110	P	08/05/2025	12:52	LB136712
	Beryllium	37.5	40.0	94	90 - 110	P	08/05/2025	12:52	LB136712
	Cadmium	201	200	100	90 - 110	P	08/05/2025	12:52	LB136712
	Chromium	163	160	102	90 - 110	P	08/05/2025	12:52	LB136712
	Copper	199	200	100	90 - 110	P	08/05/2025	12:52	LB136712
	Lead	400	400	100	90 - 110	P	08/05/2025	12:52	LB136712
	Nickel	401	400	100	90 - 110	P	08/05/2025	12:52	LB136712
	Selenium	420	400	105	90 - 110	P	08/05/2025	12:52	LB136712
	Silver	203	200	101	90 - 110	P	08/05/2025	12:52	LB136712
	Thallium	376	400	94	90 - 110	P	08/05/2025	12:52	LB136712
	Vanadium	375	400	94	90 - 110	P	08/05/2025	12:52	LB136712
	Zinc	367	400	92	90 - 110	P	08/05/2025	12:52	LB136712

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group **SDG No.:** Q2747

Contract: NOBI03 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Antimony	1.89	2.0	94	80 - 120	P	08/05/2025	13:08	LB136712
	Arsenic	1.14	1.0	114	80 - 120	P	08/05/2025	13:08	LB136712
	Barium	8.96	10.0	90	80 - 120	P	08/05/2025	13:08	LB136712
	Beryllium	1.13	1.0	113	80 - 120	P	08/05/2025	13:08	LB136712
	Cadmium	0.91	1.0	91	80 - 120	P	08/05/2025	13:08	LB136712
	Chromium	1.76	2.0	88	80 - 120	P	08/05/2025	13:08	LB136712
	Copper	1.64	2.0	82	80 - 120	P	08/05/2025	13:08	LB136712
	Lead	0.90	1.0	90	80 - 120	P	08/05/2025	13:08	LB136712
	Nickel	1.11	1.0	111	80 - 120	P	08/05/2025	13:08	LB136712
	Selenium	5.25	5.0	105	80 - 120	P	08/05/2025	13:08	LB136712
	Silver	0.92	1.0	92	80 - 120	P	08/05/2025	13:08	LB136712
	Thallium	0.82	1.0	82	80 - 120	P	08/05/2025	13:08	LB136712
	Vanadium	4.62	5.0	92	80 - 120	P	08/05/2025	13:08	LB136712
	Zinc	5.08	5.0	102	80 - 120	P	08/05/2025	13:08	LB136712

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group **SDG No.:** Q2747

Contract: NOBI03 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Antimony	518	500	104	90 - 110	P	08/05/2025	14:07	LB136712
	Arsenic	495	500	99	90 - 110	P	08/05/2025	14:07	LB136712
	Barium	2580	2500	103	90 - 110	P	08/05/2025	14:07	LB136712
	Beryllium	512	500	102	90 - 110	P	08/05/2025	14:07	LB136712
	Cadmium	497	500	100	90 - 110	P	08/05/2025	14:07	LB136712
	Chromium	519	500	104	90 - 110	P	08/05/2025	14:07	LB136712
	Copper	5080	5000	102	90 - 110	P	08/05/2025	14:07	LB136712
	Lead	2600	2500	104	90 - 110	P	08/05/2025	14:07	LB136712
	Nickel	498	500	100	90 - 110	P	08/05/2025	14:07	LB136712
	Selenium	477	500	95	90 - 110	P	08/05/2025	14:07	LB136712
	Silver	506	500	101	90 - 110	P	08/05/2025	14:07	LB136712
	Thallium	527	500	105	90 - 110	P	08/05/2025	14:07	LB136712
	Vanadium	519	500	104	90 - 110	P	08/05/2025	14:07	LB136712
	Zinc	4870	5000	98	90 - 110	P	08/05/2025	14:07	LB136712
CCV02	Antimony	521	500	104	90 - 110	P	08/05/2025	14:46	LB136712
	Arsenic	514	500	103	90 - 110	P	08/05/2025	14:46	LB136712
	Barium	2600	2500	104	90 - 110	P	08/05/2025	14:46	LB136712
	Beryllium	510	500	102	90 - 110	P	08/05/2025	14:46	LB136712
	Cadmium	509	500	102	90 - 110	P	08/05/2025	14:46	LB136712
	Chromium	517	500	104	90 - 110	P	08/05/2025	14:46	LB136712
	Copper	4980	5000	100	90 - 110	P	08/05/2025	14:46	LB136712
	Lead	2530	2500	101	90 - 110	P	08/05/2025	14:46	LB136712
	Nickel	500	500	100	90 - 110	P	08/05/2025	14:46	LB136712
	Selenium	508	500	102	90 - 110	P	08/05/2025	14:46	LB136712
	Silver	516	500	103	90 - 110	P	08/05/2025	14:46	LB136712
	Thallium	520	500	104	90 - 110	P	08/05/2025	14:46	LB136712
	Vanadium	519	500	104	90 - 110	P	08/05/2025	14:46	LB136712
	Zinc	4930	5000	99	90 - 110	P	08/05/2025	14:46	LB136712
CCV03	Antimony	521	500	104	90 - 110	P	08/05/2025	15:28	LB136712
	Arsenic	488	500	98	90 - 110	P	08/05/2025	15:28	LB136712
	Barium	2570	2500	103	90 - 110	P	08/05/2025	15:28	LB136712
	Beryllium	503	500	101	90 - 110	P	08/05/2025	15:28	LB136712
	Cadmium	501	500	100	90 - 110	P	08/05/2025	15:28	LB136712
	Chromium	518	500	104	90 - 110	P	08/05/2025	15:28	LB136712

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group **SDG No.:** Q2747

Contract: NOBI03 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV03	Copper	4990	5000	100	90 - 110	P	08/05/2025	15:28	LB136712
	Lead	2590	2500	104	90 - 110	P	08/05/2025	15:28	LB136712
	Nickel	493	500	99	90 - 110	P	08/05/2025	15:28	LB136712
	Selenium	481	500	96	90 - 110	P	08/05/2025	15:28	LB136712
	Silver	511	500	102	90 - 110	P	08/05/2025	15:28	LB136712
	Thallium	527	500	106	90 - 110	P	08/05/2025	15:28	LB136712
	Vanadium	526	500	105	90 - 110	P	08/05/2025	15:28	LB136712
	Zinc	4910	5000	98	90 - 110	P	08/05/2025	15:28	LB136712
CCV04	Antimony	526	500	105	90 - 110	P	08/05/2025	16:05	LB136712
	Arsenic	497	500	100	90 - 110	P	08/05/2025	16:05	LB136712
	Barium	2590	2500	104	90 - 110	P	08/05/2025	16:05	LB136712
	Beryllium	509	500	102	90 - 110	P	08/05/2025	16:05	LB136712
	Cadmium	504	500	101	90 - 110	P	08/05/2025	16:05	LB136712
	Chromium	517	500	103	90 - 110	P	08/05/2025	16:05	LB136712
	Copper	4950	5000	99	90 - 110	P	08/05/2025	16:05	LB136712
	Lead	2560	2500	102	90 - 110	P	08/05/2025	16:05	LB136712
	Nickel	492	500	98	90 - 110	P	08/05/2025	16:05	LB136712
	Selenium	492	500	98	90 - 110	P	08/05/2025	16:05	LB136712
	Silver	514	500	103	90 - 110	P	08/05/2025	16:05	LB136712
	Thallium	524	500	105	90 - 110	P	08/05/2025	16:05	LB136712
	Vanadium	523	500	105	90 - 110	P	08/05/2025	16:05	LB136712
	Zinc	4980	5000	100	90 - 110	P	08/05/2025	16:05	LB136712
CCV05	Antimony	509	500	102	90 - 110	P	08/05/2025	16:43	LB136712
	Arsenic	498	500	100	90 - 110	P	08/05/2025	16:43	LB136712
	Barium	2510	2500	101	90 - 110	P	08/05/2025	16:43	LB136712
	Beryllium	504	500	101	90 - 110	P	08/05/2025	16:43	LB136712
	Cadmium	488	500	98	90 - 110	P	08/05/2025	16:43	LB136712
	Chromium	523	500	105	90 - 110	P	08/05/2025	16:43	LB136712
	Copper	4970	5000	100	90 - 110	P	08/05/2025	16:43	LB136712
	Lead	2570	2500	103	90 - 110	P	08/05/2025	16:43	LB136712
	Nickel	490	500	98	90 - 110	P	08/05/2025	16:43	LB136712
	Selenium	485	500	97	90 - 110	P	08/05/2025	16:43	LB136712
	Silver	492	500	98	90 - 110	P	08/05/2025	16:43	LB136712
	Thallium	520	500	104	90 - 110	P	08/05/2025	16:43	LB136712

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group **SDG No.:** Q2747

Contract: NOBI03 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Vanadium	524	500	105	90 - 110	P	08/05/2025	16:43	LB136712
	Zinc	4940	5000	99	90 - 110	P	08/05/2025	16:43	LB136712
CCV06	Antimony	506	500	101	90 - 110	P	08/05/2025	17:37	LB136712
	Arsenic	482	500	96	90 - 110	P	08/05/2025	17:37	LB136712
	Barium	2530	2500	101	90 - 110	P	08/05/2025	17:37	LB136712
	Beryllium	499	500	100	90 - 110	P	08/05/2025	17:37	LB136712
	Cadmium	487	500	97	90 - 110	P	08/05/2025	17:37	LB136712
	Chromium	526	500	105	90 - 110	P	08/05/2025	17:37	LB136712
	Copper	5030	5000	101	90 - 110	P	08/05/2025	17:37	LB136712
	Lead	2560	2500	103	90 - 110	P	08/05/2025	17:37	LB136712
	Nickel	496	500	99	90 - 110	P	08/05/2025	17:37	LB136712
	Selenium	471	500	94	90 - 110	P	08/05/2025	17:37	LB136712
	Silver	494	500	99	90 - 110	P	08/05/2025	17:37	LB136712
	Thallium	522	500	104	90 - 110	P	08/05/2025	17:37	LB136712
	Vanadium	516	500	103	90 - 110	P	08/05/2025	17:37	LB136712
	Zinc	4980	5000	100	90 - 110	P	08/05/2025	17:37	LB136712
CCV07	Antimony	514	500	103	90 - 110	P	08/05/2025	17:53	LB136712
	Arsenic	482	500	96	90 - 110	P	08/05/2025	17:53	LB136712
	Barium	2540	2500	102	90 - 110	P	08/05/2025	17:53	LB136712
	Beryllium	509	500	102	90 - 110	P	08/05/2025	17:53	LB136712
	Cadmium	495	500	99	90 - 110	P	08/05/2025	17:53	LB136712
	Chromium	520	500	104	90 - 110	P	08/05/2025	17:53	LB136712
	Copper	5000	5000	100	90 - 110	P	08/05/2025	17:53	LB136712
	Lead	2560	2500	102	90 - 110	P	08/05/2025	17:53	LB136712
	Nickel	495	500	99	90 - 110	P	08/05/2025	17:53	LB136712
	Selenium	470	500	94	90 - 110	P	08/05/2025	17:53	LB136712
	Silver	502	500	100	90 - 110	P	08/05/2025	17:53	LB136712
	Thallium	525	500	105	90 - 110	P	08/05/2025	17:53	LB136712
	Vanadium	527	500	105	90 - 110	P	08/05/2025	17:53	LB136712
	Zinc	4880	5000	98	90 - 110	P	08/05/2025	17:53	LB136712

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group **SDG No.:** Q2747

Contract: NOBI03 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Antimony	424	400	106	90 - 110	P	08/12/2025	10:51	LB136790
	Arsenic	405	400	101	90 - 110	P	08/12/2025	10:51	LB136790
	Barium	1680	1600	105	90 - 110	P	08/12/2025	10:51	LB136790
	Beryllium	41.0	40.0	102	90 - 110	P	08/12/2025	10:51	LB136790
	Cadmium	215	200	108	90 - 110	P	08/12/2025	10:51	LB136790
	Chromium	167	160	105	90 - 110	P	08/12/2025	10:51	LB136790
	Copper	192	200	96	90 - 110	P	08/12/2025	10:51	LB136790
	Lead	388	400	97	90 - 110	P	08/12/2025	10:51	LB136790
	Nickel	421	400	105	90 - 110	P	08/12/2025	10:51	LB136790
	Selenium	426	400	107	90 - 110	P	08/12/2025	10:51	LB136790
	Silver	216	200	108	90 - 110	P	08/12/2025	10:51	LB136790
	Thallium	394	400	98	90 - 110	P	08/12/2025	10:51	LB136790
	Vanadium	411	400	103	90 - 110	P	08/12/2025	10:51	LB136790
	Zinc	393	400	98	90 - 110	P	08/12/2025	10:51	LB136790

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group **SDG No.:** Q2747

Contract: NOBI03 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Antimony	2.18	2.0	109	80 - 120	P	08/12/2025	10:54	LB136790
	Arsenic	0.97	1.0	97	80 - 120	P	08/12/2025	10:54	LB136790
	Barium	9.81	10.0	98	80 - 120	P	08/12/2025	10:54	LB136790
	Beryllium	1.19	1.0	119	80 - 120	P	08/12/2025	10:54	LB136790
	Cadmium	0.88	1.0	88	80 - 120	P	08/12/2025	10:54	LB136790
	Chromium	2.04	2.0	102	80 - 120	P	08/12/2025	10:54	LB136790
	Copper	1.94	2.0	97	80 - 120	P	08/12/2025	10:54	LB136790
	Lead	0.83	1.0	83	80 - 120	P	08/12/2025	10:54	LB136790
	Nickel	0.91	1.0	91	80 - 120	P	08/12/2025	10:54	LB136790
	Selenium	5.31	5.0	106	80 - 120	P	08/12/2025	10:54	LB136790
	Silver	1.16	1.0	116	80 - 120	P	08/12/2025	10:54	LB136790
	Thallium	0.99	1.0	99	80 - 120	P	08/12/2025	10:54	LB136790
	Vanadium	4.98	5.0	100	80 - 120	P	08/12/2025	10:54	LB136790
	Zinc	4.57	5.0	91	80 - 120	P	08/12/2025	10:54	LB136790

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group **SDG No.:** Q2747

Contract: NOBI03 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Antimony	523	500	104	90 - 110	P	08/12/2025	11:17	LB136790
	Arsenic	506	500	101	90 - 110	P	08/12/2025	11:17	LB136790
	Barium	2590	2500	104	90 - 110	P	08/12/2025	11:17	LB136790
	Beryllium	535	500	107	90 - 110	P	08/12/2025	11:17	LB136790
	Cadmium	509	500	102	90 - 110	P	08/12/2025	11:17	LB136790
	Chromium	520	500	104	90 - 110	P	08/12/2025	11:17	LB136790
	Copper	5070	5000	101	90 - 110	P	08/12/2025	11:17	LB136790
	Lead	2670	2500	107	90 - 110	P	08/12/2025	11:17	LB136790
	Nickel	507	500	102	90 - 110	P	08/12/2025	11:17	LB136790
	Selenium	489	500	98	90 - 110	P	08/12/2025	11:17	LB136790
	Silver	518	500	104	90 - 110	P	08/12/2025	11:17	LB136790
	Thallium	540	500	108	90 - 110	P	08/12/2025	11:17	LB136790
	Vanadium	524	500	105	90 - 110	P	08/12/2025	11:17	LB136790
	Zinc	4990	5000	100	90 - 110	P	08/12/2025	11:17	LB136790
CCV02	Antimony	497	500	99	90 - 110	P	08/12/2025	12:01	LB136790
	Arsenic	486	500	97	90 - 110	P	08/12/2025	12:01	LB136790
	Barium	2490	2500	100	90 - 110	P	08/12/2025	12:01	LB136790
	Beryllium	517	500	103	90 - 110	P	08/12/2025	12:01	LB136790
	Cadmium	485	500	97	90 - 110	P	08/12/2025	12:01	LB136790
	Chromium	499	500	100	90 - 110	P	08/12/2025	12:01	LB136790
	Copper	4860	5000	97	90 - 110	P	08/12/2025	12:01	LB136790
	Lead	2540	2500	101	90 - 110	P	08/12/2025	12:01	LB136790
	Nickel	483	500	97	90 - 110	P	08/12/2025	12:01	LB136790
	Selenium	467	500	93	90 - 110	P	08/12/2025	12:01	LB136790
	Silver	498	500	100	90 - 110	P	08/12/2025	12:01	LB136790
	Thallium	521	500	104	90 - 110	P	08/12/2025	12:01	LB136790
	Vanadium	502	500	100	90 - 110	P	08/12/2025	12:01	LB136790
	Zinc	4790	5000	96	90 - 110	P	08/12/2025	12:01	LB136790
CCV03	Antimony	497	500	100	90 - 110	P	08/12/2025	12:19	LB136790
	Arsenic	492	500	98	90 - 110	P	08/12/2025	12:19	LB136790
	Barium	2490	2500	100	90 - 110	P	08/12/2025	12:19	LB136790
	Beryllium	514	500	103	90 - 110	P	08/12/2025	12:19	LB136790
	Cadmium	479	500	96	90 - 110	P	08/12/2025	12:19	LB136790
	Chromium	504	500	101	90 - 110	P	08/12/2025	12:19	LB136790

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group **SDG No.:** Q2747

Contract: NOBI03 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV03	Copper	4870	5000	97	90 - 110	P	08/12/2025	12:19	LB136790
	Lead	2520	2500	101	90 - 110	P	08/12/2025	12:19	LB136790
	Nickel	489	500	98	90 - 110	P	08/12/2025	12:19	LB136790
	Selenium	465	500	93	90 - 110	P	08/12/2025	12:19	LB136790
	Silver	489	500	98	90 - 110	P	08/12/2025	12:19	LB136790
	Thallium	511	500	102	90 - 110	P	08/12/2025	12:19	LB136790
	Vanadium	517	500	103	90 - 110	P	08/12/2025	12:19	LB136790
	Zinc	4860	5000	97	90 - 110	P	08/12/2025	12:19	LB136790
CCV04	Antimony	498	500	100	90 - 110	P	08/12/2025	12:39	LB136790
	Arsenic	489	500	98	90 - 110	P	08/12/2025	12:39	LB136790
	Barium	2480	2500	99	90 - 110	P	08/12/2025	12:39	LB136790
	Beryllium	474	500	95	90 - 110	P	08/12/2025	12:39	LB136790
	Cadmium	479	500	96	90 - 110	P	08/12/2025	12:39	LB136790
	Chromium	501	500	100	90 - 110	P	08/12/2025	12:39	LB136790
	Copper	4840	5000	97	90 - 110	P	08/12/2025	12:39	LB136790
	Lead	2510	2500	100	90 - 110	P	08/12/2025	12:39	LB136790
	Nickel	482	500	96	90 - 110	P	08/12/2025	12:39	LB136790
	Selenium	476	500	95	90 - 110	P	08/12/2025	12:39	LB136790
	Silver	490	500	98	90 - 110	P	08/12/2025	12:39	LB136790
	Thallium	515	500	103	90 - 110	P	08/12/2025	12:39	LB136790
	Vanadium	499	500	100	90 - 110	P	08/12/2025	12:39	LB136790
	Zinc	4770	5000	95	90 - 110	P	08/12/2025	12:39	LB136790

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Metals

- 2b -
CRDL STANDARD FOR AA & ICP

Client: Nobis Group **SDG No.:** Q2747

Contract: NOBI03 **Lab Code:** ACE

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI	Antimony	1.83	2.0	92	70 - 130	P	08/05/2025	14:14	LB136712
	Arsenic	1.02	1.0	102	70 - 130	P	08/05/2025	14:14	LB136712
	Barium	8.77	10.0	88	70 - 130	P	08/05/2025	14:14	LB136712
	Beryllium	1.07	1.0	107	70 - 130	P	08/05/2025	14:14	LB136712
	Cadmium	0.86	1.0	86	70 - 130	P	08/05/2025	14:14	LB136712
	Chromium	1.84	2.0	92	70 - 130	P	08/05/2025	14:14	LB136712
	Copper	1.70	2.0	85	70 - 130	P	08/05/2025	14:14	LB136712
	Lead	0.88	1.0	88	70 - 130	P	08/05/2025	14:14	LB136712
	Nickel	1.05	1.0	105	70 - 130	P	08/05/2025	14:14	LB136712
	Selenium	4.70	5.0	94	70 - 130	P	08/05/2025	14:14	LB136712
	Silver	0.92	1.0	92	70 - 130	P	08/05/2025	14:14	LB136712
	Thallium	0.88	1.0	88	70 - 130	P	08/05/2025	14:14	LB136712
	Vanadium	4.63	5.0	93	70 - 130	P	08/05/2025	14:14	LB136712
	Zinc	4.35	5.0	87	50 - 150	P	08/05/2025	14:14	LB136712
CRA	Mercury	0.16	0.2	81	70 - 130	CV	08/07/2025	09:58	LB136732
CRI	Antimony	2.08	2.0	104	70 - 130	P	08/12/2025	11:23	LB136790
	Arsenic	0.97	1.0	97	70 - 130	P	08/12/2025	11:23	LB136790
	Barium	9.63	10.0	96	70 - 130	P	08/12/2025	11:23	LB136790
	Beryllium	1.16	1.0	116	70 - 130	P	08/12/2025	11:23	LB136790
	Cadmium	0.79	1.0	79	70 - 130	P	08/12/2025	11:23	LB136790
	Chromium	2.02	2.0	101	70 - 130	P	08/12/2025	11:23	LB136790
	Copper	1.94	2.0	97	70 - 130	P	08/12/2025	11:23	LB136790
	Lead	0.85	1.0	85	70 - 130	P	08/12/2025	11:23	LB136790
	Nickel	0.82	1.0	82	70 - 130	P	08/12/2025	11:23	LB136790
	Selenium	5.28	5.0	106	70 - 130	P	08/12/2025	11:23	LB136790
	Silver	1.10	1.0	110	70 - 130	P	08/12/2025	11:23	LB136790
	Thallium	0.98	1.0	98	70 - 130	P	08/12/2025	11:23	LB136790
	Vanadium	5.09	5.0	102	70 - 130	P	08/12/2025	11:23	LB136790
	Zinc	4.48	5.0	90	50 - 150	P	08/12/2025	11:23	LB136790

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Nobis Group **SDG No.:** Q2747

Contract: NOBI03 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB56	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	08/07/2025	09:46	LB136732

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Nobis Group **SDG No.:** Q2747

Contract: NOBI03 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB95	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	08/07/2025	09:51	LB136732
CCB96	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	08/07/2025	10:26	LB136732
CCB97	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	08/07/2025	10:44	LB136732

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Nobis Group **SDG No.:** Q2747

Contract: NOBI03 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Antimony	0.11	+/-1	U	0.25	2.00	P	08/05/2025	13:12	LB136712
	Arsenic	0.089	+/-0.5	U	0.25	1.00	P	08/05/2025	13:12	LB136712
	Barium	0.21	+/-5	U	1.25	10.0	P	08/05/2025	13:12	LB136712
	Beryllium	0.32	+/-0.5	U	0.75	1.00	P	08/05/2025	13:12	LB136712
	Cadmium	0.34	+/-0.5	U	0.50	1.00	P	08/05/2025	13:12	LB136712
	Chromium	0.21	+/-1	U	0.75	2.00	P	08/05/2025	13:12	LB136712
	Copper	0.30	+/-1	U	1.50	2.00	P	08/05/2025	13:12	LB136712
	Lead	0.21	+/-0.5	U	0.75	1.00	P	08/05/2025	13:12	LB136712
	Nickel	0.27	+/-0.5	U	0.75	1.00	P	08/05/2025	13:12	LB136712
	Selenium	2.90	+/-2.5	U	4.50	5.00	P	08/05/2025	13:12	LB136712
	Silver	0.060	+/-0.5	U	0.50	1.00	P	08/05/2025	13:12	LB136712
	Thallium	0.060	+/-0.5	U	0.50	1.00	P	08/05/2025	13:12	LB136712
	Vanadium	0.077	+/-2.5	U	0.25	5.00	P	08/05/2025	13:12	LB136712
	Zinc	1.25	+/-2.5	U	1.50	5.00	P	08/05/2025	13:12	LB136712

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Nobis Group **SDG No.:** Q2747

Contract: NOBI03 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Antimony	0.14	+/-1	J	0.25	2.00	P	08/05/2025	14:10	LB136712
	Arsenic	0.089	+/-0.5	U	0.25	1.00	P	08/05/2025	14:10	LB136712
	Barium	0.21	+/-5	U	1.25	10.0	P	08/05/2025	14:10	LB136712
	Beryllium	0.32	+/-0.5	U	0.75	1.00	P	08/05/2025	14:10	LB136712
	Cadmium	0.34	+/-0.5	U	0.50	1.00	P	08/05/2025	14:10	LB136712
	Chromium	0.21	+/-1	U	0.75	2.00	P	08/05/2025	14:10	LB136712
	Copper	0.30	+/-1	U	1.50	2.00	P	08/05/2025	14:10	LB136712
	Lead	0.21	+/-0.5	U	0.75	1.00	P	08/05/2025	14:10	LB136712
	Nickel	0.27	+/-0.5	U	0.75	1.00	P	08/05/2025	14:10	LB136712
	Selenium	2.90	+/-2.5	U	4.50	5.00	P	08/05/2025	14:10	LB136712
	Silver	0.060	+/-0.5	U	0.50	1.00	P	08/05/2025	14:10	LB136712
	Thallium	0.10	+/-0.5	J	0.50	1.00	P	08/05/2025	14:10	LB136712
	Vanadium	0.077	+/-2.5	U	0.25	5.00	P	08/05/2025	14:10	LB136712
	Zinc	1.25	+/-2.5	U	1.50	5.00	P	08/05/2025	14:10	LB136712
CCB02	Antimony	0.11	+/-1	U	0.25	2.00	P	08/05/2025	14:53	LB136712
	Arsenic	0.16	+/-0.5	J	0.25	1.00	P	08/05/2025	14:53	LB136712
	Barium	0.21	+/-5	U	1.25	10.0	P	08/05/2025	14:53	LB136712
	Beryllium	0.32	+/-0.5	U	0.75	1.00	P	08/05/2025	14:53	LB136712
	Cadmium	0.34	+/-0.5	U	0.50	1.00	P	08/05/2025	14:53	LB136712
	Chromium	0.21	+/-1	U	0.75	2.00	P	08/05/2025	14:53	LB136712
	Copper	0.30	+/-1	U	1.50	2.00	P	08/05/2025	14:53	LB136712
	Lead	0.21	+/-0.5	U	0.75	1.00	P	08/05/2025	14:53	LB136712
	Nickel	0.27	+/-0.5	U	0.75	1.00	P	08/05/2025	14:53	LB136712
	Selenium	3.05	+/-2.5	J*	4.50	5.00	P	08/05/2025	14:53	LB136712
	Silver	0.060	+/-0.5	U	0.50	1.00	P	08/05/2025	14:53	LB136712
	Thallium	0.060	+/-0.5	U	0.50	1.00	P	08/05/2025	14:53	LB136712
	Vanadium	0.077	+/-2.5	U	0.25	5.00	P	08/05/2025	14:53	LB136712
	Zinc	1.25	+/-2.5	U	1.50	5.00	P	08/05/2025	14:53	LB136712
CCB03	Antimony	0.14	+/-1	J	0.25	2.00	P	08/05/2025	15:30	LB136712
	Arsenic	0.089	+/-0.5	U	0.25	1.00	P	08/05/2025	15:30	LB136712
	Barium	0.21	+/-5	U	1.25	10.0	P	08/05/2025	15:30	LB136712
	Beryllium	0.32	+/-0.5	U	0.75	1.00	P	08/05/2025	15:30	LB136712
	Cadmium	0.34	+/-0.5	U	0.50	1.00	P	08/05/2025	15:30	LB136712
	Chromium	0.21	+/-1	U	0.75	2.00	P	08/05/2025	15:30	LB136712
	Copper	0.30	+/-1	U	1.50	2.00	P	08/05/2025	15:30	LB136712
	Lead	0.21	+/-0.5	U	0.75	1.00	P	08/05/2025	15:30	LB136712
	Nickel	0.27	+/-0.5	U	0.75	1.00	P	08/05/2025	15:30	LB136712
	Selenium	2.90	+/-2.5	U	4.50	5.00	P	08/05/2025	15:30	LB136712
	Silver	0.060	+/-0.5	U	0.50	1.00	P	08/05/2025	15:30	LB136712

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Nobis Group **SDG No.:** Q2747

Contract: NOBI03 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB03	Thallium	0.060	+/-0.5	J	0.50	1.00	P	08/05/2025	15:30	LB136712
	Vanadium	0.077	+/-2.5	U	0.25	5.00	P	08/05/2025	15:30	LB136712
	Zinc	1.25	+/-2.5	U	1.50	5.00	P	08/05/2025	15:30	LB136712
CCB04	Antimony	0.15	+/-1	J	0.25	2.00	P	08/05/2025	16:08	LB136712
	Arsenic	0.37	+/-0.5	J	0.25	1.00	P	08/05/2025	16:08	LB136712
	Barium	0.21	+/-5	U	1.25	10.0	P	08/05/2025	16:08	LB136712
	Beryllium	0.32	+/-0.5	U	0.75	1.00	P	08/05/2025	16:08	LB136712
	Cadmium	0.34	+/-0.5	U	0.50	1.00	P	08/05/2025	16:08	LB136712
	Chromium	0.21	+/-1	U	0.75	2.00	P	08/05/2025	16:08	LB136712
	Copper	0.30	+/-1	U	1.50	2.00	P	08/05/2025	16:08	LB136712
	Lead	0.21	+/-0.5	U	0.75	1.00	P	08/05/2025	16:08	LB136712
	Nickel	0.27	+/-0.5	U	0.75	1.00	P	08/05/2025	16:08	LB136712
	Selenium	3.92	+/-2.5	J*	4.50	5.00	P	08/05/2025	16:08	LB136712
	Silver	0.060	+/-0.5	U	0.50	1.00	P	08/05/2025	16:08	LB136712
	Thallium	0.060	+/-0.5	U	0.50	1.00	P	08/05/2025	16:08	LB136712
	Vanadium	0.077	+/-2.5	U	0.25	5.00	P	08/05/2025	16:08	LB136712
	Zinc	1.25	+/-2.5	U	1.50	5.00	P	08/05/2025	16:08	LB136712
CCB05	Antimony	0.11	+/-1	U	0.25	2.00	P	08/05/2025	17:02	LB136712
	Arsenic	0.089	+/-0.5	U	0.25	1.00	P	08/05/2025	17:02	LB136712
	Barium	0.21	+/-5	U	1.25	10.0	P	08/05/2025	17:02	LB136712
	Beryllium	0.32	+/-0.5	U	0.75	1.00	P	08/05/2025	17:02	LB136712
	Cadmium	0.34	+/-0.5	U	0.50	1.00	P	08/05/2025	17:02	LB136712
	Chromium	0.21	+/-1	U	0.75	2.00	P	08/05/2025	17:02	LB136712
	Copper	0.30	+/-1	U	1.50	2.00	P	08/05/2025	17:02	LB136712
	Lead	0.21	+/-0.5	U	0.75	1.00	P	08/05/2025	17:02	LB136712
	Nickel	0.27	+/-0.5	U	0.75	1.00	P	08/05/2025	17:02	LB136712
	Selenium	2.90	+/-2.5	U	4.50	5.00	P	08/05/2025	17:02	LB136712
	Silver	0.060	+/-0.5	U	0.50	1.00	P	08/05/2025	17:02	LB136712
	Thallium	0.060	+/-0.5	U	0.50	1.00	P	08/05/2025	17:02	LB136712
	Vanadium	0.077	+/-2.5	U	0.25	5.00	P	08/05/2025	17:02	LB136712
	Zinc	1.25	+/-2.5	U	1.50	5.00	P	08/05/2025	17:02	LB136712
CCB06	Antimony	0.11	+/-1	U	0.25	2.00	P	08/05/2025	17:47	LB136712
	Arsenic	0.089	+/-0.5	U	0.25	1.00	P	08/05/2025	17:47	LB136712
	Barium	0.21	+/-5	U	1.25	10.0	P	08/05/2025	17:47	LB136712
	Beryllium	0.32	+/-0.5	U	0.75	1.00	P	08/05/2025	17:47	LB136712
	Cadmium	0.34	+/-0.5	U	0.50	1.00	P	08/05/2025	17:47	LB136712
	Chromium	0.21	+/-1	U	0.75	2.00	P	08/05/2025	17:47	LB136712
	Copper	0.30	+/-1	U	1.50	2.00	P	08/05/2025	17:47	LB136712
	Lead	0.21	+/-0.5	U	0.75	1.00	P	08/05/2025	17:47	LB136712

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Nobis Group **SDG No.:** Q2747

Contract: NOBI03 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Nickel	0.27	+/-0.5	U	0.75	1.00	P	08/05/2025	17:47	LB136712
	Selenium	2.90	+/-2.5	U	4.50	5.00	P	08/05/2025	17:47	LB136712
	Silver	0.060	+/-0.5	U	0.50	1.00	P	08/05/2025	17:47	LB136712
	Thallium	0.060	+/-0.5	U	0.50	1.00	P	08/05/2025	17:47	LB136712
	Vanadium	0.077	+/-2.5	U	0.25	5.00	P	08/05/2025	17:47	LB136712
	Zinc	1.25	+/-2.5	U	1.50	5.00	P	08/05/2025	17:47	LB136712
CCB07	Antimony	0.11	+/-1	U	0.25	2.00	P	08/05/2025	18:00	LB136712
	Arsenic	0.089	+/-0.5	U	0.25	1.00	P	08/05/2025	18:00	LB136712
	Barium	0.21	+/-5	U	1.25	10.0	P	08/05/2025	18:00	LB136712
	Beryllium	0.32	+/-0.5	U	0.75	1.00	P	08/05/2025	18:00	LB136712
	Cadmium	0.34	+/-0.5	U	0.50	1.00	P	08/05/2025	18:00	LB136712
	Chromium	0.21	+/-1	U	0.75	2.00	P	08/05/2025	18:00	LB136712
	Copper	0.30	+/-1	U	1.50	2.00	P	08/05/2025	18:00	LB136712
	Lead	0.21	+/-0.5	U	0.75	1.00	P	08/05/2025	18:00	LB136712
	Nickel	0.27	+/-0.5	U	0.75	1.00	P	08/05/2025	18:00	LB136712
	Selenium	2.90	+/-2.5	U	4.50	5.00	P	08/05/2025	18:00	LB136712
	Silver	0.060	+/-0.5	U	0.50	1.00	P	08/05/2025	18:00	LB136712
	Thallium	0.060	+/-0.5	U	0.50	1.00	P	08/05/2025	18:00	LB136712
	Vanadium	0.077	+/-2.5	U	0.25	5.00	P	08/05/2025	18:00	LB136712
	Zinc	1.25	+/-2.5	U	1.50	5.00	P	08/05/2025	18:00	LB136712

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Nobis Group **SDG No.:** Q2747

Contract: NOBI03 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Antimony	0.11	+/-1	U	0.25	2.00	P	08/12/2025	11:04	LB136790
	Arsenic	0.089	+/-0.5	U	0.25	1.00	P	08/12/2025	11:04	LB136790
	Barium	0.21	+/-5	U	1.25	10.0	P	08/12/2025	11:04	LB136790
	Beryllium	0.32	+/-0.5	U	0.75	1.00	P	08/12/2025	11:04	LB136790
	Cadmium	0.34	+/-0.5	U	0.50	1.00	P	08/12/2025	11:04	LB136790
	Chromium	0.21	+/-1	U	0.75	2.00	P	08/12/2025	11:04	LB136790
	Copper	0.30	+/-1	U	1.50	2.00	P	08/12/2025	11:04	LB136790
	Lead	0.21	+/-0.5	U	0.75	1.00	P	08/12/2025	11:04	LB136790
	Nickel	0.27	+/-0.5	U	0.75	1.00	P	08/12/2025	11:04	LB136790
	Selenium	2.90	+/-2.5	U	4.50	5.00	P	08/12/2025	11:04	LB136790
	Silver	0.060	+/-0.5	U	0.50	1.00	P	08/12/2025	11:04	LB136790
	Thallium	0.060	+/-0.5	U	0.50	1.00	P	08/12/2025	11:04	LB136790
	Vanadium	0.077	+/-2.5	U	0.25	5.00	P	08/12/2025	11:04	LB136790
	Zinc	1.25	+/-2.5	U	1.50	5.00	P	08/12/2025	11:04	LB136790

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Nobis Group **SDG No.:** Q2747

Contract: NOBI03 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Antimony	0.11	+/-1	U	0.25	2.00	P	08/12/2025	11:20	LB136790
	Arsenic	0.089	+/-0.5	U	0.25	1.00	P	08/12/2025	11:20	LB136790
	Barium	0.21	+/-5	U	1.25	10.0	P	08/12/2025	11:20	LB136790
	Beryllium	0.32	+/-0.5	U	0.75	1.00	P	08/12/2025	11:20	LB136790
	Cadmium	0.34	+/-0.5	U	0.50	1.00	P	08/12/2025	11:20	LB136790
	Chromium	0.21	+/-1	U	0.75	2.00	P	08/12/2025	11:20	LB136790
	Copper	0.30	+/-1	U	1.50	2.00	P	08/12/2025	11:20	LB136790
	Lead	0.21	+/-0.5	U	0.75	1.00	P	08/12/2025	11:20	LB136790
	Nickel	0.27	+/-0.5	U	0.75	1.00	P	08/12/2025	11:20	LB136790
	Selenium	2.90	+/-2.5	U	4.50	5.00	P	08/12/2025	11:20	LB136790
	Silver	0.060	+/-0.5	U	0.50	1.00	P	08/12/2025	11:20	LB136790
	Thallium	0.060	+/-0.5	U	0.50	1.00	P	08/12/2025	11:20	LB136790
	Vanadium	0.077	+/-2.5	U	0.25	5.00	P	08/12/2025	11:20	LB136790
	Zinc	1.25	+/-2.5	U	1.50	5.00	P	08/12/2025	11:20	LB136790
CCB02	Antimony	0.11	+/-1	U	0.25	2.00	P	08/12/2025	12:05	LB136790
	Arsenic	0.089	+/-0.5	U	0.25	1.00	P	08/12/2025	12:05	LB136790
	Barium	0.21	+/-5	U	1.25	10.0	P	08/12/2025	12:05	LB136790
	Beryllium	0.32	+/-0.5	U	0.75	1.00	P	08/12/2025	12:05	LB136790
	Cadmium	0.34	+/-0.5	U	0.50	1.00	P	08/12/2025	12:05	LB136790
	Chromium	0.21	+/-1	U	0.75	2.00	P	08/12/2025	12:05	LB136790
	Copper	0.30	+/-1	U	1.50	2.00	P	08/12/2025	12:05	LB136790
	Lead	0.21	+/-0.5	U	0.75	1.00	P	08/12/2025	12:05	LB136790
	Nickel	0.27	+/-0.5	U	0.75	1.00	P	08/12/2025	12:05	LB136790
	Selenium	2.90	+/-2.5	U	4.50	5.00	P	08/12/2025	12:05	LB136790
	Silver	0.060	+/-0.5	U	0.50	1.00	P	08/12/2025	12:05	LB136790
	Thallium	0.060	+/-0.5	U	0.50	1.00	P	08/12/2025	12:05	LB136790
	Vanadium	0.077	+/-2.5	U	0.25	5.00	P	08/12/2025	12:05	LB136790
	Zinc	1.25	+/-2.5	U	1.50	5.00	P	08/12/2025	12:05	LB136790
CCB03	Antimony	0.11	+/-1	U	0.25	2.00	P	08/12/2025	12:23	LB136790
	Arsenic	0.089	+/-0.5	U	0.25	1.00	P	08/12/2025	12:23	LB136790
	Barium	0.21	+/-5	U	1.25	10.0	P	08/12/2025	12:23	LB136790
	Beryllium	0.32	+/-0.5	U	0.75	1.00	P	08/12/2025	12:23	LB136790
	Cadmium	0.34	+/-0.5	U	0.50	1.00	P	08/12/2025	12:23	LB136790
	Chromium	0.21	+/-1	U	0.75	2.00	P	08/12/2025	12:23	LB136790
	Copper	0.30	+/-1	U	1.50	2.00	P	08/12/2025	12:23	LB136790
	Lead	0.21	+/-0.5	U	0.75	1.00	P	08/12/2025	12:23	LB136790
	Nickel	0.27	+/-0.5	U	0.75	1.00	P	08/12/2025	12:23	LB136790
	Selenium	2.90	+/-2.5	U	4.50	5.00	P	08/12/2025	12:23	LB136790
	Silver	0.060	+/-0.5	U	0.50	1.00	P	08/12/2025	12:23	LB136790

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Nobis Group **SDG No.:** Q2747

Contract: NOBI03 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB03	Thallium	0.060	+/-0.5	U	0.50	1.00	P	08/12/2025	12:23	LB136790
	Vanadium	0.077	+/-2.5	U	0.25	5.00	P	08/12/2025	12:23	LB136790
	Zinc	1.25	+/-2.5	U	1.50	5.00	P	08/12/2025	12:23	LB136790
CCB04	Antimony	0.11	+/-1	U	0.25	2.00	P	08/12/2025	12:47	LB136790
	Arsenic	0.089	+/-0.5	U	0.25	1.00	P	08/12/2025	12:47	LB136790
	Barium	0.21	+/-5	U	1.25	10.0	P	08/12/2025	12:47	LB136790
	Beryllium	0.32	+/-0.5	U	0.75	1.00	P	08/12/2025	12:47	LB136790
	Cadmium	0.34	+/-0.5	U	0.50	1.00	P	08/12/2025	12:47	LB136790
	Chromium	0.21	+/-1	U	0.75	2.00	P	08/12/2025	12:47	LB136790
	Copper	0.30	+/-1	U	1.50	2.00	P	08/12/2025	12:47	LB136790
	Lead	0.21	+/-0.5	U	0.75	1.00	P	08/12/2025	12:47	LB136790
	Nickel	0.27	+/-0.5	U	0.75	1.00	P	08/12/2025	12:47	LB136790
	Selenium	2.90	+/-2.5	U	4.50	5.00	P	08/12/2025	12:47	LB136790
	Silver	0.060	+/-0.5	U	0.50	1.00	P	08/12/2025	12:47	LB136790
	Thallium	0.060	+/-0.5	U	0.50	1.00	P	08/12/2025	12:47	LB136790
	Vanadium	0.077	+/-2.5	U	0.25	5.00	P	08/12/2025	12:47	LB136790
	Zinc	1.25	+/-2.5	U	1.50	5.00	P	08/12/2025	12:47	LB136790

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Nobis Group **SDG No.:** Q2747

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169158BL		**WATER**		**Batch Number:**		**PB169158**		**Prep Date:**	**08/06/2025**	
	Mercury	0.076	<0.2	U	0.16	0.20	CV	08/07/2025	10:07	LB136732
Sample ID	**Analyte**	**Result (ug/L)**	**Acceptance Limit**	**Conc Qual**	LOD **ug/L**	**CRQL ug/L**	**M**	**Analysis Date**	**Analysis Time**	**Run**
PB169158TB		**WATER**		**Batch Number:**		**PB169158**		**Prep Date:**	**08/06/2025**	
	Mercury	0.076	<0.2	U	0.16	0.20	CV	08/07/2025	10:35	LB136732

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Nobis Group **SDG No.:** Q2747

Instrument: P7

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169128BL		**WATER**		**Batch Number:**		**PB169128**		**Prep Date:**	**08/05/2025**	
	Antimony	0.11	<1	U	0.25	2.00	P	08/12/2025	11:28	LB136790
	Arsenic	0.089	<0.5	U	0.25	1.00	P	08/12/2025	11:28	LB136790
	Barium	0.21	<5	U	1.25	10.0	P	08/12/2025	11:28	LB136790
	Beryllium	0.32	<0.5	U	0.75	1.00	P	08/12/2025	11:28	LB136790
	Cadmium	0.34	<0.5	U	0.50	1.00	P	08/12/2025	11:28	LB136790
	Chromium	0.21	<1	U	0.75	2.00	P	08/12/2025	11:28	LB136790
	Copper	0.30	<1	U	1.50	2.00	P	08/12/2025	11:28	LB136790
	Lead	0.21	<0.5	U	0.75	1.00	P	08/12/2025	11:28	LB136790
	Nickel	0.27	<0.5	U	0.75	1.00	P	08/12/2025	11:28	LB136790
	Selenium	2.90	<2.5	U	4.50	5.00	P	08/12/2025	11:28	LB136790
	Silver	0.060	<0.5	U	0.50	1.00	P	08/12/2025	11:28	LB136790
	Thallium	0.060	<0.5	U	0.50	1.00	P	08/12/2025	11:28	LB136790
	Vanadium	0.077	<2.5	U	0.25	5.00	P	08/12/2025	11:28	LB136790
	Zinc	1.25	<2.5	U	1.50	5.00	P	08/12/2025	11:28	LB136790

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169128TB		**WATER**		**Batch Number:**		**PB169128**		**Prep Date:**	**08/05/2025**	
	Antimony	0.11	<1	U	0.25	2.00	P	08/05/2025	17:05	LB136712
	Arsenic	0.089	<0.5	U	0.25	1.00	P	08/05/2025	17:05	LB136712
	Barium	0.21	<5	U	1.25	10.0	P	08/05/2025	17:05	LB136712
	Beryllium	0.32	<0.5	U	0.75	1.00	P	08/05/2025	17:05	LB136712
	Cadmium	0.34	<0.5	U	0.50	1.00	P	08/05/2025	17:05	LB136712
	Chromium	0.21	<1	U	0.75	2.00	P	08/05/2025	17:05	LB136712
	Copper	0.30	<1	U	1.50	2.00	P	08/05/2025	17:05	LB136712
	Lead	0.21	<0.5	U	0.75	1.00	P	08/05/2025	17:05	LB136712
	Nickel	0.27	<0.5	U	0.75	1.00	P	08/05/2025	17:05	LB136712
	Selenium	2.90	<2.5	U	4.50	5.00	P	08/05/2025	17:05	LB136712
	Silver	0.060	<0.5	U	0.50	1.00	P	08/05/2025	17:05	LB136712
	Thallium	0.060	<0.5	U	0.50	1.00	P	08/05/2025	17:05	LB136712
	Vanadium	0.077	<2.5	U	0.25	5.00	P	08/05/2025	17:05	LB136712
	Zinc	1.25	<2.5	U	1.50	5.00	P	08/05/2025	17:05	LB136712

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Metals
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INTERFERENCE CHECK SAMPLE

Client: Nobis Group **SDG No.:** Q2747

Contract: NOBI03 **Lab Code:** ACE

ICS Source: EPA **Instrument ID:** P7

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Antimony	0.98	1.5	65	-2.5	5.5	08/05/2025	13:39	LB136712
	Arsenic	0.32	0.1	320	-1.9	2.1	08/05/2025	13:39	LB136712
	Barium	1.17	1.2	98	-18.8	21.2	08/05/2025	13:39	LB136712
	Beryllium	0.26			-2	2	08/05/2025	13:39	LB136712
	Cadmium	0	0.7		-1.3	2.7	08/05/2025	13:39	LB136712
	Chromium	17.5	21.0	83	17	25	08/05/2025	13:39	LB136712
	Copper	6.40	8.0	80	4	12	08/05/2025	13:39	LB136712
	Lead	3.51	4.0	88	2	6	08/05/2025	13:39	LB136712
	Nickel	5.42	6.0	90	4	8	08/05/2025	13:39	LB136712
	Selenium	0	0.3		-9.7	10	08/05/2025	13:39	LB136712
	Silver	0.040			-2	2	08/05/2025	13:39	LB136712
	Thallium	0.050			-2	2	08/05/2025	13:39	LB136712
	Vanadium	0.16	0.5	32	-9.5	10.5	08/05/2025	13:39	LB136712
	Zinc	9.27	11.0	84	1	21	08/05/2025	13:39	LB136712
ICSAB01	Antimony	18.9	22.0	86	18	26	08/05/2025	14:04	LB136712
	Arsenic	20.1	19.0	106	16.2	21.9	08/05/2025	14:04	LB136712
	Barium	18.6	22.0	84	2	42	08/05/2025	14:04	LB136712
	Beryllium	19.7	19.0	104	16.2	21.9	08/05/2025	14:04	LB136712
	Cadmium	20.7	20.0	104	17	23	08/05/2025	14:04	LB136712
	Chromium	36.4	40.0	91	34	46	08/05/2025	14:04	LB136712
	Copper	23.8	25.0	95	21	29	08/05/2025	14:04	LB136712
	Lead	23.5	25.0	94	21.3	28.8	08/05/2025	14:04	LB136712
	Nickel	27.2	24.0	113	20.4	27.6	08/05/2025	14:04	LB136712
	Selenium	20.4	19.0	107	9	29	08/05/2025	14:04	LB136712
	Silver	17.2	18.0	96	15.3	20.7	08/05/2025	14:04	LB136712
	Thallium	19.8	21.0	94	17.9	24.2	08/05/2025	14:04	LB136712
	Vanadium	18.4	19.0	97	9	29	08/05/2025	14:04	LB136712
	Zinc	26.9	29.0	93	19	39	08/05/2025	14:04	LB136712
ICSA01	Antimony	1.12	1.5	75	-2.5	5.5	08/12/2025	11:11	LB136790
	Arsenic	0.36	0.1	360	-1.9	2.1	08/12/2025	11:11	LB136790
	Barium	1.39	1.2	116	-18.8	21.2	08/12/2025	11:11	LB136790
	Beryllium	0.31			-2	2	08/12/2025	11:11	LB136790
	Cadmium	0.10	0.7	14	-1.3	2.7	08/12/2025	11:11	LB136790
	Chromium	20.2	21.0	96	17	25	08/12/2025	11:11	LB136790
	Copper	7.35	8.0	92	4	12	08/12/2025	11:11	LB136790
	Lead	4.38	4.0	110	2	6	08/12/2025	11:11	LB136790
	Nickel	5.37	6.0	90	4	8	08/12/2025	11:11	LB136790
	Selenium	0.49	0.3	163	-9.7	10	08/12/2025	11:11	LB136790
	Silver	0.040			-2	2	08/12/2025	11:11	LB136790
	Thallium	0.030			-2	2	08/12/2025	11:11	LB136790
	Vanadium	0.21	0.5	42	-9.5	10.5	08/12/2025	11:11	LB136790
	Zinc	9.91	11.0	90	1	21	08/12/2025	11:11	LB136790

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Metals
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INTERFERENCE CHECK SAMPLE

Client: Nobis Group **SDG No.:** Q2747

Contract: NOBI03 **Lab Code:** ACE

ICS Source: EPA **Instrument ID:** P7

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB01	Antimony	21.4	22.0	97	18	26	08/12/2025	11:14	LB136790
	Arsenic	20.1	19.0	106	16.2	21.9	08/12/2025	11:14	LB136790
	Barium	21.4	22.0	97	2	42	08/12/2025	11:14	LB136790
	Beryllium	20.0	19.0	105	16.2	21.9	08/12/2025	11:14	LB136790
	Cadmium	20.5	20.0	102	17	23	08/12/2025	11:14	LB136790
	Chromium	41.0	40.0	102	34	46	08/12/2025	11:14	LB136790
	Copper	26.4	25.0	106	21	29	08/12/2025	11:14	LB136790
	Lead	23.2	25.0	93	21.3	28.8	08/12/2025	11:14	LB136790
	Nickel	26.0	24.0	108	20.4	27.6	08/12/2025	11:14	LB136790
	Selenium	20.2	19.0	106	9	29	08/12/2025	11:14	LB136790
	Silver	20.1	18.0	112	15.3	20.7	08/12/2025	11:14	LB136790
	Thallium	19.7	21.0	94	17.9	24.2	08/12/2025	11:14	LB136790
	Vanadium	20.9	19.0	110	9	29	08/12/2025	11:14	LB136790
	Zinc	29.2	29.0	101	19	39	08/12/2025	11:14	LB136790

METAL QC DATA

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metals
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MATRIX SPIKE SUMMARY

client: Nobis Group **level:** low **sdg no.:** Q2747

contract: NOBI03 **lab code:** ACE

matrix: Water **sample id:** Q2747-10 **client id:** OU4-TS-GRILLO-TSCP02-073125MS

Percent Solids for Sample: NA **Spiked ID:** Q2747-10MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	ug/L	85 - 117	394	D	10.0	UD	500	79	N	P
Arsenic	ug/L	84 - 116	160	D	19.7	D	500	28	N	P
Barium	ug/L	86 - 114	1820	D	113	D	2500	68	N	P
Beryllium	ug/L	83 - 121	463	D	7.60	D	500	91		P
Cadmium	ug/L	87 - 115	472	D	7.65	D	500	93		P
Chromium	ug/L	85 - 116	404	D	11.5	D	500	79	N	P
Copper	ug/L	85 - 118	4470	D	68.6	D	5000	88		P
Lead	ug/L	88 - 115	2370	D	48.8	D	2500	93		P
Nickel	ug/L	85 - 117	510	D	45.5	D	500	93		P
Mercury	ug/L	82 - 119	3.93		0.20	U	4.0	98		CV
Selenium	ug/L	80 - 120	425	D	25.0	UD	500	85		P
Silver	ug/L	85 - 116	65.8	D	5.00	UD	500	13	N	P
Thallium	ug/L	82 - 116	364	D	5.00	UD	500	73	N	P
Vanadium	ug/L	86 - 115	485	D	82.9	D	500	80	N	P
Zinc	ug/L	83 - 119	5350	D	1680	D	5000	73	N	P

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: Nobis Group **level:** low **sdg no.:** Q2747

contract: NOBI03 **lab code:** ACE

matrix: Water **sample id:** Q2747-10 **client id:** OU4-TS-GRILLO-TSCP02-073125MSD

Percent Solids for Sample: NA **Spiked ID:** Q2747-10MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	ug/L	85 - 117	402	D	10.0	UD	500	80	N	P
Arsenic	ug/L	84 - 116	270	D	19.7	D	500	50	N	P
Barium	ug/L	86 - 114	1860	D	113	D	2500	70	N	P
Beryllium	ug/L	83 - 121	459	D	7.60	D	500	90		P
Cadmium	ug/L	87 - 115	482	D	7.65	D	500	95		P
Chromium	ug/L	85 - 116	403	D	11.5	D	500	78	N	P
Copper	ug/L	85 - 118	4500	D	68.6	D	5000	89		P
Lead	ug/L	88 - 115	2380	D	48.8	D	2500	93		P
Nickel	ug/L	85 - 117	512	D	45.5	D	500	93		P
Mercury	ug/L	82 - 119	3.96		0.20	U	4.0	99		CV
Selenium	ug/L	80 - 120	429	D	25.0	UD	500	86		P
Silver	ug/L	85 - 116	67.2	D	5.00	UD	500	13	N	P
Thallium	ug/L	82 - 116	361	D	5.00	UD	500	72	N	P
Vanadium	ug/L	86 - 115	485	D	82.9	D	500	80	N	P
Zinc	ug/L	83 - 119	5370	D	1680	D	5000	74	N	P

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Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: Nobis Group **SDG No.:** Q2747

Contract: NOBI03 **Lab Code:** ACE

Matrix: Water **Level:** LOW **Client ID:** OU4-TS-GRILLO-TSCP02-073125A

Sample ID: Q2747-10 **Spiked ID:** Q2747-10A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	ug/L	85 - 117	394	D	10.0	UD	500	79	N	P
Arsenic	ug/L	84 - 116	818	D	19.7	D	500	160	N	P
Barium	ug/L	86 - 114	1840	D	113	D	2500	69	N	P
Chromium	ug/L	85 - 116	402	D	11.5	D	500	78	N	P
Silver	ug/L	85 - 116	65.8	D	5.00	UD	500	13	N	P
Thallium	ug/L	82 - 116	363	D	5.00	UD	500	73	N	P
Vanadium	ug/L	86 - 115	484	D	82.9	D	500	80	N	P
Zinc	ug/L	83 - 119	5350	D	1680	D	5000	73	N	P

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Nobis Group **Level:** LOW **SDG No.:** Q2747

Contract: NOBI03 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q2747-10 **Client ID:** OU4-TS-GRILLO-TSCP02-073125DUP

Percent Solids for Sample: NA **Duplicate ID** Q2747-10DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Antimony	ug/L	20	10.0	UD	10.0	UD			P
Arsenic	ug/L	20	19.7	D	19.7	D	0		P
Barium	ug/L	20	113	D	110	D	3		P
Beryllium	ug/L	20	7.60	D	6.90	D	10		P
Cadmium	ug/L	20	7.65	D	7.20	D	6		P
Chromium	ug/L	20	11.5	D	11.3	D	2		P
Copper	ug/L	20	68.6	D	67.5	D	2		P
Lead	ug/L	20	48.8	D	47.8	D	2		P
Nickel	ug/L	20	45.5	D	46.0	D	1		P
Mercury	ug/L	20	0.20	U	0.20	U			CV
Selenium	ug/L	20	25.0	UD	25.0	UD			P
Silver	ug/L	20	5.00	UD	5.00	UD			P
Thallium	ug/L	20	5.00	UD	5.00	UD			P
Vanadium	ug/L	20	82.9	D	82.3	D	1		P
Zinc	ug/L	20	1680	D	1640	D	2		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Nobis Group **Level:** LOW **SDG No.:** Q2747

Contract: NOBI03 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q2747-10MS **Client ID:** OU4-TS-GRILLO-TSCP02-073125MSD

Percent Solids for Sample: NA **Duplicate ID** Q2747-10MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Antimony	ug/L	20	394	D	402	D	2		P
Arsenic	ug/L	20	160	D	270	D	51	*	P
Barium	ug/L	20	1820	D	1860	D	2		P
Beryllium	ug/L	20	463	D	459	D	1		P
Cadmium	ug/L	20	472	D	482	D	2		P
Chromium	ug/L	20	404	D	403	D	0		P
Copper	ug/L	20	4470	D	4500	D	1		P
Lead	ug/L	20	2370	D	2380	D	0		P
Nickel	ug/L	20	510	D	512	D	0		P
Mercury	ug/L	20	3.93		3.96		1		CV
Selenium	ug/L	20	425	D	429	D	1		P
Silver	ug/L	20	65.8	D	67.2	D	2		P
Thallium	ug/L	20	364	D	361	D	1		P
Vanadium	ug/L	20	485	D	485	D	0		P
Zinc	ug/L	20	5350	D	5370	D	0		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Nobis Group **SDG No.:** Q2747

Contract: NOBI03 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169128BS							
Antimony	ug/L	500	539		108	85 - 117	P
Arsenic	ug/L	500	518		104	84 - 116	P
Barium	ug/L	2500	2630		105	86 - 114	P
Beryllium	ug/L	500	535		107	83 - 121	P
Cadmium	ug/L	500	533		107	87 - 115	P
Chromium	ug/L	500	534		107	85 - 116	P
Copper	ug/L	5000	5350		107	85 - 118	P
Lead	ug/L	2500	2640		106	88 - 115	P
Nickel	ug/L	500	533		107	85 - 117	P
Selenium	ug/L	500	518		104	80 - 120	P
Silver	ug/L	500	545		109	85 - 116	P
Thallium	ug/L	500	530		106	82 - 116	P
Vanadium	ug/L	500	524		105	86 - 115	P
Zinc	ug/L	5000	5350		107	83 - 119	P

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Nobis Group **SDG No.:** Q2747

Contract: NOBI03 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169158BS							
Mercury	ug/L	4.0	4.24		106	82 - 119	CV

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: Nobis Group
Contract: NOBI03
Lab Code: ACE
SDG No.: Q2747
Instrument ID: P7
Start Date : 08/05/2025
Run Number: LB136712
End Date : 08/05/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q
S0	S0	1128	100		100		100		100		100	
S2	S2	1134	103		100		101		100		100	
S3	S3	1138	103		101		103		101		102	
S4	S4	1141	103		99		101		99		100	
S5	S5	1144	104		100		102		99		103	
S6	S6	1147	106		101		103		102		105	
S7	S7	1149	106		100		105		101		107	
S8	S8	1152	102		101		101		94		103	
ICV01	ICV01	1252	100		100		99		99		101	
LLICV01	LLICV01	1308	98		101		101		101		99	
ICB01	ICB01	1312	98		102		103		99		99	
ICSA01	ICSA01	1339	96		105		107		102		106	
ICSAB01	ICSAB01	1404	97		107		108		104		109	
CCV01	CCV01	1407	98		107		111		103		111	
CCB01	CCB01	1410	96		101		107		103		104	
CRI	CRI	1414	97		103		108		104		105	
ZZZZZZ	ZZZZZZ	1418										
ZZZZZZ	ZZZZZZ	1431										
ZZZZZZ	ZZZZZZ	1434										
ZZZZZZ	ZZZZZZ	1437										
ZZZZZZ	ZZZZZZ	1440										
ZZZZZZ	ZZZZZZ	1443										
CCV02	CCV02	1446	108		116		120		111		116	
CCB02	CCB02	1453	103		108		113		109		111	
ZZZZZZ	ZZZZZZ	1457										
ZZZZZZ	ZZZZZZ	1500										
ZZZZZZ	ZZZZZZ	1504										
ZZZZZZ	ZZZZZZ	1507										
ZZZZZZ	ZZZZZZ	1510										
ZZZZZZ	ZZZZZZ	1513										
ZZZZZZ	ZZZZZZ	1515										
ZZZZZZ	ZZZZZZ	1518										
ZZZZZZ	ZZZZZZ	1524										
CCV03	CCV03	1528	113		120		120		113		118	
CCB03	CCB03	1530	109		110		114		112		112	
ZZZZZZ	ZZZZZZ	1534										

Internal Standard %RI Limit: 30 - 120

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: Nobis Group | Contract: NOBI03

Lab Code: ACE | SDG No.: Q2747

Instrument ID: P7 | Start Date : 08/05/2025

Run Number: LB136712 | End Date : 08/05/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q
ZZZZZZ	ZZZZZZ	1537										
ZZZZZZ	ZZZZZZ	1540										
ZZZZZZ	ZZZZZZ	1543										
ZZZZZZ	ZZZZZZ	1546										
ZZZZZZ	ZZZZZZ	1556										
ZZZZZZ	ZZZZZZ	1559										
ZZZZZZ	ZZZZZZ	1602										
CCV04	CCV04	1605	112		120		122	*	112		118	
CCB04	CCB04	1608	110		113		115		114		114	
ZZZZZZ	ZZZZZZ	1613										
ZZZZZZ	ZZZZZZ	1616										
ZZZZZZ	ZZZZZZ	1619										
ZZZZZZ	ZZZZZZ	1622										
ZZZZZZ	ZZZZZZ	1625										
ZZZZZZ	ZZZZZZ	1628										
ZZZZZZ	ZZZZZZ	1630										
ZZZZZZ	ZZZZZZ	1634										
CCV05	CCV05	1643	109		112		113		106		115	
CCB05	CCB05	1702	103		109		110		109		110	
PB169128TB	PB169128TB	1705	104		109		111		110		111	
Q2747-02	OU4-TS-GRIL	1709	108		113		116		113		116	
Q2747-04	OU4-TS-GRIL	1712	106		115		119		113		114	
Q2747-06	OU4-TS-GRIL	1715	105		115		118		113		114	
Q2747-08	OU4-TS-GRIL	1718	106		114		117		112		115	
Q2747-10	OU4-TS-GRIL	1721	106		115		120		113		115	
Q2747-10DUP	OU4-TS-GRIL	1725	106		114		119		113		115	
Q2747-10L	OU4-TS-GRIL	1728	104		113		115		113		112	
Q2747-10MS	OU4-TS-GRIL	1731	106		114		120		113		115	
Q2747-10MSD	OU4-TS-GRIL	1734	106		111		119		112		113	
CCV06	CCV06	1737	108		114		117		110		117	
CCB06	CCB06	1747	102		108		112		109		109	
Q2747-10A	OU4-TS-GRIL	1750	106		114		120		114		116	
CCV07	CCV07	1753	106		114		117		108		115	
CCB07	CCB07	1800	103		108		112		110		111	

Internal Standard %RI Limit: 30 - 120

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: Nobis Group
Contract: NOBI03
Lab Code: ACE
SDG No.: Q2747
Instrument ID: P7
Start Date : 08/05/2025
Run Number: LB136712
End Date : 08/05/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q	Element 165Ho	Q
S0	S0	1128	100		100		100		100		100	
S2	S2	1134	99		100		99		100		100	
S3	S3	1138	100		98		100		101		99	
S4	S4	1141	100		100		100		102		100	
S5	S5	1144	99		99		99		100		100	
S6	S6	1147	101		102		99		103		101	
S7	S7	1149	101		102		101		105		104	
S8	S8	1152	103		102		95		102		101	
ICV01	ICV01	1252	98		98		99		98		97	
LLICV01	LLICV01	1308	99		100		100		99		99	
ICB01	ICB01	1312	99		101		98		100		100	
ICSA01	ICSA01	1339	100		102		103		106		106	
ICSAB01	ICSAB01	1404	98		103		102		108		106	
CCV01	CCV01	1407	103		105		103		107		110	
CCB01	CCB01	1410	97		101		103		105		104	
CRI	CRI	1414	98		101		103		104		103	
ZZZZZZ	ZZZZZZ	1418										
ZZZZZZ	ZZZZZZ	1431										
ZZZZZZ	ZZZZZZ	1434										
ZZZZZZ	ZZZZZZ	1437										
ZZZZZZ	ZZZZZZ	1440										
ZZZZZZ	ZZZZZZ	1443										
CCV02	CCV02	1446	111		113		108		116		117	
CCB02	CCB02	1453	104		107		107		110		108	
ZZZZZZ	ZZZZZZ	1457										
ZZZZZZ	ZZZZZZ	1500										
ZZZZZZ	ZZZZZZ	1504										
ZZZZZZ	ZZZZZZ	1507										
ZZZZZZ	ZZZZZZ	1510										
ZZZZZZ	ZZZZZZ	1513										
ZZZZZZ	ZZZZZZ	1515										
ZZZZZZ	ZZZZZZ	1518										
ZZZZZZ	ZZZZZZ	1524										
CCV03	CCV03	1528	113		116		110		118		120	
CCB03	CCB03	1530	107		111		113		113		113	
ZZZZZZ	ZZZZZZ	1534										

Internal Standard %RI Limit: 30 - 120

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: Nobis Group | Contract: NOBI03

Lab Code: ACE | SDG No.: Q2747

Instrument ID: P7 | Start Date : 08/05/2025

Run Number: LB136712 | End Date : 08/05/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q	Element 165Ho	Q
ZZZZZZ	ZZZZZZ	1537										
ZZZZZZ	ZZZZZZ	1540										
ZZZZZZ	ZZZZZZ	1543										
ZZZZZZ	ZZZZZZ	1546										
ZZZZZZ	ZZZZZZ	1556										
ZZZZZZ	ZZZZZZ	1559										
ZZZZZZ	ZZZZZZ	1602										
CCV04	CCV04	1605	114		117		110		118		120	
CCB04	CCB04	1608	108		113		112		115		113	
ZZZZZZ	ZZZZZZ	1613										
ZZZZZZ	ZZZZZZ	1616										
ZZZZZZ	ZZZZZZ	1619										
ZZZZZZ	ZZZZZZ	1622										
ZZZZZZ	ZZZZZZ	1625										
ZZZZZZ	ZZZZZZ	1628										
ZZZZZZ	ZZZZZZ	1630										
ZZZZZZ	ZZZZZZ	1634										
CCV05	CCV05	1643	108		109		106		115		113	
CCB05	CCB05	1702	104		106		108		110		109	
PB169128TB	PB169128TB	1705	105		107		107		112		111	
Q2747-02	OU4-TS-GRIL	1709	109		113		114		115		117	
Q2747-04	OU4-TS-GRIL	1712	110		115		112		118		116	
Q2747-06	OU4-TS-GRIL	1715	108		113		112		117		116	
Q2747-08	OU4-TS-GRIL	1718	108		113		113		117		117	
Q2747-10	OU4-TS-GRIL	1721	108		116		113		117		116	
Q2747-10DUP	OU4-TS-GRIL	1725	108		116		114		117		118	
Q2747-10L	OU4-TS-GRIL	1728	106		110		112		115		114	
Q2747-10MS	OU4-TS-GRIL	1731	107		115		112		117		116	
Q2747-10MSD	OU4-TS-GRIL	1734	107		113		111		117		118	
CCV06	CCV06	1737	107		112		105		116		115	
CCB06	CCB06	1747	104		109		110		113		111	
Q2747-10A	OU4-TS-GRIL	1750	110		118		114		118		119	
CCV07	CCV07	1753	108		113		108		115		117	
CCB07	CCB07	1800	104		110		108		111		113	

Internal Standard %RI Limit: 30 - 120

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: Nobis Group
Contract: NOBI03
Lab Code: ACE
SDG No.: Q2747
Instrument ID: P7
Start Date : 08/12/2025
Run Number: LB136790
End Date : 08/12/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q
S0	S0	1008	100		100		100		100		100	
S2	S2	1011	98		99		100		99		98	
S3	S3	1018	103		97		100		98		98	
S4	S4	1021	102		97		100		98		100	
S5	S5	1024	102		97		100		97		99	
S6	S6	1027	101		100		101		97		100	
S7	S7	1029	101		99		101		97		101	
S8	S8	1032	95		96		98		89		97	
ICV01	ICV01	1051	94		103		104		101		100	
LLICV01	LLICV01	1054	95		102		105		101		100	
ICB01	ICB01	1104	96		102		104		101		101	
ICSA01	ICSA01	1111	94		103		106		100		103	
ICSAB01	ICSAB01	1114	94		102		109		102		105	
CCV01	CCV01	1117	91		102		106		99		104	
CCB01	CCB01	1120	92		103		108		105		102	
CRI	CRI	1123	94		104		107		104		103	
PB169128BL	PB169128BL	1128	92		102		106		104		101	
PB169128BS	PB169128BS	1131	92		100		105		100		101	
ZZZZZZ	ZZZZZZ	1134										
ZZZZZZ	ZZZZZZ	1137										
ZZZZZZ	ZZZZZZ	1140										
ZZZZZZ	ZZZZZZ	1143										
ZZZZZZ	ZZZZZZ	1146										
ZZZZZZ	ZZZZZZ	1149										
CCV02	CCV02	1201	97		105		108		101		105	
CCB02	CCB02	1205	95		102		105		102		101	

Internal Standard %RI Limit: 30 - 120

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: Nobis Group
Contract: NOBI03
Lab Code: ACE
SDG No.: Q2747
Instrument ID: P7
Start Date : 08/12/2025
Run Number: LB136790
End Date : 08/12/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q	Element 165Ho	Q
S0	S0	1008	100		100		100		100		100	
S2	S2	1011	99		100		100		99		99	
S3	S3	1018	99		101		100		99		99	
S4	S4	1021	99		97		98		98		100	
S5	S5	1024	99		99		99		101		100	
S6	S6	1027	100		100		100		100		100	
S7	S7	1029	100		99		97		101		100	
S8	S8	1032	100		100		93		99		99	
ICV01	ICV01	1051	103		104		101		102		103	
LLICV01	LLICV01	1054	102		102		101		100		101	
ICB01	ICB01	1104	101		102		101		99		101	
ICSA01	ICSA01	1111	102		104		102		102		104	
ICSAB01	ICSAB01	1114	103		105		103		104		105	
CCV01	CCV01	1117	103		104		98		100		103	
CCB01	CCB01	1120	102		104		105		102		104	
CRI	CRI	1123	102		104		104		103		104	
PB169128BL	PB169128BL	1128	101		104		103		102		103	
PB169128BS	PB169128BS	1131	101		102		100		101		103	
ZZZZZZ	ZZZZZZ	1134										
ZZZZZZ	ZZZZZZ	1137										
ZZZZZZ	ZZZZZZ	1140										
ZZZZZZ	ZZZZZZ	1143										
ZZZZZZ	ZZZZZZ	1146										
ZZZZZZ	ZZZZZZ	1149										
CCV02	CCV02	1201	106		106		101		107		108	
CCB02	CCB02	1205	102		103		103		104		104	

Internal Standard %RI Limit: 30 - 120

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: Nobis Group
Contract: NOBI03
Lab Code: ACE
SDG No.: Q2747
Instrument ID: P7
Start Date : 08/05/2025
Run Number: LB136712
End Date : 08/05/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 165Ho	Q	Element 209Bi	Q	Element	Q	Element	Q	Element	Q
S0	S0	1128	100		100							
S2	S2	1134	100		100							
S3	S3	1138	101		100							
S4	S4	1141	103		101							
S5	S5	1144	103		103							
S6	S6	1147	104		104							
S7	S7	1149	106		103							
S8	S8	1152	103		94							
ICV01	ICV01	1252	101		100							
LLICV01	LLICV01	1308	102		97							
ICB01	ICB01	1312	100		96							
ICSA01	ICSA01	1339	105		100							
ICSAB01	ICSAB01	1404	109		100							
CCV01	CCV01	1407	111		99							
CCB01	CCB01	1410	106		101							
CRI	CRI	1414	106		100							
ZZZZZZ	ZZZZZZ	1418										
ZZZZZZ	ZZZZZZ	1431										
ZZZZZZ	ZZZZZZ	1434										
ZZZZZZ	ZZZZZZ	1437										
ZZZZZZ	ZZZZZZ	1440										
ZZZZZZ	ZZZZZZ	1443										
CCV02	CCV02	1446	119		106							
CCB02	CCB02	1453	111		105							
ZZZZZZ	ZZZZZZ	1457										
ZZZZZZ	ZZZZZZ	1500										
ZZZZZZ	ZZZZZZ	1504										
ZZZZZZ	ZZZZZZ	1507										
ZZZZZZ	ZZZZZZ	1510										
ZZZZZZ	ZZZZZZ	1513										
ZZZZZZ	ZZZZZZ	1515										
ZZZZZZ	ZZZZZZ	1518										
ZZZZZZ	ZZZZZZ	1524										
CCV03	CCV03	1528	119		105							

Internal Standard %RI Limit: 30 -120

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: Nobis Group | Contract: NOBI03

Lab Code: ACE | SDG No.: Q2747

Instrument ID: P7 | Start Date : 08/05/2025

Run Number: LB136712 | End Date : 08/05/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 165Ho	Q	Element 209Bi	Q	Element	Q	Element	Q	Element	Q
CCB03	CCB03	1530	113		106							
ZZZZZZ	ZZZZZZ	1534										
ZZZZZZ	ZZZZZZ	1537										
ZZZZZZ	ZZZZZZ	1540										
ZZZZZZ	ZZZZZZ	1543										
ZZZZZZ	ZZZZZZ	1546										
ZZZZZZ	ZZZZZZ	1556										
ZZZZZZ	ZZZZZZ	1559										
ZZZZZZ	ZZZZZZ	1602										
CCV04	CCV04	1605	118		104							
CCB04	CCB04	1608	115		106							
ZZZZZZ	ZZZZZZ	1613										
ZZZZZZ	ZZZZZZ	1616										
ZZZZZZ	ZZZZZZ	1619										
ZZZZZZ	ZZZZZZ	1622										
ZZZZZZ	ZZZZZZ	1625										
ZZZZZZ	ZZZZZZ	1628										
ZZZZZZ	ZZZZZZ	1630										
ZZZZZZ	ZZZZZZ	1634										
CCV05	CCV05	1643	115		102							
CCB05	CCB05	1702	110		102							
PB169128TB	PB169128TB	1705	110		103							
Q2747-02	OU4-TS-GRILI	1709	115		105							
Q2747-04	OU4-TS-GRILI	1712	115		104							
Q2747-06	OU4-TS-GRILI	1715	116		104							
Q2747-08	OU4-TS-GRILI	1718	114		103							
Q2747-10	OU4-TS-GRILI	1721	116		105							
Q2747-10DUP	OU4-TS-GRILI	1725	117		104							
Q2747-10L	OU4-TS-GRILI	1728	116		103							
Q2747-10MS	OU4-TS-GRILI	1731	115		103							
Q2747-10MSD	OU4-TS-GRILI	1734	116		105							
CCV06	CCV06	1737	118		102							
CCB06	CCB06	1747	112		104							
Q2747-10A	OU4-TS-GRILI	1750	116		105							

Internal Standard %RI Limit: 30 -120

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: Nobis Group
Contract: NOBI03
Lab Code: ACE
SDG No.: Q2747
Instrument ID: P7
Start Date : 08/05/2025
Run Number: LB136712
End Date : 08/05/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 165Ho	Q	Element 209Bi	Q	Element	Q	Element	Q	Element	Q
CCV07	CCV07	1753	116		101							
CCB07	CCB07	1800	111		103							

Internal Standard %RI Limit: 30 -120

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: Nobis Group
Contract: NOBI03
Lab Code: ACE
SDG No.: Q2747
Instrument ID: P7
Start Date : 08/05/2025
Run Number: LB136712
End Date : 08/05/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
S0	S0	1128	100									
S2	S2	1134	101									
S3	S3	1138	101									
S4	S4	1141	100									
S5	S5	1144	99									
S6	S6	1147	101									
S7	S7	1149	101									
S8	S8	1152	94									
ICV01	ICV01	1252	97									
LLICV01	LLICV01	1308	97									
ICB01	ICB01	1312	99									
ICSA01	ICSA01	1339	101									
ICSAB01	ICSAB01	1404	101									
CCV01	CCV01	1407	101									
CCB01	CCB01	1410	100									
CRI	CRI	1414	101									
ZZZZZZ	ZZZZZZ	1418										
ZZZZZZ	ZZZZZZ	1431										
ZZZZZZ	ZZZZZZ	1434										
ZZZZZZ	ZZZZZZ	1437										
ZZZZZZ	ZZZZZZ	1440										
ZZZZZZ	ZZZZZZ	1443										
CCV02	CCV02	1446	104									
CCB02	CCB02	1453	106									
ZZZZZZ	ZZZZZZ	1457										
ZZZZZZ	ZZZZZZ	1500										
ZZZZZZ	ZZZZZZ	1504										
ZZZZZZ	ZZZZZZ	1507										
ZZZZZZ	ZZZZZZ	1510										
ZZZZZZ	ZZZZZZ	1513										
ZZZZZZ	ZZZZZZ	1515										
ZZZZZZ	ZZZZZZ	1518										
ZZZZZZ	ZZZZZZ	1524										
CCV03	CCV03	1528	105									

Internal Standard %RI Limit: 30 -120

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: Nobis Group | Contract: NOBI03

Lab Code: ACE | SDG No.: Q2747

Instrument ID: P7 | Start Date : 08/05/2025

Run Number: LB136712 | End Date : 08/05/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
CCB03	CCB03	1530	107									
ZZZZZZ	ZZZZZZ	1534										
ZZZZZZ	ZZZZZZ	1537										
ZZZZZZ	ZZZZZZ	1540										
ZZZZZZ	ZZZZZZ	1543										
ZZZZZZ	ZZZZZZ	1546										
ZZZZZZ	ZZZZZZ	1556										
ZZZZZZ	ZZZZZZ	1559										
ZZZZZZ	ZZZZZZ	1602										
CCV04	CCV04	1605	104									
CCB04	CCB04	1608	108									
ZZZZZZ	ZZZZZZ	1613										
ZZZZZZ	ZZZZZZ	1616										
ZZZZZZ	ZZZZZZ	1619										
ZZZZZZ	ZZZZZZ	1622										
ZZZZZZ	ZZZZZZ	1625										
ZZZZZZ	ZZZZZZ	1628										
ZZZZZZ	ZZZZZZ	1630										
ZZZZZZ	ZZZZZZ	1634										
CCV05	CCV05	1643	100									
CCB05	CCB05	1702	104									
PB169128TB	PB169128TB	1705	104									
Q2747-02	OU4-TS-GRILI	1709	108									
Q2747-04	OU4-TS-GRILI	1712	108									
Q2747-06	OU4-TS-GRILI	1715	107									
Q2747-08	OU4-TS-GRILI	1718	108									
Q2747-10	OU4-TS-GRILI	1721	109									
Q2747-10DUP	OU4-TS-GRILI	1725	108									
Q2747-10L	OU4-TS-GRILI	1728	107									
Q2747-10MS	OU4-TS-GRILI	1731	107									
Q2747-10MSD	OU4-TS-GRILI	1734	107									
CCV06	CCV06	1737	102									
CCB06	CCB06	1747	104									
Q2747-10A	OU4-TS-GRILI	1750	110									

Internal Standard %RI Limit: 30 -120

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: Nobis Group
Contract: NOBI03
Lab Code: ACE
SDG No.: Q2747
Instrument ID: P7
Start Date : 08/05/2025
Run Number: LB136712
End Date : 08/05/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
CCV07	CCV07	1753	101									
CCB07	CCB07	1800	106									

Internal Standard %RI Limit: 30 -120

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: Nobis Group
Contract: NOBI03
Lab Code: ACE
SDG No.: Q2747
Instrument ID: P7
Start Date : 08/12/2025
Run Number: LB136790
End Date : 08/12/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 165Ho	Q	Element 209Bi	Q	Element	Q	Element	Q	Element	Q
S0	S0	1008	100		100							
S2	S2	1011	97		98							
S3	S3	1018	100		99							
S4	S4	1021	98		100							
S5	S5	1024	100		100							
S6	S6	1027	101		100							
S7	S7	1029	102		99							
S8	S8	1032	98		90							
ICV01	ICV01	1051	100		99							
LLICV01	LLICV01	1054	99		99							
ICB01	ICB01	1104	99		98							
ICSA01	ICSA01	1111	103		97							
ICSAB01	ICSAB01	1114	107		100							
CCV01	CCV01	1117	103		95							
CCB01	CCB01	1120	102		101							
CRI	CRI	1123	102		100							
PB169128BL	PB169128BL	1128	102		99							
PB169128BS	PB169128BS	1131	101		97							
ZZZZZZ	ZZZZZZ	1134										
ZZZZZZ	ZZZZZZ	1137										
ZZZZZZ	ZZZZZZ	1140										
ZZZZZZ	ZZZZZZ	1143										
ZZZZZZ	ZZZZZZ	1146										
ZZZZZZ	ZZZZZZ	1149										
CCV02	CCV02	1201	104		96							
CCB02	CCB02	1205	103		98							

Internal Standard %RI Limit: 30 -120

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: Nobis Group
Contract: NOBI03
Lab Code: ACE
SDG No.: Q2747
Instrument ID: P7
Start Date : 08/12/2025
Run Number: LB136790
End Date : 08/12/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
S0	S0	1008	100									
S2	S2	1011	99									
S3	S3	1018	99									
S4	S4	1021	99									
S5	S5	1024	99									
S6	S6	1027	98									
S7	S7	1029	98									
S8	S8	1032	90									
ICV01	ICV01	1051	101									
LLICV01	LLICV01	1054	99									
ICB01	ICB01	1104	98									
ICSA01	ICSA01	1111	98									
ICSAB01	ICSAB01	1114	98									
CCV01	CCV01	1117	94									
CCB01	CCB01	1120	101									
CRI	CRI	1123	101									
PB169128BL	PB169128BL	1128	101									
PB169128BS	PB169128BS	1131	97									
ZZZZZZ	ZZZZZZ	1134										
ZZZZZZ	ZZZZZZ	1137										
ZZZZZZ	ZZZZZZ	1140										
ZZZZZZ	ZZZZZZ	1143										
ZZZZZZ	ZZZZZZ	1146										
ZZZZZZ	ZZZZZZ	1149										
CCV02	CCV02	1201	97									
CCB02	CCB02	1205	101									

Internal Standard %RI Limit: 30 -120

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

OU4-TS-GRILLO-TSCP02-073125L

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **Lb No.:** lb136712 **Lab Sample ID :** Q2747-10L **SDG No.:** Q2747

Matrix (soil/water): Water **Level (low/med):** LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Antimony	10.0	UD	50.0	UD			P
Arsenic	19.7	D	18.5	JD	6		P
Barium	113	D	110	JD	3		P
Beryllium	7.60	D	25.0	UD	100		P
Cadmium	7.65	D	25.0	UD	100		P
Chromium	11.5	D	12.3	JD	7		P
Copper	68.6	D	67.3	D	2		P
Lead	48.8	D	48.0	D	2		P
Nickel	45.5	D	48.5	D	7		P
Mercury	0.20	U	1.00	U			CV
Selenium	25.0	UD	125	UD			P
Silver	5.00	UD	25.0	UD			P
Thallium	5.00	UD	25.0	UD			P
Vanadium	82.9	D	81.8	JD	1		P
Zinc	1680	D	1650	D	2		P

METAL PREPARATION & INSTRUMENT DATA

METAL PREPARATION & ANALYICAL SUMMARY

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Metals
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SAMPLE PREPARATION SUMMARY

Client: Nobis Group **SDG No.:** Q2747

Contract: NOBI03 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB169128**						
PB169128BL	PB169128BL	MB	WATER	08/05/2025	50.0	50.0	
PB169128BS	PB169128BS	LCS	WATER	08/05/2025	50.0	50.0	
PB169128TB	PB169128TB	MB	WATER	08/05/2025	50.0	50.0	
Q2747-02	OU4-TS-GRILLO-OG2-073125	SAM	WATER	08/05/2025	50.0	50.0	
Q2747-04	OU4-TS-GRILLO-OG3-073125	SAM	WATER	08/05/2025	50.0	50.0	
Q2747-06	OU4-TS-GRILLO-OG4-073125	SAM	WATER	08/05/2025	50.0	50.0	
Q2747-08	OU4-TS-GRILLO-TSCP01-073125	SAM	WATER	08/05/2025	50.0	50.0	
Q2747-10	OU4-TS-GRILLO-TSCP02-073125	SAM	WATER	08/05/2025	50.0	50.0	
Q2747-10DUP	OU4-TS-GRILLO-TSCP02-073125DUP	DUP	WATER	08/05/2025	50.0	50.0	
Q2747-10MS	OU4-TS-GRILLO-TSCP02-073125MS	MS	WATER	08/05/2025	50.0	50.0	
Q2747-10MSD	OU4-TS-GRILLO-TSCP02-073125MSD	MSD	WATER	08/05/2025	50.0	50.0	

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Metals
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SAMPLE PREPARATION SUMMARY

Client: Nobis Group **SDG No.:** Q2747

Contract: NOBI03 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB169158**						
PB169158BL	PB169158BL	MB	WATER	08/06/2025	30.0	30.0	
PB169158BS	PB169158BS	LCS	WATER	08/06/2025	30.0	30.0	
PB169158TB	PB169158TB	MB	WATER	08/06/2025	30.0	30.0	
Q2747-02	OU4-TS-GRILLO-OG2-073125	SAM	WATER	08/06/2025	30.0	30.0	
Q2747-04	OU4-TS-GRILLO-OG3-073125	SAM	WATER	08/06/2025	30.0	30.0	
Q2747-06	OU4-TS-GRILLO-OG4-073125	SAM	WATER	08/06/2025	30.0	30.0	
Q2747-08	OU4-TS-GRILLO-TSCP01-073125	SAM	WATER	08/06/2025	30.0	30.0	
Q2747-10	OU4-TS-GRILLO-TSCP02-073125	SAM	WATER	08/06/2025	30.0	30.0	
Q2747-10DUP	OU4-TS-GRILLO-TSCP02-073125DUP	DUP	WATER	08/06/2025	30.0	30.0	
Q2747-10MS	OU4-TS-GRILLO-TSCP02-073125MS	MS	WATER	08/06/2025	30.0	30.0	
Q2747-10MSD	OU4-TS-GRILLO-TSCP02-073125MSD	MSD	WATER	08/06/2025	30.0	30.0	

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metals
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ANALYSIS RUN LOG

Client: Nobis Group **Contract:** NOBI03

Lab code: ACE **Sdg no.:** Q2747

Instrument id number: **Method:** **Run number:** LB136712

Start date: 08/05/2025 **End date:** 08/05/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1128	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1134	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1138	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1141	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1144	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
S6	S6	1	1147	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
S7	S7	1	1149	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
S8	S8	1	1152	,
ICV01	ICV01	1	1252	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1308	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1312	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1339	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1404	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1407	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1410	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CRI	CRI	1	1414	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1446	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1453	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1528	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1530	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1605	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1608	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CCV05	CCV05	1	1643	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	1702	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
PB169128TB	PB169128TB	1	1705	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
Q2747-02	OU4-TS-GRILLO-OG2-073125	5	1709	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
Q2747-04	OU4-TS-GRILLO-OG3-073125	5	1712	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
Q2747-06	OU4-TS-GRILLO-OG4-073125	5	1715	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
Q2747-08	OU4-TS-GRILLO-TSCP01-073	5	1718	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
Q2747-10	OU4-TS-GRILLO-TSCP02-073	5	1721	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
Q2747-10DUP	OU4-TS-GRILLO-TSCP02-073	5	1725	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
Q2747-10L	OU4-TS-GRILLO-TSCP02-073	25	1728	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
Q2747-10MS	OU4-TS-GRILLO-TSCP02-073	5	1731	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
Q2747-10MSD	OU4-TS-GRILLO-TSCP02-073	5	1734	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CCV06	CCV06	1	1737	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CCB06	CCB06	1	1747	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
Q2747-10A	OU4-TS-GRILLO-TSCP02-073	5	1750	Ag,As,Ba,Cr,Sb,Tl,V,Zn
CCV07	CCV07	1	1753	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CCB07	CCB07	1	1800	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn

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metals
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ANALYSIS RUN LOG

Client: Nobis Group **Contract:** NOBI03

Lab code: ACE **Sdg no.:** Q2747

Instrument id number: **Method:** **Run number:** LB136732

Start date: 08/07/2025 **End date:** 08/07/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	0927	HG
S0.2	S0.2	1	0929	HG
S2.5	S2.5	1	0931	HG
S5	S5	1	0933	HG
S7.5	S7.5	1	0936	HG
S10	S10	1	0938	HG
ICV56	ICV56	1	0941	HG
ICB56	ICB56	1	0946	HG
CCV95	CCV95	1	0948	HG
CCB95	CCB95	1	0951	HG
CRA	CRA	1	0958	HG
PB169158BL	PB169158BL	1	1007	HG
PB169158BS	PB169158BS	1	1010	HG
Q2747-02	OU4-TS-GRILLO-OG2-073125	1	1012	HG
Q2747-04	OU4-TS-GRILLO-OG3-073125	1	1014	HG
Q2747-06	OU4-TS-GRILLO-OG4-073125	1	1017	HG
Q2747-08	OU4-TS-GRILLO-TSCP01-073	1	1019	HG
Q2747-10	OU4-TS-GRILLO-TSCP02-073	1	1021	HG
CCV96	CCV96	1	1023	HG
CCB96	CCB96	1	1026	HG
Q2747-10DUP	OU4-TS-GRILLO-TSCP02-073	1	1028	HG
Q2747-10MS	OU4-TS-GRILLO-TSCP02-073	1	1030	HG
Q2747-10MSD	OU4-TS-GRILLO-TSCP02-073	1	1032	HG
PB169158TB	PB169158TB	1	1035	HG
Q2747-10L	OU4-TS-GRILLO-TSCP02-073	5	1037	HG
CCV97	CCV97	1	1042	HG
CCB97	CCB97	1	1044	HG

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metals
- 14 -
ANALYSIS RUN LOG

Client: Nobis Group **Contract:** NOBI03

Lab code: ACE **Sdg no.:** Q2747

Instrument id number: **Method:** **Run number:** LB136790

Start date: 08/12/2025 **End date:** 08/12/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1008	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1011	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1018	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1021	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1024	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
S6	S6	1	1027	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
S7	S7	1	1029	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
S8	S8	1	1032	,
ICV01	ICV01	1	1051	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1054	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1104	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1111	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1114	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1117	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1120	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CRI	CRI	1	1123	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
PB169128BL	PB169128BL	1	1128	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
PB169128BS	PB169128BS	1	1131	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1201	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1205	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1219	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1223	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1239	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1247	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn

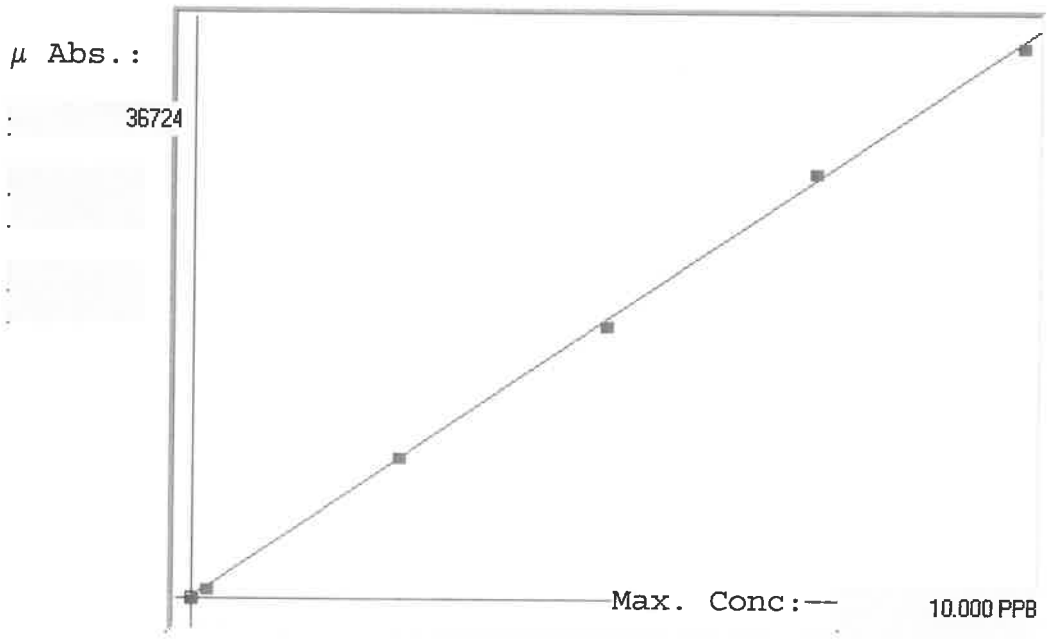
METAL
RAW DATA

LB136732

INSTRUMENT ID: CV1

Reviewed By:jaswal
On:8/8/2025 1:24:22 PM
Inst Id :CV1
LB :LB136732

7470A



Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0.0	0.000	-0.004	-0.004	54	0.000	54	0			
0.2	0.200	0.179	-0.021	730	0.0 %	730				
2.5	2.500	2.535	0.035	9442	0.0 %	9442	0			
5.0	5.000	4.928	-0.072	18294	0.0 %	18294				
7.5	7.500	7.652	0.152	28369	0.0 %	28369				
10.0	10.000	9.910	-0.090	36724	0.0 %	36724				

Reviewed By:jaswal
On:8/8/2025 1:24:22 PM
Inst Id :CV1
LB :LB136732

LB136732 INSTRUMENT ID: CV1

Method: 7470A Operator: Admin Date of Analysis: 07 Aug 2025 09:14:39

Type	Sample ID	Extended ID	Conc	Abs	Units	Type	Stnd Conc	Method	Date
S	0.0 - 1	50.0	-	54	PPB	Std	0.000	7470A	07 Aug 2025 09:27:08
S	0.2 - 1	50.2	-	730	PPB	Std	0.200	7470A	07 Aug 2025 09:29:25
S	2.5 - 1	S2.5	-	9442	PPB	Std	2.500	7470A	07 Aug 2025 09:31:42
S	5.0 - 1	S5.0	-	18294	PPB	Std	5.000	7470A	07 Aug 2025 09:33:59
S	7.5 - 1	S7.5	-	28369	PPB	Std	7.500	7470A	07 Aug 2025 09:36:17
S	10.0 - 1	S10.0	-	36724	PPB	Std	10.000	7470A	07 Aug 2025 09:38:35
U	ICV56 - 1	ICV56	4.0285	14908	PPB	SMPL		7470A	07 Aug 2025 09:41:49
U	ICB56 - 1	ICB56	-0.0638	-169	PPB	SMPL		7470A	07 Aug 2025 09:46:34
U	CCV95 - 1	CCV95	4.8842	18133	PPB	SMPL		7470A	07 Aug 2025 09:48:49
U	CCB95 - 1	CCB95	-0.0725	-201	PPB	SMPL		7470A	07 Aug 2025 09:51:05
U	CRA - 1	CRA	0.1622	667	PPB	SMPL		7470A	07 Aug 2025 09:58:28
U	HighStd - 1	HighStd	9.9366	36821	PPB	SMPL		7470A	07 Aug 2025 10:00:43
U	ChkStd - 1	ChkStd	7.4253	27532	PPB	SMPL		7470A	07 Aug 2025 10:02:58
U	PB169158BL - 1	PBW	-0.0609	-158	PPB	SMPL		7470A	07 Aug 2025 10:07:53
U	PB169158BS - 1	LCSW	4.2416	15756	PPB	SMPL		7470A	07 Aug 2025 10:10:09
U	Q2747-02 - 1	OU4-TS-GRILLO-OG2-073125	-0.0930	-277	PPB	SMPL		7470A	07 Aug 2025 10:12:25
U	Q2747-04 - 1	OU4-TS-GRILLO-OG3-073125	0.0246	158	PPB	SMPL		7470A	07 Aug 2025 10:14:43
U	Q2747-06 - 1	OU4-TS-GRILLO-OG4-073125	0.1744	712	PPB	SMPL		7470A	07 Aug 2025 10:17:01
U	Q2747-08 - 1	QU4-TS-GRILLO-TSCP01-073125	-0.0246	-24	PPB	SMPL		7470A	07 Aug 2025 10:19:18
U	Q2747-10 - 1	OU4-TS-GRILLO-TSCP02-073125	0.0695	324	PPB	SMPL		7470A	07 Aug 2025 10:21:35
U	CCV96 - 1	CCV96	4.9759	18472	PPB	SMPL		7470A	07 Aug 2025 10:23:50
U	CCB96 - 1	CCB96	-0.0592	-152	PPB	SMPL		7470A	07 Aug 2025 10:26:05
U	Q2747-10DUP - 1	OU4-TS-GRILLO-TSCP02-073125DUP	0.0362	201	PPB	SMPL		7470A	07 Aug 2025 10:28:22
U	Q2747-10MS - 1	OU4-TS-GRILLO-TSCP02-073125MS	3.9264	14590	PPB	SMPL		7470A	07 Aug 2025 10:30:38
U	Q2747-10MSD - 1	OU4-TS-GRILLO-TSCP02-073125MSD	3.9561	14700	PPB	SMPL		7470A	07 Aug 2025 10:32:53
U	PB169102TB - 1	PB169102TB PB169158TB	-0.0695	-190	PPB	SMPL		7470A	07 Aug 2025 10:35:11
U	Q2747-10LX5 - 1		-0.0419	-88	PPB	SMPL		7470A	07 Aug 2025 10:37:28
U	Q2747-10A - 1		4.0696	15120	PPB	SMPL		7470A	07 Aug 2025 10:39:45
U	CCV97 - 1	CCV97	4.8166	17883	PPB	SMPL		7470A	07 Aug 2025 10:42:01
U	CCB97 - 1	CCB97	-0.0192	-4	PPB	SMPL		7470A	07 Aug 2025 10:44:20

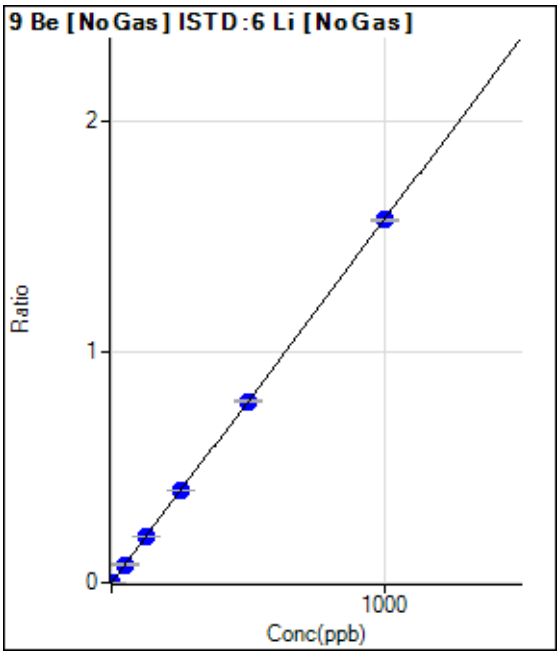
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On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

Calibration for 006CALS.d

Batch Folder: D:\Agilent\ICPMH\1\DATA\P7080525 MS.b\
Analysis File: P7080525 MS.batch.bin
DA Date-Time: 2025-08-05 17:20:57
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	004CALB.d	S00	2025-08-05 11:28:07
2	006CALS.d	S02	2025-08-05 11:34:45
3	007CALS.d	S03	2025-08-05 11:38:04
4	008CALS.d	S04	2025-08-05 11:41:13
5	009CALS.d	S05	2025-08-05 11:44:11
6	010CALS.d	S06	2025-08-05 11:47:04
7	011CALS.d	S07	2025-08-05 11:49:49
8	012CALS.d	S08	2025-08-05 11:52:38

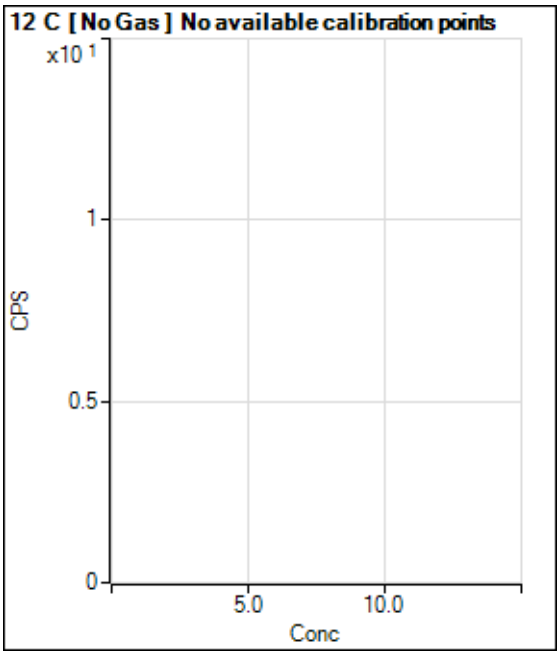
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On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2.28	0.0000	P	169.
2	☐	1.000	1.106	880.09	0.0017	P	6.4
3	☐	50.000	50.236	40125.75	0.0791	P	0.5
4	☐	125.000	128.472	102647.11	0.2022	P	1.2
5	☐	250.000	253.927	204774.77	0.3997	P	0.6
6	☐	500.000	499.351	408196.56	0.7859	P	1.5
7	☐	1000.000	998.897	820130.40	1.5722	P	0.7
8	☐			97.89	0.0002	P	28.6

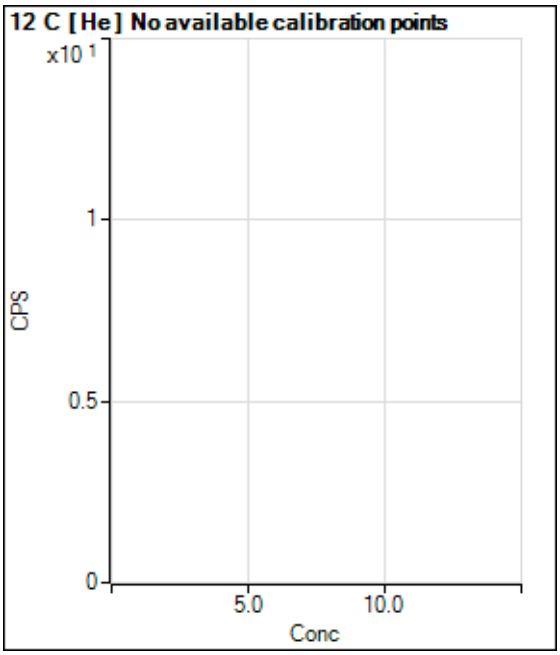
y = 0.0016 * x + 4.5962E-006
R = 1.0000
DL = 0.01484
BEC = 0.00292

Weight: <None>
Min Conc: 0

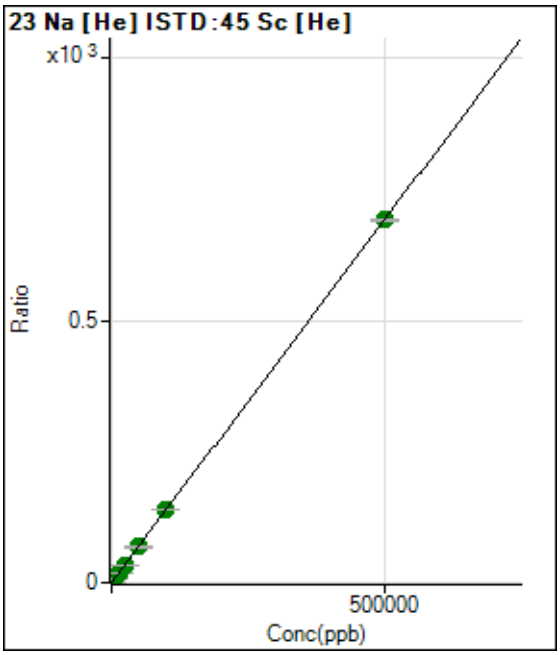


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2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						

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

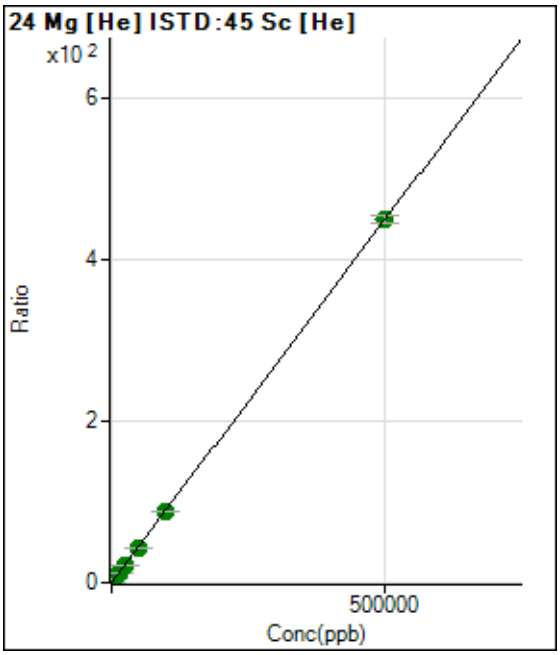


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	25109.45	0.0763	P	0.6
2	☐	500.000	423.171	216019.31	0.6613	P	0.9
3	☐	5000.000	5011.696	2299183.66	7.0045	A	0.4
4	☐	12500.000	12282.040	5620909.99	17.0550	A	1.2
5	☐	25000.000	24899.875	11272202.61	34.4978	A	1.1
6	☐	50000.000	49140.802	22582676.05	68.0084	A	0.8
7	☐	100000.00	100699.18	46256089.87	139.2824	A	1.3
8	☐	500000.00	499956.49	234690632.0	691.2139	A	0.9

y = 0.0014 * x + 0.0763
R = 1.0000
DL = 1.031
BEC = 55.22

Weight: <None>
Min Conc: 0

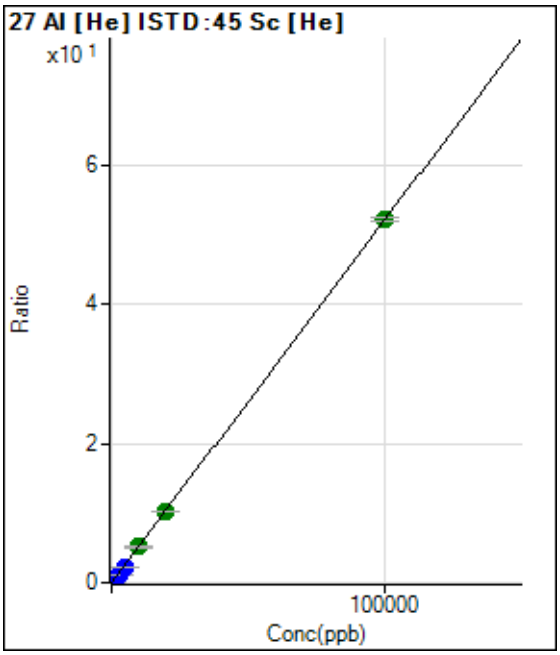
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	324.45	0.0010	P	9.3
2	☐	500.000	421.860	124141.08	0.3801	P	0.6
3	☐	5000.000	4924.175	1452724.89	4.4257	A	1.9
4	☐	12500.000	12316.826	3648047.06	11.0685	A	0.7
5	☐	25000.000	24517.619	7199155.86	22.0318	A	1.0
6	☐	50000.000	48530.162	14480722.98	43.6088	A	0.8
7	☐	100000.00	99022.744	29550459.01	88.9799	A	0.5
8	☐	500000.00	500371.97	152662633.2	449.6205	A	2.2

y = 8.9857E-004 * x + 9.8597E-004
R = 1.0000
DL = 0.306
BEC = 1.097

Weight: <None>
Min Conc: 0

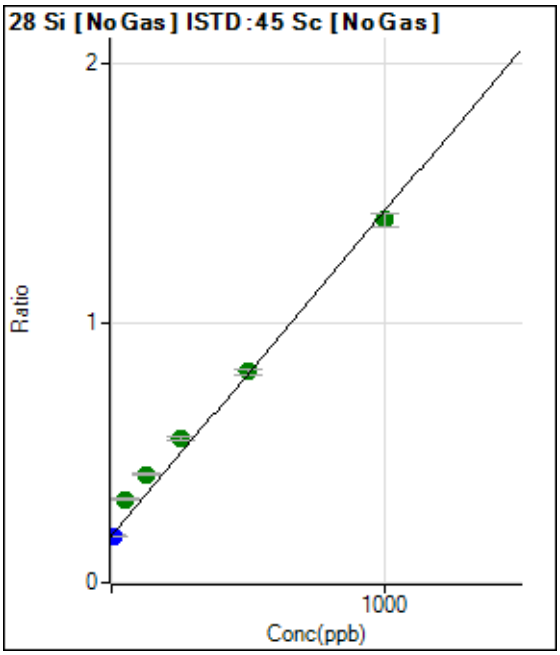


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
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2	☐	20.000	15.506	3288.17	0.0101	P	4.8
3	☐	1000.000	842.165	144594.27	0.4405	P	1.1
4	☐	2500.000	2106.174	362106.51	1.0987	P	0.5
5	☐	5000.000	4190.108	713553.44	2.1837	P	0.4
6	☐	10000.000	9872.151	1707546.29	5.1423	A	2.0
7	☐	20000.000	19657.918	3399951.55	10.2377	A	0.9
8	☐	100000.00	100133.12	17704089.46	52.1405	A	1.0

y = 5.2069E-004 * x + 0.0020
R = 1.0000
DL = 0.4519
BEC = 3.822

Weight: <None>
Min Conc: 0

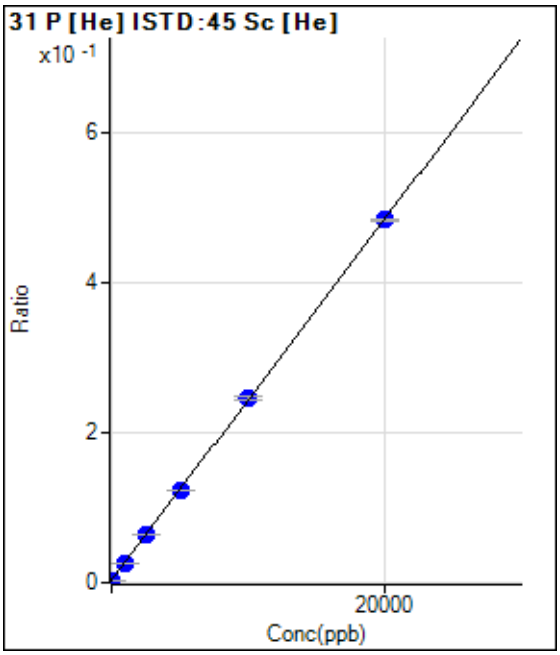
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Inst Id :P7
LB :LB136712



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	699478.72	0.1815	P	2.6
2	☐	10.000	-0.279	698225.21	0.1811	P	0.2
3	☐	50.000	111.174	1244004.73	0.3204	A	2.2
4	☐	125.000	188.993	1593658.36	0.4177	A	0.7
5	☐	250.000	299.297	2138661.64	0.5556	A	3.4
6	☐	500.000	506.445	3170896.20	0.8145	A	2.7
7	☐	1000.000	973.498	5390500.82	1.3983	A	3.8
8	☐			752708.83	0.1935	P	0.4

y = 0.0012 * x + 0.1815
R = 0.9957
DL = 11.37
BEC = 145.2

Weight: <None>
Min Conc: 0

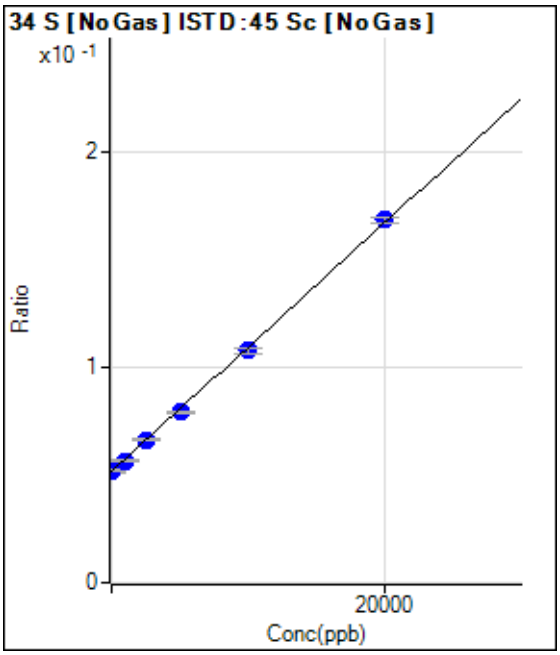


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-12.933	884.48	0.0027	P	5.1
2	☐	0.000	12.933	1082.27	0.0033	P	5.4
3	☐	1000.000	959.143	8565.80	0.0261	P	0.3
4	☐	2500.000	2544.711	21183.67	0.0643	P	1.9
5	☐	5000.000	4984.095	40193.95	0.1230	P	0.8
6	☐	10000.000	10065.900	81478.11	0.2454	P	2.2
7	☐	20000.000	19967.480	160668.23	0.4838	P	0.6
8	☐			884.48	0.0026	P	3.5

y = 2.4079E-005 * x + 0.0030
R = 1.0000
DL = 19.7
BEC = 124.6

Weight: <None>
Min Conc: 0

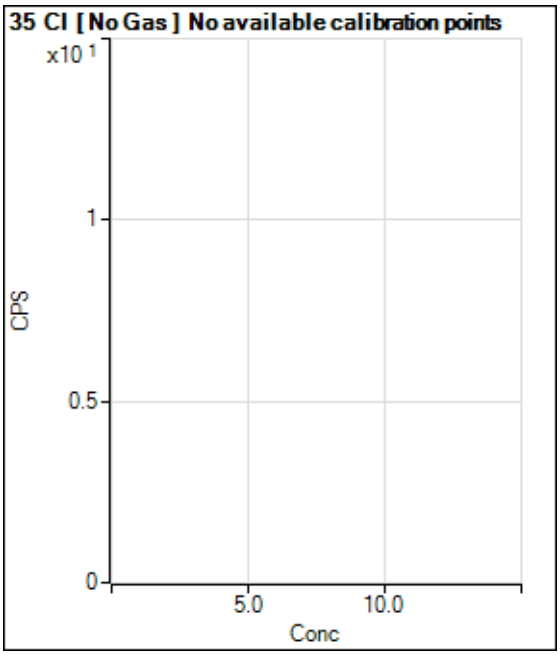
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On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-38.806	198438.30	0.0515	P	1.7
2	☐	0.000	38.806	200168.39	0.0519	P	1.4
3	☐	1000.000	817.247	219019.72	0.0564	P	1.4
4	☐	2500.000	2526.554	252829.35	0.0663	P	0.9
5	☐	5000.000	4726.127	303966.51	0.0789	P	1.8
6	☐	10000.000	9711.101	419141.00	0.1077	P	2.3
7	☐	20000.000	20218.736	648762.85	0.1683	P	1.6
8	☐			186940.79	0.0480	P	1.0

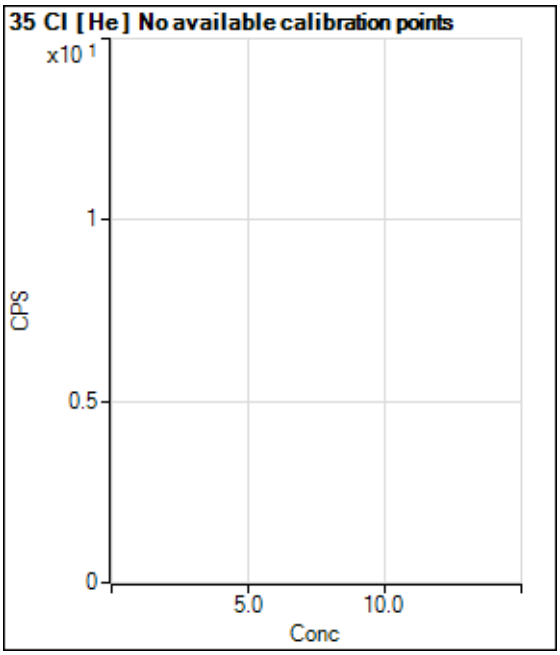
y = 5.7652E-006 * x + 0.0517
R = 0.9997
DL = 417.2
BEC = 8968

Weight: <None>
Min Conc: 0

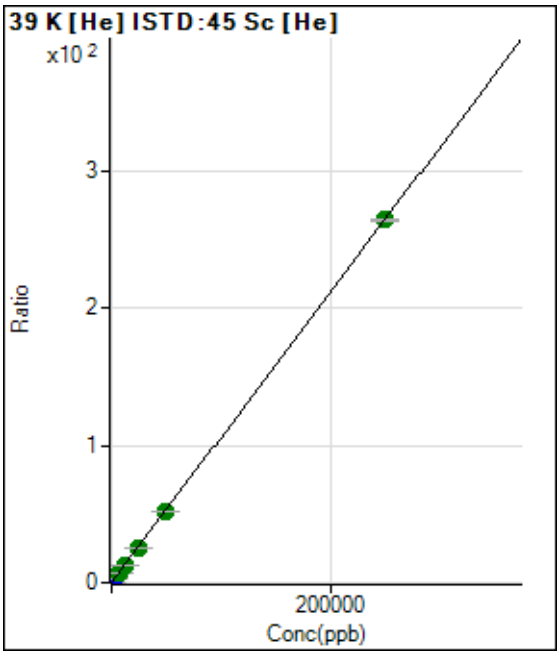


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2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
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On:8/12/2025 3:59:14 PM
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
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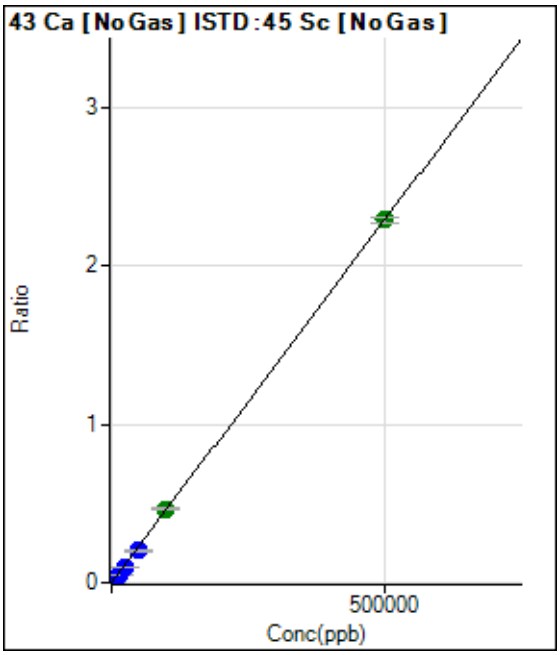


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	65119.62	0.1980	P	0.5
2	☐	500.000	445.161	218064.22	0.6676	P	1.2
3	☐	2500.000	2172.903	817456.09	2.4904	P	0.5
4	☐	6250.000	6063.420	2173601.82	6.5949	A	1.2
5	☐	12500.000	12134.509	4247757.82	12.9998	A	0.5
6	☐	25000.000	24275.077	8569794.04	25.8081	A	0.3
7	☐	50000.000	48996.784	17232596.00	51.8894	A	0.8
8	☐	250000.00	250299.45	89730579.77	264.2629	A	0.8

y = 0.0011 * x + 0.1980
R = 1.0000
DL = 2.54
BEC = 187.7

Weight: <None>
Min Conc: 0

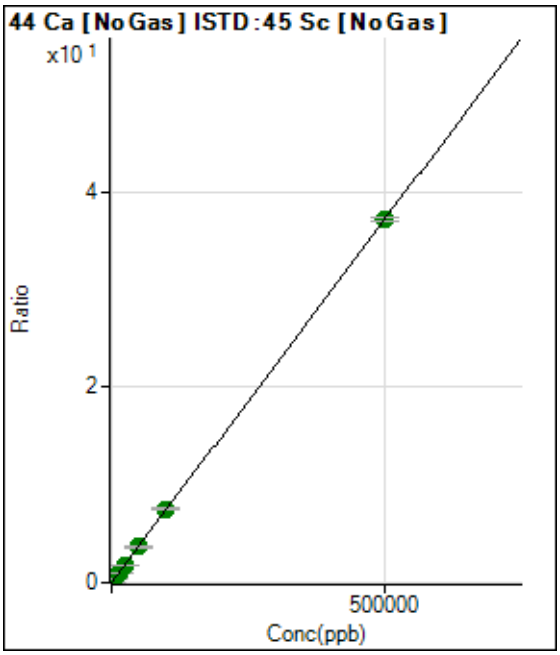
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	401.12	0.0001	P	6.3
2	☐	500.000	452.352	8383.50	0.0022	P	1.8
3	☐	5000.000	4376.214	78182.83	0.0201	P	1.2
4	☐	12500.000	11105.555	194351.14	0.0509	P	1.8
5	☐	25000.000	21898.522	386338.76	0.1003	P	2.4
6	☐	50000.000	44081.384	785840.63	0.2019	P	2.4
7	☐	100000.00	102014.61	1800809.99	0.4671	A	2.3
8	☐	500000.00	500385.16	8912348.62	2.2907	A	1.3

y = 4.5776E-006 * x + 1.0405E-004
R = 0.9999
DL = 4.286
BEC = 22.73

Weight: <None>
Min Conc: 0

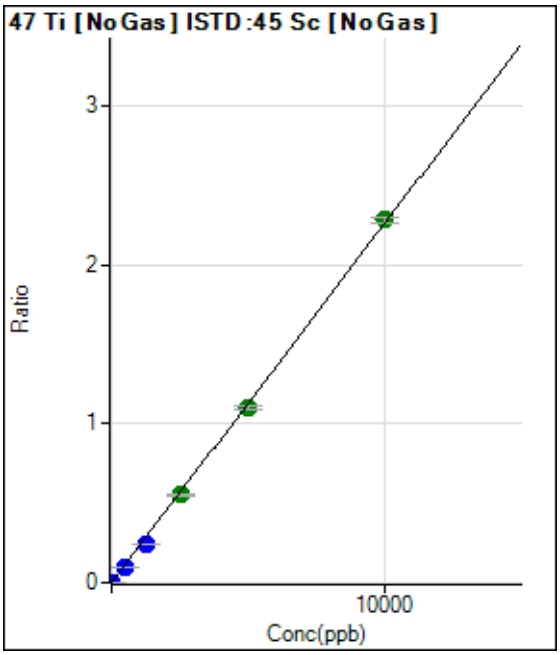


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	33220.96	0.0086	P	2.2
2	☐	500.000	443.119	160037.28	0.0415	P	1.7
3	☐	5000.000	4899.524	1445804.19	0.3724	A	0.7
4	☐	12500.000	12378.057	3538866.27	0.9276	A	1.5
5	☐	25000.000	24365.433	6997576.14	1.8175	A	3.0
6	☐	50000.000	49275.579	14271359.23	3.6668	A	3.0
7	☐	100000.00	101262.39	29016581.23	7.5263	A	2.6
8	☐	500000.00	499855.80	144420245.6	37.1176	A	1.1

y = 7.4239E-005 * x + 0.0086
R = 1.0000
DL = 7.608
BEC = 116.1

Weight: <None>
Min Conc: 0

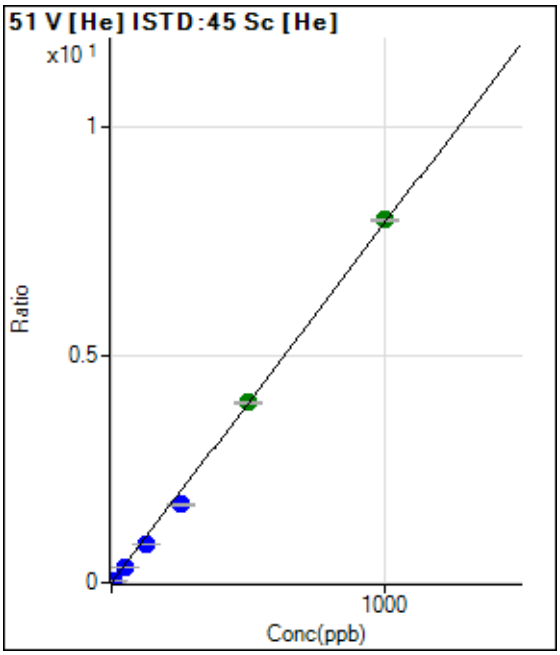
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Inst Id :P7
LB :LB136712



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	101.11	0.0000	P	15.9
2	☐	5.000	4.388	3921.65	0.0010	P	3.5
3	☐	500.000	416.295	365154.67	0.0941	P	1.4
4	☐	1250.000	1052.557	907113.28	0.2378	P	1.4
5	☐	2500.000	2439.598	2121369.88	0.5510	A	2.9
6	☐	5000.000	4876.996	4288072.68	1.1016	A	2.1
7	☐	10000.000	10105.468	8800438.96	2.2825	A	1.4
8	☐			674.47	0.0002	P	7.8

y = 2.2586E-004 * x + 2.6218E-005
R = 0.9997
DL = 0.05533
BEC = 0.1161

Weight: <None>
Min Conc: 0

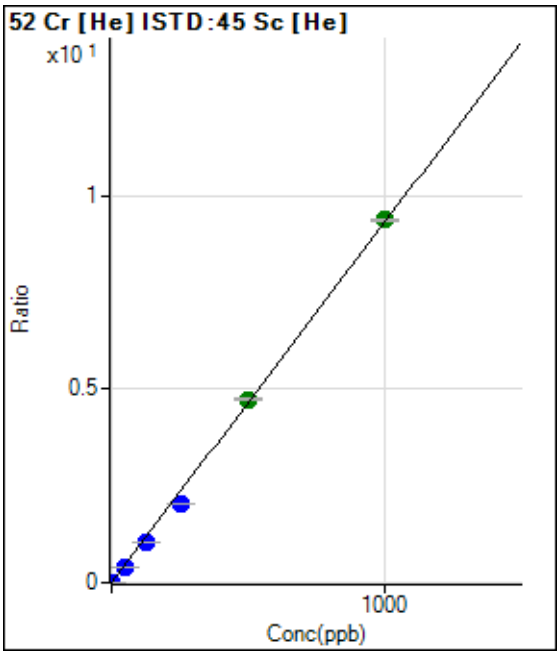


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	16.67	0.0001	P	40.2
2	☐	5.000	4.482	11560.08	0.0354	P	0.5
3	☐	50.000	43.181	111775.16	0.3405	P	1.4
4	☐	125.000	109.293	284044.97	0.8618	P	0.1
5	☐	250.000	216.988	559067.30	1.7110	P	0.6
6	☐	500.000	501.614	1313364.55	3.9552	A	0.8
7	☐	1000.000	1009.753	2644178.04	7.9619	A	0.4
8	☐			862.26	0.0025	P	6.7

y = 0.0079 * x + 5.0675E-005
R = 0.9994
DL = 0.007747
BEC = 0.006427

Weight: <None>
Min Conc: 0

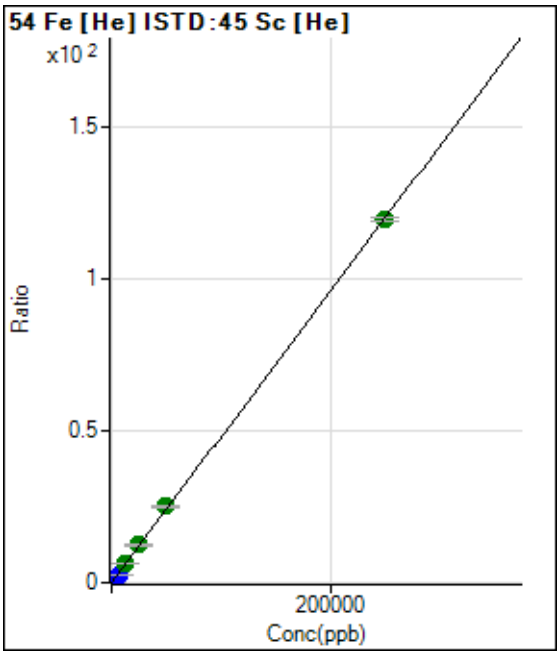
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1990.15	0.0061	P	1.4
2	☐	2.000	1.846	7581.95	0.0232	P	1.4
3	☐	50.000	43.561	134934.77	0.4111	P	0.0
4	☐	125.000	109.788	338448.92	1.0269	P	0.5
5	☐	250.000	217.044	661398.96	2.0241	P	0.3
6	☐	500.000	506.867	1566953.90	4.7189	A	1.1
7	☐	1000.000	1007.029	3111633.60	9.3695	A	0.6
8	☐			15435.80	0.0455	P	1.4

y = 0.0093 * x + 0.0061
R = 0.9994
DL = 0.02819
BEC = 0.6507

Weight: <None>
Min Conc: 0

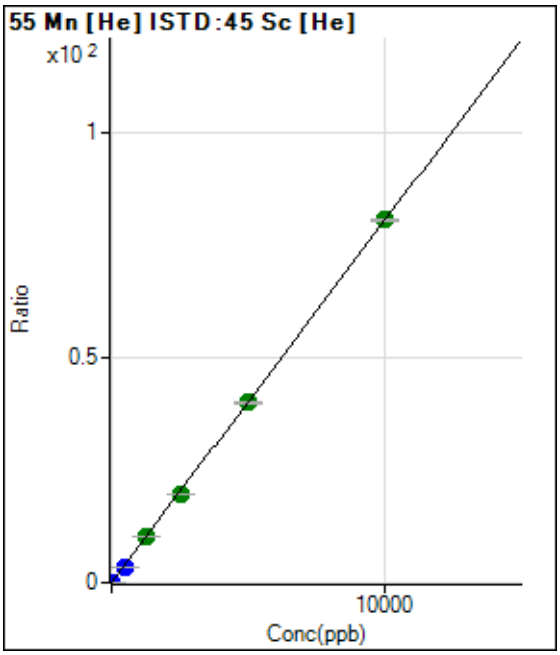


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2363.54	0.0072	P	3.1
2	☐	50.000	46.769	9653.17	0.0296	P	1.1
3	☐	2500.000	2315.363	365847.77	1.1146	P	0.4
4	☐	6250.000	5837.542	922535.73	2.7991	P	0.9
5	☐	12500.000	13185.260	2062980.49	6.3134	A	1.5
6	☐	25000.000	25810.060	4101358.86	12.3515	A	1.9
7	☐	50000.000	52502.495	8341728.90	25.1178	A	1.6
8	☐	250000.00	249396.39	40501296.90	119.2871	A	1.2

y = 4.7827E-004 * x + 0.0072
R = 0.9999
DL = 1.388
BEC = 15.02

Weight: <None>
Min Conc: 0

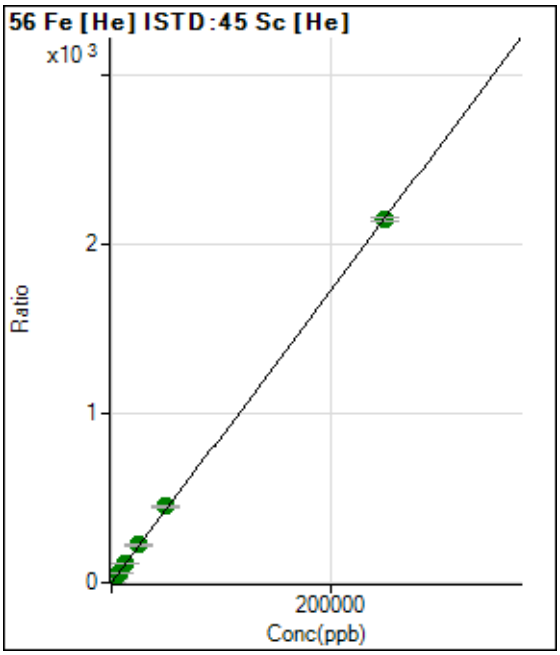
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	5333.22	0.0162	P	3.7
2	☐	1.000	0.718	7181.77	0.0220	P	1.8
3	☐	500.000	423.124	1122059.05	3.4184	P	0.3
4	☐	1250.000	1257.598	3338089.71	10.1280	A	0.3
5	☐	2500.000	2447.193	6434887.75	19.6930	A	0.6
6	☐	5000.000	4987.956	13322812.99	40.1222	A	1.1
7	☐	10000.000	10022.118	26767677.66	80.5996	A	0.6
8	☐			12177.25	0.0359	P	2.1

y = 0.0080 * x + 0.0162
R = 1.0000
DL = 0.2251
BEC = 2.017

Weight: <None>
Min Conc: 0

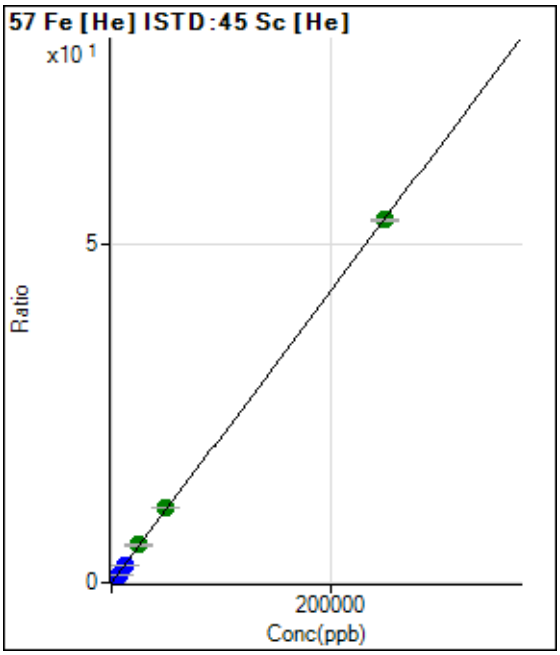


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	19253.57	0.0585	P	2.1
2	☐	50.000	46.459	149815.17	0.4586	P	0.4
3	☐	2500.000	2558.496	7251693.85	22.0925	A	0.8
4	☐	6250.000	6558.263	18634439.03	56.5387	A	0.9
5	☐	12500.000	12932.385	36409974.73	111.4331	A	1.3
6	☐	25000.000	26039.526	74484215.56	224.3126	A	2.5
7	☐	50000.000	52311.361	149634505.5	450.5674	A	0.5
8	☐	250000.00	249403.86	729306309.1	2,147.941	A	1.0

y = 0.0086 * x + 0.0585
R = 1.0000
DL = 0.426
BEC = 6.796

Weight: <None>
Min Conc: 0

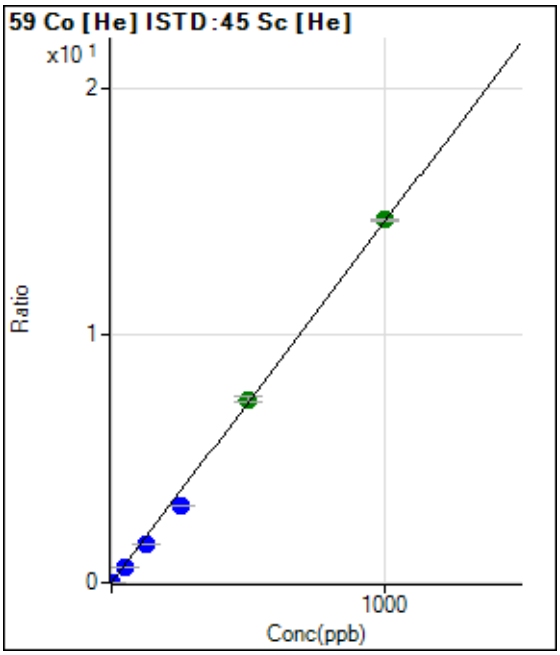
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1202.28	0.0037	P	5.5
2	☐	50.000	50.988	4778.58	0.0146	P	0.6
3	☐	2500.000	2315.093	164750.12	0.5019	P	1.1
4	☐	6250.000	5802.584	412815.84	1.2525	P	0.4
5	☐	12500.000	11618.075	818237.44	2.5042	P	0.5
6	☐	25000.000	25880.830	1850853.88	5.5739	A	1.6
7	☐	50000.000	51845.198	3706968.90	11.1621	A	0.5
8	☐	250000.00	249600.00	18241535.70	53.7241	A	0.4

y = 2.1523E-004 * x + 0.0037
R = 0.9999
DL = 2.815
BEC = 16.98

Weight: <None>
Min Conc: 0

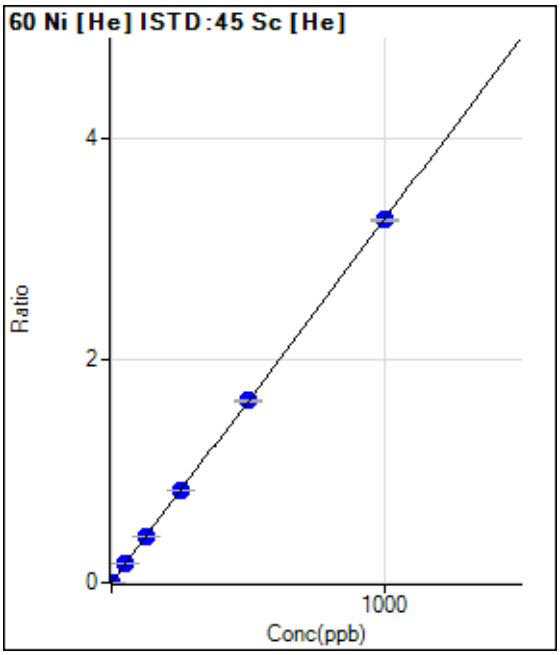


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	88.89	0.0003	P	17.5
2	☐	1.000	0.933	4529.63	0.0139	P	1.8
3	☐	50.000	43.176	206596.14	0.6294	P	0.7
4	☐	125.000	108.599	521626.90	1.5827	P	0.7
5	☐	250.000	215.730	1027213.48	3.1437	P	0.3
6	☐	500.000	508.596	2460896.04	7.4111	A	3.0
7	☐	1000.000	1006.661	4871497.08	14.6685	A	0.5
8	☐			7435.25	0.0219	P	1.1

y = 0.0146 * x + 2.7043E-004
R = 0.9993
DL = 0.009737
BEC = 0.01856

Weight: <None>
Min Conc: 0

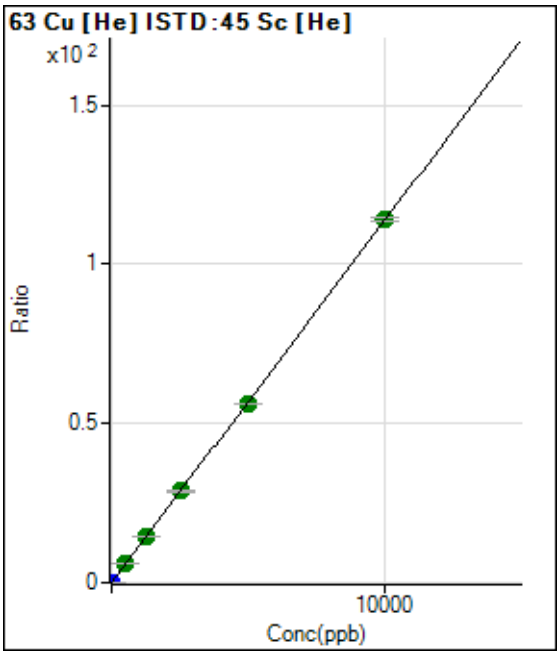
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	445.57	0.0014	P	1.1
2	☐	1.000	1.027	1537.87	0.0047	P	5.1
3	☐	50.000	50.134	54204.46	0.1651	P	0.6
4	☐	125.000	128.238	138520.49	0.4203	P	1.1
5	☐	250.000	253.284	270809.59	0.8288	P	0.4
6	☐	500.000	500.479	543358.21	1.6363	P	0.4
7	☐	1000.000	998.528	1083779.79	3.2634	P	0.3
8	☐			4851.95	0.0143	P	2.4

y = 0.0033 * x + 0.0014
R = 1.0000
DL = 0.01385
BEC = 0.4147

Weight: <None>
Min Conc: 0

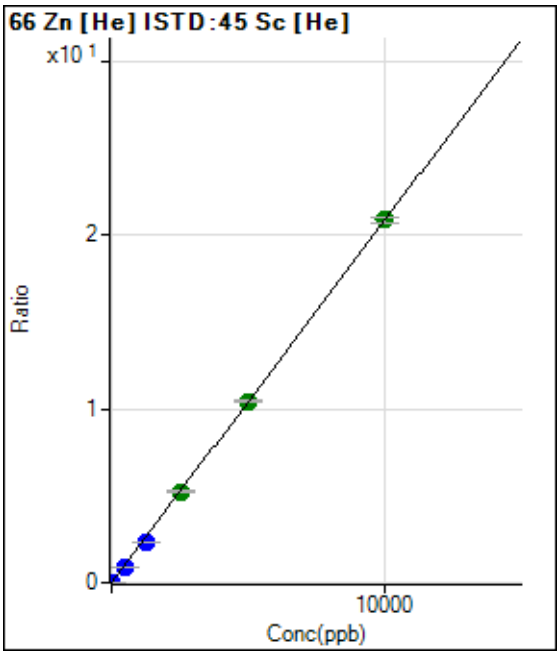


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1475.65	0.0045	P	10.2
2	☐	2.000	1.594	7380.77	0.0226	P	1.0
3	☐	500.000	506.301	1889911.72	5.7576	A	0.7
4	☐	1250.000	1271.204	4762374.06	14.4492	A	0.7
5	☐	2500.000	2525.073	9376928.75	28.6969	A	0.9
6	☐	5000.000	4936.445	18627661.25	56.0974	A	0.4
7	☐	10000.000	10022.544	37823462.77	113.8908	A	0.9
8	☐			10110.17	0.0298	P	0.6

y = 0.0114 * x + 0.0045
R = 1.0000
DL = 0.1207
BEC = 0.395

Weight: <None>
Min Conc: 0

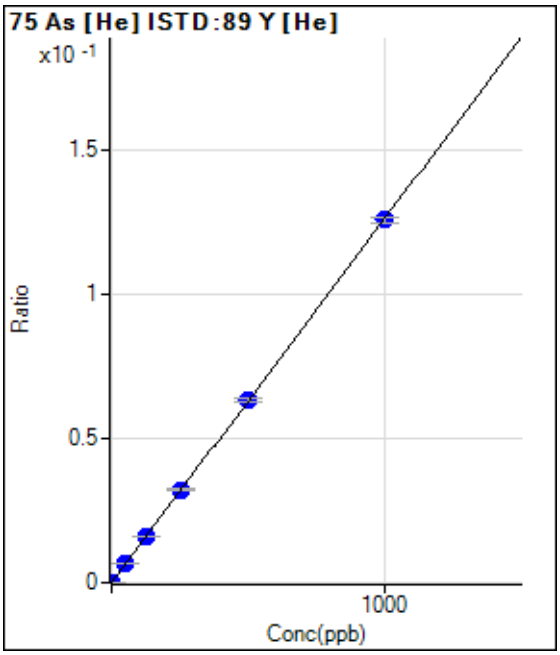
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	723.36	0.0022	P	8.5
2	☐	5.000	4.291	3636.03	0.0111	P	3.6
3	☐	500.000	443.076	303521.58	0.9247	P	0.4
4	☐	1250.000	1107.597	760773.68	2.3082	P	0.4
5	☐	2500.000	2507.740	1706704.21	5.2233	A	1.5
6	☐	5000.000	4999.611	3457189.60	10.4114	A	1.2
7	☐	10000.000	10018.906	6928320.31	20.8617	A	1.5
8	☐			3263.73	0.0096	P	0.9

y = 0.0021 * x + 0.0022
R = 0.9999
DL = 0.2697
BEC = 1.056

Weight: <None>
Min Conc: 0

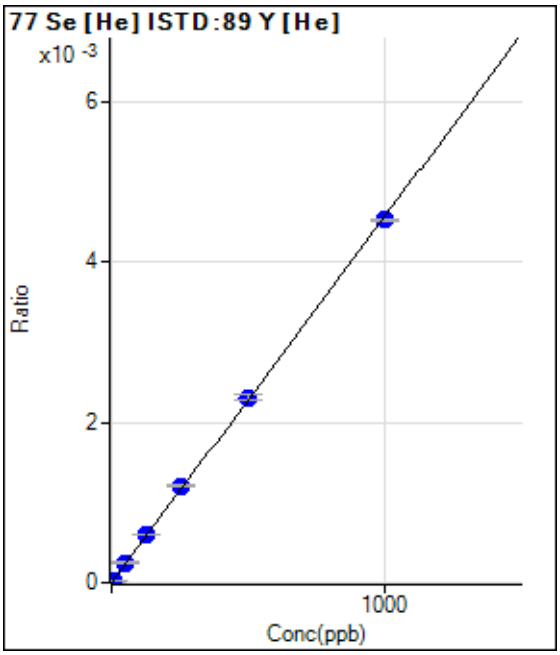


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	8.89	0.0000	P	42.3
2	☐	1.000	1.103	390.01	0.0001	P	11.3
3	☐	50.000	51.011	17464.78	0.0064	P	0.4
4	☐	125.000	128.045	44394.19	0.0161	P	1.7
5	☐	250.000	255.762	87931.93	0.0322	P	1.1
6	☐	500.000	501.160	177379.33	0.0631	P	2.4
7	☐	1000.000	997.548	355300.28	0.1256	P	1.3
8	☐			385.56	0.0001	P	2.9

y = 1.2593E-004 * x + 3.2125E-006
R = 1.0000
DL = 0.03234
BEC = 0.02551

Weight: <None>
Min Conc: 0

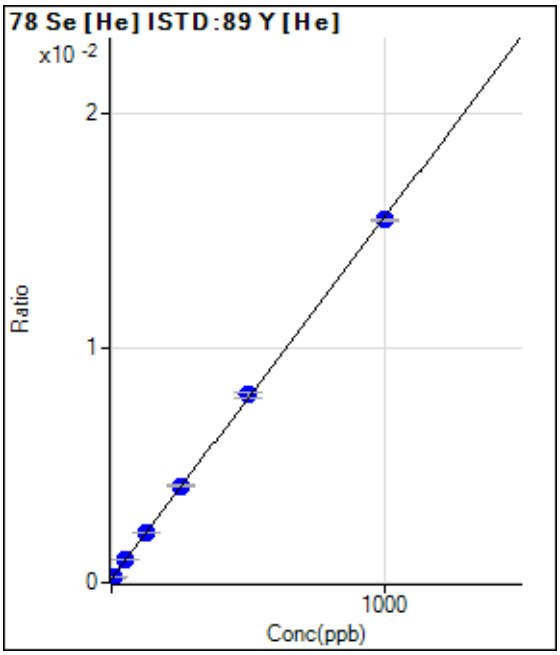
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1.11	0.0000	P	173.
2	☐	5.000	5.130	65.56	0.0000	P	29.3
3	☐	50.000	53.173	660.02	0.0002	P	12.0
4	☐	125.000	132.044	1659.00	0.0006	P	2.3
5	☐	250.000	263.588	3281.50	0.0012	P	1.5
6	☐	500.000	507.132	6498.15	0.0023	P	3.0
7	☐	1000.000	991.997	12793.41	0.0045	P	0.3
8	☐			11.11	0.0000	P	17.7

y = 4.5590E-006 * x + 4.0042E-007
R = 0.9999
DL = 0.4564
BEC = 0.08783

Weight: <None>
Min Conc: 0

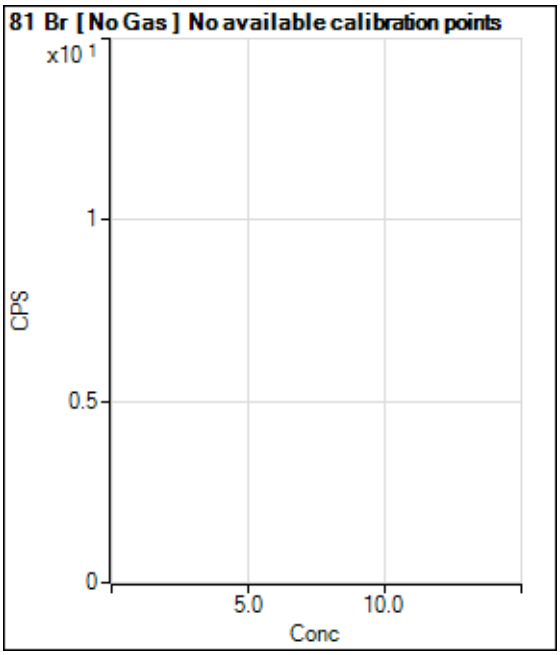


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	463.34	0.0002	P	11.8
2	☐	5.000	4.103	634.46	0.0002	P	3.1
3	☐	50.000	52.169	2640.26	0.0010	P	0.4
4	☐	125.000	127.605	5874.55	0.0021	P	1.3
5	☐	250.000	257.662	11296.63	0.0041	P	0.5
6	☐	500.000	509.167	22519.46	0.0080	P	3.1
7	☐	1000.000	993.071	43756.92	0.0155	P	0.8
8	☐			537.79	0.0002	P	11.5

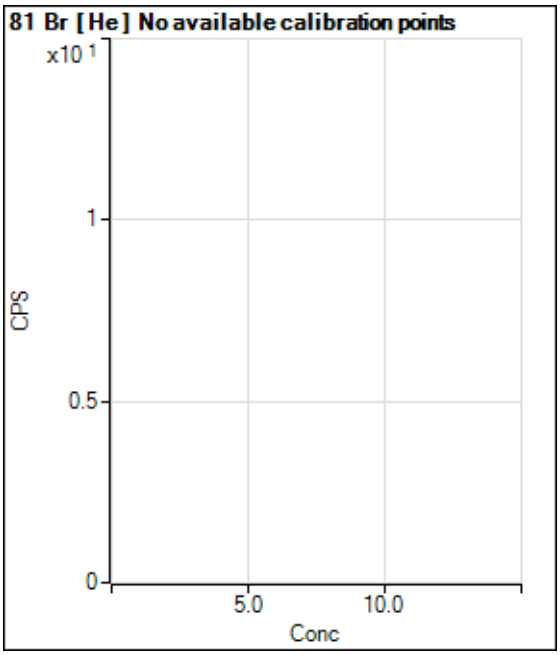
y = 1.5410E-005 * x + 1.6769E-004
R = 0.9999
DL = 3.837
BEC = 10.88

Weight: <None>
Min Conc: 0

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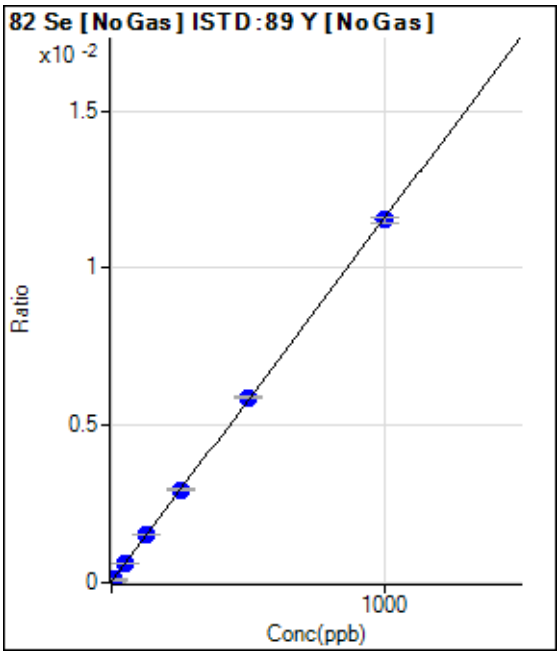


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			8837.17		P	3.2
2	☐			8833.85		P	2.6
3	☐			8882.76		P	0.7
4	☐			8887.19		P	1.3
5	☐			8737.11		P	1.8
6	☐			8786.02		P	1.5
7	☐			9303.01		P	0.8
8	☐			9463.12		P	2.6



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			116.67		P	20.6
2	☐			115.56		P	7.3
3	☐			94.44		P	22.7
4	☐			88.89		P	11.5
5	☐			124.45		P	4.1
6	☐			106.66		P	10.8
7	☐			124.44		P	32.4
8	☐			277.78		P	4.2

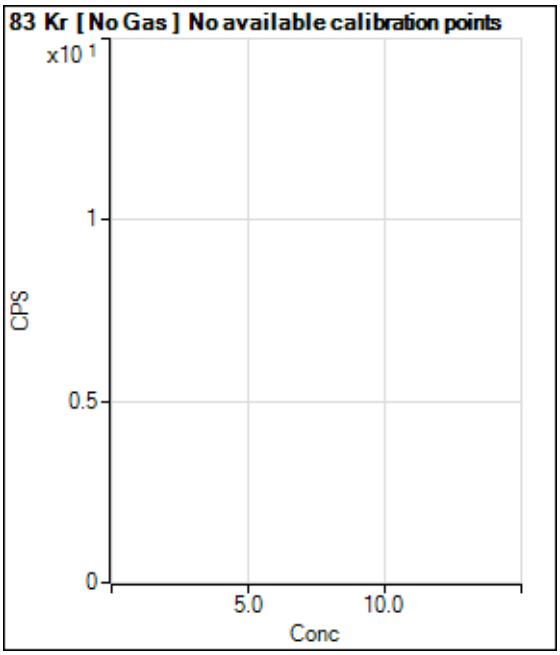
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	269.76	0.0000	P	5.2
2	☐	5.000	5.583	866.84	0.0001	P	4.9
3	☐	50.000	52.052	5923.38	0.0006	P	1.3
4	☐	125.000	129.402	14060.26	0.0015	P	1.2
5	☐	250.000	253.060	27705.51	0.0030	P	0.9
6	☐	500.000	506.241	55290.36	0.0059	P	1.4
7	☐	1000.000	995.459	110481.35	0.0115	P	1.3
8	☐			368.20	0.0000	P	13.9

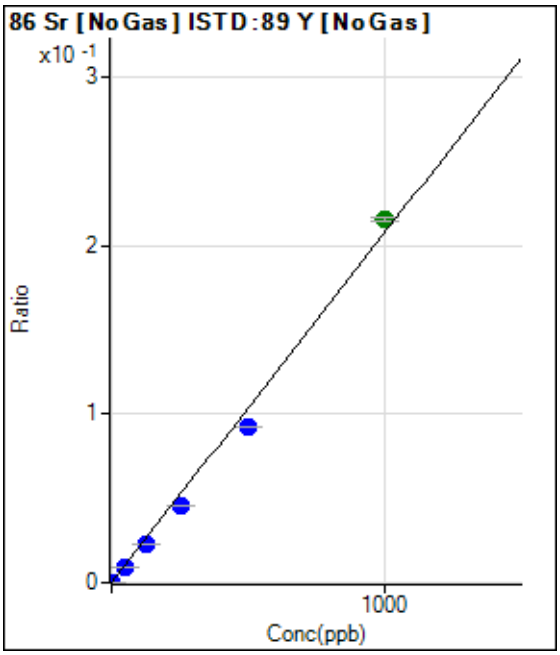
y = 1.1551E-005 * x + 2.9440E-005
R = 1.0000
DL = 0.4007
BEC = 2.549

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			438.90		P	2.4
2	☐			467.79		P	3.0
3	☐			416.68		P	7.7
4	☐			426.68		P	10.0
5	☐			453.35		P	2.7
6	☐			478.90		P	17.5
7	☐			462.24		P	9.8
8	☐			498.90		P	7.2

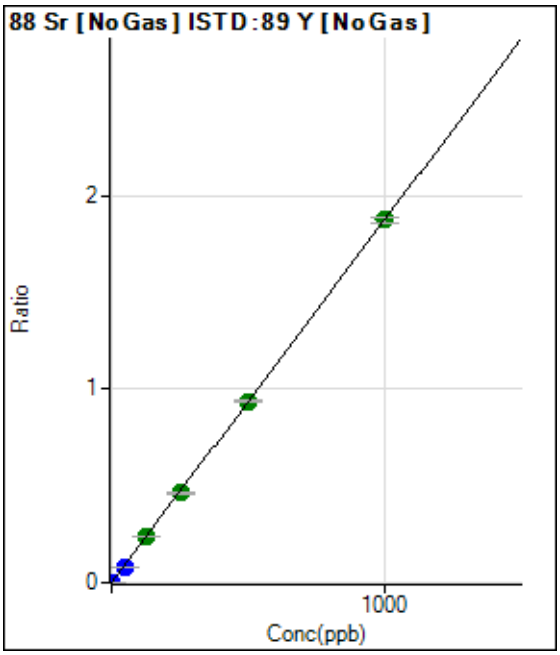
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	758.91	0.0001	P	6.0
2	☐	1.000	0.853	2399.11	0.0003	P	4.6
3	☐	50.000	43.472	85524.84	0.0091	P	1.2
4	☐	125.000	110.976	213249.28	0.0231	P	0.9
5	☐	250.000	219.965	429176.66	0.0457	P	0.9
6	☐	500.000	444.397	868524.79	0.0923	P	0.7
7	☐	1000.000	1037.390	2064395.71	0.2154	A	1.1
8	☐			23437.61	0.0025	P	0.9

y = 2.0755E-004 * x + 8.2936E-005
R = 0.9973
DL = 0.07198
BEC = 0.3996

Weight: <None>
Min Conc: 0

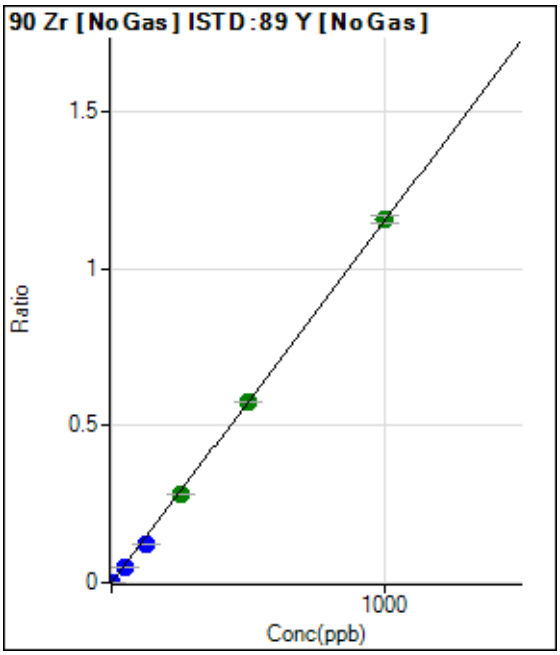


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	230.00	0.0000	P	17.1
2	☐	1.000	0.853	14971.06	0.0016	P	0.8
3	☐	50.000	42.378	745706.56	0.0794	P	1.8
4	☐	125.000	126.038	2177708.09	0.2361	A	1.8
5	☐	250.000	247.481	4349472.23	0.4635	A	1.2
6	☐	500.000	500.939	8826747.58	0.9382	A	0.6
7	☐	1000.000	1000.412	17956915.71	1.8737	A	1.6
8	☐			195581.78	0.0212	P	0.9

y = 0.0019 * x + 2.5146E-005
R = 1.0000
DL = 0.006889
BEC = 0.01343

Weight: <None>
Min Conc: 0

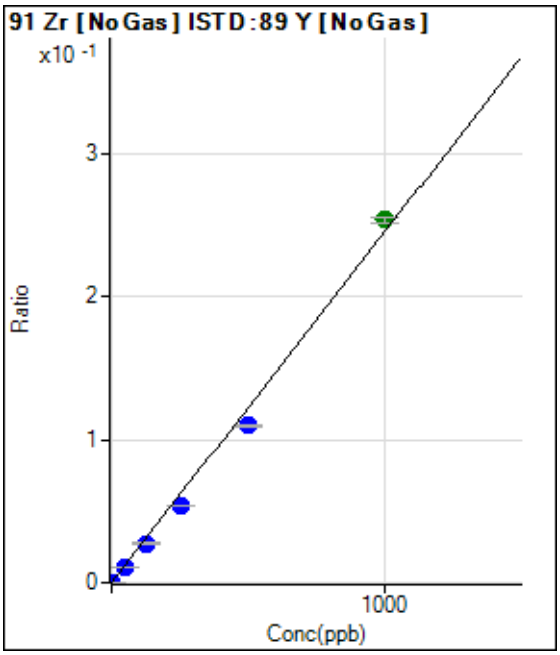
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	421.13	0.0000	P	10.0
2	☐	1.000	0.867	9632.15	0.0010	P	1.1
3	☐	50.000	41.942	453922.21	0.0483	P	1.1
4	☐	125.000	106.862	1135261.14	0.1231	P	1.0
5	☐	250.000	245.998	2657789.78	0.2832	A	1.0
6	☐	500.000	500.299	5418841.03	0.5760	A	0.2
7	☐	1000.000	1003.521	11071927.61	1.1553	A	1.9
8	☐			8509.20	0.0009	P	1.4

y = 0.0012 * x + 4.5963E-005
R = 0.9998
DL = 0.01195
BEC = 0.03993

Weight: <None>
Min Conc: 0

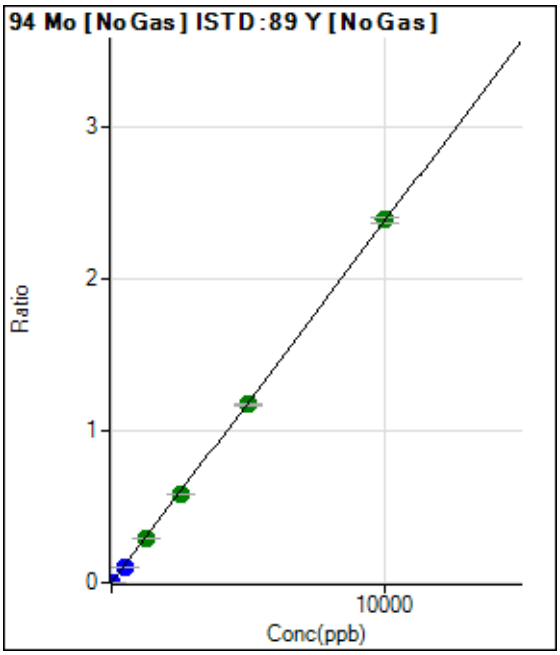


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	76.67	0.0000	P	3.5
2	☐	1.000	0.920	2157.96	0.0002	P	3.9
3	☐	50.000	43.493	100219.63	0.0107	P	0.7
4	☐	125.000	112.048	253470.24	0.0275	P	0.9
5	☐	250.000	220.504	507322.10	0.0541	P	0.2
6	☐	500.000	448.349	1034123.02	0.1099	P	1.0
7	☐	1000.000	1035.144	2432088.68	0.2538	A	1.6
8	☐			1841.25	0.0002	P	3.0

y = 2.4514E-004 * x + 8.3709E-006
R = 0.9976
DL = 0.003613
BEC = 0.03415

Weight: <None>
Min Conc: 0

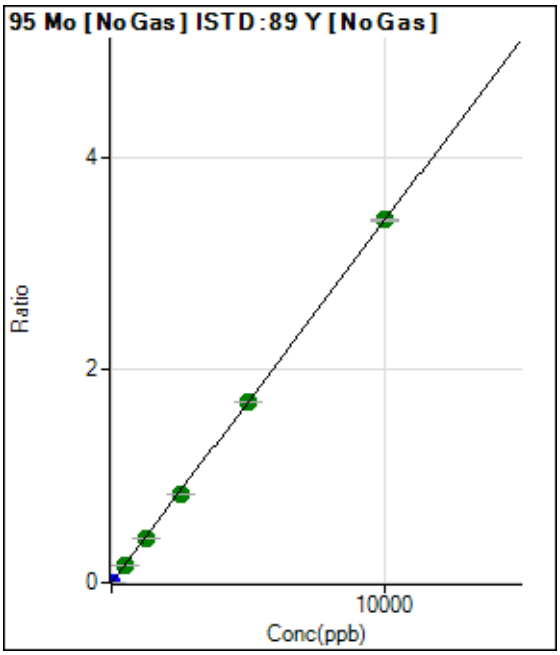
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	217.78	0.0000	P	6.0
2	☐	5.000	5.125	11449.02	0.0012	P	0.7
3	☐	500.000	415.205	926013.49	0.0986	P	0.6
4	☐	1250.000	1236.713	2708641.25	0.2936	A	0.7
5	☐	2500.000	2456.345	5472174.71	0.5831	A	0.5
6	☐	5000.000	4937.939	11028739.14	1.1723	A	0.5
7	☐	10000.000	10047.845	22861130.49	2.3853	A	1.7
8	☐			5926.81	0.0006	P	3.2

y = 2.3740E-004 * x + 2.3800E-005
R = 0.9999
DL = 0.01795
BEC = 0.1003

Weight: <None>
Min Conc: 0

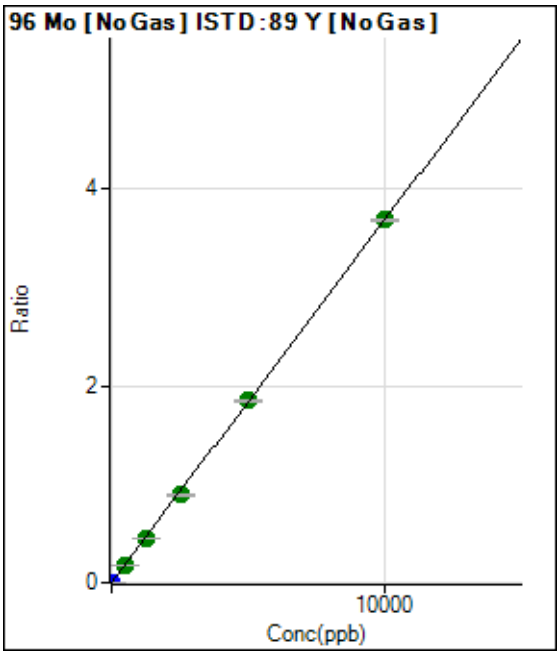


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	218.89	0.0000	P	6.5
2	☐	5.000	4.304	13744.33	0.0015	P	2.3
3	☐	500.000	480.451	1536672.58	0.1636	A	0.6
4	☐	1250.000	1220.475	3833528.07	0.4156	A	0.3
5	☐	2500.000	2451.831	7833567.52	0.8348	A	0.3
6	☐	5000.000	4995.705	16002228.93	1.7009	A	0.9
7	☐	10000.000	10018.858	32692739.23	3.4111	A	0.8
8	☐			4857.52	0.0005	P	3.7

y = 3.4047E-004 * x + 2.3884E-005
R = 1.0000
DL = 0.01369
BEC = 0.07015

Weight: <None>
Min Conc: 0

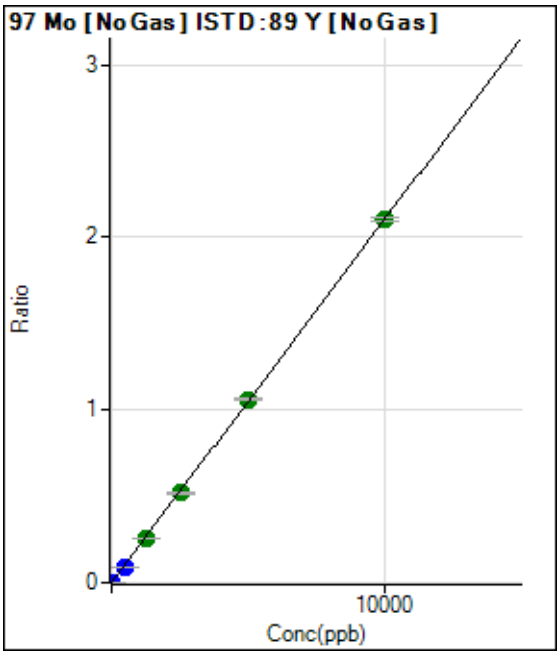
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	242.23	0.0000	P	8.6
2	☐	5.000	4.416	15241.38	0.0017	P	1.8
3	☐	500.000	486.570	1682224.35	0.1791	A	1.4
4	☐	1250.000	1228.425	4171011.22	0.4521	A	1.3
5	☐	2500.000	2430.753	8394716.06	0.8946	A	1.5
6	☐	5000.000	5020.873	17385127.38	1.8479	A	0.5
7	☐	10000.000	10010.244	35309480.86	3.6842	A	0.8
8	☐			9448.69	0.0010	P	2.5

y = 3.6804E-004 * x + 2.6480E-005
R = 1.0000
DL = 0.01863
BEC = 0.07195

Weight: <None>
Min Conc: 0

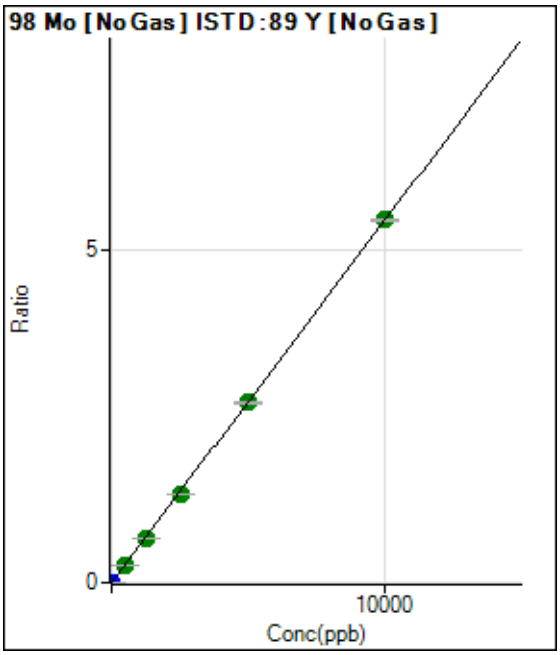


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	141.11	0.0000	P	5.2
2	☐	5.000	4.386	8654.88	0.0009	P	2.1
3	☐	500.000	420.501	830798.88	0.0885	P	1.0
4	☐	1250.000	1227.384	2381386.60	0.2582	A	1.8
5	☐	2500.000	2467.245	4869281.66	0.5189	A	1.6
6	☐	5000.000	5044.122	9980963.12	1.0609	A	1.0
7	☐	10000.000	9992.930	20143125.81	2.1017	A	1.1
8	☐			3007.01	0.0003	P	5.2

y = 2.1032E-004 * x + 1.5418E-005
R = 1.0000
DL = 0.01142
BEC = 0.07331

Weight: <None>
Min Conc: 0

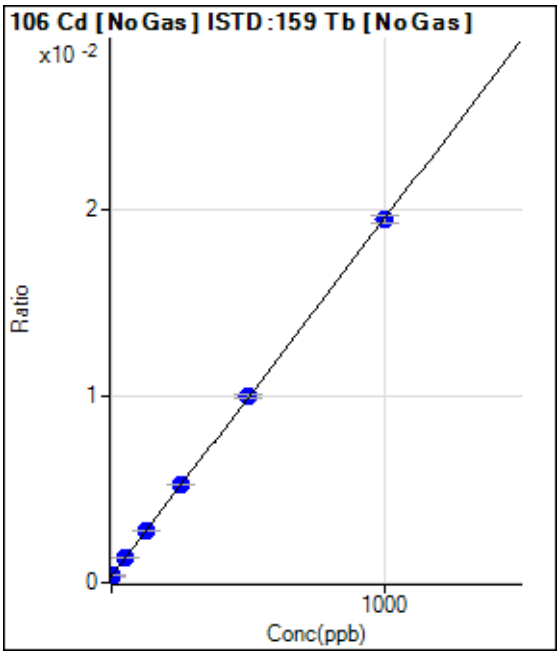
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	305.56	0.0000	P	11.9
2	☐	5.000	4.335	22027.87	0.0024	P	2.7
3	☐	500.000	486.512	2481605.19	0.2642	A	1.1
4	☐	1250.000	1232.437	6173886.78	0.6693	A	1.1
5	☐	2500.000	2451.159	12490393.01	1.3310	A	0.6
6	☐	5000.000	4980.225	25442981.01	2.7044	A	1.0
7	☐	10000.000	10024.968	52172967.56	5.4437	A	0.8
8	☐			7648.74	0.0008	P	3.4

y = 5.4301E-004 * x + 3.3419E-005
R = 1.0000
DL = 0.02205
BEC = 0.06154

Weight: <None>
Min Conc: 0

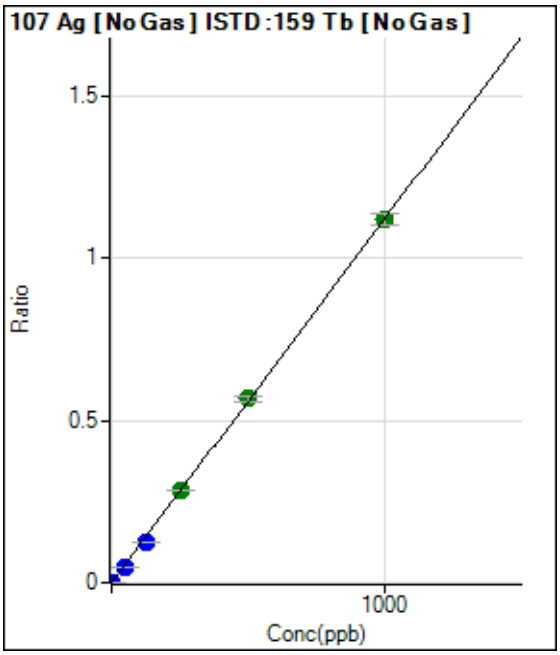


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2342.43	0.0003	P	5.0
2	☐	1.000	1.731	2561.36	0.0004	P	1.3
3	☐	50.000	52.120	9404.27	0.0013	P	1.7
4	☐	125.000	127.832	19330.76	0.0028	P	0.6
5	☐	250.000	255.547	37244.55	0.0052	P	0.6
6	☐	500.000	503.322	72455.47	0.0100	P	2.3
7	☐	1000.000	996.492	143038.07	0.0194	P	2.3
8	☐			2304.65	0.0003	P	1.7

y = 1.9133E-005 * x + 3.3867E-004
R = 1.0000
DL = 2.641
BEC = 17.7

Weight: <None>
Min Conc: 0

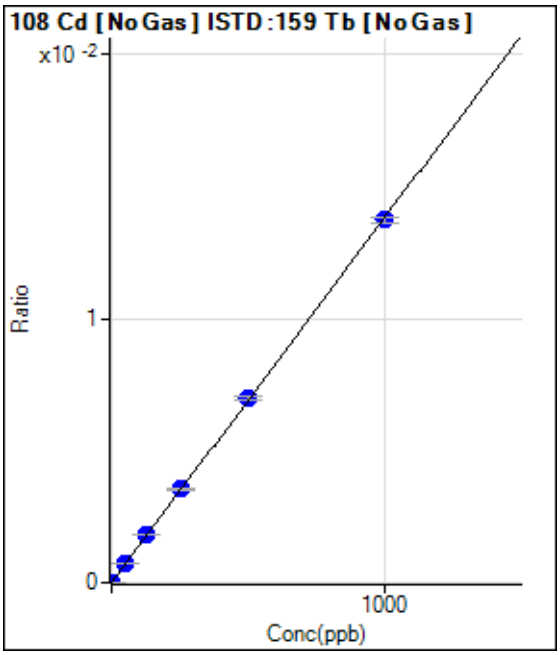
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	47.78	0.0000	P	31.9
2	☐	1.000	0.911	7078.46	0.0010	P	3.7
3	☐	50.000	43.946	346827.70	0.0493	P	2.3
4	☐	125.000	111.203	865490.27	0.1247	P	1.0
5	☐	250.000	254.405	2031857.21	0.2852	A	0.4
6	☐	500.000	505.847	4121850.56	0.5671	A	3.5
7	☐	1000.000	998.003	8246581.55	1.1188	A	3.2
8	☐			744.47	0.0001	P	13.8

y = 0.0011 * x + 6.9180E-006
R = 0.9998
DL = 0.005902
BEC = 0.006171

Weight: <None>
Min Conc: 0

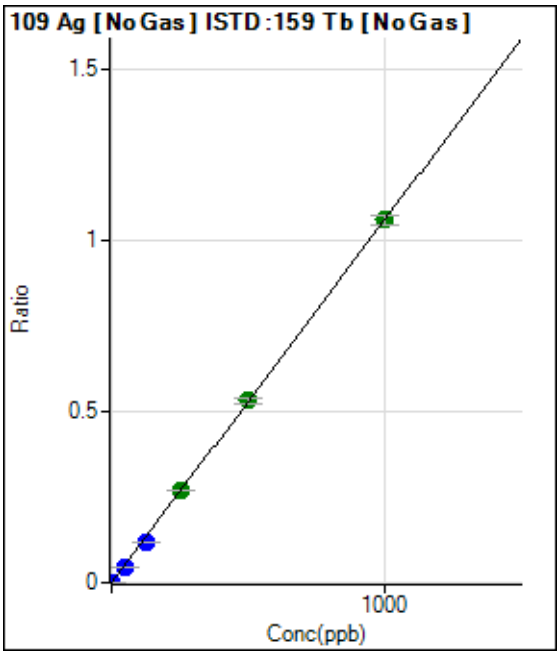


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	10.00	0.0000	P	1.0
2	☐	1.000	0.891	94.44	0.0000	P	24.2
3	☐	50.000	51.646	5026.49	0.0007	P	3.8
4	☐	125.000	132.518	12705.70	0.0018	P	1.2
5	☐	250.000	255.693	25148.57	0.0035	P	1.3
6	☐	500.000	506.127	50774.25	0.0070	P	2.9
7	☐	1000.000	994.491	101176.83	0.0137	P	1.8
8	☐			86.67	0.0000	P	10.7

y = 1.3800E-005 * x + 1.4463E-006
R = 0.9999
DL = 0.00302
BEC = 0.1048

Weight: <None>
Min Conc: 0

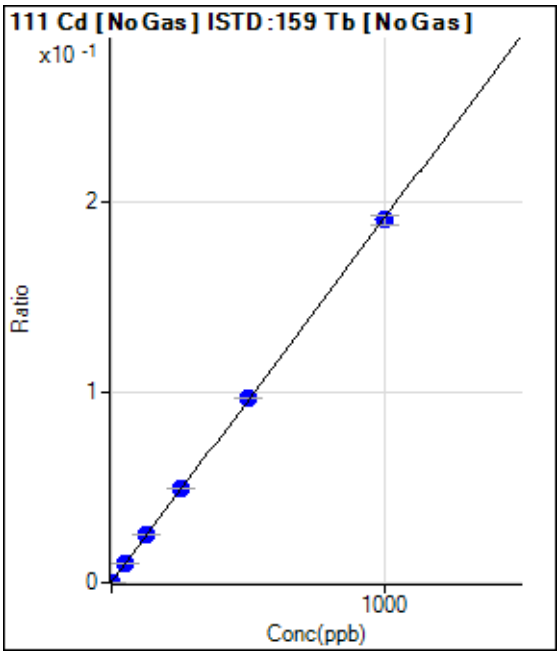
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	42.22	0.0000	P	20.5
2	☐	1.000	0.894	6562.66	0.0010	P	3.5
3	☐	50.000	43.551	324511.51	0.0461	P	2.0
4	☐	125.000	110.411	811328.48	0.1169	P	0.4
5	☐	250.000	253.619	1912432.65	0.2684	A	0.7
6	☐	500.000	501.277	3856092.20	0.5306	A	2.8
7	☐	1000.000	1000.603	7806426.27	1.0590	A	2.8
8	☐			672.24	0.0001	P	10.8

y = 0.0011 * x + 6.1117E-006
R = 0.9999
DL = 0.003545
BEC = 0.005774

Weight: <None>
Min Conc: 0

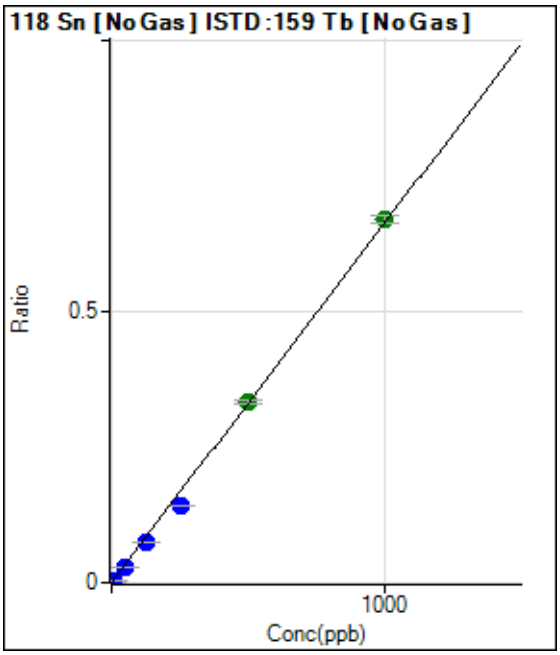


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1644.92	0.0002	P	4.8
2	☐	1.000	1.157	3161.38	0.0005	P	1.5
3	☐	50.000	51.787	71270.13	0.0101	P	1.4
4	☐	125.000	131.284	175653.17	0.0253	P	0.7
5	☐	250.000	255.891	349722.12	0.0491	P	0.7
6	☐	500.000	505.527	703265.83	0.0967	P	0.8
7	☐	1000.000	994.889	1401805.73	0.1902	P	2.8
8	☐			2202.61	0.0003	P	0.9

y = 1.9091E-004 * x + 2.3783E-004
R = 0.9999
DL = 0.1811
BEC = 1.246

Weight: <None>
Min Conc: 0

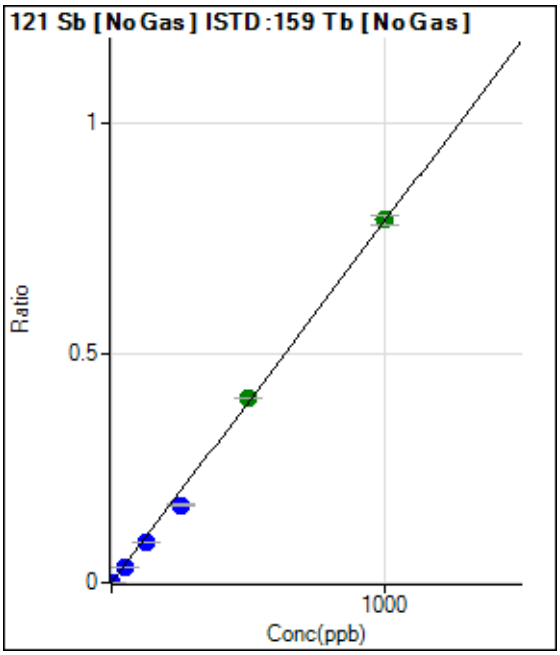
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1994.61	0.0003	P	6.9
2	☐	5.000	4.441	22247.34	0.0032	P	1.8
3	☐	50.000	43.478	204690.21	0.0291	P	1.2
4	☐	125.000	110.068	507993.41	0.0732	P	0.6
5	☐	250.000	215.834	1020238.48	0.1432	P	0.2
6	☐	500.000	502.287	2419495.33	0.3329	A	2.5
7	☐	1000.000	1009.593	4930662.53	0.6688	A	2.2
8	☐			2006.83	0.0003	P	5.3

y = 6.6217E-004 * x + 2.8857E-004
R = 0.9994
DL = 0.08983
BEC = 0.4358

Weight: <None>
Min Conc: 0

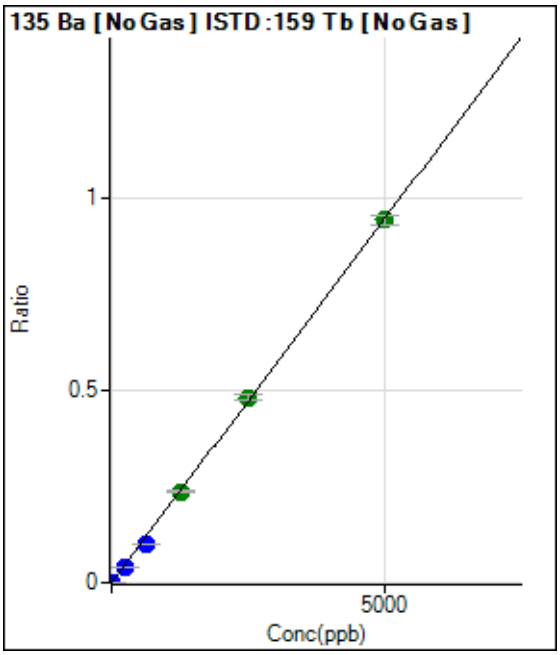


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	41.11	0.0000	P	25.0
2	☐	2.000	1.822	9914.61	0.0014	P	2.7
3	☐	50.000	43.570	241257.09	0.0343	P	1.4
4	☐	125.000	111.026	606267.73	0.0873	P	1.0
5	☐	250.000	215.393	1206946.27	0.1694	P	0.5
6	☐	500.000	512.204	2928385.93	0.4029	A	0.4
7	☐	1000.000	1004.618	5824493.11	0.7901	A	2.5
8	☐			3932.81	0.0006	P	5.2

y = 7.8650E-004 * x + 5.9358E-006
R = 0.9992
DL = 0.005671
BEC = 0.007547

Weight: <None>
Min Conc: 0

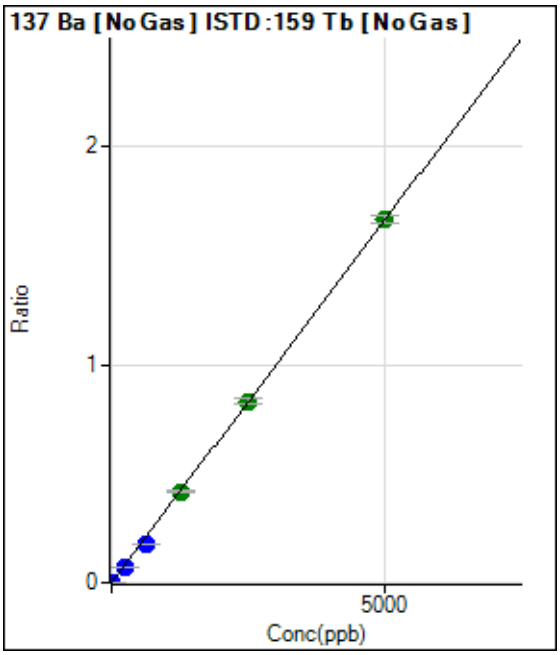
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	27.78	0.0000	P	65.9
2	☐	10.000	8.736	11405.77	0.0017	P	1.0
3	☐	250.000	211.119	280991.06	0.0399	P	0.8
4	☐	625.000	538.268	706509.92	0.1018	P	1.1
5	☐	1250.000	1253.689	1688671.30	0.2370	A	1.3
6	☐	2500.000	2545.538	3497832.66	0.4813	A	2.6
7	☐	5000.000	4989.097	6952839.41	0.9432	A	2.5
8	☐			3133.71	0.0004	P	2.6

y = 1.8906E-004 * x + 4.0133E-006
R = 0.9998
DL = 0.04198
BEC = 0.02123

Weight: <None>
Min Conc: 0

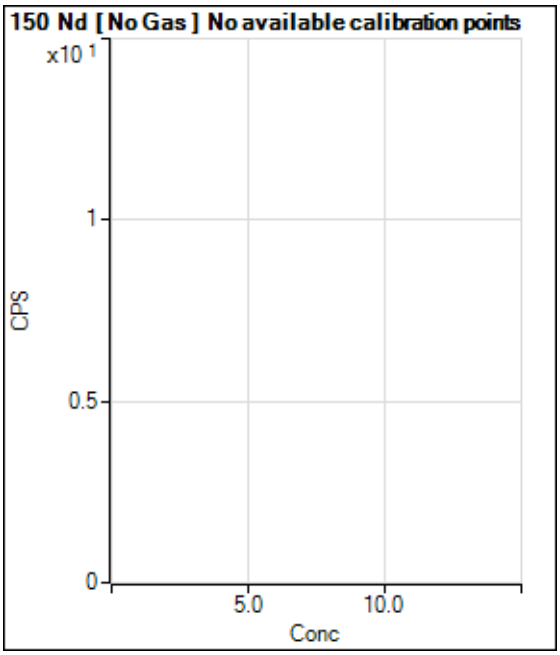


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	64.44	0.0000	P	2.1
2	☐	10.000	8.761	20139.95	0.0029	P	1.1
3	☐	250.000	209.035	489447.86	0.0695	P	2.0
4	☐	625.000	532.664	1229996.93	0.1772	P	0.8
5	☐	1250.000	1254.042	2971645.17	0.4171	A	2.1
6	☐	2500.000	2508.435	6064035.81	0.8343	A	2.5
7	☐	5000.000	5008.365	12279439.26	1.6658	A	2.2
8	☐			5467.77	0.0008	P	1.2

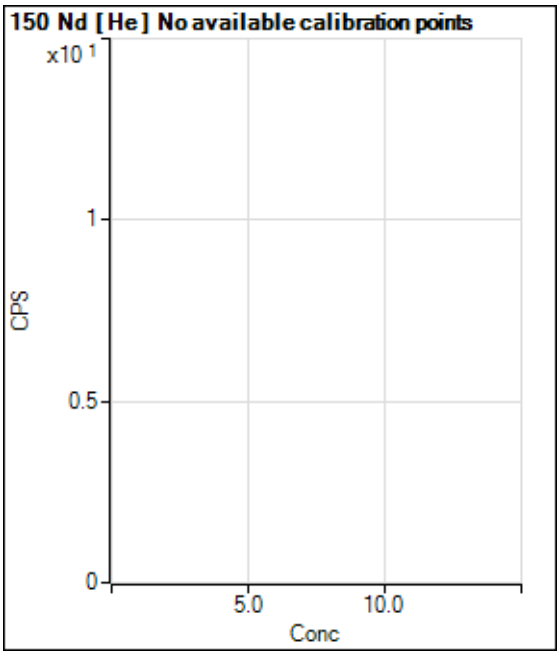
y = 3.3260E-004 * x + 9.3185E-006
R = 0.9998
DL = 0.001765
BEC = 0.02802

Weight: <None>
Min Conc: 0

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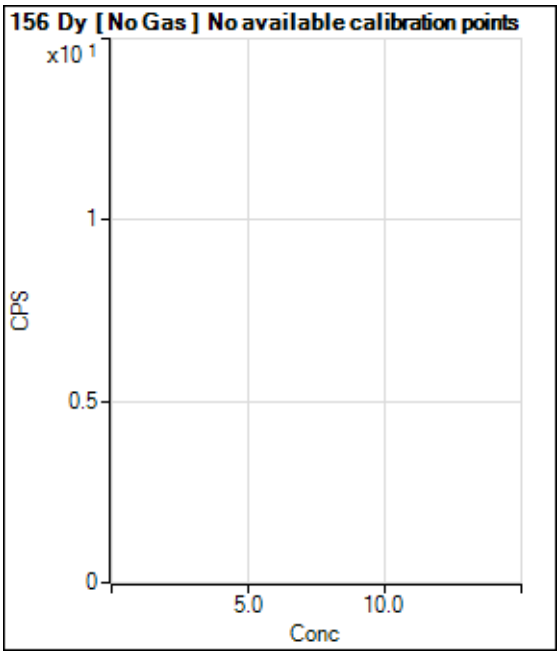


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			1.11		P	173.
2	☐			3.33		P	0.0
3	☐			15.55		P	44.6
4	☐			31.11		P	22.3
5	☐			53.34		P	10.8
6	☐			91.11		P	21.1
7	☐			198.89		P	18.7
8	☐			123.34		P	10.8

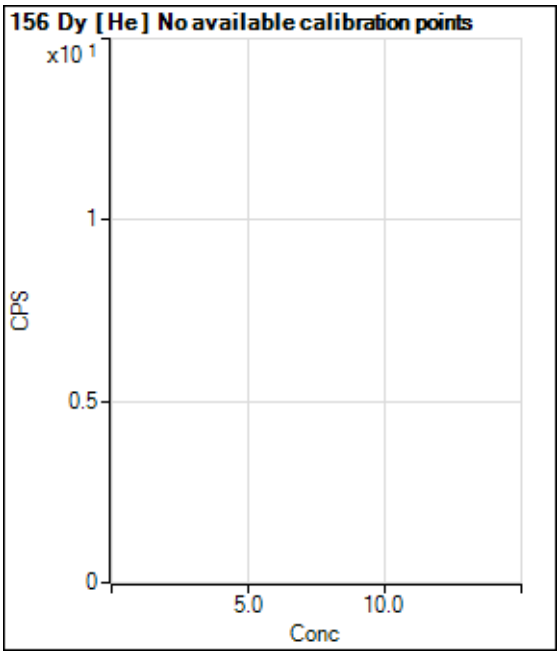


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1	☐			3.33		P	0.0
2	☐			3.33		P	0.0
3	☐			2.22		P	173.
4	☐			7.78		P	65.5
5	☐			14.44		P	70.5
6	☐			35.55		P	19.5
7	☐			52.22		P	36.3
8	☐			93.33		P	15.6

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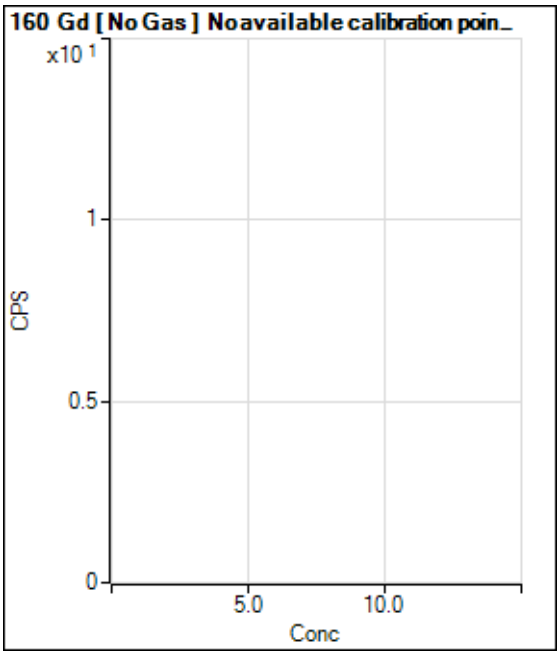


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			4.45		P	86.6
2	☐			11.11		P	86.6
3	☐			8.89		P	21.6
4	☐			20.00		P	28.9
5	☐			26.67		P	37.5
6	☐			42.22		P	16.4
7	☐			106.67		P	18.7
8	☐			255.56		P	13.2

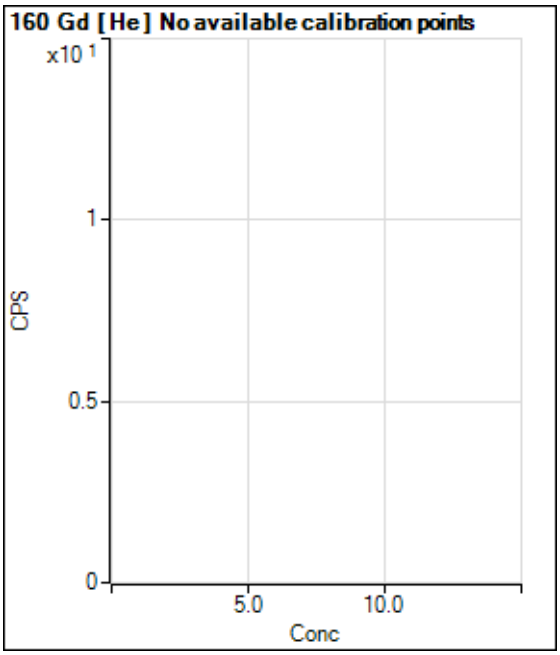


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1	☐			1.11		P	173.
2	☐			11.11		P	62.5
3	☐			25.55		P	41.9
4	☐			33.33		P	0.0
5	☐			92.22		P	21.8
6	☐			134.45		P	28.6
7	☐			304.45		P	9.3
8	☐			218.89		P	17.8

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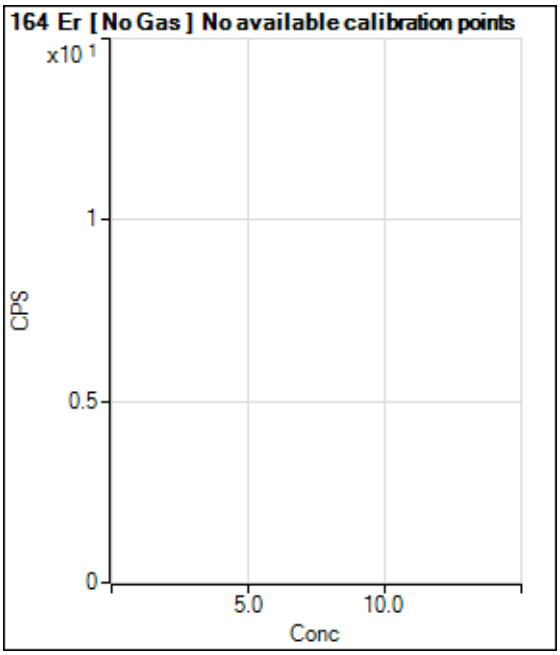


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			52.22		P	32.8
2	☐			55.55		P	40.8
3	☐			67.78		P	5.7
4	☐			65.56		P	11.7
5	☐			65.56		P	17.9
6	☐			58.89		P	14.2
7	☐			125.56		P	6.1
8	☐			296.68		P	8.5

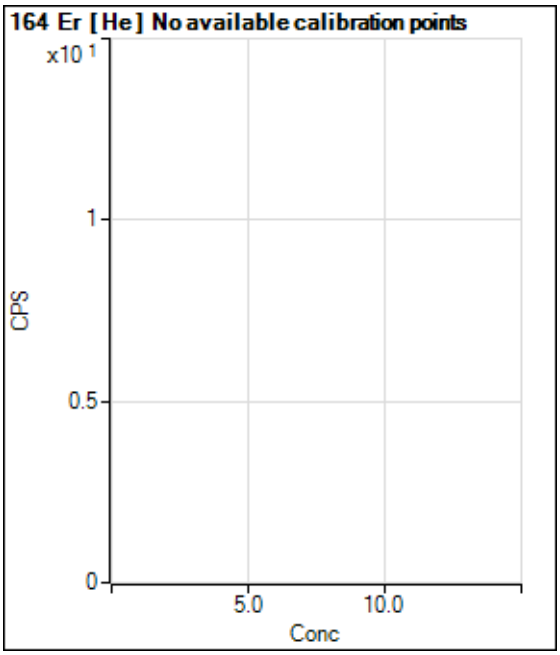


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1	☐			326.67		P	10.7
2	☐			296.67		P	11.1
3	☐			321.12		P	17.7
4	☐			360.01		P	5.8
5	☐			326.67		P	3.1
6	☐			298.90		P	12.3
7	☐			344.46		P	11.5
8	☐			518.90		P	8.6

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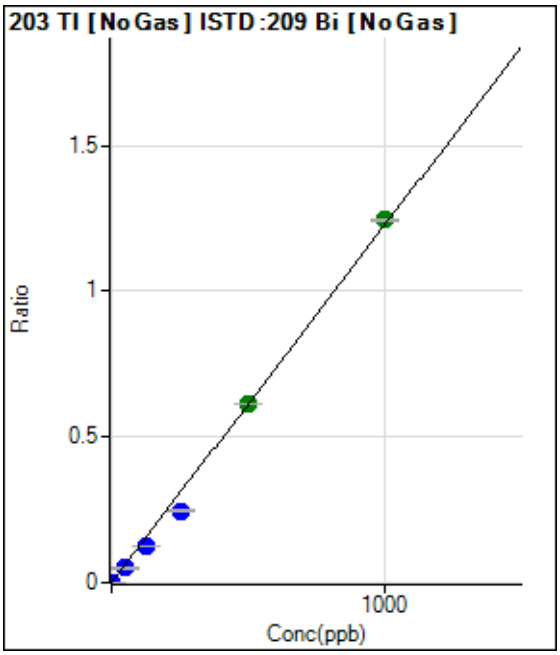


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			36.67		P	9.1
2	☐			37.78		P	35.7
3	☐			66.67		P	45.0
4	☐			54.45		P	24.7
5	☐			58.89		P	16.3
6	☐			128.89		P	19.4
7	☐			174.45		P	10.9
8	☐			563.35		P	7.1



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			36.67		P	47.2
2	☐			43.34		P	26.6
3	☐			30.00		P	29.4
4	☐			43.33		P	13.3
5	☐			58.89		P	41.0
6	☐			76.67		P	13.0
7	☐			112.23		P	4.5
8	☐			433.34		P	11.9

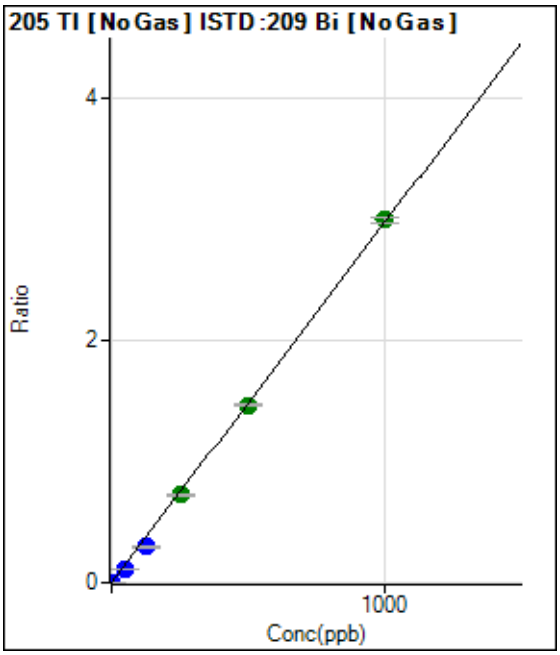
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LB :LB136712



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	220.00	0.0001	P	5.3
2	☐	1.000	0.817	4540.81	0.0011	P	5.7
3	☐	50.000	40.433	214933.42	0.0496	P	1.3
4	☐	125.000	101.559	545708.40	0.1244	P	1.0
5	☐	250.000	201.343	1096803.76	0.2467	P	0.6
6	☐	500.000	499.747	2745674.02	0.6122	A	0.5
7	☐	1000.000	1015.699	5536960.54	1.2441	A	0.7
8	☐			3875.04	0.0010	P	1.1

y = 0.0012 * x + 5.0951E-005
R = 0.9987
DL = 0.006614
BEC = 0.0416

Weight: <None>
Min Conc: 0

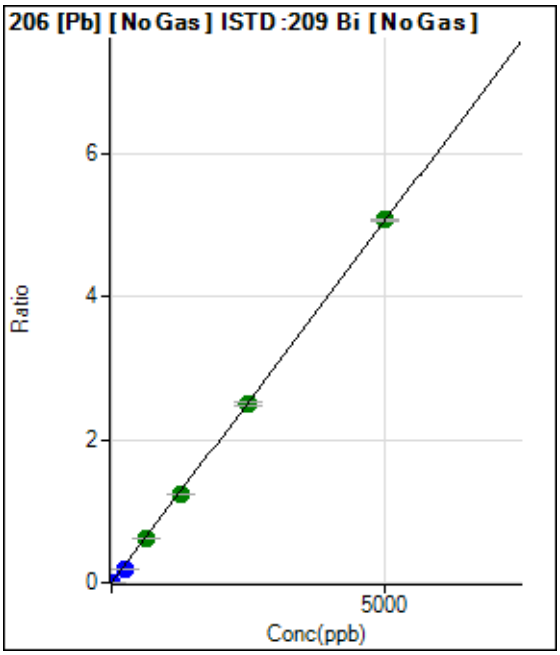


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	510.01	0.0001	P	6.6
2	☐	1.000	0.808	10874.45	0.0025	P	2.7
3	☐	50.000	39.579	510227.30	0.1177	P	0.5
4	☐	125.000	99.173	1292214.27	0.2947	P	1.6
5	☐	250.000	244.569	3230597.35	0.7265	A	2.0
6	☐	500.000	493.506	6574847.61	1.4659	A	0.8
7	☐	1000.000	1008.354	13330362.44	2.9951	A	1.7
8	☐			9317.71	0.0023	P	2.8

y = 0.0030 * x + 1.1809E-004
R = 0.9997
DL = 0.007921
BEC = 0.03976

Weight: <None>
Min Conc: 0

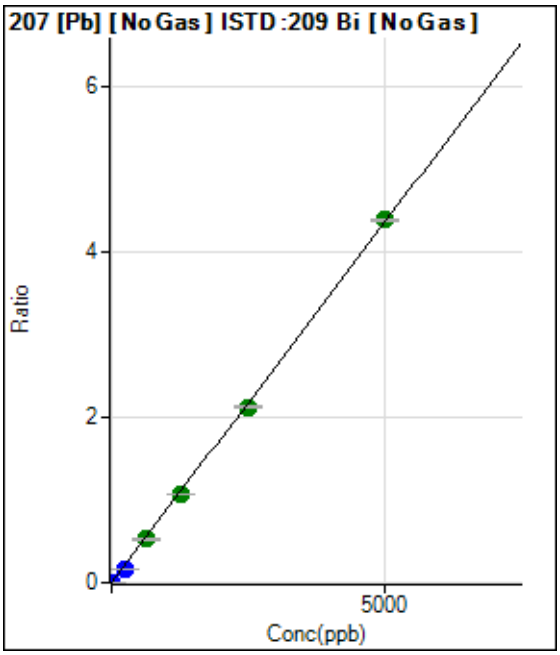
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	437.79	0.0001	P	4.7
2	☐	1.000	0.808	3967.29	0.0009	P	1.4
3	☐	250.000	198.222	870036.61	0.2007	P	0.8
4	☐	625.000	612.432	2717346.52	0.6198	A	2.4
5	☐	1250.000	1231.946	5543557.62	1.2466	A	0.5
6	☐	2500.000	2474.320	11228164.70	2.5036	A	2.2
7	☐	5000.000	5021.514	22613219.39	5.0808	A	0.7
8	☐			4635.29	0.0011	P	5.9

y = 0.0010 * x + 1.0127E-004
R = 0.9999
DL = 0.01403
BEC = 0.1001

Weight: <None>
Min Conc: 0

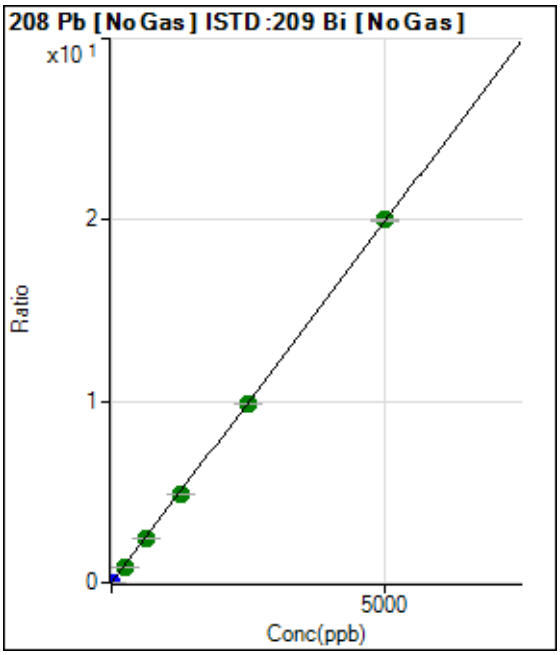


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	376.68	0.0001	P	16.1
2	☐	1.000	0.815	3442.70	0.0008	P	4.7
3	☐	250.000	197.140	745033.49	0.1718	P	0.8
4	☐	625.000	608.153	2323264.91	0.5299	A	2.8
5	☐	1250.000	1227.424	4755733.82	1.0694	A	0.9
6	☐	2500.000	2441.398	9540018.33	2.1270	A	0.5
7	☐	5000.000	5039.694	19540401.38	4.3905	A	0.5
8	☐			3912.82	0.0010	P	3.1

y = 8.7117E-004 * x + 8.7286E-005
R = 0.9999
DL = 0.0484
BEC = 0.1002

Weight: <None>
Min Conc: 0

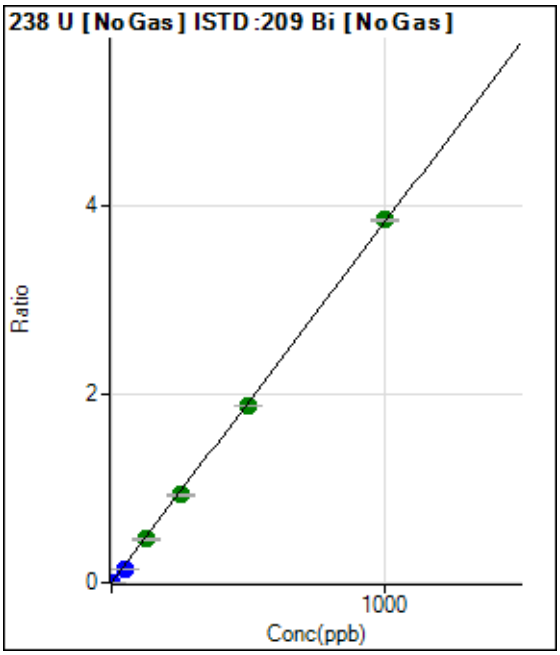
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1620.06	0.0004	P	3.6
2	☐	1.000	0.814	15617.00	0.0036	P	1.3
3	☐	250.000	221.807	3830720.72	0.8835	A	1.1
4	☐	625.000	610.495	10660281.63	2.4311	A	1.7
5	☐	1250.000	1220.856	21619263.08	4.8614	A	1.1
6	☐	2500.000	2469.961	44113388.24	9.8349	A	0.2
7	☐	5000.000	5025.528	89058273.95	20.0102	A	0.6
8	☐			17812.45	0.0044	P	2.3

y = 0.0040 * x + 3.7507E-004
R = 1.0000
DL = 0.01007
BEC = 0.0942

Weight: <None>
Min Conc: 0

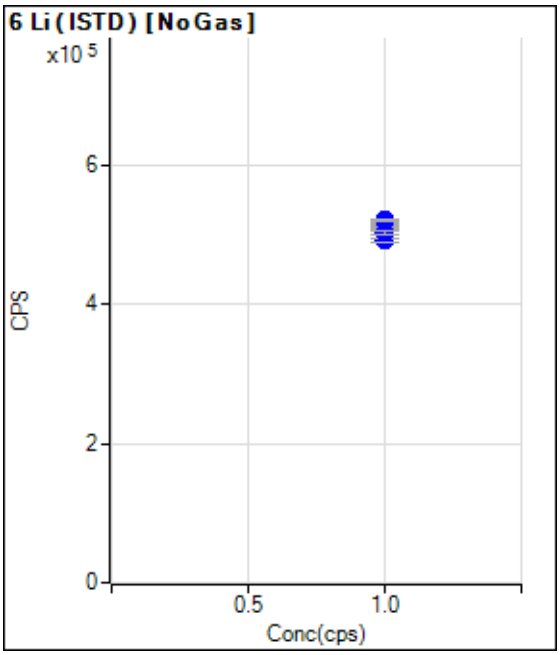


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	12.22	0.0000	P	40.5
2	☐	1.000	0.809	13346.81	0.0031	P	2.5
3	☐	50.000	38.798	641718.87	0.1480	P	1.3
4	☐	125.000	120.721	2019276.50	0.4605	A	2.3
5	☐	250.000	244.308	4144385.98	0.9320	A	1.3
6	☐	500.000	491.004	8401455.85	1.8731	A	0.8
7	☐	1000.000	1007.016	17096960.16	3.8416	A	0.3
8	☐			466.68	0.0001	P	7.2

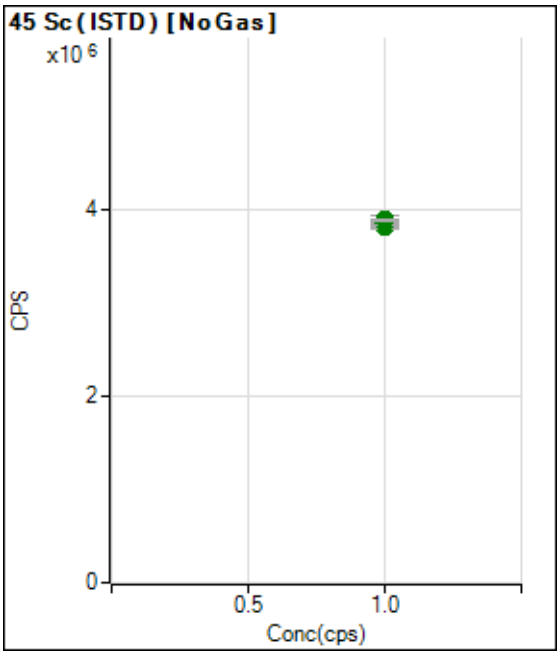
y = 0.0038 * x + 2.8146E-006
R = 0.9999
DL = 0.0008961
BEC = 0.0007378

Weight: <None>
Min Conc: 0

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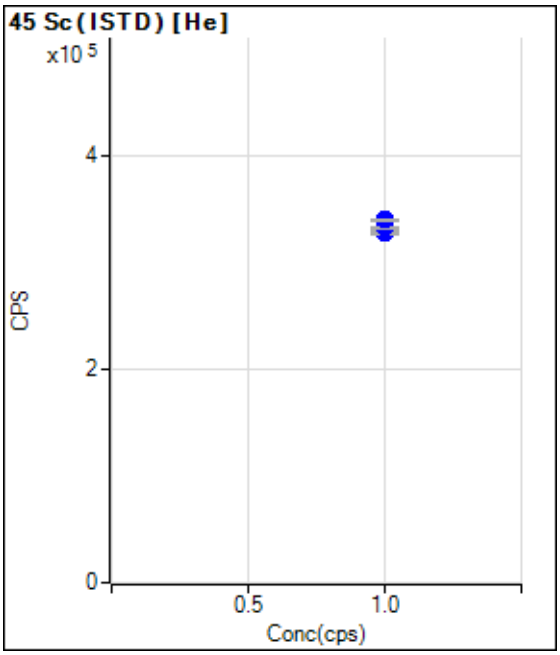


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1	☐	1.000		491667.60		P	1.1
2	☐	1.000		504232.33		P	1.0
3	☐	1.000		507486.37		P	0.9
4	☐	1.000		507632.07		P	0.1
5	☐	1.000		512370.53		P	0.4
6	☐	1.000		519407.02		P	0.5
7	☐	1.000		521663.15		P	0.3
8	☐	1.000		502208.61		P	1.1

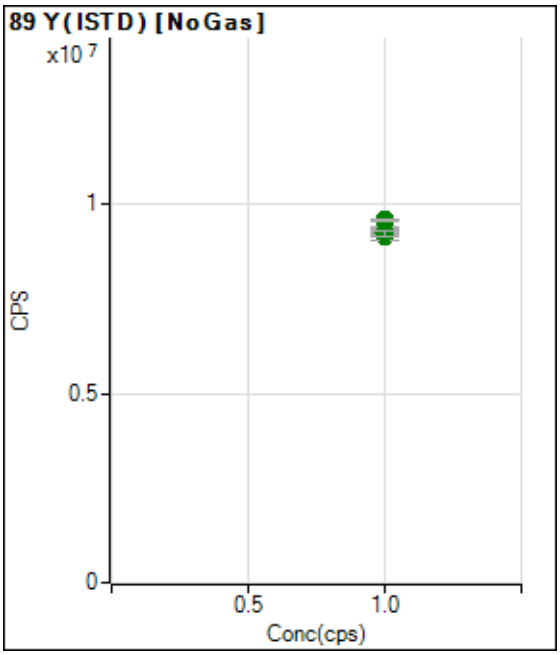


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		3855288.73		A	0.9
2	☐	1.000		3855316.75		A	1.0
3	☐	1.000		3882812.20		A	1.2
4	☐	1.000		3815456.23		A	0.7
5	☐	1.000		3851005.12		A	1.7
6	☐	1.000		3893588.97		A	2.3
7	☐	1.000		3855975.43		A	0.9
8	☐	1.000		3890795.53		A	0.8

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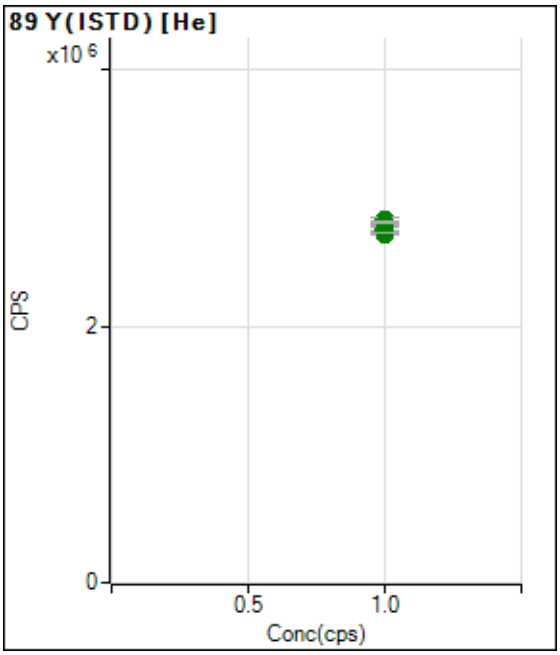


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1	☐	1.000		328932.34		P	0.7
2	☐	1.000		326649.08		P	0.9
3	☐	1.000		328245.03		P	0.3
4	☐	1.000		329588.20		P	0.5
5	☐	1.000		326754.20		P	0.4
6	☐	1.000		332059.21		P	0.1
7	☐	1.000		332104.18		P	0.2
8	☐	1.000		339544.65		P	0.6

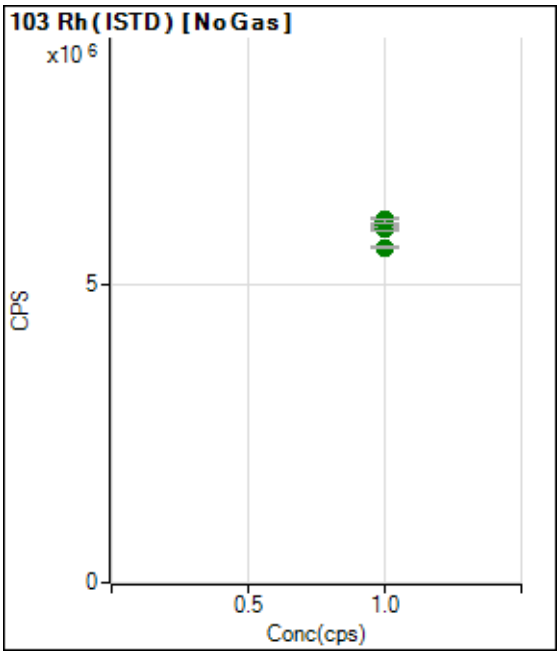


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		9158142.85		A	2.2
2	☐	1.000		9229083.68		A	1.0
3	☐	1.000		9392576.46		A	0.5
4	☐	1.000		9225035.35		A	0.4
5	☐	1.000		9383925.63		A	0.7
6	☐	1.000		9408074.17		A	0.1
7	☐	1.000		9584277.15		A	0.4
8	☐	1.000		9221302.15		A	1.8

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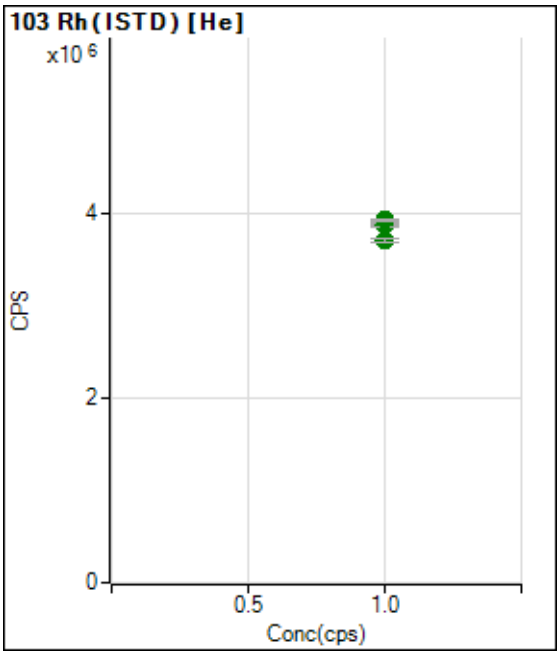


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		2760499.19		A	1.3
2	☐	1.000		2747702.06		A	1.9
3	☐	1.000		2717364.04		A	0.6
4	☐	1.000		2753212.13		A	2.1
5	☐	1.000		2729824.19		A	0.4
6	☐	1.000		2811453.74		A	2.5
7	☐	1.000		2828511.03		A	1.3
8	☐	1.000		2810502.77		A	0.3

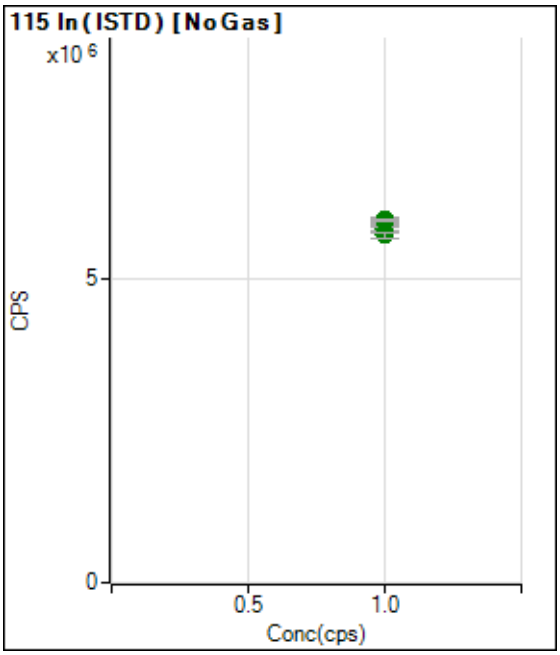


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		5974861.86		A	0.8
2	☐	1.000		5982260.05		A	1.4
3	☐	1.000		6021999.49		A	0.3
4	☐	1.000		5930426.37		A	0.6
5	☐	1.000		5927238.94		A	1.3
6	☐	1.000		6081284.14		A	1.4
7	☐	1.000		6059335.19		A	1.2
8	☐	1.000		5612136.58		A	0.5

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LB :LB136712

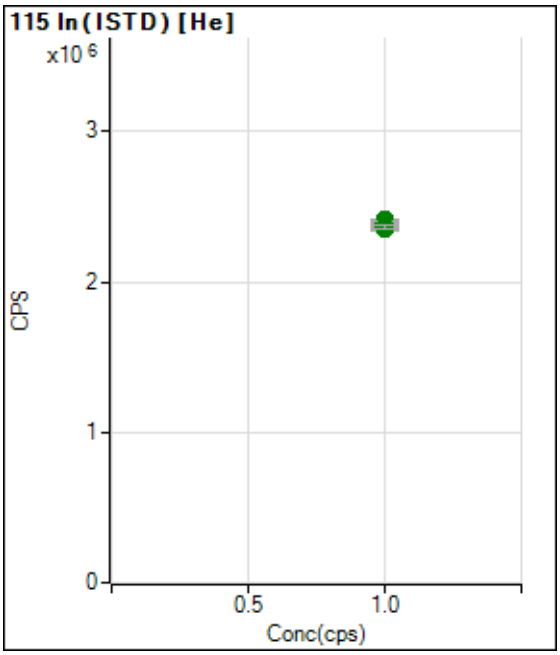


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		3901873.41		A	0.6
2	☐	1.000		3864847.61		A	1.2
3	☐	1.000		3908657.51		A	0.4
4	☐	1.000		3887855.01		A	0.9
5	☐	1.000		3878070.74		A	1.4
6	☐	1.000		3873046.96		A	1.1
7	☐	1.000		3924728.73		A	0.5
8	☐	1.000		3693017.72		A	1.1

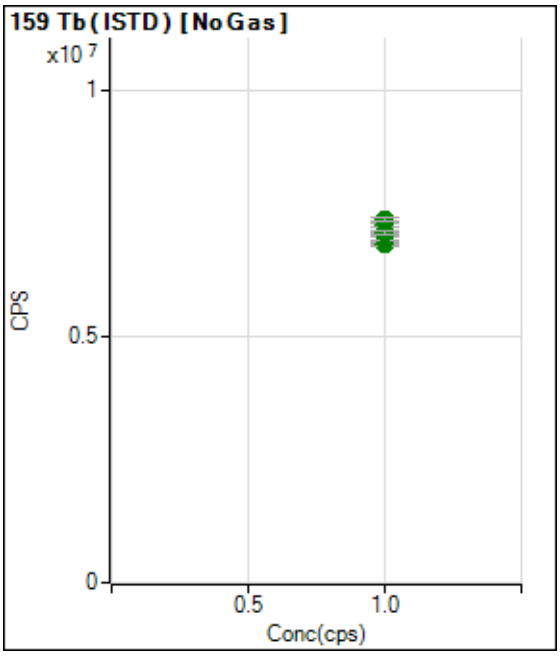


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		5882719.37		A	0.5
2	☐	1.000		5899304.07		A	1.3
3	☐	1.000		5946817.33		A	1.0
4	☐	1.000		5809780.52		A	2.3
5	☐	1.000		5812421.92		A	1.3
6	☐	1.000		5944552.55		A	1.5
7	☐	1.000		5960477.22		A	0.5
8	☐	1.000		5710048.04		A	1.5

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

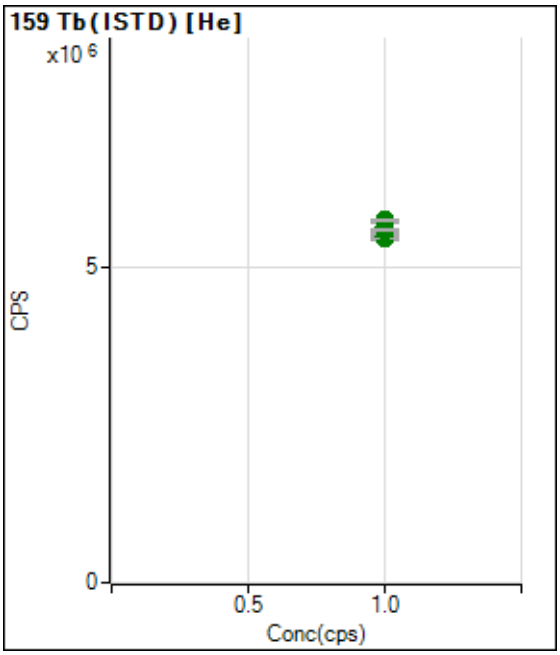


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		2389211.35		A	2.7
2	☐	1.000		2394612.42		A	0.9
3	☐	1.000		2412852.50		A	0.1
4	☐	1.000		2390990.50		A	0.4
5	☐	1.000		2352860.72		A	0.9
6	☐	1.000		2391659.35		A	0.6
7	☐	1.000		2362355.22		A	1.8
8	☐	1.000		2365316.28		A	1.0

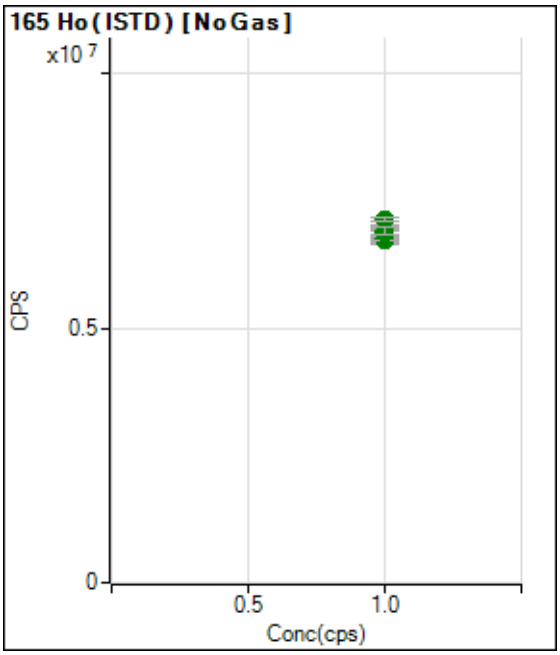


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		6914830.31		A	1.0
2	☐	1.000		6889813.09		A	1.2
3	☐	1.000		7039503.50		A	0.6
4	☐	1.000		6942426.35		A	0.2
5	☐	1.000		7124187.74		A	0.5
6	☐	1.000		7269290.17		A	1.0
7	☐	1.000		7372669.96		A	1.1
8	☐	1.000		7108264.82		A	1.0

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
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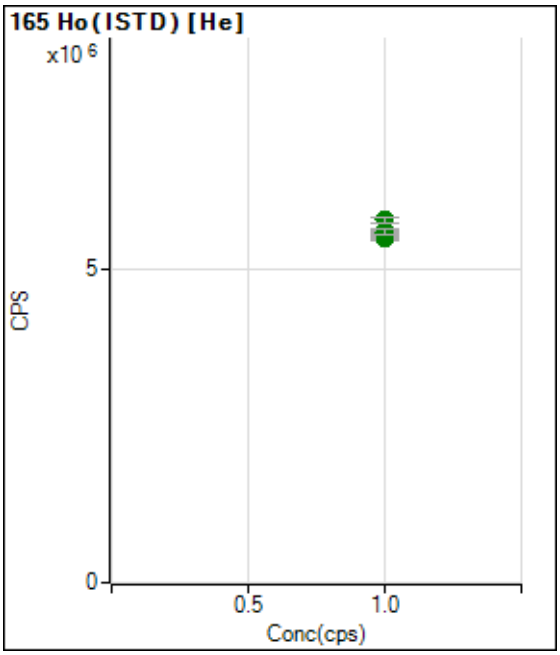


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		5475830.13		A	0.9
2	☐	1.000		5472600.26		A	2.1
3	☐	1.000		5537474.85		A	0.5
4	☐	1.000		5559362.69		A	1.6
5	☐	1.000		5498869.33		A	1.7
6	☐	1.000		5653122.28		A	1.7
7	☐	1.000		5753429.15		A	0.8
8	☐	1.000		5595245.47		A	0.7

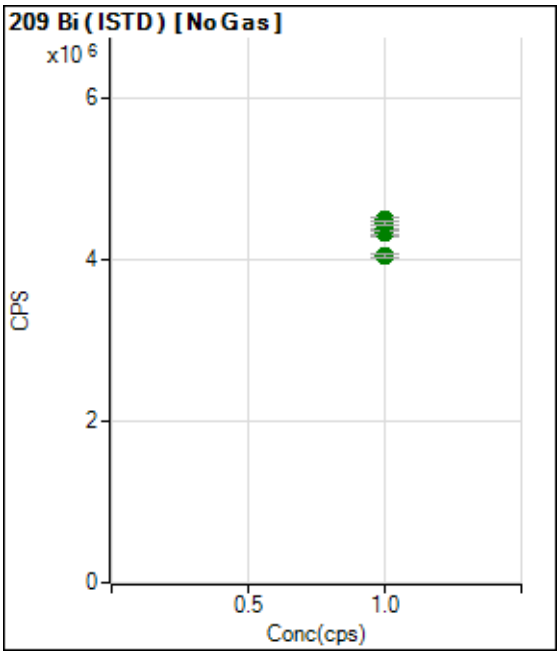


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		6714274.48		A	1.5
2	☐	1.000		6742125.45		A	1.1
3	☐	1.000		6774971.01		A	0.9
4	☐	1.000		6887233.09		A	1.1
5	☐	1.000		6943329.13		A	0.5
6	☐	1.000		7005137.67		A	1.3
7	☐	1.000		7132027.32		A	1.0
8	☐	1.000		6917581.35		A	1.9

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

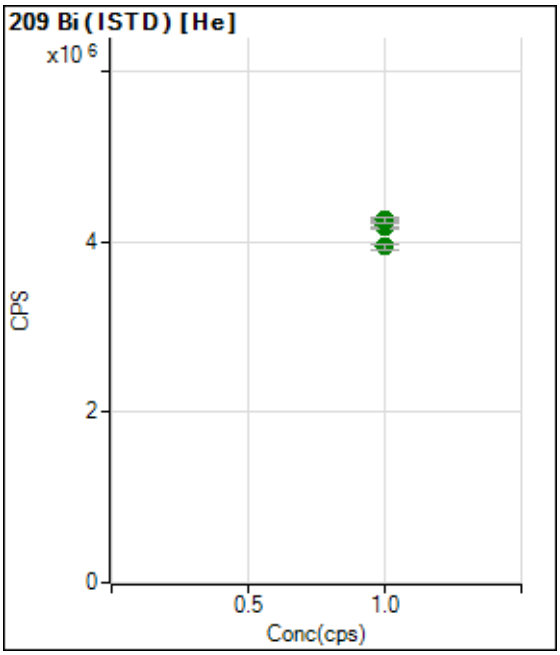


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		5571650.96		A	2.2
2	☐	1.000		5554151.17		A	1.1
3	☐	1.000		5511602.45		A	1.1
4	☐	1.000		5547142.35		A	2.0
5	☐	1.000		5560861.30		A	1.0
6	☐	1.000		5637780.47		A	0.8
7	☐	1.000		5799650.82		A	1.7
8	☐	1.000		5606701.48		A	1.5



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		4321410.60		A	2.3
2	☐	1.000		4320175.73		A	1.3
3	☐	1.000		4336249.59		A	1.8
4	☐	1.000		4385719.62		A	1.7
5	☐	1.000		4446830.63		A	1.3
6	☐	1.000		4485381.39		A	1.0
7	☐	1.000		4450444.90		A	1.2
8	☐	1.000		4046185.74		A	1.1

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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		4214395.29		A	1.5
2	☐	1.000		4241547.99		A	0.7
3	☐	1.000		4248832.16		A	0.5
4	☐	1.000		4199181.67		A	0.6
5	☐	1.000		4168324.42		A	0.9
6	☐	1.000		4251516.95		A	0.2
7	☐	1.000		4259938.86		A	1.5
8	☐	1.000		3941660.88		A	1.9

US EPA Tune Check Report

Reviewed By:Janv
On:8/12/2025 3:59 PM
Inst Id :P7
LB :LB136712

Operator Name	Jaswal
Acq/Data Batch	D:\Agilent\ICPMH\1\DATA\P7080525 MS.b
Acq. Date-Time	2025-08-05 10:47:31
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		5492	54915.61			0.561	5.000
24		154604	1546041.99			0.888	5.000
25		16895	168954.47			0.572	5.000
26		19711	197113.20			0.459	5.000
59		88606	886062.59			1.085	5.000
113		8991	89914.52			1.069	5.000
115		121519	1215189.57			0.755	5.000
206		20680	206795.99			1.898	5.000
207		18274	182740.16			1.949	5.000
208		43029	430291.04			2.133	5.000
220		0	4.00			33.072	

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	5516	5522	5491	5445	5484
24	154347	155161	152468	154846	156200
25	16830	16939	16790	16882	17037
26	19584	19695	19694	19831	19753
59	89914	88411	87649	89243	87815
113	9095	9018	9015	8995	8834
115	121308	122077	121643	122485	120082
206	21013	21079	20759	20341	20206
207	18619	18544	18262	18231	17714
208	43844	43890	43022	42729	41660

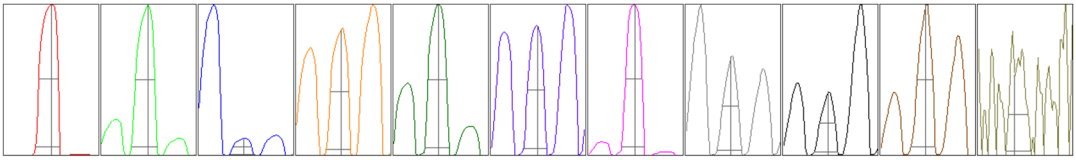
US EPA Tune Check Report

Reviewed By:Janv
On:8/12/2025 3:59 PM
Inst Id :P7
LB :LB136712

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

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	9231.98	9.05	8.90 - 9.10	
24	267453.26	24.00	23.90 - 24.10	
25	29398.75	24.95	24.90 - 25.10	
26	34843.94	25.95	25.90 - 26.10	
59	156178.45	58.95	58.90 - 59.10	
113	17653.62	113.00	112.90 - 113.10	
115	232351.67	115.00	114.90 - 115.10	
206	42514.38	205.95	205.90 - 206.10	
207	37573.85	206.95	206.90 - 207.10	
208	89513.15	207.95	207.90 - 208.10	
220	0.45	219.70	-	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.62	0.768	0.900	
24	0.62	0.816	0.900	
25	0.60	0.759	0.900	
26	0.60	0.766	0.900	
59	0.60	0.778	0.900	
113	0.52	0.733	0.900	
115	0.52	0.732	0.900	
206	0.50	0.775	0.900	
207	0.50	0.737	0.900	
208	0.49	0.771	0.900	
220	0.64	0.785		

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

Tune Parameters

Plasma Parameters

Plasma Mode --- Nebulizer Gas 0.87 L/min Dilution Gas 0.40 L/min

US EPA Tune Check Report

Reviewed By:Janv
On:8/12/2025 3:59
PM
Inst Id :P7
LB :LB136712

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

Lens Parameters

Extract 1	0.0 V	Omega Lens	7.4 V	Deflect	16.0 V
Extract 2	-155.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-75 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	190 V		

QP Parameters

Mass Gain	138	Axis Gain	0.9973	QP Bias	-3.0 V
Mass Offset	130	Axis Offset	0.13		

Hardware Settings

Torch

Torch H	-2.0 mm	Torch V	0.2 mm

EM

Discriminator	4.7 mV	Analog HV	2319 V	Pulse HV	1152 V

[He]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
59		26843	268427.05			0.826	
89		83933	839332.11			1.665	
205		25864	258639.23			1.243	

Mass	RSD% (Flag)
59	
89	
205	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
59	27155	26977	26790	26650	26640
89	85985	84280	83467	83801	82133
205	26412	25891	25699	25644	25673

Integration Time [sec] 0.1

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.87 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	10.1 V	Deflect	3.6 V

US EPA Tune Check Report

Reviewed By:Janv
On:8/12/2025 3:59
PM
Inst Id :P7
LB :LB136712

Extract 2	-200.0 V	Cell Entrance	-40 V	Plate Bias	-60 V
Omega Bias	-85 V	Cell Exit	-60 V		

Cell Parameters

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

QP Parameters

Mass Gain	138	Axis Gain	0.9973	QP Bias	-13.0 V
Mass Offset	130	Axis Offset	0.13		

Hardware Settings

Torch

Torch H	-2.0 mm	Torch V	0.2 mm

EM

Discriminator	4.7 mV	Analog HV	2319 V	Pulse HV	1152 V

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 11:28:07	DataFile Name :	004CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.17	0.11	0.07	0.00	N/A	ppb
Antimony	121-1	0.00	0.00	0.00	0.00	N/A	ppb
Arsenic	75-2	-0.01	0.01	-0.01	0.00	N/A	ppb
Barium	135-1	0.01	-0.02	0.01	0.00	N/A	ppb
Barium	137-1	0.00	0.00	0.00	0.00	N/A	ppb
Beryllium	9-1	0.00	0.01	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	0.00	0.00	0.00	0.00	N/A	ppb
Cadmium	106-1	-0.17	-0.79	0.95	0.00	N/A	ppb
Cadmium	111-1	-0.01	-0.05	0.07	0.00	N/A	ppb
Calcium	43-1	1.33	0.18	-1.51	0.00	N/A	ppb
Calcium	44-1	-2.28	2.73	-0.46	0.00	N/A	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.01	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	-0.04	0.00	0.04	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	0.00	-0.14	0.00	N/A	ppb
Iron	57-2	0.16	0.85	-1.01	0.00	N/A	ppb
Iron	54-2	-0.01	0.47	-0.46	0.00	N/A	ppb
Krypton	83-1						cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 11:28:07	DataFile Name :	004CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.00	0.01	0.00	0.00	N/A	ppb
Lead	207-1	0.01	-0.02	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	0.11	-0.09	-0.02	0.00	N/A	ppb
Manganese	55-2	-0.07	-0.01	0.08	0.00	N/A	ppb
Molybdenum	94-1	0.00	0.01	-0.01	0.00	N/A	ppb
Molybdenum	95-1	0.00	0.00	0.01	0.00	N/A	ppb
Molybdenum	96-1	0.00	0.00	-0.01	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	-0.01	0.00	N/A	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.01	0.00	0.00	0.00	N/A	ppb
Phosphorus	31-2	-18.98	-12.19	-7.62	-12.93		ppb
Potassium	39-2	-0.20	-0.73	0.93	0.00	N/A	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	82-1	0.10	-0.15	0.06	0.00	N/A	ppb
Selenium	77-2	0.18	-0.09	-0.09	0.00	N/A	ppb
Selenium	78-2	-0.04	1.30	-1.26	0.00	N/A	ppb
Silicon	28-1	-4.09	3.39	0.70	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	-0.40	0.17	0.22	0.00	N/A	ppb
Strontium	86-1	-0.01	0.03	-0.02	0.00	N/A	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	N/A	ppb
Sulfur	34-1	-115.25	139.66	-140.83	-38.81		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	0.03	-0.01	-0.02	0.00	N/A	ppb
Titanium	47-1	0.02	-0.01	-0.01	0.00	N/A	ppb

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 11:28:07	DataFile Name :	004CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	N/A	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	N/A	ppb
Yttrium	89-1				100		%
Yttrium	89-2				100		%
Zinc	66-2	0.06	0.04	-0.10	0.00	N/A	ppb
Zirconium	90-1	0.00	0.00	0.00	0.00	N/A	ppb
Zirconium	91-1	0.00	0.00	0.00	0.00	N/A	ppb

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 11:34:45	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	16.11	15.97	14.44	15.51	5.96	ppb
Antimony	121-1	1.80	1.88	1.79	1.82	2.76	ppb
Arsenic	75-2	0.96	1.17	1.19	1.10	11.59	ppb
Barium	135-1	8.66	8.84	8.71	8.74	1.03	ppb
Barium	137-1	8.77	8.85	8.66	8.76	1.10	ppb
Beryllium	9-1	1.07	1.06	1.19	1.11	6.41	ppb
Bismuth	209-1				100		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.66	1.14	0.88	0.89	27.04	ppb
Cadmium	106-1	1.70	2.00	1.48	1.73	15.13	ppb
Cadmium	111-1	1.20	1.13	1.14	1.16	3.19	ppb
Calcium	43-1	442.62	456.81	457.63	452.35	1.87	ppb
Calcium	44-1	437.64	454.16	437.56	443.12	2.16	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.88	1.81	1.85	1.85	1.85	ppb
Cobalt	59-2	0.95	0.92	0.93	0.93	1.82	ppb
Copper	63-2	1.61	1.57	1.60	1.59	1.27	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				100		%
Indium	115-1				100		%
Indium	115-2				100		%
Iron	56-2	46.68	46.35	46.35	46.46	0.42	ppb
Iron	57-2	50.82	51.45	50.69	50.99	0.80	ppb
Iron	54-2	45.99	47.13	47.18	46.77	1.44	ppb
Krypton	83-1						cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 11:34:45	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.80	0.82	0.80	0.81	1.52	ppb
Lead	207-1	0.76	0.84	0.84	0.81	5.31	ppb
Lead	208-1	0.80	0.82	0.82	0.81	1.46	ppb
Lithium	6-1				103		%
Magnesium	24-2	419.36	421.98	424.24	421.86	0.58	ppb
Manganese	55-2	0.66	0.73	0.76	0.72	6.97	ppb
Molybdenum	94-1	5.16	5.14	5.08	5.13	0.76	ppb
Molybdenum	95-1	4.19	4.37	4.35	4.30	2.38	ppb
Molybdenum	96-1	4.33	4.47	4.45	4.42	1.78	ppb
Molybdenum	97-1	4.29	4.40	4.47	4.39	2.16	ppb
Molybdenum	98-1	4.21	4.44	4.35	4.33	2.72	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.94	1.08	1.05	1.03	7.11	ppb
Phosphorus	31-2	18.16	16.19	4.45	12.93	57.33	ppb
Potassium	39-2	441.38	440.23	453.86	445.16	1.70	ppb
Rhodium	103-1				100		%
Rhodium	103-2				99		%
Scandium	45-1				100		%
Scandium	45-2				99		%
Selenium	82-1	5.80	5.83	5.13	5.58	7.08	ppb
Selenium	77-2	6.75	4.92	3.72	5.13	29.77	ppb
Selenium	78-2	4.53	3.61	4.17	4.10	11.22	ppb
Silicon	28-1	-0.12	-0.08	-0.64	-0.28		ppb
Silver	107-1	0.87	0.94	0.92	0.91	3.68	ppb
Silver	109-1	0.86	0.91	0.92	0.89	3.48	ppb
Sodium	23-2	424.10	418.65	426.77	423.17	0.98	ppb
Strontium	86-1	0.91	0.86	0.79	0.85	6.79	ppb
Strontium	88-1	0.86	0.85	0.85	0.85	0.77	ppb
Sulfur	34-1	-90.05	155.03	51.44	38.81	317.03	ppb
Terbium	159-1				100		%
Terbium	159-2				100		%
Thallium	203-1	0.76	0.86	0.83	0.82	5.95	ppb
Thallium	205-1	0.78	0.82	0.82	0.81	2.84	ppb
Tin	118-1	4.40	4.54	4.38	4.44	1.98	ppb
Titanium	47-1	4.21	4.46	4.49	4.39	3.61	ppb

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 11:34:45	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.80	0.83	0.80	0.81	2.52	ppb
Vanadium	51-2	4.49	4.46	4.50	4.48	0.54	ppb
Yttrium	89-1				101		%
Yttrium	89-2				100		%
Zinc	66-2	4.07	4.36	4.44	4.29	4.48	ppb
Zirconium	90-1	0.86	0.86	0.88	0.87	1.20	ppb
Zirconium	91-1	0.88	0.96	0.92	0.92	4.09	ppb

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 11:38:04	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	833.97	852.21	840.32	842.17	1.10	ppb
Antimony	121-1	43.10	44.28	43.33	43.57	1.43	ppb
Arsenic	75-2	51.22	50.84	50.98	51.01	0.38	ppb
Barium	135-1	209.72	213.12	210.52	211.12	0.84	ppb
Barium	137-1	205.50	213.67	207.94	209.03	2.01	ppb
Beryllium	9-1	50.45	50.30	49.95	50.24	0.51	ppb
Bismuth	209-1				100		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	50.07	53.86	51.01	51.65	3.82	ppb
Cadmium	106-1	53.35	50.98	52.03	52.12	2.28	ppb
Cadmium	111-1	50.91	52.28	52.17	51.79	1.47	ppb
Calcium	43-1	4318.99	4381.91	4427.74	4376.21	1.25	ppb
Calcium	44-1	4942.14	4881.45	4874.98	4899.52	0.76	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	43.56	43.57	43.55	43.56	0.03	ppb
Cobalt	59-2	43.35	42.81	43.37	43.18	0.74	ppb
Copper	63-2	504.66	503.62	510.63	506.30	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				101		%
Holmium	165-2				99		%
Indium	115-1				101		%
Indium	115-2				101		%
Iron	56-2	2568.83	2572.82	2533.84	2558.50	0.84	ppb
Iron	57-2	2344.96	2295.33	2304.99	2315.09	1.14	ppb
Iron	54-2	2324.25	2305.94	2315.90	2315.36	0.40	ppb
Krypton	83-1						cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 11:38:04	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	199.98	196.75	197.94	198.22	0.83	ppb
Lead	207-1	198.89	195.72	196.82	197.14	0.82	ppb
Lead	208-1	224.56	219.72	221.15	221.81	1.12	ppb
Lithium	6-1				103		%
Magnesium	24-2	4913.13	5021.41	4837.98	4924.18	1.87	ppb
Manganese	55-2	423.77	423.76	421.83	423.12	0.26	ppb
Molybdenum	94-1	413.40	414.30	417.92	415.21	0.58	ppb
Molybdenum	95-1	478.25	483.94	479.16	480.45	0.64	ppb
Molybdenum	96-1	479.09	491.49	489.12	486.57	1.35	ppb
Molybdenum	97-1	415.89	421.08	424.54	420.50	1.04	ppb
Molybdenum	98-1	480.87	487.50	491.17	486.51	1.07	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	49.96	49.96	50.47	50.13	0.59	ppb
Phosphorus	31-2	961.47	959.90	956.06	959.14	0.29	ppb
Potassium	39-2	2170.15	2186.33	2162.22	2172.90	0.57	ppb
Rhodium	103-1				101		%
Rhodium	103-2				100		%
Scandium	45-1				101		%
Scandium	45-2				100		%
Selenium	82-1	51.83	51.47	52.86	52.05	1.39	ppb
Selenium	77-2	55.05	58.42	46.05	53.17	12.03	ppb
Selenium	78-2	52.30	52.35	51.86	52.17	0.51	ppb
Silicon	28-1	105.59	111.32	116.61	111.17	4.96	ppb
Silver	107-1	42.84	44.78	44.21	43.95	2.27	ppb
Silver	109-1	42.55	44.21	43.89	43.55	2.02	ppb
Sodium	23-2	5014.43	4992.51	5028.15	5011.70	0.36	ppb
Strontium	86-1	42.91	43.93	43.58	43.47	1.20	ppb
Strontium	88-1	41.50	42.92	42.72	42.38	1.81	ppb
Sulfur	34-1	880.39	663.54	907.81	817.25	16.37	ppb
Terbium	159-1				102		%
Terbium	159-2				101		%
Thallium	203-1	40.95	40.44	39.91	40.43	1.28	ppb
Thallium	205-1	39.81	39.50	39.43	39.58	0.51	ppb
Tin	118-1	43.05	44.06	43.32	43.48	1.21	ppb
Titanium	47-1	411.87	414.23	422.79	416.29	1.38	ppb

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 11:38:04	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	39.32	38.78	38.30	38.80	1.31	ppb
Vanadium	51-2	43.52	43.52	42.51	43.18	1.35	ppb
Yttrium	89-1				103		%
Yttrium	89-2				98		%
Zinc	66-2	444.92	442.39	441.92	443.08	0.36	ppb
Zirconium	90-1	41.42	42.24	42.16	41.94	1.07	ppb
Zirconium	91-1	43.19	43.46	43.83	43.49	0.74	ppb

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P7
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 11:41:13	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2101.24	2118.41	2098.87	2106.17	0.51	ppb
Antimony	121-1	109.80	111.54	111.75	111.03	0.96	ppb
Arsenic	75-2	126.77	126.78	130.59	128.05	1.72	ppb
Barium	135-1	531.68	543.64	539.49	538.27	1.13	ppb
Barium	137-1	527.96	535.29	534.74	532.66	0.77	ppb
Beryllium	9-1	126.82	129.74	128.85	128.47	1.16	ppb
Bismuth	209-1				101		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	131.07	132.27	134.21	132.52	1.20	ppb
Cadmium	106-1	126.99	128.62	127.88	127.83	0.64	ppb
Cadmium	111-1	130.31	131.59	131.96	131.28	0.66	ppb
Calcium	43-1	10868.70	11215.65	11232.31	11105.56	1.85	ppb
Calcium	44-1	12172.29	12441.04	12520.85	12378.06	1.48	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	110.44	109.67	109.25	109.79	0.55	ppb
Cobalt	59-2	107.75	109.06	108.99	108.60	0.68	ppb
Copper	63-2	1273.22	1278.70	1261.69	1271.20	0.68	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				100		%
Indium	115-1				99		%
Indium	115-2				100		%
Iron	56-2	6597.33	6488.51	6588.95	6558.26	0.92	ppb
Iron	57-2	5815.33	5774.86	5817.56	5802.58	0.41	ppb
Iron	54-2	5775.24	5860.31	5877.08	5837.54	0.94	ppb
Krypton	83-1						cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P7
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 11:41:13	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	616.70	624.62	595.97	612.43	2.42	ppb
Lead	207-1	614.66	620.74	589.06	608.15	2.76	ppb
Lead	208-1	612.54	619.69	599.26	610.49	1.70	ppb
Lithium	6-1				103		%
Magnesium	24-2	12246.93	12413.12	12290.43	12316.83	0.70	ppb
Manganese	55-2	1257.09	1261.87	1253.83	1257.60	0.32	ppb
Molybdenum	94-1	1227.52	1245.54	1237.08	1236.71	0.73	ppb
Molybdenum	95-1	1224.01	1217.67	1219.75	1220.48	0.26	ppb
Molybdenum	96-1	1210.51	1238.37	1236.39	1228.42	1.27	ppb
Molybdenum	97-1	1235.86	1201.97	1244.33	1227.38	1.83	ppb
Molybdenum	98-1	1222.09	1228.07	1247.14	1232.44	1.06	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	126.95	129.82	127.95	128.24	1.14	ppb
Phosphorus	31-2	2568.88	2486.29	2578.96	2544.71	2.00	ppb
Potassium	39-2	6019.42	6150.73	6020.10	6063.42	1.25	ppb
Rhodium	103-1				99		%
Rhodium	103-2				100		%
Scandium	45-1				99		%
Scandium	45-2				100		%
Selenium	82-1	127.63	130.20	130.37	129.40	1.19	ppb
Selenium	77-2	134.88	132.33	128.92	132.04	2.26	ppb
Selenium	78-2	126.60	126.57	129.65	127.61	1.39	ppb
Silicon	28-1	186.41	191.30	189.27	188.99	1.30	ppb
Silver	107-1	110.34	112.45	110.82	111.20	1.00	ppb
Silver	109-1	110.01	110.96	110.27	110.41	0.45	ppb
Sodium	23-2	12124.75	12319.04	12402.33	12282.04	1.16	ppb
Strontium	86-1	110.34	112.07	110.51	110.98	0.86	ppb
Strontium	88-1	126.08	123.72	128.31	126.04	1.82	ppb
Sulfur	34-1	2478.50	2460.35	2640.81	2526.55	3.93	ppb
Terbium	159-1				100		%
Terbium	159-2				102		%
Thallium	203-1	101.59	102.56	100.52	101.56	1.00	ppb
Thallium	205-1	98.02	100.98	98.52	99.17	1.60	ppb
Tin	118-1	109.46	110.68	110.07	110.07	0.56	ppb
Titanium	47-1	1035.87	1056.90	1064.89	1052.56	1.42	ppb

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P7
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 11:41:13	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	121.94	122.66	117.57	120.72	2.28	ppb
Vanadium	51-2	109.43	109.31	109.14	109.29	0.13	ppb
Yttrium	89-1				101		%
Yttrium	89-2				100		%
Zinc	66-2	1112.47	1106.32	1103.99	1107.60	0.40	ppb
Zirconium	90-1	105.76	106.99	107.83	106.86	0.97	ppb
Zirconium	91-1	110.96	112.29	112.89	112.05	0.88	ppb

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 11:44:11	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4187.19	4207.42	4175.71	4190.11	0.38	ppb
Antimony	121-1	214.04	216.04	216.11	215.39	0.55	ppb
Arsenic	75-2	256.86	257.93	252.49	255.76	1.13	ppb
Barium	135-1	1235.32	1264.03	1261.72	1253.69	1.27	ppb
Barium	137-1	1236.80	1240.31	1285.02	1254.04	2.14	ppb
Beryllium	9-1	253.25	252.77	255.76	253.93	0.63	ppb
Bismuth	209-1				103		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	253.30	254.43	259.36	255.69	1.26	ppb
Cadmium	106-1	257.18	254.16	255.30	255.55	0.60	ppb
Cadmium	111-1	257.65	254.30	255.72	255.89	0.66	ppb
Calcium	43-1	21365.27	21933.81	22396.48	21898.52	2.36	ppb
Calcium	44-1	23525.47	24782.04	24788.79	24365.43	2.99	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	217.86	216.80	216.47	217.04	0.34	ppb
Cobalt	59-2	215.62	215.12	216.45	215.73	0.31	ppb
Copper	63-2	2549.42	2506.22	2519.58	2525.07	0.88	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				100		%
Indium	115-1				99		%
Indium	115-2				98		%
Iron	56-2	12754.97	12943.76	13098.43	12932.38	1.33	ppb
Iron	57-2	11573.99	11600.67	11679.56	11618.08	0.47	ppb
Iron	54-2	13415.63	13091.07	13049.08	13185.26	1.52	ppb
Krypton	83-1						cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 11:44:11	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1227.11	1229.74	1238.99	1231.95	0.51	ppb
Lead	207-1	1224.00	1218.21	1240.06	1227.42	0.92	ppb
Lead	208-1	1222.47	1206.69	1233.40	1220.86	1.10	ppb
Lithium	6-1				104		%
Magnesium	24-2	24767.61	24484.59	24300.67	24517.62	0.96	ppb
Manganese	55-2	2459.08	2452.95	2429.55	2447.19	0.64	ppb
Molybdenum	94-1	2457.36	2444.38	2467.30	2456.34	0.47	ppb
Molybdenum	95-1	2460.78	2444.66	2450.05	2451.83	0.33	ppb
Molybdenum	96-1	2470.32	2420.22	2401.72	2430.75	1.46	ppb
Molybdenum	97-1	2485.10	2421.22	2495.41	2467.25	1.63	ppb
Molybdenum	98-1	2445.34	2439.18	2468.96	2451.16	0.64	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	254.03	252.25	253.57	253.28	0.36	ppb
Phosphorus	31-2	4990.82	4942.65	5018.82	4984.09	0.77	ppb
Potassium	39-2	12190.72	12076.63	12136.17	12134.51	0.47	ppb
Rhodium	103-1				99		%
Rhodium	103-2				99		%
Scandium	45-1				100		%
Scandium	45-2				99		%
Selenium	82-1	252.53	251.00	255.66	253.06	0.94	ppb
Selenium	77-2	266.12	259.17	265.47	263.59	1.46	ppb
Selenium	78-2	258.08	258.76	256.15	257.66	0.52	ppb
Silicon	28-1	286.41	295.75	315.74	299.30	5.01	ppb
Silver	107-1	253.59	254.00	255.63	254.41	0.43	ppb
Silver	109-1	251.81	255.10	253.94	253.62	0.66	ppb
Sodium	23-2	25077.33	24578.58	25043.71	24899.87	1.12	ppb
Strontium	86-1	220.65	217.76	221.48	219.96	0.89	ppb
Strontium	88-1	248.90	243.99	249.55	247.48	1.23	ppb
Sulfur	34-1	4514.94	4662.55	5000.89	4726.13	5.27	ppb
Terbium	159-1				103		%
Terbium	159-2				100		%
Thallium	203-1	201.46	202.51	200.06	201.34	0.61	ppb
Thallium	205-1	249.83	240.36	243.51	244.57	1.97	ppb
Tin	118-1	215.99	216.08	215.44	215.83	0.16	ppb
Titanium	47-1	2380.57	2420.84	2517.38	2439.60	2.88	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 11:44:11	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	241.67	247.87	243.38	244.31	1.31	ppb
Vanadium	51-2	217.72	215.59	217.65	216.99	0.56	ppb
Yttrium	89-1				102		%
Yttrium	89-2				99		%
Zinc	66-2	2517.18	2466.80	2539.24	2507.74	1.48	ppb
Zirconium	90-1	245.95	243.63	248.41	246.00	0.97	ppb
Zirconium	91-1	221.01	220.37	220.13	220.50	0.21	ppb

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 11:47:04	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10100.10	9783.43	9732.92	9872.15	2.02	ppb
Antimony	121-1	510.83	514.36	511.43	512.20	0.37	ppb
Arsenic	75-2	487.88	510.58	505.01	501.16	2.36	ppb
Barium	135-1	2488.78	2618.79	2529.04	2545.54	2.61	ppb
Barium	137-1	2441.66	2566.38	2517.26	2508.43	2.50	ppb
Beryllium	9-1	491.61	499.44	507.01	499.35	1.54	ppb
Bismuth	209-1				104		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	490.62	519.67	508.09	506.13	2.89	ppb
Cadmium	106-1	491.64	515.46	502.87	503.32	2.37	ppb
Cadmium	111-1	501.18	509.26	506.14	505.53	0.81	ppb
Calcium	43-1	43367.98	45292.50	43583.67	44081.38	2.39	ppb
Calcium	44-1	48352.61	50994.54	48479.58	49275.58	3.02	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	513.10	504.47	503.03	506.87	1.08	ppb
Cobalt	59-2	526.01	500.99	498.79	508.60	2.97	ppb
Copper	63-2	4915.62	4952.67	4941.04	4936.44	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				104		%
Holmium	165-2				101		%
Indium	115-1				101		%
Indium	115-2				100		%
Iron	56-2	26796.17	25745.48	25576.93	26039.53	2.54	ppb
Iron	57-2	26344.83	25601.03	25696.63	25880.83	1.56	ppb
Iron	54-2	26051.38	26135.44	25243.35	25810.06	1.91	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 11:47:04	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2516.04	2414.40	2492.53	2474.32	2.15	ppb
Lead	207-1	2448.92	2428.12	2447.15	2441.40	0.47	ppb
Lead	208-1	2465.89	2468.90	2475.09	2469.96	0.19	ppb
Lithium	6-1				106		%
Magnesium	24-2	48077.42	48810.15	48702.92	48530.16	0.82	ppb
Manganese	55-2	5027.42	5010.93	4925.52	4987.96	1.10	ppb
Molybdenum	94-1	4938.80	4961.81	4913.20	4937.94	0.49	ppb
Molybdenum	95-1	4966.33	5045.23	4975.55	4995.70	0.86	ppb
Molybdenum	96-1	4998.72	5046.38	5017.52	5020.87	0.48	ppb
Molybdenum	97-1	4992.73	5050.88	5088.75	5044.12	0.96	ppb
Molybdenum	98-1	4975.72	4933.38	5031.57	4980.22	0.99	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	502.05	498.55	500.83	500.48	0.35	ppb
Phosphorus	31-2	10317.31	9976.36	9904.03	10065.90	2.19	ppb
Potassium	39-2	24270.79	24348.42	24206.02	24275.08	0.29	ppb
Rhodium	103-1				102		%
Rhodium	103-2				99		%
Scandium	45-1				101		%
Scandium	45-2				101		%
Selenium	82-1	498.10	509.77	510.85	506.24	1.40	ppb
Selenium	77-2	489.74	514.99	516.67	507.13	2.97	ppb
Selenium	78-2	490.97	521.85	514.68	509.17	3.17	ppb
Silicon	28-1	487.17	520.58	511.59	506.44	3.41	ppb
Silver	107-1	485.70	514.60	517.24	505.85	3.46	ppb
Silver	109-1	490.13	517.33	496.37	501.28	2.84	ppb
Sodium	23-2	49059.51	49587.26	48775.64	49140.80	0.84	ppb
Strontium	86-1	441.18	447.56	444.45	444.40	0.72	ppb
Strontium	88-1	497.91	504.16	500.75	500.94	0.63	ppb
Sulfur	34-1	9630.71	10183.81	9318.78	9711.10	4.51	ppb
Terbium	159-1				105		%
Terbium	159-2				103		%
Thallium	203-1	502.10	499.55	497.59	499.75	0.45	ppb
Thallium	205-1	498.17	491.44	490.91	493.51	0.82	ppb
Tin	118-1	491.52	516.20	499.14	502.29	2.52	ppb
Titanium	47-1	4785.01	4990.39	4855.59	4877.00	2.14	ppb

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 11:47:04	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	490.94	486.93	495.14	491.00	0.84	ppb
Vanadium	51-2	499.97	506.46	498.42	501.61	0.85	ppb
Yttrium	89-1				103		%
Yttrium	89-2				102		%
Zinc	66-2	4980.24	5064.37	4954.22	4999.61	1.15	ppb
Zirconium	90-1	499.08	501.12	500.70	500.30	0.22	ppb
Zirconium	91-1	443.63	449.09	452.32	448.35	0.98	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 11:49:49	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19611.47	19851.45	19510.83	19657.92	0.89	ppb
Antimony	121-1	975.92	1019.06	1018.88	1004.62	2.47	ppb
Arsenic	75-2	984.35	1010.67	997.63	997.55	1.32	ppb
Barium	135-1	4864.17	4989.98	5113.14	4989.10	2.50	ppb
Barium	137-1	4882.09	5066.49	5076.52	5008.36	2.19	ppb
Beryllium	9-1	991.50	1000.28	1004.91	998.90	0.68	ppb
Bismuth	209-1				103		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	974.67	998.91	1009.89	994.49	1.81	ppb
Cadmium	106-1	971.50	1001.04	1016.93	996.49	2.31	ppb
Cadmium	111-1	964.92	1000.59	1019.15	994.89	2.77	ppb
Calcium	43-1	99304.42	103648.06	103091.36	102014.61	2.32	ppb
Calcium	44-1	98224.29	102666.40	102896.49	101262.39	2.60	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1000.28	1008.00	1012.81	1007.03	0.63	ppb
Cobalt	59-2	1008.85	1000.72	1010.41	1006.66	0.52	ppb
Copper	63-2	10089.35	10057.24	9921.04	10022.54	0.89	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				104		%
Indium	115-1				101		%
Indium	115-2				99		%
Iron	56-2	52288.48	52573.31	52072.30	52311.36	0.48	ppb
Iron	57-2	51964.64	52013.47	51557.49	51845.20	0.48	ppb
Iron	54-2	53381.86	52461.55	51664.08	52502.50	1.64	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 11:49:49	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	4992.76	5010.92	5060.86	5021.51	0.70	ppb
Lead	207-1	5042.39	5013.16	5063.53	5039.69	0.50	ppb
Lead	208-1	4996.09	5023.21	5057.28	5025.53	0.61	ppb
Lithium	6-1				106		%
Magnesium	24-2	98449.10	99476.97	99142.16	99022.74	0.53	ppb
Manganese	55-2	10051.10	9948.66	10066.59	10022.12	0.64	ppb
Molybdenum	94-1	9861.58	10088.27	10193.68	10047.84	1.69	ppb
Molybdenum	95-1	10016.63	9940.03	10099.92	10018.86	0.80	ppb
Molybdenum	96-1	10023.66	9919.43	10087.65	10010.24	0.85	ppb
Molybdenum	97-1	9870.39	10031.07	10077.33	9992.93	1.09	ppb
Molybdenum	98-1	10010.82	9948.75	10115.33	10024.97	0.84	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1001.41	996.65	997.53	998.53	0.25	ppb
Phosphorus	31-2	19933.50	20099.46	19869.48	19967.48	0.59	ppb
Potassium	39-2	48559.94	49232.97	49197.45	48996.78	0.77	ppb
Rhodium	103-1				101		%
Rhodium	103-2				101		%
Scandium	45-1				100		%
Scandium	45-2				101		%
Selenium	82-1	983.82	992.51	1010.04	995.46	1.34	ppb
Selenium	77-2	995.16	991.38	989.45	992.00	0.29	ppb
Selenium	78-2	984.80	1000.05	994.37	993.07	0.78	ppb
Silicon	28-1	924.42	996.09	999.98	973.50	4.37	ppb
Silver	107-1	962.68	1005.37	1025.95	998.00	3.23	ppb
Silver	109-1	970.07	1006.81	1024.92	1000.60	2.79	ppb
Sodium	23-2	99280.22	101102.72	101714.60	100699.18	1.26	ppb
Strontium	86-1	1026.96	1049.27	1035.94	1037.39	1.08	ppb
Strontium	88-1	998.52	985.26	1017.45	1000.41	1.62	ppb
Sulfur	34-1	19690.70	20577.14	20388.38	20218.74	2.31	ppb
Terbium	159-1				107		%
Terbium	159-2				105		%
Thallium	203-1	1007.86	1019.80	1019.44	1015.70	0.67	ppb
Thallium	205-1	988.79	1020.47	1015.81	1008.35	1.70	ppb
Tin	118-1	989.61	1034.12	1005.04	1009.59	2.24	ppb
Titanium	47-1	9958.88	10233.29	10124.23	10105.47	1.37	ppb

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 11:49:49	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1009.47	1003.90	1007.68	1007.02	0.28	ppb
Vanadium	51-2	1014.14	1006.48	1008.64	1009.75	0.39	ppb
Yttrium	89-1				105		%
Yttrium	89-2				102		%
Zinc	66-2	10188.04	9913.15	9955.52	10018.91	1.48	ppb
Zirconium	90-1	993.71	990.82	1026.04	1003.52	1.95	ppb
Zirconium	91-1	1019.47	1032.73	1053.24	1035.14	1.64	ppb

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P7
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 11:52:38	DataFile Name :	012CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	99313.55	99827.20	101258.61	100133.12	1.01	ppb
Antimony	121-1	0.67	0.68	0.74	0.70	5.29	ppb
Arsenic	75-2	1.08	1.08	1.03	1.06	2.99	ppb
Barium	135-1	2.25	2.32	2.36	2.31	2.58	ppb
Barium	137-1	2.29	2.26	2.31	2.28	1.26	ppb
Beryllium	9-1	0.14	0.08	0.14	0.12	29.32	ppb
Bismuth	209-1				94		%
Bismuth	209-2				94		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.69	0.77	0.88	0.78	12.19	ppb
Cadmium	106-1	-0.41	-0.92	-0.92	-0.75		ppb
Cadmium	111-1	0.39	0.37	0.37	0.38	3.87	ppb
Calcium	43-1	501740.36	506076.29	493338.82	500385.16	1.29	ppb
Calcium	44-1	498060.76	495511.35	505995.30	499855.80	1.09	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4.16	4.30	4.25	4.24	1.61	ppb
Cobalt	59-2	1.50	1.47	1.48	1.48	1.15	ppb
Copper	63-2	2.21	2.22	2.24	2.23	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				103		%
Holmium	165-2				101		%
Indium	115-1				97		%
Indium	115-2				99		%
Iron	56-2	250400.20	251307.37	246504.02	249403.87	1.02	ppb
Iron	57-2	249773.35	250537.15	248489.53	249600.01	0.41	ppb
Iron	54-2	248101.45	252897.46	247190.26	249396.39	1.23	ppb
Krypton	83-1						cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P7
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 11:52:38	DataFile Name :	012CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1.10	0.97	1.03	1.03	6.47	ppb
Lead	207-1	1.05	0.99	0.99	1.01	3.42	ppb
Lead	208-1	1.02	0.98	1.03	1.01	2.48	ppb
Lithium	6-1				102		%
Magnesium	24-2	489032.96	501101.39	510981.56	500371.97	2.20	ppb
Manganese	55-2	2.34	2.49	2.51	2.44	3.77	ppb
Molybdenum	94-1	2.70	2.58	2.54	2.61	3.29	ppb
Molybdenum	95-1	1.53	1.42	1.49	1.48	3.83	ppb
Molybdenum	96-1	2.79	2.66	2.68	2.71	2.58	ppb
Molybdenum	97-1	1.56	1.47	1.40	1.48	5.45	ppb
Molybdenum	98-1	1.52	1.46	1.42	1.47	3.58	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	4.08	3.88	3.92	3.96	2.62	ppb
Phosphorus	31-2	-20.36	-12.91	-16.03	-16.43		ppb
Potassium	39-2	249610.11	248807.98	252480.27	250299.46	0.77	ppb
Rhodium	103-1				94		%
Rhodium	103-2				95		%
Scandium	45-1				101		%
Scandium	45-2				103		%
Selenium	82-1	1.02	1.32	0.38	0.91	52.78	ppb
Selenium	77-2	0.69	0.96	0.69	0.78	19.65	ppb
Selenium	78-2	-0.05	1.94	2.71	1.54	92.82	ppb
Silicon	28-1	8.96	10.14	9.70	9.60	6.23	ppb
Silver	107-1	0.09	0.10	0.07	0.09	14.77	ppb
Silver	109-1	0.09	0.08	0.08	0.08	11.53	ppb
Sodium	23-2	495021.36	503521.12	501327.02	499956.50	0.88	ppb
Strontium	86-1	11.72	11.91	11.91	11.85	0.95	ppb
Strontium	88-1	11.41	11.30	11.22	11.31	0.86	ppb
Sulfur	34-1	-727.28	-595.73	-579.73	-634.25		ppb
Terbium	159-1				103		%
Terbium	159-2				102		%
Thallium	203-1	0.74	0.73	0.75	0.74	1.17	ppb
Thallium	205-1	0.75	0.75	0.71	0.74	2.93	ppb
Tin	118-1	-0.03	-0.01	0.01	-0.01		ppb
Titanium	47-1	0.60	0.63	0.72	0.65	9.14	ppb

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P7
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 11:52:38	DataFile Name :	012CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.03	0.03	0.03	0.03	7.33	ppb
Vanadium	51-2	0.30	0.34	0.31	0.32	6.79	ppb
Yttrium	89-1				101		%
Yttrium	89-2				102		%
Zinc	66-2	3.56	3.60	3.52	3.56	1.17	ppb
Zirconium	90-1	0.77	0.75	0.76	0.76	1.47	ppb
Zirconium	91-1	0.77	0.81	0.76	0.78	3.15	ppb

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P7
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 12:52:29	DataFile Name :	017ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1633.10	1617.45	1608.84	1619.80	0.76	ppb
Antimony	121-1	412.91	414.17	412.07	413.05	0.26	ppb
Arsenic	75-2	396.14	402.24	407.63	402.00	1.43	ppb
Barium	135-1	1589.27	1578.81	1598.84	1588.97	0.63	ppb
Barium	137-1	1580.54	1555.23	1557.08	1564.28	0.90	ppb
Beryllium	9-1	36.41	37.48	38.48	37.46	2.76	ppb
Bismuth	209-1				100		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	187.91	185.31	186.45	186.56	0.70	ppb
Cadmium	106-1	181.22	181.89	182.53	181.88	0.36	ppb
Cadmium	111-1	200.63	201.31	200.73	200.89	0.18	ppb
Calcium	43-1	3576.43	3613.73	3700.13	3630.10	1.75	ppb
Calcium	44-1	4119.69	4057.72	4190.36	4122.59	1.61	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	163.37	162.80	163.71	163.29	0.28	ppb
Cobalt	59-2	406.70	388.46	407.74	400.97	2.70	ppb
Copper	63-2	200.32	198.60	198.24	199.05	0.56	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				97		%
Indium	115-1				99		%
Indium	115-2				99		%
Iron	56-2	804.65	826.65	792.95	808.08	2.12	ppb
Iron	57-2	739.58	720.29	729.89	729.92	1.32	ppb
Iron	54-2	814.89	812.13	811.47	812.83	0.22	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P7
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 12:52:29	DataFile Name :	017ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	415.25	411.57	407.09	411.30	0.99	ppb
Lead	207-1	327.89	336.02	328.92	330.94	1.34	ppb
Lead	208-1	399.80	401.54	398.79	400.04	0.35	ppb
Lithium	6-1				100		%
Magnesium	24-2	4344.74	4366.37	4366.01	4359.04	0.28	ppb
Manganese	55-2	362.94	365.58	360.32	362.95	0.72	ppb
Molybdenum	94-1	0.16	0.15	0.15	0.15	1.92	ppb
Molybdenum	95-1	0.14	0.12	0.10	0.12	14.05	ppb
Molybdenum	96-1	0.17	0.18	0.16	0.17	3.10	ppb
Molybdenum	97-1	0.16	0.14	0.21	0.17	20.18	ppb
Molybdenum	98-1	0.16	0.15	0.16	0.16	3.62	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	401.76	399.80	401.08	400.88	0.25	ppb
Phosphorus	31-2	-16.43	-15.80	-22.60	-18.27		ppb
Potassium	39-2	3957.75	3907.01	3754.26	3873.01	2.73	ppb
Rhodium	103-1				99		%
Rhodium	103-2				99		%
Scandium	45-1				100		%
Scandium	45-2				98		%
Selenium	82-1	415.86	424.65	419.09	419.87	1.06	ppb
Selenium	77-2	421.63	442.41	418.39	427.48	3.05	ppb
Selenium	78-2	408.69	421.43	425.84	418.65	2.13	ppb
Silicon	28-1	-2.57	-3.81	0.94	-1.81		ppb
Silver	107-1	203.32	202.95	202.24	202.84	0.27	ppb
Silver	109-1	172.77	172.78	174.12	173.22	0.45	ppb
Sodium	23-2	4022.25	3944.34	3945.80	3970.80	1.12	ppb
Strontium	86-1	0.05	0.14	0.10	0.10	45.75	ppb
Strontium	88-1	0.06	0.06	0.06	0.06	3.39	ppb
Sulfur	34-1	-724.10	-724.77	-602.24	-683.71		ppb
Terbium	159-1				101		%
Terbium	159-2				98		%
Thallium	203-1	374.17	369.88	369.93	371.33	0.66	ppb
Thallium	205-1	380.61	375.32	373.54	376.49	0.98	ppb
Tin	118-1	0.11	0.07	0.10	0.10	23.16	ppb
Titanium	47-1	0.12	0.13	0.07	0.10	29.37	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P7
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 12:52:29	DataFile Name :	017ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00		ppb
Vanadium	51-2	375.49	374.31	374.53	374.78	0.17	ppb
Yttrium	89-1				99		%
Yttrium	89-2				98		%
Zinc	66-2	363.81	367.26	371.38	367.48	1.03	ppb
Zirconium	90-1	0.01	0.02	0.00	0.01	63.45	ppb
Zirconium	91-1	0.07	0.11	0.06	0.08	31.45	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P7
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 13:08:20	DataFile Name :	020LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	20.68	21.33	20.54	20.85	2.03	ppb
Antimony	121-1	1.85	1.98	1.86	1.89	3.81	ppb
Arsenic	75-2	1.16	1.04	1.23	1.14	8.31	ppb
Barium	135-1	9.01	9.30	8.99	9.10	1.93	ppb
Barium	137-1	8.99	9.00	8.89	8.96	0.69	ppb
Beryllium	9-1	1.17	1.18	1.04	1.13	7.02	ppb
Bismuth	209-1				97		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.80	1.56	0.71	1.02	45.84	ppb
Cadmium	106-1	-3.00	-1.29	-2.10	-2.13		ppb
Cadmium	111-1	0.89	0.92	0.93	0.91	2.48	ppb
Calcium	43-1	453.43	472.82	482.42	469.56	3.15	ppb
Calcium	44-1	509.70	517.58	516.56	514.61	0.83	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.76	1.74	1.79	1.76	1.48	ppb
Cobalt	59-2	0.94	0.95	1.02	0.97	4.66	ppb
Copper	63-2	1.63	1.63	1.67	1.64	1.35	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				99		%
Indium	115-1				100		%
Indium	115-2				101		%
Iron	56-2	47.91	47.67	47.93	47.84	0.30	ppb
Iron	57-2	51.53	52.96	50.28	51.59	2.60	ppb
Iron	54-2	47.22	50.19	47.95	48.45	3.20	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P7
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 13:08:20	DataFile Name :	020LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.85	0.91	0.94	0.90	5.38	ppb
Lead	207-1	0.83	0.86	0.93	0.87	5.42	ppb
Lead	208-1	0.87	0.90	0.93	0.90	3.01	ppb
Lithium	6-1				98		%
Magnesium	24-2	420.97	430.78	420.37	424.04	1.38	ppb
Manganese	55-2	1.06	0.91	0.94	0.97	7.88	ppb
Molybdenum	94-1	5.11	5.36	5.27	5.24	2.38	ppb
Molybdenum	95-1	4.39	4.44	4.50	4.44	1.20	ppb
Molybdenum	96-1	4.43	4.49	4.56	4.49	1.46	ppb
Molybdenum	97-1	4.39	4.48	4.59	4.49	2.24	ppb
Molybdenum	98-1	4.40	4.41	4.51	4.44	1.33	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.01	1.11	1.22	1.11	9.58	ppb
Phosphorus	31-2	13.41	7.74	4.73	8.63	51.03	ppb
Potassium	39-2	462.67	466.03	460.60	463.10	0.59	ppb
Rhodium	103-1				101		%
Rhodium	103-2				100		%
Scandium	45-1				101		%
Scandium	45-2				99		%
Selenium	82-1	5.33	5.73	4.69	5.25	10.06	ppb
Selenium	77-2	4.27	4.86	4.93	4.69	7.69	ppb
Selenium	78-2	5.89	7.53	4.20	5.87	28.33	ppb
Silicon	28-1	4.83	7.43	11.03	7.76	40.10	ppb
Silver	107-1	0.90	0.91	0.94	0.92	1.86	ppb
Silver	109-1	0.88	0.93	0.90	0.90	2.43	ppb
Sodium	23-2	440.47	440.03	442.83	441.11	0.34	ppb
Strontium	86-1	0.80	0.90	0.98	0.89	9.68	ppb
Strontium	88-1	0.88	0.88	0.89	0.88	0.59	ppb
Sulfur	34-1	-610.59	-536.91	-445.60	-531.03		ppb
Terbium	159-1				99		%
Terbium	159-2				99		%
Thallium	203-1	0.86	0.83	0.89	0.86	3.64	ppb
Thallium	205-1	0.82	0.81	0.84	0.82	2.00	ppb
Tin	118-1	4.69	4.72	4.71	4.71	0.35	ppb
Titanium	47-1	4.30	4.43	4.41	4.38	1.67	ppb

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On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P7
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 13:08:20	DataFile Name :	020LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.78	0.79	0.81	0.79	2.13	ppb
Vanadium	51-2	4.66	4.59	4.62	4.62	0.75	ppb
Yttrium	89-1				101		%
Yttrium	89-2				100		%
Zinc	66-2	5.29	4.92	5.02	5.08	3.78	ppb
Zirconium	90-1	0.85	0.86	0.90	0.87	2.95	ppb
Zirconium	91-1	0.84	0.90	0.94	0.89	5.87	ppb

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P7
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 13:12:09	DataFile Name :	021CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-1.50	-2.08	-1.70	-1.76		ppb
Antimony	121-1	0.01	0.01	0.01	0.01	14.10	ppb
Arsenic	75-2	-0.01	0.02	0.01	0.01	154.97	ppb
Barium	135-1	0.00	-0.01	-0.01	0.00		ppb
Barium	137-1	-0.02	-0.02	-0.02	-0.02		ppb
Beryllium	9-1	0.01	0.00	0.01	0.00	56.21	ppb
Bismuth	209-1				96		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.10	-0.03	0.00	-0.05		ppb
Cadmium	106-1	-3.66	-3.33	-3.64	-3.54		ppb
Cadmium	111-1	-0.25	-0.23	-0.26	-0.24		ppb
Calcium	43-1	-2.19	-1.00	-3.21	-2.14		ppb
Calcium	44-1	42.44	39.36	40.72	40.84	3.78	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.00	0.00	-0.02	-0.01		ppb
Cobalt	59-2	0.00	0.00	0.00	0.00	822.92	ppb
Copper	63-2	-0.11	-0.12	-0.11	-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				100		%
Holmium	165-2				100		%
Indium	115-1				101		%
Indium	115-2				100		%
Iron	56-2	0.25	0.14	0.23	0.21	28.35	ppb
Iron	57-2	1.43	2.30	2.53	2.09	27.93	ppb
Iron	54-2	0.24	1.30	0.23	0.59	104.24	ppb
Krypton	83-1						cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P7
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 13:12:09	DataFile Name :	021CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.03	0.04	0.03	0.03	16.23	ppb
Lead	207-1	0.01	0.02	0.02	0.02	58.55	ppb
Lead	208-1	0.03	0.03	0.03	0.03	2.48	ppb
Lithium	6-1				98		%
Magnesium	24-2	-0.30	-0.25	-0.30	-0.28		ppb
Manganese	55-2	-0.13	0.03	-0.05	-0.05		ppb
Molybdenum	94-1	0.00	0.00	0.02	0.01	138.45	ppb
Molybdenum	95-1	0.02	0.00	0.00	0.00	278.00	ppb
Molybdenum	96-1	0.01	0.01	0.01	0.01	46.48	ppb
Molybdenum	97-1	0.01	0.00	0.01	0.01	60.46	ppb
Molybdenum	98-1	0.00	-0.01	-0.01	-0.01		ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.00	0.03	-0.01	0.00	475.77	ppb
Phosphorus	31-2	-21.73	-24.55	-24.21	-23.50		ppb
Potassium	39-2	14.03	11.67	8.67	11.46	23.42	ppb
Rhodium	103-1				99		%
Rhodium	103-2				98		%
Scandium	45-1				102		%
Scandium	45-2				99		%
Selenium	82-1	-0.84	-0.29	-0.60	-0.58		ppb
Selenium	77-2	-0.09	-0.09	-0.09	-0.09		ppb
Selenium	78-2	0.59	1.44	-1.11	0.31	422.13	ppb
Silicon	28-1	-4.95	-1.34	-1.78	-2.69		ppb
Silver	107-1	0.00	0.01	0.01	0.01	28.28	ppb
Silver	109-1	0.00	0.01	0.00	0.00	37.89	ppb
Sodium	23-2	9.58	8.77	8.86	9.07	4.93	ppb
Strontium	86-1	0.00	0.01	0.02	0.01	76.67	ppb
Strontium	88-1	0.00	0.00	0.00	0.00		ppb
Sulfur	34-1	-715.70	-702.31	-520.77	-646.26		ppb
Terbium	159-1				99		%
Terbium	159-2				100		%
Thallium	203-1	0.00	0.02	0.01	0.01	56.51	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	8.64	ppb
Tin	118-1	-0.03	0.00	-0.01	-0.01		ppb
Titanium	47-1	0.04	0.01	0.03	0.03	59.62	ppb

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P7
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 13:12:09	DataFile Name :	021CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	863.39	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	4487.61	ppb
Yttrium	89-1				103		%
Yttrium	89-2				101		%
Zinc	66-2	-0.27	-0.17	-0.22	-0.22		ppb
Zirconium	90-1	0.00	0.01	0.00	0.00	417.75	ppb
Zirconium	91-1	-0.01	0.01	-0.01	0.00		ppb

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P7
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 13:39:05	DataFile Name :	025ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	87370.21	86560.87	88189.83	87373.64	0.93	ppb
Antimony	121-1	0.91	1.02	1.00	0.98	6.03	ppb
Arsenic	75-2	0.34	0.26	0.37	0.32	17.87	ppb
Barium	135-1	1.20	1.18	1.27	1.22	3.89	ppb
Barium	137-1	1.13	1.22	1.15	1.17	3.97	ppb
Beryllium	9-1	0.28	0.27	0.25	0.26	6.16	ppb
Bismuth	209-1				100		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	6.65	6.62	6.30	6.52	2.96	ppb
Cadmium	106-1	-3.92	-4.04	-4.99	-4.32		ppb
Cadmium	111-1	-0.02	0.02	-0.05	-0.02		ppb
Calcium	43-1	92645.64	98488.76	97578.78	96237.73	3.27	ppb
Calcium	44-1	95905.44	97730.13	98045.16	97226.91	1.19	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	17.47	17.28	17.65	17.47	1.04	ppb
Cobalt	59-2	1.08	1.06	1.10	1.08	2.06	ppb
Copper	63-2	6.35	6.37	6.48	6.40	1.09	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				106		%
Indium	115-1				104		%
Indium	115-2				102		%
Iron	56-2	103225.79	100108.98	101704.83	101679.87	1.53	ppb
Iron	57-2	99351.43	99484.01	98927.95	99254.46	0.29	ppb
Iron	54-2	101589.82	100424.79	101424.61	101146.41	0.62	ppb
Krypton	83-1						cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P7
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 13:39:05	DataFile Name :	025ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	3.81	3.83	3.60	3.75	3.46	ppb
Lead	207-1	3.29	3.35	3.33	3.33	0.86	ppb
Lead	208-1	3.49	3.56	3.48	3.51	1.25	ppb
Lithium	6-1				96		%
Magnesium	24-2	87165.93	86610.65	88746.91	87507.83	1.27	ppb
Manganese	55-2	6.24	6.06	6.39	6.23	2.59	ppb
Molybdenum	94-1	1586.05	1635.05	1566.36	1595.82	2.22	ppb
Molybdenum	95-1	1910.66	1987.73	1904.70	1934.37	2.39	ppb
Molybdenum	96-1	1856.47	1966.02	1890.09	1904.19	2.95	ppb
Molybdenum	97-1	1887.89	1993.99	1905.90	1929.26	2.94	ppb
Molybdenum	98-1	1927.83	1907.89	1887.15	1907.62	1.07	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	5.47	5.22	5.58	5.42	3.40	ppb
Phosphorus	31-2	96680.25	95628.17	95647.55	95985.33	0.63	ppb
Potassium	39-2	94819.61	96424.30	96725.35	95989.75	1.07	ppb
Rhodium	103-1				102		%
Rhodium	103-2				103		%
Scandium	45-1				105		%
Scandium	45-2				100		%
Selenium	82-1	0.38	0.08	-0.68	-0.07		ppb
Selenium	77-2	-0.09	0.17	-0.09	0.00		ppb
Selenium	78-2	0.77	1.91	0.80	1.16	56.12	ppb
Silicon	28-1	12.32	3.79	-0.21	5.30	120.86	ppb
Silver	107-1	0.03	0.05	0.05	0.04	16.80	ppb
Silver	109-1	0.04	0.04	0.05	0.04	10.38	ppb
Sodium	23-2	94828.08	94459.68	96857.94	95381.90	1.35	ppb
Strontium	86-1	28.64	30.08	29.16	29.29	2.49	ppb
Strontium	88-1	27.43	28.57	27.69	27.90	2.15	ppb
Sulfur	34-1	113285.58	118692.51	121062.51	117680.20	3.39	ppb
Terbium	159-1				106		%
Terbium	159-2				106		%
Thallium	203-1	0.04	0.03	0.05	0.04	15.14	ppb
Thallium	205-1	0.04	0.05	0.05	0.05	6.87	ppb
Tin	118-1	0.46	0.66	0.85	0.66	29.67	ppb
Titanium	47-1	1932.59	1986.68	1988.65	1969.31	1.62	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P7
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 13:39:05	DataFile Name :	025ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.02	0.01	0.01	0.01	13.55	ppb
Vanadium	51-2	0.14	0.16	0.16	0.16	6.42	ppb
Yttrium	89-1				107		%
Yttrium	89-2				102		%
Zinc	66-2	9.33	8.86	9.63	9.27	4.15	ppb
Zirconium	90-1	0.01	0.01	0.01	0.01	30.67	ppb
Zirconium	91-1	0.02	0.02	0.00	0.01	77.91	ppb

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P7
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 14:04:17	DataFile Name :	030ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	89984.55	92225.59	88150.46	90120.20	2.26	ppb
Antimony	121-1	18.58	19.09	18.98	18.88	1.41	ppb
Arsenic	75-2	19.47	19.94	20.91	20.11	3.66	ppb
Barium	135-1	18.26	19.32	19.18	18.92	3.02	ppb
Barium	137-1	18.09	19.02	18.80	18.64	2.62	ppb
Beryllium	9-1	19.61	20.23	19.25	19.70	2.51	ppb
Bismuth	209-1				100		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	25.07	26.68	25.40	25.72	3.32	ppb
Cadmium	106-1	13.99	16.72	14.26	14.99	10.02	ppb
Cadmium	111-1	20.06	21.10	20.90	20.69	2.67	ppb
Calcium	43-1	94267.25	99912.69	98605.61	97595.18	3.03	ppb
Calcium	44-1	95207.21	97142.90	97619.59	96656.57	1.32	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	36.65	36.30	36.27	36.41	0.59	ppb
Cobalt	59-2	19.71	19.96	19.66	19.78	0.82	ppb
Copper	63-2	23.78	23.99	23.62	23.80	0.79	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				109		%
Holmium	165-2				106		%
Indium	115-1				106		%
Indium	115-2				103		%
Iron	56-2	106393.59	103414.03	101476.48	103761.37	2.39	ppb
Iron	57-2	105537.18	102203.95	103350.16	103697.10	1.63	ppb
Iron	54-2	102855.19	102672.82	100156.90	101894.97	1.48	ppb
Krypton	83-1						cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P7
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 14:04:17	DataFile Name :	030ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	24.12	25.05	23.61	24.26	3.01	ppb
Lead	207-1	23.02	24.27	22.43	23.24	4.04	ppb
Lead	208-1	23.61	24.13	22.80	23.51	2.84	ppb
Lithium	6-1				97		%
Magnesium	24-2	88751.93	88395.88	89748.69	88965.50	0.79	ppb
Manganese	55-2	27.56	26.99	26.98	27.18	1.22	ppb
Molybdenum	94-1	1574.96	1583.06	1662.55	1606.86	3.01	ppb
Molybdenum	95-1	1911.87	1963.79	2019.75	1965.14	2.75	ppb
Molybdenum	96-1	1897.25	1915.70	1934.78	1915.91	0.98	ppb
Molybdenum	97-1	1954.11	1937.13	1988.85	1960.03	1.35	ppb
Molybdenum	98-1	1938.11	1953.98	1963.89	1951.99	0.67	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	27.57	27.18	26.91	27.22	1.21	ppb
Phosphorus	31-2	99213.90	98144.05	98582.28	98646.75	0.55	ppb
Potassium	39-2	97245.07	97571.27	97941.02	97585.79	0.36	ppb
Rhodium	103-1				104		%
Rhodium	103-2				102		%
Scandium	45-1				107		%
Scandium	45-2				98		%
Selenium	82-1	19.96	20.41	20.66	20.35	1.73	ppb
Selenium	77-2	19.73	23.20	18.00	20.31	13.04	ppb
Selenium	78-2	17.52	19.33	21.53	19.46	10.33	ppb
Silicon	28-1	-10.11	-5.12	-2.30	-5.84		ppb
Silver	107-1	16.78	17.58	17.29	17.22	2.34	ppb
Silver	109-1	16.90	17.71	17.33	17.32	2.36	ppb
Sodium	23-2	99065.35	98996.40	96945.45	98335.74	1.22	ppb
Strontium	86-1	29.44	29.40	30.34	29.73	1.78	ppb
Strontium	88-1	28.06	28.30	29.18	28.51	2.06	ppb
Sulfur	34-1	114015.34	117795.57	117164.93	116325.28	1.74	ppb
Terbium	159-1				109		%
Terbium	159-2				108		%
Thallium	203-1	20.05	20.82	19.21	20.03	4.00	ppb
Thallium	205-1	19.60	20.33	19.43	19.79	2.42	ppb
Tin	118-1	0.18	0.30	0.29	0.26	27.31	ppb
Titanium	47-1	1875.62	2029.91	1989.17	1964.90	4.07	ppb

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P7
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 14:04:17	DataFile Name :	030ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.01	0.01	0.01	7.07	ppb
Vanadium	51-2	18.38	18.38	18.52	18.43	0.41	ppb
Yttrium	89-1				108		%
Yttrium	89-2				103		%
Zinc	66-2	26.92	26.59	27.09	26.87	0.94	ppb
Zirconium	90-1	0.01	0.00	0.02	0.01	55.45	ppb
Zirconium	91-1	0.02	0.00	0.00	0.00	242.62	ppb

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCV01	Instrumnet Name :	P7
Client Sample ID :	CCV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 14:07:20	DataFile Name :	031CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	47688.40	47967.44	48357.92	48004.58	0.70	ppb
Antimony	121-1	511.88	517.28	524.60	517.92	1.23	ppb
Arsenic	75-2	484.21	497.71	503.69	495.20	2.02	ppb
Barium	135-1	2553.06	2568.51	2552.73	2558.10	0.35	ppb
Barium	137-1	2552.70	2579.12	2598.06	2576.63	0.88	ppb
Beryllium	9-1	506.60	517.63	512.38	512.20	1.08	ppb
Bismuth	209-1				99		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	490.82	504.16	491.52	495.50	1.52	ppb
Cadmium	106-1	488.22	500.69	498.90	495.94	1.36	ppb
Cadmium	111-1	496.76	501.90	493.69	497.45	0.83	ppb
Calcium	43-1	249039.94	254931.08	258603.81	254191.61	1.90	ppb
Calcium	44-1	249886.92	256508.34	248983.72	251793.00	1.63	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	519.67	516.20	520.41	518.76	0.43	ppb
Cobalt	59-2	525.14	502.43	504.54	510.71	2.46	ppb
Copper	63-2	5135.58	5021.31	5081.36	5079.42	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				111		%
Holmium	165-2				110		%
Indium	115-1				106		%
Indium	115-2				103		%
Iron	56-2	129500.61	131928.78	130164.62	130531.34	0.96	ppb
Iron	57-2	131364.49	127010.13	129314.52	129229.71	1.69	ppb
Iron	54-2	128773.12	128421.07	128514.90	128569.70	0.14	ppb
Krypton	83-1						cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCV01	Instrumnet Name :	P7
Client Sample ID :	CCV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 14:07:20	DataFile Name :	031CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2625.68	2595.34	2567.59	2596.20	1.12	ppb
Lead	207-1	2572.69	2641.07	2626.08	2613.28	1.38	ppb
Lead	208-1	2587.74	2626.95	2592.87	2602.52	0.82	ppb
Lithium	6-1				98		%
Magnesium	24-2	245790.29	246591.67	238952.01	243777.99	1.72	ppb
Manganese	55-2	5032.23	5006.56	4921.46	4986.75	1.16	ppb
Molybdenum	94-1	5193.36	5088.23	5066.14	5115.91	1.33	ppb
Molybdenum	95-1	5328.54	5113.49	5062.97	5168.33	2.73	ppb
Molybdenum	96-1	5169.91	4967.46	5021.13	5052.84	2.08	ppb
Molybdenum	97-1	5148.36	4991.85	5044.38	5061.53	1.57	ppb
Molybdenum	98-1	5024.75	4921.65	5010.79	4985.73	1.12	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	501.75	496.88	495.37	498.00	0.67	ppb
Phosphorus	31-2	9737.01	9870.48	9962.69	9856.73	1.15	ppb
Potassium	39-2	124878.86	121124.42	124659.75	123554.34	1.71	ppb
Rhodium	103-1				103		%
Rhodium	103-2				103		%
Scandium	45-1				107		%
Scandium	45-2				103		%
Selenium	82-1	486.50	464.11	480.63	477.08	2.43	ppb
Selenium	77-2	477.59	482.38	472.62	477.53	1.02	ppb
Selenium	78-2	466.86	482.75	487.99	479.20	2.30	ppb
Silicon	28-1	983.13	1006.78	1003.70	997.87	1.29	ppb
Silver	107-1	501.67	511.62	505.89	506.39	0.99	ppb
Silver	109-1	513.18	504.51	510.48	509.39	0.87	ppb
Sodium	23-2	241957.71	241625.68	238473.08	240685.49	0.80	ppb
Strontium	86-1	460.87	448.48	457.77	455.71	1.42	ppb
Strontium	88-1	522.03	513.06	522.92	519.34	1.05	ppb
Sulfur	34-1	8323.96	8615.52	8228.80	8389.43	2.40	ppb
Terbium	159-1				111		%
Terbium	159-2				107		%
Thallium	203-1	530.16	528.19	530.44	529.59	0.23	ppb
Thallium	205-1	528.31	533.06	519.68	527.02	1.29	ppb
Tin	118-1	518.32	522.30	530.41	523.67	1.18	ppb
Titanium	47-1	5078.41	5014.34	5030.12	5040.96	0.66	ppb

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCV01	Instrumnet Name :	P7
Client Sample ID :	CCV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 14:07:20	DataFile Name :	031CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	509.98	511.19	504.40	508.52	0.71	ppb
Vanadium	51-2	515.17	516.62	525.41	519.07	1.07	ppb
Yttrium	89-1				111		%
Yttrium	89-2				105		%
Zinc	66-2	4868.51	4869.77	4884.04	4874.11	0.18	ppb
Zirconium	90-1	517.85	512.53	513.41	514.60	0.55	ppb
Zirconium	91-1	456.58	452.12	460.79	456.50	0.95	ppb

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCB01	Instrumnet Name :	P7
Client Sample ID :	CCB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 14:10:06	DataFile Name :	032CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-1.62	-1.21	-1.13	-1.32		ppb
Antimony	121-1	0.14	0.14	0.14	0.14	1.58	ppb
Arsenic	75-2	0.01	0.07	0.05	0.04	64.98	ppb
Barium	135-1	0.02	-0.01	0.00	0.00	402.73	ppb
Barium	137-1	0.00	0.00	0.00	0.00		ppb
Beryllium	9-1	0.01	0.01	0.00	0.01	132.83	ppb
Bismuth	209-1				101		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.07	0.10	-0.04	0.00		ppb
Cadmium	106-1	-2.95	-2.67	-3.97	-3.20		ppb
Cadmium	111-1	-0.18	-0.18	-0.24	-0.20		ppb
Calcium	43-1	-3.37	1.90	-3.84	-1.77		ppb
Calcium	44-1	50.29	48.48	42.01	46.93	9.27	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.05	0.00	-0.01	0.01	238.66	ppb
Cobalt	59-2	0.00	0.01	0.00	0.01	57.93	ppb
Copper	63-2	0.01	0.03	0.06	0.03	76.46	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				106		%
Holmium	165-2				104		%
Indium	115-1				105		%
Indium	115-2				102		%
Iron	56-2	1.13	1.19	0.94	1.09	11.71	ppb
Iron	57-2	2.84	2.50	1.15	2.16	41.19	ppb
Iron	54-2	1.68	0.23	-0.22	0.56	176.76	ppb
Krypton	83-1						cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCB01	Instrumnet Name :	P7
Client Sample ID :	CCB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 14:10:06	DataFile Name :	032CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.13	0.12	0.13	0.13	3.30	ppb
Lead	207-1	0.11	0.14	0.10	0.12	16.22	ppb
Lead	208-1	0.13	0.12	0.12	0.12	6.23	ppb
Lithium	6-1				96		%
Magnesium	24-2	1.06	1.11	0.95	1.04	7.92	ppb
Manganese	55-2	0.01	0.09	-0.02	0.02	231.72	ppb
Molybdenum	94-1	0.29	0.24	0.24	0.25	12.44	ppb
Molybdenum	95-1	0.21	0.17	0.13	0.17	23.57	ppb
Molybdenum	96-1	0.19	0.19	0.15	0.18	14.95	ppb
Molybdenum	97-1	0.20	0.20	0.18	0.20	5.64	ppb
Molybdenum	98-1	0.22	0.17	0.15	0.18	20.69	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.01	0.03	0.03	0.02	62.87	ppb
Phosphorus	31-2	-37.58	-26.26	-31.51	-31.78		ppb
Potassium	39-2	37.04	37.26	31.34	35.22	9.53	ppb
Rhodium	103-1				103		%
Rhodium	103-2				103		%
Scandium	45-1				101		%
Scandium	45-2				97		%
Selenium	82-1	-0.55	-0.37	-1.05	-0.66		ppb
Selenium	77-2	-0.09	-0.09	-0.09	-0.09		ppb
Selenium	78-2	0.71	-1.13	1.10	0.23	528.83	ppb
Silicon	28-1	-5.44	-6.65	-5.69	-5.93		ppb
Silver	107-1	0.05	0.04	0.04	0.04	4.76	ppb
Silver	109-1	0.06	0.03	0.04	0.04	32.53	ppb
Sodium	23-2	68.10	66.51	64.55	66.39	2.68	ppb
Strontium	86-1	-0.06	0.04	-0.03	-0.02		ppb
Strontium	88-1	0.01	0.00	0.00	0.00	243.72	ppb
Sulfur	34-1	-1160.41	-1198.37	-1299.87	-1219.55		ppb
Terbium	159-1				104		%
Terbium	159-2				105		%
Thallium	203-1	0.12	0.10	0.09	0.11	13.80	ppb
Thallium	205-1	0.11	0.10	0.09	0.10	13.18	ppb
Tin	118-1	-0.02	-0.02	-0.01	-0.02		ppb
Titanium	47-1	0.10	0.10	0.09	0.10	7.45	ppb

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCB01	Instrumnet Name :	P7
Client Sample ID :	CCB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 14:10:06	DataFile Name :	032CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.00	0.00	0.00	16.24	ppb
Vanadium	51-2	0.00	0.01	0.00	0.00	233.05	ppb
Yttrium	89-1				107		%
Yttrium	89-2				101		%
Zinc	66-2	-0.06	-0.13	-0.11	-0.10		ppb
Zirconium	90-1	0.04	0.03	0.04	0.04	18.80	ppb
Zirconium	91-1	0.10	0.04	0.06	0.06	52.67	ppb

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P7
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 14:14:27	DataFile Name :	033LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19.87	19.95	19.69	19.84	0.69	ppb
Antimony	121-1	1.81	1.80	1.90	1.83	2.94	ppb
Arsenic	75-2	0.96	1.08	1.01	1.02	6.06	ppb
Barium	135-1	8.89	8.62	9.22	8.91	3.39	ppb
Barium	137-1	8.83	8.51	8.97	8.77	2.64	ppb
Beryllium	9-1	1.03	1.06	1.13	1.07	4.98	ppb
Bismuth	209-1				100		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.77	0.51	0.71	0.67	20.03	ppb
Cadmium	106-1	-1.97	-2.55	-2.63	-2.38		ppb
Cadmium	111-1	0.78	0.91	0.89	0.86	8.49	ppb
Calcium	43-1	429.30	438.44	465.95	444.56	4.29	ppb
Calcium	44-1	486.93	490.97	502.14	493.35	1.60	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.89	1.86	1.76	1.84	3.54	ppb
Cobalt	59-2	1.00	0.96	0.95	0.97	2.56	ppb
Copper	63-2	1.67	1.76	1.69	1.70	2.81	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				103		%
Indium	115-1				106		%
Indium	115-2				103		%
Iron	56-2	48.33	47.37	48.79	48.16	1.51	ppb
Iron	57-2	54.36	53.93	51.82	53.37	2.56	ppb
Iron	54-2	50.00	49.63	50.14	49.92	0.52	ppb
Krypton	83-1						cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P7
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 14:14:27	DataFile Name :	033LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.90	0.88	0.86	0.88	2.09	ppb
Lead	207-1	0.83	0.91	0.90	0.88	4.99	ppb
Lead	208-1	0.87	0.91	0.87	0.88	2.41	ppb
Lithium	6-1				97		%
Magnesium	24-2	419.55	406.34	415.45	413.78	1.63	ppb
Manganese	55-2	0.86	0.90	0.89	0.88	2.74	ppb
Molybdenum	94-1	5.05	5.24	5.12	5.14	1.85	ppb
Molybdenum	95-1	4.11	4.26	4.32	4.23	2.54	ppb
Molybdenum	96-1	4.24	4.31	4.33	4.29	1.12	ppb
Molybdenum	97-1	4.19	4.20	4.30	4.23	1.43	ppb
Molybdenum	98-1	4.21	4.36	4.30	4.29	1.79	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.95	0.99	1.19	1.05	12.02	ppb
Phosphorus	31-2	7.61	-4.91	2.33	1.68	374.50	ppb
Potassium	39-2	471.17	462.79	468.39	467.45	0.91	ppb
Rhodium	103-1				104		%
Rhodium	103-2				103		%
Scandium	45-1				103		%
Scandium	45-2				98		%
Selenium	82-1	4.84	4.27	4.98	4.70	7.99	ppb
Selenium	77-2	5.31	3.61	3.89	4.27	21.34	ppb
Selenium	78-2	6.14	7.47	7.39	7.00	10.65	ppb
Silicon	28-1	-9.88	-6.36	-3.97	-6.74		ppb
Silver	107-1	0.94	0.88	0.92	0.92	3.73	ppb
Silver	109-1	0.85	0.87	0.91	0.88	3.57	ppb
Sodium	23-2	469.05	460.32	464.48	464.62	0.94	ppb
Strontium	86-1	0.89	0.83	0.75	0.82	8.91	ppb
Strontium	88-1	0.84	0.85	0.85	0.85	0.54	ppb
Sulfur	34-1	-1152.46	-1129.50	-1064.54	-1115.50		ppb
Terbium	159-1				105		%
Terbium	159-2				104		%
Thallium	203-1	0.94	0.90	0.92	0.92	2.54	ppb
Thallium	205-1	0.88	0.91	0.85	0.88	3.02	ppb
Tin	118-1	4.46	4.50	4.67	4.54	2.51	ppb
Titanium	47-1	4.26	4.39	4.24	4.29	1.95	ppb

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P7
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 14:14:27	DataFile Name :	033LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.76	0.76	0.78	0.77	1.51	ppb
Vanadium	51-2	4.69	4.53	4.66	4.63	1.83	ppb
Yttrium	89-1				108		%
Yttrium	89-2				101		%
Zinc	66-2	4.19	4.30	4.57	4.35	4.55	ppb
Zirconium	90-1	0.83	0.87	0.85	0.85	2.73	ppb
Zirconium	91-1	0.89	0.90	0.88	0.89	1.06	ppb

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02DLX5	Instrumnet Name :	P7
Client Sample ID :	50765DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 14:18:24	DataFile Name :	034SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	71.96	68.07	73.79	71.27	4.10	ppb
Antimony	121-1	1.47	1.48	1.44	1.47	1.47	ppb
Arsenic	75-2	29.08	30.60	30.85	30.18	3.18	ppb
Barium	135-1	1.21	1.25	1.33	1.26	4.94	ppb
Barium	137-1	1.21	1.26	1.32	1.26	4.13	ppb
Beryllium	9-1	0.00	0.01	0.00	0.00	77.82	ppb
Bismuth	209-1				133		%
Bismuth	209-2				134		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.27	0.13	0.15	0.18	40.40	ppb
Cadmium	106-1	-2.83	-1.95	-3.58	-2.79		ppb
Cadmium	111-1	-0.18	-0.10	-0.22	-0.17		ppb
Calcium	43-1	407.39	407.58	397.07	404.01	1.49	ppb
Calcium	44-1	785.03	798.53	800.48	794.68	1.06	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4.49	4.44	4.47	4.46	0.52	ppb
Cobalt	59-2	0.35	0.35	0.37	0.36	3.29	ppb
Copper	63-2	8.67	8.54	8.47	8.56	1.15	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				137		%
Holmium	165-2				138		%
Indium	115-1				137		%
Indium	115-2				137		%
Iron	56-2	23682.43	23278.36	23621.50	23527.43	0.93	ppb
Iron	57-2	23917.35	22544.72	23385.70	23282.59	2.97	ppb
Iron	54-2	23444.30	23363.97	23507.62	23438.63	0.31	ppb
Krypton	83-1						cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02DLX5	Instrumnet Name :	P7
Client Sample ID :	50765DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 14:18:24	DataFile Name :	034SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	4.65	4.79	4.92	4.79	2.85	ppb
Lead	207-1	4.48	4.39	4.71	4.52	3.64	ppb
Lead	208-1	4.58	4.57	4.73	4.63	1.96	ppb
Lithium	6-1				127		%
Magnesium	24-2	95.48	94.38	96.45	95.44	1.09	ppb
Manganese	55-2	142.93	140.86	143.83	142.54	1.07	ppb
Molybdenum	94-1	4.62	4.44	4.72	4.59	3.11	ppb
Molybdenum	95-1	5.09	5.19	5.39	5.22	2.95	ppb
Molybdenum	96-1	5.10	5.13	5.48	5.24	4.04	ppb
Molybdenum	97-1	5.25	5.12	5.38	5.25	2.54	ppb
Molybdenum	98-1	5.25	5.14	5.38	5.26	2.29	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	16.93	16.85	17.35	17.04	1.60	ppb
Phosphorus	31-2	7559.16	7429.53	7646.38	7545.02	1.45	ppb
Potassium	39-2	29107.44	28931.09	29251.47	29096.67	0.55	ppb
Rhodium	103-1				134		%
Rhodium	103-2				139		%
Scandium	45-1				132		%
Scandium	45-2				132		%
Selenium	82-1	34.74	50.87	59.01	48.21	25.62	ppb
Selenium	77-2	63.34	59.60	70.57	64.50	8.64	ppb
Selenium	78-2	64.13	63.40	63.00	63.51	0.90	ppb
Silicon	28-1	1718.82	1859.01	1963.76	1847.20	6.65	ppb
Silver	107-1	0.03	0.03	0.03	0.03	4.18	ppb
Silver	109-1	0.03	0.04	0.03	0.03	16.52	ppb
Sodium	23-2	7617.53	7566.26	7934.71	7706.16	2.59	ppb
Strontium	86-1	0.98	0.98	1.03	0.99	2.87	ppb
Strontium	88-1	1.06	1.06	1.09	1.07	1.33	ppb
Sulfur	34-1	3928.20	3416.64	3256.95	3533.93	9.92	ppb
Terbium	159-1				134		%
Terbium	159-2				141		%
Thallium	203-1	0.05	0.08	0.10	0.08	33.59	ppb
Thallium	205-1	0.06	0.09	0.09	0.08	26.23	ppb
Tin	118-1	0.96	1.02	1.04	1.01	3.80	ppb
Titanium	47-1	3.10	3.11	2.93	3.05	3.35	ppb

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02DLX5	Instrumnet Name :	P7
Client Sample ID :	50765DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 14:18:24	DataFile Name :	034SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	38.19	ppb
Vanadium	51-2	0.17	0.18	0.20	0.18	7.67	ppb
Yttrium	89-1				138		%
Yttrium	89-2				135		%
Zinc	66-2	140.05	136.95	137.65	138.21	1.18	ppb
Zirconium	90-1	0.15	0.13	0.13	0.14	9.87	ppb
Zirconium	91-1	0.14	0.13	0.14	0.14	5.45	ppb

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	50765DUPDL	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 14:31:01	DataFile Name :	038SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	68.52	69.15	69.45	69.04	0.69	ppb
Antimony	121-1	1.32	1.38	1.35	1.35	2.20	ppb
Arsenic	75-2	31.70	33.73	35.02	33.48	5.00	ppb
Barium	135-1	1.18	1.26	1.26	1.23	3.76	ppb
Barium	137-1	1.26	1.21	1.22	1.23	2.26	ppb
Beryllium	9-1	0.01	0.00	0.00	0.00	54.37	ppb
Bismuth	209-1				129		%
Bismuth	209-2				136		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.05	0.10	0.11	0.09	37.43	ppb
Cadmium	106-1	-2.15	-2.70	-2.76	-2.54		ppb
Cadmium	111-1	-0.10	-0.15	-0.16	-0.13		ppb
Calcium	43-1	377.31	394.64	381.30	384.42	2.36	ppb
Calcium	44-1	785.87	810.99	807.57	801.47	1.70	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4.37	4.32	4.36	4.35	0.55	ppb
Cobalt	59-2	0.35	0.34	0.33	0.34	3.41	ppb
Copper	63-2	8.19	8.33	8.23	8.25	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				136		%
Holmium	165-2				138		%
Indium	115-1				136		%
Indium	115-2				136		%
Iron	56-2	23185.07	22912.21	23571.28	23222.85	1.43	ppb
Iron	57-2	23114.24	22706.73	23195.54	23005.50	1.14	ppb
Iron	54-2	22782.15	23491.78	22915.71	23063.21	1.64	ppb
Krypton	83-1						cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	50765DUPDL	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 14:31:01	DataFile Name :	038SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	4.96	4.87	4.79	4.87	1.68	ppb
Lead	207-1	4.72	4.74	4.65	4.70	1.01	ppb
Lead	208-1	4.81	4.75	4.67	4.74	1.47	ppb
Lithium	6-1				126		%
Magnesium	24-2	94.93	92.27	95.46	94.22	1.81	ppb
Manganese	55-2	140.57	139.23	143.08	140.96	1.39	ppb
Molybdenum	94-1	4.85	4.72	4.56	4.71	3.01	ppb
Molybdenum	95-1	5.43	5.25	5.39	5.36	1.78	ppb
Molybdenum	96-1	5.61	5.32	5.58	5.51	2.86	ppb
Molybdenum	97-1	5.58	5.35	5.63	5.52	2.70	ppb
Molybdenum	98-1	5.45	5.28	5.19	5.31	2.43	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	16.65	16.65	16.91	16.74	0.90	ppb
Phosphorus	31-2	7416.34	7500.75	7511.64	7476.24	0.70	ppb
Potassium	39-2	28183.62	27944.97	29350.04	28492.88	2.64	ppb
Rhodium	103-1				137		%
Rhodium	103-2				138		%
Scandium	45-1				133		%
Scandium	45-2				131		%
Selenium	82-1	64.33	61.51	63.69	63.18	2.34	ppb
Selenium	77-2	68.21	71.23	73.32	70.92	3.62	ppb
Selenium	78-2	67.71	71.12	66.22	68.35	3.67	ppb
Silicon	28-1	1843.54	2001.54	2064.93	1970.00	5.79	ppb
Silver	107-1	0.05	0.05	0.04	0.04	10.11	ppb
Silver	109-1	0.06	0.04	0.04	0.05	20.87	ppb
Sodium	23-2	7548.04	7673.21	7421.15	7547.47	1.67	ppb
Strontium	86-1	1.04	0.95	1.05	1.01	5.31	ppb
Strontium	88-1	1.07	1.05	1.07	1.07	0.96	ppb
Sulfur	34-1	3117.96	3083.42	2866.20	3022.52	4.52	ppb
Terbium	159-1				138		%
Terbium	159-2				140		%
Thallium	203-1	0.06	0.06	0.05	0.06	4.05	ppb
Thallium	205-1	0.05	0.06	0.05	0.05	7.52	ppb
Tin	118-1	0.92	0.98	0.92	0.94	3.71	ppb
Titanium	47-1	2.95	3.01	2.70	2.89	5.78	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	50765DUPDL	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 14:31:01	DataFile Name :	038SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.01	0.01	0.01	24.74	ppb
Vanadium	51-2	0.23	0.20	0.19	0.20	9.35	ppb
Yttrium	89-1				135		%
Yttrium	89-2				135		%
Zinc	66-2	135.42	134.65	135.93	135.33	0.48	ppb
Zirconium	90-1	0.20	0.14	0.15	0.16	20.75	ppb
Zirconium	91-1	0.22	0.16	0.18	0.19	15.11	ppb

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02LDLX25	Instrumnet Name :	P7
Client Sample ID :	50765LDL	Dilution Factor :	25
Date & Time Acquired :	2025-08-05 14:34:11	DataFile Name :	039SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	11.61	11.40	12.09	11.70	3.00	ppb
Antimony	121-1	0.24	0.26	0.27	0.26	7.14	ppb
Arsenic	75-2	6.42	6.50	6.72	6.55	2.45	ppb
Barium	135-1	0.23	0.23	0.21	0.22	4.87	ppb
Barium	137-1	0.19	0.20	0.21	0.20	5.08	ppb
Beryllium	9-1	0.00	0.01	0.02	0.01	85.93	ppb
Bismuth	209-1				107		%
Bismuth	209-2				108		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.17	-0.07	0.02	0.04	318.19	ppb
Cadmium	106-1	-1.66	-4.15	-3.23	-3.01		ppb
Cadmium	111-1	-0.11	-0.27	-0.22	-0.20		ppb
Calcium	43-1	72.31	73.29	63.29	69.63	7.92	ppb
Calcium	44-1	215.43	228.27	219.84	221.18	2.95	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.82	0.89	1.01	0.91	10.66	ppb
Cobalt	59-2	0.04	0.07	0.07	0.06	23.27	ppb
Copper	63-2	1.47	1.50	1.51	1.49	1.54	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				114		%
Holmium	165-2				111		%
Indium	115-1				113		%
Indium	115-2				109		%
Iron	56-2	4218.08	4372.99	4339.68	4310.25	1.89	ppb
Iron	57-2	3770.15	3821.59	3792.94	3794.89	0.68	ppb
Iron	54-2	3760.54	3774.00	3811.64	3782.06	0.70	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02LDLX25	Instrumnet Name :	P7
Client Sample ID :	50765LDL	Dilution Factor :	25
Date & Time Acquired :	2025-08-05 14:34:11	DataFile Name :	039SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.90	0.94	0.94	0.93	2.50	ppb
Lead	207-1	0.91	0.90	0.88	0.90	1.56	ppb
Lead	208-1	0.90	0.88	0.88	0.89	1.18	ppb
Lithium	6-1				105		%
Magnesium	24-2	17.44	17.16	18.86	17.82	5.11	ppb
Manganese	55-2	26.19	26.62	26.94	26.59	1.41	ppb
Molybdenum	94-1	0.86	0.85	0.91	0.87	3.36	ppb
Molybdenum	95-1	1.06	1.01	0.99	1.02	3.49	ppb
Molybdenum	96-1	1.05	1.07	1.04	1.05	1.52	ppb
Molybdenum	97-1	1.09	1.10	1.01	1.07	4.67	ppb
Molybdenum	98-1	0.99	1.01	1.03	1.01	2.01	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	3.38	3.15	3.14	3.22	4.26	ppb
Phosphorus	31-2	1109.64	1134.84	1134.62	1126.37	1.29	ppb
Potassium	39-2	5487.52	5488.70	5559.72	5511.98	0.75	ppb
Rhodium	103-1				112		%
Rhodium	103-2				111		%
Scandium	45-1				111		%
Scandium	45-2				106		%
Selenium	82-1	21.09	20.46	20.95	20.83	1.60	ppb
Selenium	77-2	18.98	19.82	19.81	19.54	2.45	ppb
Selenium	78-2	21.33	22.01	21.10	21.48	2.21	ppb
Silicon	28-1	516.62	536.33	524.13	525.69	1.89	ppb
Silver	107-1	0.01	0.02	0.01	0.02	34.64	ppb
Silver	109-1	0.01	0.01	0.01	0.01	7.44	ppb
Sodium	23-2	1200.99	1226.87	1221.70	1216.52	1.13	ppb
Strontium	86-1	0.15	0.22	0.21	0.19	17.86	ppb
Strontium	88-1	0.19	0.21	0.21	0.20	3.94	ppb
Sulfur	34-1	-1030.35	-808.90	-972.94	-937.40		ppb
Terbium	159-1				113		%
Terbium	159-2				113		%
Thallium	203-1	0.01	0.02	0.01	0.01	31.56	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	9.99	ppb
Tin	118-1	0.20	0.12	0.11	0.14	33.07	ppb
Titanium	47-1	0.52	0.52	0.45	0.50	7.52	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02LDLX25	Instrumnet Name :	P7
Client Sample ID :	50765LDL	Dilution Factor :	25
Date & Time Acquired :	2025-08-05 14:34:11	DataFile Name :	039SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	19.85	ppb
Vanadium	51-2	0.04	0.04	0.05	0.04	11.54	ppb
Yttrium	89-1				114		%
Yttrium	89-2				109		%
Zinc	66-2	25.08	24.89	24.93	24.97	0.41	ppb
Zirconium	90-1	0.01	0.02	0.02	0.02	21.72	ppb
Zirconium	91-1	0.01	0.00	0.03	0.01	79.06	ppb

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02MSDLX5	Instrumnet Name :	P7
Client Sample ID :	50765MSDL	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 14:37:27	DataFile Name :	040SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1609.83	1623.72	1632.55	1622.03	0.71	ppb
Antimony	121-1	92.03	92.53	94.07	92.88	1.15	ppb
Arsenic	75-2	289.70	295.73	296.23	293.89	1.24	ppb
Barium	135-1	390.47	389.41	392.14	390.67	0.35	ppb
Barium	137-1	384.03	380.88	383.73	382.88	0.45	ppb
Beryllium	9-1	102.50	104.19	105.59	104.09	1.49	ppb
Bismuth	209-1				127		%
Bismuth	209-2				133		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	102.87	101.49	103.69	102.68	1.08	ppb
Cadmium	106-1	103.64	102.20	102.63	102.82	0.72	ppb
Cadmium	111-1	107.02	104.80	106.38	106.07	1.08	ppb
Calcium	43-1	8878.56	8808.40	9140.75	8942.57	1.96	ppb
Calcium	44-1	10605.27	10774.65	11140.98	10840.30	2.53	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	91.58	92.33	91.77	91.89	0.42	ppb
Cobalt	59-2	90.27	90.74	90.94	90.65	0.38	ppb
Copper	63-2	995.71	999.76	974.22	989.89	1.39	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				136		%
Holmium	165-2				137		%
Indium	115-1				133		%
Indium	115-2				133		%
Iron	56-2	26820.13	27647.53	26938.96	27135.54	1.65	ppb
Iron	57-2	26213.31	27235.14	26565.65	26671.37	1.95	ppb
Iron	54-2	26865.47	27718.40	26709.87	27097.91	2.00	ppb
Krypton	83-1						cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02MSDLX5	Instrumnet Name :	P7
Client Sample ID :	50765MSDL	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 14:37:27	DataFile Name :	040SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	482.76	504.42	504.22	497.14	2.50	ppb
Lead	207-1	509.15	504.70	501.59	505.15	0.75	ppb
Lead	208-1	496.74	505.05	502.94	501.57	0.86	ppb
Lithium	6-1				124		%
Magnesium	24-2	10259.44	10325.82	10313.61	10299.63	0.34	ppb
Manganese	55-2	1097.52	1113.35	1117.91	1109.59	0.96	ppb
Molybdenum	94-1	402.42	401.36	412.34	405.37	1.49	ppb
Molybdenum	95-1	371.39	357.85	378.44	369.23	2.83	ppb
Molybdenum	96-1	373.05	370.40	383.96	375.81	1.91	ppb
Molybdenum	97-1	312.63	312.38	321.44	315.49	1.64	ppb
Molybdenum	98-1	363.80	361.34	369.29	364.81	1.12	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	121.16	124.10	122.09	122.45	1.23	ppb
Phosphorus	31-2	7417.08	7527.34	7646.47	7530.30	1.52	ppb
Potassium	39-2	32248.58	32547.61	32226.98	32341.06	0.55	ppb
Rhodium	103-1				131		%
Rhodium	103-2				135		%
Scandium	45-1				130		%
Scandium	45-2				129		%
Selenium	82-1	186.17	203.92	217.94	202.68	7.86	ppb
Selenium	77-2	215.76	227.92	230.33	224.67	3.48	ppb
Selenium	78-2	222.65	223.64	228.76	225.02	1.46	ppb
Silicon	28-1	1709.84	1804.33	1931.32	1815.16	6.12	ppb
Silver	107-1	15.02	14.61	15.00	14.88	1.54	ppb
Silver	109-1	14.65	14.46	14.86	14.66	1.34	ppb
Sodium	23-2	16839.82	17418.50	16876.34	17044.89	1.90	ppb
Strontium	86-1	101.24	101.47	104.15	102.29	1.58	ppb
Strontium	88-1	116.59	118.50	120.16	118.42	1.51	ppb
Sulfur	34-1	3003.88	2754.39	3117.63	2958.63	6.28	ppb
Terbium	159-1				132		%
Terbium	159-2				138		%
Thallium	203-1	79.60	81.68	80.69	80.66	1.28	ppb
Thallium	205-1	77.19	79.68	79.51	78.79	1.77	ppb
Tin	118-1	80.31	80.82	81.60	80.91	0.80	ppb
Titanium	47-1	3.24	3.20	3.41	3.28	3.37	ppb

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02MSDLX5	Instrumnet Name :	P7
Client Sample ID :	50765MSDL	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 14:37:27	DataFile Name :	040SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	90.98	92.05	91.27	91.43	0.60	ppb
Vanadium	51-2	90.88	90.11	90.66	90.55	0.44	ppb
Yttrium	89-1				134		%
Yttrium	89-2				134		%
Zinc	66-2	1004.19	1011.29	998.17	1004.55	0.65	ppb
Zirconium	90-1	82.63	83.81	100.66	89.03	11.33	ppb
Zirconium	91-1	87.63	87.27	90.18	88.36	1.80	ppb

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02MSDDLX5	Instrumnet Name :	P7
Client Sample ID :	50765MSDDL	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 14:40:25	DataFile Name :	041SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1643.35	1639.44	1637.58	1640.12	0.18	ppb
Antimony	121-1	92.62	94.05	94.28	93.65	0.96	ppb
Arsenic	75-2	304.13	309.28	309.37	307.59	0.97	ppb
Barium	135-1	386.20	396.26	393.47	391.98	1.33	ppb
Barium	137-1	381.75	390.21	388.77	386.91	1.17	ppb
Beryllium	9-1	103.99	107.94	106.76	106.23	1.91	ppb
Bismuth	209-1				128		%
Bismuth	209-2				135		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	102.41	105.31	102.55	103.43	1.58	ppb
Cadmium	106-1	100.76	102.03	103.39	102.06	1.29	ppb
Cadmium	111-1	105.96	105.77	105.65	105.79	0.15	ppb
Calcium	43-1	9014.36	9177.70	9205.75	9132.60	1.13	ppb
Calcium	44-1	10797.77	10911.30	11086.10	10931.72	1.33	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	92.68	92.00	93.72	92.80	0.93	ppb
Cobalt	59-2	92.37	91.14	92.80	92.10	0.94	ppb
Copper	63-2	1009.06	1005.11	1017.00	1010.39	0.60	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				136		%
Holmium	165-2				140		%
Indium	115-1				133		%
Indium	115-2				136		%
Iron	56-2	27449.03	27772.74	27849.71	27690.49	0.77	ppb
Iron	57-2	26937.47	27159.97	28218.40	27438.61	2.49	ppb
Iron	54-2	27557.84	27019.87	28300.51	27626.08	2.33	ppb
Krypton	83-1						cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02MSDDLX5	Instrumnet Name :	P7
Client Sample ID :	50765MSDDL	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 14:40:25	DataFile Name :	041SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	520.68	514.88	503.46	513.01	1.71	ppb
Lead	207-1	513.06	522.11	499.93	511.70	2.18	ppb
Lead	208-1	509.67	514.43	504.54	509.54	0.97	ppb
Lithium	6-1				126		%
Magnesium	24-2	10440.04	10423.29	10171.83	10345.05	1.45	ppb
Manganese	55-2	1130.66	1130.20	1147.61	1136.16	0.87	ppb
Molybdenum	94-1	409.30	411.28	481.17	433.92	9.43	ppb
Molybdenum	95-1	371.97	364.32	373.00	369.77	1.28	ppb
Molybdenum	96-1	385.74	382.34	380.72	382.93	0.67	ppb
Molybdenum	97-1	320.65	316.02	321.47	319.38	0.92	ppb
Molybdenum	98-1	377.40	366.21	372.27	371.96	1.51	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	122.74	124.58	123.39	123.57	0.76	ppb
Phosphorus	31-2	7852.45	7824.67	7746.21	7807.77	0.71	ppb
Potassium	39-2	32886.96	32869.05	33134.74	32963.58	0.45	ppb
Rhodium	103-1				131		%
Rhodium	103-2				138		%
Scandium	45-1				131		%
Scandium	45-2				132		%
Selenium	82-1	200.41	212.79	225.06	212.75	5.79	ppb
Selenium	77-2	228.19	238.49	236.21	234.30	2.31	ppb
Selenium	78-2	231.27	233.86	229.52	231.55	0.94	ppb
Silicon	28-1	1711.84	1859.72	1920.04	1830.53	5.85	ppb
Silver	107-1	14.71	14.86	15.11	14.89	1.37	ppb
Silver	109-1	14.83	14.92	14.90	14.88	0.31	ppb
Sodium	23-2	17503.81	17686.44	17652.98	17614.41	0.55	ppb
Strontium	86-1	103.29	104.66	104.71	104.22	0.77	ppb
Strontium	88-1	122.36	119.27	118.22	119.95	1.79	ppb
Sulfur	34-1	2884.60	2901.34	2873.34	2886.43	0.49	ppb
Terbium	159-1				135		%
Terbium	159-2				139		%
Thallium	203-1	82.37	81.93	81.89	82.06	0.33	ppb
Thallium	205-1	79.98	80.48	79.70	80.05	0.49	ppb
Tin	118-1	81.18	81.28	81.49	81.32	0.19	ppb
Titanium	47-1	3.28	3.40	3.35	3.35	1.91	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02MSDDLX5	Instrumnet Name :	P7
Client Sample ID :	50765MSDDL	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 14:40:25	DataFile Name :	041SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	93.09	98.12	93.16	94.79	3.05	ppb
Vanadium	51-2	93.30	91.56	92.73	92.53	0.96	ppb
Yttrium	89-1				136		%
Yttrium	89-2				134		%
Zinc	66-2	1021.25	1013.06	1028.25	1020.86	0.74	ppb
Zirconium	90-1	98.58	101.33	101.10	100.34	1.52	ppb
Zirconium	91-1	88.81	89.87	89.91	89.53	0.69	ppb

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02ADLX5	Instrumnet Name :	P7
Client Sample ID :	50765ADL	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 14:43:26	DataFile Name :	042SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1621.72	1607.16	1597.34	1608.74	0.76	ppb
Antimony	121-1	93.74	91.87	90.88	92.16	1.58	ppb
Arsenic	75-2	336.93	332.46	325.85	331.75	1.68	ppb
Barium	135-1	390.74	384.66	380.85	385.42	1.29	ppb
Barium	137-1	383.46	378.16	377.11	379.58	0.90	ppb
Beryllium	9-1	103.30	104.13	103.58	103.67	0.40	ppb
Bismuth	209-1				131		%
Bismuth	209-2				133		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	105.21	104.53	101.58	103.77	1.86	ppb
Cadmium	106-1	103.91	101.18	99.87	101.65	2.03	ppb
Cadmium	111-1	106.48	104.63	104.06	105.06	1.20	ppb
Calcium	43-1	8860.71	9106.38	8928.00	8965.03	1.42	ppb
Calcium	44-1	10572.17	10898.15	10733.11	10734.48	1.52	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	92.72	91.95	92.06	92.24	0.45	ppb
Cobalt	59-2	90.60	90.59	89.37	90.19	0.79	ppb
Copper	63-2	992.00	990.64	1019.85	1000.83	1.65	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				140		%
Holmium	165-2				139		%
Indium	115-1				137		%
Indium	115-2				137		%
Iron	56-2	27239.63	27538.01	27161.07	27312.90	0.73	ppb
Iron	57-2	26513.26	26800.69	26922.48	26745.48	0.79	ppb
Iron	54-2	26807.79	27219.47	26412.10	26813.12	1.51	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02ADLX5	Instrumnet Name :	P7
Client Sample ID :	50765ADL	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 14:43:26	DataFile Name :	042SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	506.04	508.77	497.83	504.22	1.13	ppb
Lead	207-1	498.92	498.53	498.50	498.65	0.05	ppb
Lead	208-1	498.51	500.29	492.68	497.16	0.80	ppb
Lithium	6-1				129		%
Magnesium	24-2	10190.21	10236.36	10004.55	10143.71	1.21	ppb
Manganese	55-2	1113.85	1142.04	1092.41	1116.10	2.23	ppb
Molybdenum	94-1	465.42	477.33	489.74	477.49	2.55	ppb
Molybdenum	95-1	357.08	366.52	370.62	364.74	1.90	ppb
Molybdenum	96-1	371.70	377.97	383.16	377.61	1.52	ppb
Molybdenum	97-1	311.70	313.04	319.66	314.80	1.35	ppb
Molybdenum	98-1	352.98	359.88	381.80	364.88	4.12	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	123.15	122.78	121.64	122.52	0.64	ppb
Phosphorus	31-2	7581.80	7538.33	7547.99	7556.04	0.30	ppb
Potassium	39-2	32363.50	32804.66	33030.31	32732.83	1.04	ppb
Rhodium	103-1				137		%
Rhodium	103-2				137		%
Scandium	45-1				135		%
Scandium	45-2				132		%
Selenium	82-1	200.89	213.22	227.32	213.81	6.18	ppb
Selenium	77-2	253.70	241.80	221.42	238.97	6.83	ppb
Selenium	78-2	230.69	224.75	228.28	227.91	1.31	ppb
Silicon	28-1	1702.85	1854.20	1878.82	1811.96	5.26	ppb
Silver	107-1	14.81	14.71	14.48	14.67	1.13	ppb
Silver	109-1	14.62	14.58	14.58	14.59	0.16	ppb
Sodium	23-2	17445.81	17563.15	16978.76	17329.24	1.78	ppb
Strontium	86-1	101.36	102.82	105.61	103.26	2.09	ppb
Strontium	88-1	117.62	118.73	119.72	118.69	0.89	ppb
Sulfur	34-1	2558.65	2813.13	2382.64	2584.81	8.37	ppb
Terbium	159-1				138		%
Terbium	159-2				140		%
Thallium	203-1	80.18	81.93	79.71	80.61	1.45	ppb
Thallium	205-1	80.52	79.87	78.24	79.54	1.48	ppb
Tin	118-1	80.59	78.83	78.83	79.42	1.28	ppb
Titanium	47-1	3.30	3.27	3.21	3.26	1.33	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02ADLX5	Instrumnet Name :	P7
Client Sample ID :	50765ADL	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 14:43:26	DataFile Name :	042SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	96.43	92.61	94.39	94.47	2.02	ppb
Vanadium	51-2	90.75	91.46	90.10	90.77	0.75	ppb
Yttrium	89-1				139		%
Yttrium	89-2				136		%
Zinc	66-2	1010.01	1012.71	1005.12	1009.28	0.38	ppb
Zirconium	90-1	97.17	100.54	100.14	99.29	1.86	ppb
Zirconium	91-1	87.72	87.72	89.58	88.34	1.22	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCV02	Instrumnet Name :	P7
Client Sample ID :	CCV02	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 14:46:24	DataFile Name :	043CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	48815.03	48031.96	49197.66	48681.55	1.22	ppb
Antimony	121-1	523.30	517.20	521.46	520.65	0.60	ppb
Arsenic	75-2	506.96	519.41	516.69	514.36	1.27	ppb
Barium	135-1	2588.96	2616.11	2672.24	2625.77	1.62	ppb
Barium	137-1	2624.05	2590.42	2589.97	2601.48	0.75	ppb
Beryllium	9-1	506.01	508.29	514.74	509.68	0.89	ppb
Bismuth	209-1				106		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	508.37	507.67	504.45	506.83	0.41	ppb
Cadmium	106-1	503.59	508.37	507.37	506.44	0.50	ppb
Cadmium	111-1	506.40	508.63	510.87	508.63	0.44	ppb
Calcium	43-1	242401.76	249837.37	245002.12	245747.08	1.54	ppb
Calcium	44-1	244553.15	250298.65	246405.79	247085.87	1.19	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	514.60	525.25	512.45	517.43	1.33	ppb
Cobalt	59-2	524.65	511.04	516.05	517.25	1.33	ppb
Copper	63-2	5035.08	4954.63	4952.80	4980.84	0.94	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				119		%
Holmium	165-2				117		%
Indium	115-1				113		%
Indium	115-2				110		%
Iron	56-2	129499.47	129660.07	129590.98	129583.51	0.06	ppb
Iron	57-2	130361.65	129025.08	132986.86	130791.20	1.54	ppb
Iron	54-2	129599.54	130218.75	129078.06	129632.12	0.44	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCV02	Instrumnet Name :	P7
Client Sample ID :	CCV02	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 14:46:24	DataFile Name :	043CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2641.61	2547.50	2545.94	2578.35	2.13	ppb
Lead	207-1	2548.15	2520.65	2545.06	2537.95	0.59	ppb
Lead	208-1	2512.31	2532.59	2537.55	2527.48	0.53	ppb
Lithium	6-1				108		%
Magnesium	24-2	242638.66	246299.37	244795.52	244577.85	0.75	ppb
Manganese	55-2	4987.21	5056.72	5003.51	5015.81	0.72	ppb
Molybdenum	94-1	4994.48	4983.57	5065.04	5014.36	0.88	ppb
Molybdenum	95-1	5029.89	5039.97	4980.88	5016.91	0.63	ppb
Molybdenum	96-1	4930.47	5131.14	4974.43	5012.01	2.10	ppb
Molybdenum	97-1	4891.18	5078.89	5069.80	5013.29	2.11	ppb
Molybdenum	98-1	4941.94	4915.19	5053.68	4970.27	1.48	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	496.77	503.58	499.99	500.11	0.68	ppb
Phosphorus	31-2	10063.64	10044.88	10167.05	10091.86	0.65	ppb
Potassium	39-2	122272.45	123630.68	124645.26	123516.13	0.96	ppb
Rhodium	103-1				111		%
Rhodium	103-2				108		%
Scandium	45-1				116		%
Scandium	45-2				111		%
Selenium	82-1	506.54	506.42	511.46	508.14	0.57	ppb
Selenium	77-2	499.75	524.09	503.91	509.25	2.56	ppb
Selenium	78-2	491.25	511.42	499.14	500.60	2.03	ppb
Silicon	28-1	1200.83	1271.43	1268.21	1246.83	3.20	ppb
Silver	107-1	512.18	516.48	518.02	515.56	0.59	ppb
Silver	109-1	511.52	516.15	510.62	512.76	0.58	ppb
Sodium	23-2	241477.69	245424.75	240827.16	242576.53	1.03	ppb
Strontium	86-1	443.96	443.77	447.35	445.03	0.45	ppb
Strontium	88-1	507.35	522.61	516.12	515.36	1.49	ppb
Sulfur	34-1	7594.17	7934.87	7781.86	7770.30	2.20	ppb
Terbium	159-1				116		%
Terbium	159-2				116		%
Thallium	203-1	533.46	523.70	519.36	525.51	1.37	ppb
Thallium	205-1	523.82	516.77	520.80	520.46	0.68	ppb
Tin	118-1	533.23	524.63	532.99	530.28	0.92	ppb
Titanium	47-1	4989.51	4930.91	4910.89	4943.77	0.83	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCV02	Instrumnet Name :	P7
Client Sample ID :	CCV02	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 14:46:24	DataFile Name :	043CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	489.53	478.37	494.01	487.30	1.65	ppb
Vanadium	51-2	520.61	519.24	517.16	519.00	0.33	ppb
Yttrium	89-1				120		%
Yttrium	89-2				113		%
Zinc	66-2	4947.63	4926.53	4917.18	4930.45	0.32	ppb
Zirconium	90-1	499.60	518.90	511.76	510.09	1.91	ppb
Zirconium	91-1	444.78	452.35	452.28	449.80	0.97	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCB02	Instrumnet Name :	P7
Client Sample ID :	CCB02	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 14:53:49	DataFile Name :	045CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-1.80	-1.52	-1.68	-1.67		ppb
Antimony	121-1	0.02	0.03	0.04	0.03	31.14	ppb
Arsenic	75-2	0.13	0.14	0.21	0.16	27.96	ppb
Barium	135-1	0.00	0.00	0.00	0.00	344.40	ppb
Barium	137-1	-0.01	-0.01	-0.01	-0.01		ppb
Beryllium	9-1	0.01	0.01	0.01	0.01	35.85	ppb
Bismuth	209-1				105		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.02	0.08	0.02	0.04	87.11	ppb
Cadmium	106-1	-3.51	-3.59	-4.08	-3.73		ppb
Cadmium	111-1	-0.24	-0.23	-0.29	-0.25		ppb
Calcium	43-1	-3.25	-4.57	-0.60	-2.81		ppb
Calcium	44-1	51.45	50.66	52.96	51.69	2.27	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.04	0.04	0.03	0.04	16.99	ppb
Cobalt	59-2	-0.01	0.00	-0.01	-0.01		ppb
Copper	63-2	-0.10	-0.07	-0.09	-0.08		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				111		%
Holmium	165-2				108		%
Indium	115-1				111		%
Indium	115-2				107		%
Iron	56-2	0.47	0.44	0.40	0.44	7.40	ppb
Iron	57-2	0.16	1.95	1.20	1.10	81.71	ppb
Iron	54-2	0.56	-0.30	-0.64	-0.13		ppb
Krypton	83-1						cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCB02	Instrumnet Name :	P7
Client Sample ID :	CCB02	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 14:53:49	DataFile Name :	045CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.01	0.00	-0.01	0.00	891.12	ppb
Lead	207-1	0.03	0.00	-0.01	0.01	274.84	ppb
Lead	208-1	0.01	0.00	0.00	0.00	155.23	ppb
Lithium	6-1				103		%
Magnesium	24-2	0.27	0.27	0.30	0.28	7.06	ppb
Manganese	55-2	0.24	0.40	0.30	0.31	25.64	ppb
Molybdenum	94-1	0.06	0.04	0.04	0.04	32.26	ppb
Molybdenum	95-1	0.02	0.02	0.00	0.01	95.63	ppb
Molybdenum	96-1	0.04	0.03	0.04	0.04	9.43	ppb
Molybdenum	97-1	0.06	0.04	0.05	0.05	20.67	ppb
Molybdenum	98-1	0.03	0.04	0.03	0.03	18.45	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.14	0.19	0.21	0.18	21.31	ppb
Phosphorus	31-2	-46.22	-37.77	-39.74	-41.25		ppb
Potassium	39-2	11.73	14.55	13.38	13.22	10.74	ppb
Rhodium	103-1				109		%
Rhodium	103-2				107		%
Scandium	45-1				108		%
Scandium	45-2				104		%
Selenium	82-1	3.41	3.38	2.36	3.05	19.59	ppb
Selenium	77-2	4.33	3.15	1.63	3.04	44.41	ppb
Selenium	78-2	3.34	2.84	2.15	2.78	21.40	ppb
Silicon	28-1	93.31	85.48	92.42	90.40	4.74	ppb
Silver	107-1	0.01	0.01	0.01	0.01	47.47	ppb
Silver	109-1	0.01	0.01	0.01	0.01	16.86	ppb
Sodium	23-2	37.92	37.21	35.49	36.87	3.39	ppb
Strontium	86-1	-0.01	-0.04	0.01	-0.01		ppb
Strontium	88-1	0.00	0.00	0.00	0.00		ppb
Sulfur	34-1	-1471.39	-1483.80	-1445.17	-1466.78		ppb
Terbium	159-1				111		%
Terbium	159-2				110		%
Thallium	203-1	0.00	-0.01	-0.01	-0.01		ppb
Thallium	205-1	0.00	-0.01	-0.01	-0.01		ppb
Tin	118-1	-0.07	-0.08	-0.06	-0.07		ppb
Titanium	47-1	0.01	0.01	-0.01	0.01	207.54	ppb

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCB02	Instrumnet Name :	P7
Client Sample ID :	CCB02	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 14:53:49	DataFile Name :	045CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	49.49	ppb
Vanadium	51-2	0.00	0.00	0.01	0.00	135.90	ppb
Yttrium	89-1				113		%
Yttrium	89-2				107		%
Zinc	66-2	-0.20	-0.16	-0.29	-0.21		ppb
Zirconium	90-1	0.01	0.00	0.01	0.01	107.56	ppb
Zirconium	91-1	0.01	0.00	0.01	0.01	69.88	ppb

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	PB169097BL	Instrumnet Name :	P7
Client Sample ID :	PB169097BL	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 14:57:07	DataFile Name :	046CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-1.60	-1.62	-2.01	-1.74		ppb
Antimony	121-1	0.01	0.01	0.03	0.02	45.75	ppb
Arsenic	75-2	0.05	0.03	0.07	0.05	40.24	ppb
Barium	135-1	-0.01	0.00	0.00	0.00		ppb
Barium	137-1	-0.02	-0.01	-0.02	-0.02		ppb
Beryllium	9-1	0.01	0.01	0.01	0.01	1.48	ppb
Bismuth	209-1				104		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.02	-0.04	-0.04	-0.02		ppb
Cadmium	106-1	-3.09	-3.53	-2.89	-3.17		ppb
Cadmium	111-1	-0.21	-0.25	-0.19	-0.22		ppb
Calcium	43-1	1.18	-4.23	-4.55	-2.53		ppb
Calcium	44-1	43.53	45.97	54.17	47.89	11.63	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.00	0.09	0.00	0.03	177.51	ppb
Cobalt	59-2	-0.01	0.00	-0.01	-0.01		ppb
Copper	63-2	-0.11	-0.11	-0.11	-0.11		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				108		%
Indium	115-1				108		%
Indium	115-2				106		%
Iron	56-2	0.32	0.16	0.19	0.22	39.83	ppb
Iron	57-2	2.06	-0.18	3.42	1.76	103.13	ppb
Iron	54-2	0.96	-1.16	0.29	0.03	3806.18	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	PB169097BL	Instrumnet Name :	P7
Client Sample ID :	PB169097BL	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 14:57:07	DataFile Name :	046CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.00	-0.01	-0.01	-0.01		ppb
Lead	207-1	-0.01	-0.02	-0.01	-0.01		ppb
Lead	208-1	0.00	-0.01	0.00	0.00		ppb
Lithium	6-1				103		%
Magnesium	24-2	-0.23	-0.20	-0.12	-0.18		ppb
Manganese	55-2	0.22	0.28	0.23	0.24	13.96	ppb
Molybdenum	94-1	0.04	0.05	0.06	0.05	26.76	ppb
Molybdenum	95-1	0.02	0.01	0.00	0.01	91.00	ppb
Molybdenum	96-1	0.01	0.00	0.02	0.01	71.87	ppb
Molybdenum	97-1	0.02	0.03	0.02	0.03	12.49	ppb
Molybdenum	98-1	0.01	0.02	0.02	0.02	41.24	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.11	0.13	0.16	0.13	16.73	ppb
Phosphorus	31-2	-42.61	-48.30	-45.19	-45.37		ppb
Potassium	39-2	14.84	15.69	14.81	15.11	3.31	ppb
Rhodium	103-1				107		%
Rhodium	103-2				106		%
Scandium	45-1				107		%
Scandium	45-2				102		%
Selenium	82-1	1.93	2.47	2.11	2.17	12.76	ppb
Selenium	77-2	1.39	2.43	2.74	2.19	32.19	ppb
Selenium	78-2	2.20	1.28	3.03	2.17	40.26	ppb
Silicon	28-1	1.83	1.91	2.40	2.05	14.90	ppb
Silver	107-1	0.00	0.00	0.00	0.00	40.13	ppb
Silver	109-1	0.00	0.00	0.00	0.00	42.92	ppb
Sodium	23-2	32.89	33.14	32.87	32.96	0.45	ppb
Strontium	86-1	0.00	-0.02	0.01	0.00		ppb
Strontium	88-1	0.00	0.00	0.00	0.00		ppb
Sulfur	34-1	-1310.89	-1274.41	-1163.96	-1249.75		ppb
Terbium	159-1				109		%
Terbium	159-2				108		%
Thallium	203-1	-0.01	-0.01	-0.02	-0.02		ppb
Thallium	205-1	-0.01	-0.02	-0.01	-0.01		ppb
Tin	118-1	-0.02	-0.05	-0.05	-0.04		ppb
Titanium	47-1	0.00	-0.01	0.00	0.00		ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	PB169097BL	Instrumnet Name :	P7
Client Sample ID :	PB169097BL	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 14:57:07	DataFile Name :	046CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	77.58	ppb
Vanadium	51-2	0.01	0.00	0.00	0.00	123.20	ppb
Yttrium	89-1				110		%
Yttrium	89-2				105		%
Zinc	66-2	0.06	0.11	0.01	0.06	78.68	ppb
Zirconium	90-1	0.00	0.01	0.00	0.00	216.24	ppb
Zirconium	91-1	0.00	0.01	-0.01	0.00	794.36	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	PB169097BS	Instrumnet Name :	P7
Client Sample ID :	PB169097BS	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 15:00:22	DataFile Name :	047LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9564.08	9598.48	9764.99	9642.52	1.11	ppb
Antimony	121-1	513.28	511.62	509.90	511.60	0.33	ppb
Arsenic	75-2	505.70	491.13	505.74	500.85	1.68	ppb
Barium	135-1	2568.86	2504.18	2486.24	2519.76	1.72	ppb
Barium	137-1	2534.93	2489.81	2467.44	2497.39	1.38	ppb
Beryllium	9-1	488.35	486.11	493.28	489.25	0.75	ppb
Bismuth	209-1				105		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	497.39	499.26	502.20	499.62	0.49	ppb
Cadmium	106-1	502.99	491.03	500.72	498.25	1.27	ppb
Cadmium	111-1	507.43	497.86	506.93	504.07	1.07	ppb
Calcium	43-1	43054.81	43687.77	43655.62	43466.07	0.82	ppb
Calcium	44-1	48553.62	49717.84	49567.48	49279.65	1.28	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	524.36	501.52	519.30	515.06	2.33	ppb
Cobalt	59-2	511.25	534.82	529.88	525.32	2.37	ppb
Copper	63-2	5195.63	5089.00	4982.46	5089.03	2.09	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				115		%
Holmium	165-2				113		%
Indium	115-1				110		%
Indium	115-2				110		%
Iron	56-2	25953.09	26997.74	27376.11	26775.65	2.75	ppb
Iron	57-2	26083.20	26575.56	26891.89	26516.88	1.54	ppb
Iron	54-2	26238.29	26559.22	26510.87	26436.12	0.65	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	PB169097BS	Instrumnet Name :	P7
Client Sample ID :	PB169097BS	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 15:00:22	DataFile Name :	047LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2529.67	2477.32	2511.03	2506.01	1.06	ppb
Lead	207-1	2518.01	2451.94	2448.85	2472.94	1.58	ppb
Lead	208-1	2491.81	2479.34	2463.51	2478.22	0.57	ppb
Lithium	6-1				107		%
Magnesium	24-2	49444.21	48448.05	48529.34	48807.20	1.13	ppb
Manganese	55-2	5005.86	5053.17	5134.37	5064.47	1.28	ppb
Molybdenum	94-1	4856.31	5003.55	4927.50	4929.12	1.49	ppb
Molybdenum	95-1	4845.11	4875.97	4899.57	4873.55	0.56	ppb
Molybdenum	96-1	4850.11	4915.60	4847.49	4871.06	0.79	ppb
Molybdenum	97-1	4922.93	4883.51	4923.53	4909.99	0.47	ppb
Molybdenum	98-1	4791.29	4862.41	4905.25	4852.98	1.19	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	501.45	512.24	506.88	506.86	1.07	ppb
Phosphorus	31-2	9787.43	9904.20	9776.36	9822.66	0.72	ppb
Potassium	39-2	23289.45	24427.44	23998.97	23905.29	2.40	ppb
Rhodium	103-1				109		%
Rhodium	103-2				108		%
Scandium	45-1				110		%
Scandium	45-2				106		%
Selenium	82-1	477.09	472.90	469.56	473.18	0.80	ppb
Selenium	77-2	483.77	474.14	482.40	480.10	1.08	ppb
Selenium	78-2	483.65	461.57	475.74	473.66	2.36	ppb
Silicon	28-1	974.57	1019.60	1024.37	1006.18	2.73	ppb
Silver	107-1	506.47	503.02	495.58	501.69	1.11	ppb
Silver	109-1	520.14	502.31	499.89	507.45	2.18	ppb
Sodium	23-2	50695.13	48303.93	50209.94	49736.33	2.54	ppb
Strontium	86-1	436.03	431.99	436.23	434.75	0.55	ppb
Strontium	88-1	495.52	496.63	494.13	495.43	0.25	ppb
Sulfur	34-1	8453.31	8430.17	8263.71	8382.40	1.23	ppb
Terbium	159-1				113		%
Terbium	159-2				114		%
Thallium	203-1	508.44	504.40	495.19	502.68	1.35	ppb
Thallium	205-1	493.47	505.12	498.37	498.99	1.17	ppb
Tin	118-1	515.99	511.75	506.27	511.34	0.95	ppb
Titanium	47-1	4886.04	4919.14	4896.94	4900.71	0.34	ppb

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	PB169097BS	Instrumnet Name :	P7
Client Sample ID :	PB169097BS	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 15:00:22	DataFile Name :	047LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	470.75	458.08	456.96	461.93	1.66	ppb
Vanadium	51-2	522.51	490.61	504.45	505.86	3.16	ppb
Yttrium	89-1				114		%
Yttrium	89-2				108		%
Zinc	66-2	5260.07	5196.48	5165.19	5207.25	0.93	ppb
Zirconium	90-1	493.30	507.23	496.41	498.98	1.46	ppb
Zirconium	91-1	436.05	436.87	436.90	436.61	0.11	ppb

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LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-01	Instrumnet Name :	P7
Client Sample ID :	PAD-073125	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 15:04:06	DataFile Name :	048SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	50493.04	51320.08	50024.13	50612.42	1.30	ppb
Antimony	121-1	0.62	0.66	0.63	0.64	3.34	ppb
Arsenic	75-2	27.86	28.13	27.52	27.84	1.09	ppb
Barium	135-1	483.14	477.60	479.58	480.11	0.59	ppb
Barium	137-1	573.29	568.01	559.40	566.90	1.24	ppb
Beryllium	9-1	1.97	2.15	2.05	2.05	4.50	ppb
Bismuth	209-1				107		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	11.44	10.25	9.66	10.45	8.71	ppb
Cadmium	106-1	17.18	16.10	16.50	16.60	3.28	ppb
Cadmium	111-1	2.68	2.73	2.82	2.74	2.59	ppb
Calcium	43-1	1048874.12	1037490.32	1063974.65	1050113.03	1.27	ppb
Calcium	44-1	1025376.90	1048886.34	1060446.78	1044903.34	1.71	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1003.77	1021.44	1022.44	1015.89	1.03	ppb
Cobalt	59-2	21.37	21.51	21.60	21.49	0.53	ppb
Copper	63-2	357.04	372.79	367.36	365.73	2.19	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				122		%
Holmium	165-2				118		%
Indium	115-1				119		%
Indium	115-2				116		%
Iron	56-2	73207.75	74321.24	73440.73	73656.58	0.80	ppb
Iron	57-2	77899.73	77403.49	77675.31	77659.51	0.32	ppb
Iron	54-2	72409.60	74348.88	72952.25	73236.91	1.37	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-01	Instrumnet Name :	P7
Client Sample ID :	PAD-073125	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 15:04:06	DataFile Name :	048SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	658.09	660.86	668.15	662.37	0.78	ppb
Lead	207-1	661.10	651.79	652.81	655.24	0.78	ppb
Lead	208-1	650.29	655.34	658.14	654.59	0.61	ppb
Lithium	6-1				111		%
Magnesium	24-2	39941.68	39365.75	39847.37	39718.27	0.78	ppb
Manganese	55-2	2887.68	2933.87	2954.36	2925.30	1.17	ppb
Molybdenum	94-1	240.81	240.64	239.74	240.40	0.24	ppb
Molybdenum	95-1	17.36	17.17	16.85	17.13	1.51	ppb
Molybdenum	96-1	41.29	40.93	40.77	41.00	0.65	ppb
Molybdenum	97-1	17.29	16.95	17.24	17.16	1.08	ppb
Molybdenum	98-1	17.20	16.84	17.26	17.10	1.34	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	243.57	247.46	247.19	246.08	0.88	ppb
Phosphorus	31-2	1101.75	1127.23	1083.12	1104.03	2.01	ppb
Potassium	39-2	6033.08	6089.67	5883.28	6002.01	1.78	ppb
Rhodium	103-1				114		%
Rhodium	103-2				111		%
Scandium	45-1				125		%
Scandium	45-2				120		%
Selenium	82-1	4.21	3.73	4.21	4.05	6.89	ppb
Selenium	77-2	10.72	10.24	11.66	10.87	6.63	ppb
Selenium	78-2	2.48	3.19	3.15	2.94	13.59	ppb
Silicon	28-1	2033.30	1991.97	1954.91	1993.39	1.97	ppb
Silver	107-1	1.17	1.16	1.16	1.16	0.31	ppb
Silver	109-1	1.12	1.08	1.08	1.09	1.86	ppb
Sodium	23-2	3651.65	3685.95	3592.90	3643.50	1.29	ppb
Strontium	86-1	789.60	792.28	795.45	792.44	0.37	ppb
Strontium	88-1	756.80	773.85	765.82	765.49	1.11	ppb
Sulfur	34-1	38115.68	38010.47	39693.00	38606.39	2.44	ppb
Terbium	159-1				119		%
Terbium	159-2				120		%
Thallium	203-1	0.31	0.31	0.30	0.31	2.21	ppb
Thallium	205-1	0.30	0.31	0.30	0.30	0.86	ppb
Tin	118-1	36.75	36.71	36.04	36.50	1.10	ppb
Titanium	47-1	2478.10	2438.54	2611.50	2509.38	3.61	ppb

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-01	Instrumnet Name :	P7
Client Sample ID :	PAD-073125	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 15:04:06	DataFile Name :	048SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	3.06	2.97	3.03	3.02	1.59	ppb
Vanadium	51-2	279.48	281.04	278.58	279.70	0.44	ppb
Yttrium	89-1				129		%
Yttrium	89-2				123		%
Zinc	66-2	531.16	544.64	531.61	535.80	1.43	ppb
Zirconium	90-1	152.27	155.24	153.99	153.83	0.97	ppb
Zirconium	91-1	134.45	134.87	134.29	134.54	0.22	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-01DUP	Instrumnet Name :	P7
Client Sample ID :	PAD-073125DUP	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 15:07:05	DataFile Name :	049SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	56018.63	55003.56	55333.92	55452.04	0.93	ppb
Antimony	121-1	0.54	0.54	0.55	0.54	1.14	ppb
Arsenic	75-2	30.82	30.18	30.07	30.36	1.33	ppb
Barium	135-1	531.86	542.91	543.69	539.49	1.23	ppb
Barium	137-1	632.73	637.91	632.29	634.31	0.49	ppb
Beryllium	9-1	2.10	2.34	2.25	2.23	5.30	ppb
Bismuth	209-1				104		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	12.66	11.59	11.02	11.76	7.06	ppb
Cadmium	106-1	20.16	18.85	19.87	19.63	3.49	ppb
Cadmium	111-1	3.12	3.16	3.09	3.12	1.02	ppb
Calcium	43-1	1119665.08	1140499.13	1147017.13	1135727.11	1.26	ppb
Calcium	44-1	1122757.35	1140181.00	1156669.11	1139869.15	1.49	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1109.56	1086.11	1111.71	1102.46	1.29	ppb
Cobalt	59-2	23.48	23.13	23.00	23.20	1.08	ppb
Copper	63-2	401.28	402.96	400.94	401.73	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				118		%
Holmium	165-2				118		%
Indium	115-1				115		%
Indium	115-2				114		%
Iron	56-2	80679.97	80154.90	80864.29	80566.39	0.46	ppb
Iron	57-2	88230.48	86167.07	86904.83	87100.79	1.20	ppb
Iron	54-2	79924.47	81052.45	79091.51	80022.81	1.23	ppb
Krypton	83-1						cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-01DUP	Instrumnet Name :	P7
Client Sample ID :	PAD-073125DUP	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 15:07:05	DataFile Name :	049SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	738.31	733.19	740.60	737.37	0.51	ppb
Lead	207-1	726.26	724.86	726.81	725.98	0.14	ppb
Lead	208-1	723.89	732.14	729.65	728.56	0.58	ppb
Lithium	6-1				108		%
Magnesium	24-2	43029.97	42915.39	44570.92	43505.43	2.13	ppb
Manganese	55-2	3238.70	3193.83	3206.45	3212.99	0.72	ppb
Molybdenum	94-1	261.46	269.18	267.55	266.07	1.53	ppb
Molybdenum	95-1	19.01	19.04	18.84	18.96	0.59	ppb
Molybdenum	96-1	44.56	45.45	45.54	45.18	1.20	ppb
Molybdenum	97-1	19.41	19.33	18.70	19.15	2.02	ppb
Molybdenum	98-1	19.10	19.32	18.90	19.11	1.09	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	271.46	267.70	266.56	268.58	0.95	ppb
Phosphorus	31-2	1243.25	1209.17	1239.27	1230.56	1.51	ppb
Potassium	39-2	6509.24	6339.56	6518.14	6455.65	1.56	ppb
Rhodium	103-1				112		%
Rhodium	103-2				111		%
Scandium	45-1				125		%
Scandium	45-2				119		%
Selenium	82-1	3.72	3.60	4.01	3.78	5.68	ppb
Selenium	77-2	10.90	10.05	13.00	11.31	13.42	ppb
Selenium	78-2	2.18	3.35	2.83	2.78	20.98	ppb
Silicon	28-1	1268.85	1225.83	1256.11	1250.27	1.77	ppb
Silver	107-1	1.30	1.28	1.28	1.29	0.53	ppb
Silver	109-1	1.23	1.24	1.22	1.23	0.81	ppb
Sodium	23-2	3892.04	3802.97	3788.00	3827.67	1.47	ppb
Strontium	86-1	878.37	887.34	876.43	880.71	0.66	ppb
Strontium	88-1	834.76	853.62	839.56	842.65	1.16	ppb
Sulfur	34-1	39993.74	42010.59	42576.26	41526.86	3.27	ppb
Terbium	159-1				116		%
Terbium	159-2				118		%
Thallium	203-1	0.34	0.31	0.34	0.33	4.77	ppb
Thallium	205-1	0.35	0.32	0.33	0.33	4.83	ppb
Tin	118-1	39.78	40.92	40.81	40.50	1.55	ppb
Titanium	47-1	2742.74	2881.86	2855.69	2826.76	2.62	ppb

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-01DUP	Instrumnet Name :	P7
Client Sample ID :	PAD-073125DUP	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 15:07:05	DataFile Name :	049SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	3.25	3.29	3.37	3.30	1.73	ppb
Vanadium	51-2	306.56	307.28	309.76	307.87	0.55	ppb
Yttrium	89-1				128		%
Yttrium	89-2				123		%
Zinc	66-2	590.35	588.89	586.29	588.51	0.35	ppb
Zirconium	90-1	168.68	170.00	172.84	170.51	1.25	ppb
Zirconium	91-1	147.14	149.59	148.92	148.55	0.85	ppb

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-01LX5	Instrumnet Name :	P7
Client Sample ID :	PAD-073125L	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 15:10:03	DataFile Name :	050SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9742.34	9572.37	9638.02	9650.91	0.89	ppb
Antimony	121-1	0.14	0.15	0.14	0.14	3.31	ppb
Arsenic	75-2	5.35	5.47	5.67	5.50	2.94	ppb
Barium	135-1	88.34	90.66	88.17	89.06	1.56	ppb
Barium	137-1	87.57	89.36	87.47	88.13	1.21	ppb
Beryllium	9-1	0.36	0.39	0.32	0.36	10.80	ppb
Bismuth	209-1				104		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.92	1.91	2.16	1.99	7.11	ppb
Cadmium	106-1	2.52	2.38	0.69	1.86	54.63	ppb
Cadmium	111-1	0.50	0.49	0.36	0.45	16.59	ppb
Calcium	43-1	200036.04	197356.52	198254.88	198549.14	0.69	ppb
Calcium	44-1	198869.12	195168.39	200339.72	198125.74	1.34	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	162.58	165.24	166.79	164.87	1.29	ppb
Cobalt	59-2	4.16	4.14	4.24	4.18	1.21	ppb
Copper	63-2	60.15	62.08	61.67	61.30	1.66	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				116		%
Holmium	165-2				115		%
Indium	115-1				114		%
Indium	115-2				114		%
Iron	56-2	13950.74	14368.08	13988.88	14102.57	1.64	ppb
Iron	57-2	13244.71	13247.39	13466.90	13319.67	0.96	ppb
Iron	54-2	14177.96	14082.63	14293.62	14184.74	0.74	ppb
Krypton	83-1						cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-01LX5	Instrumnet Name :	P7
Client Sample ID :	PAD-073125L	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 15:10:03	DataFile Name :	050SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	96.85	97.93	98.82	97.87	1.01	ppb
Lead	207-1	94.47	93.93	96.59	94.99	1.48	ppb
Lead	208-1	94.43	96.03	96.85	95.77	1.29	ppb
Lithium	6-1				107		%
Magnesium	24-2	7822.03	7824.80	7842.56	7829.80	0.14	ppb
Manganese	55-2	566.32	562.13	577.36	568.60	1.38	ppb
Molybdenum	94-1	44.57	46.52	46.68	45.92	2.56	ppb
Molybdenum	95-1	3.21	3.35	3.42	3.33	3.15	ppb
Molybdenum	96-1	7.50	7.83	7.80	7.71	2.37	ppb
Molybdenum	97-1	3.34	3.27	3.51	3.37	3.70	ppb
Molybdenum	98-1	3.17	3.32	3.22	3.24	2.45	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	48.17	48.71	48.02	48.30	0.75	ppb
Phosphorus	31-2	186.32	189.16	152.89	176.12	11.45	ppb
Potassium	39-2	1042.04	1064.96	1060.05	1055.68	1.14	ppb
Rhodium	103-1				113		%
Rhodium	103-2				112		%
Scandium	45-1				117		%
Scandium	45-2				112		%
Selenium	82-1	1.89	1.92	2.55	2.12	17.53	ppb
Selenium	77-2	3.33	3.82	2.93	3.36	13.23	ppb
Selenium	78-2	2.08	1.08	1.48	1.54	32.65	ppb
Silicon	28-1	556.24	502.57	576.28	545.03	6.99	ppb
Silver	107-1	0.24	0.24	0.22	0.23	3.21	ppb
Silver	109-1	0.21	0.22	0.20	0.21	6.23	ppb
Sodium	23-2	596.82	606.75	617.34	606.97	1.69	ppb
Strontium	86-1	123.99	126.26	128.58	126.28	1.82	ppb
Strontium	88-1	144.78	146.35	147.33	146.15	0.88	ppb
Sulfur	34-1	5058.83	4484.87	4692.02	4745.24	6.13	ppb
Terbium	159-1				114		%
Terbium	159-2				116		%
Thallium	203-1	0.04	0.05	0.05	0.04	15.56	ppb
Thallium	205-1	0.03	0.03	0.04	0.03	18.97	ppb
Tin	118-1	6.89	7.00	6.62	6.84	2.92	ppb
Titanium	47-1	414.78	407.92	410.08	410.92	0.85	ppb

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-01LX5	Instrumnet Name :	P7
Client Sample ID :	PAD-073125L	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 15:10:03	DataFile Name :	050SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.54	0.53	0.53	0.54	1.22	ppb
Vanadium	51-2	53.22	53.66	53.41	53.43	0.41	ppb
Yttrium	89-1				121		%
Yttrium	89-2				115		%
Zinc	66-2	110.42	112.48	112.29	111.73	1.02	ppb
Zirconium	90-1	24.02	24.47	24.88	24.46	1.77	ppb
Zirconium	91-1	24.95	25.97	26.07	25.66	2.41	ppb

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-01MS	Instrumnet Name :	P7
Client Sample ID :	PAD-073125MS	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 15:13:13	DataFile Name :	051SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	69632.96	71229.78	69468.09	70110.27	1.39	ppb
Antimony	121-1	480.77	479.74	481.32	480.61	0.17	ppb
Arsenic	75-2	525.28	534.20	524.89	528.12	1.00	ppb
Barium	135-1	2882.54	2938.72	2949.86	2923.71	1.23	ppb
Barium	137-1	2811.65	2952.24	2890.15	2884.68	2.44	ppb
Beryllium	9-1	459.61	463.56	460.25	461.14	0.46	ppb
Bismuth	209-1				102		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	460.85	473.17	473.20	469.07	1.52	ppb
Cadmium	106-1	483.62	491.43	489.94	488.33	0.85	ppb
Cadmium	111-1	462.10	470.61	461.34	464.68	1.11	ppb
Calcium	43-1	1286892.40	1313615.45	1313182.28	1304563.38	1.17	ppb
Calcium	44-1	1283063.31	1321067.67	1329272.53	1311134.50	1.88	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1686.93	1702.35	1696.48	1695.25	0.46	ppb
Cobalt	59-2	480.60	476.13	487.51	481.41	1.19	ppb
Copper	63-2	4389.95	4467.00	4353.05	4403.33	1.32	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				118		%
Holmium	165-2				117		%
Indium	115-1				115		%
Indium	115-2				112		%
Iron	56-2	110930.85	112755.71	111568.25	111751.60	0.83	ppb
Iron	57-2	116548.52	118483.34	117148.46	117393.44	0.84	ppb
Iron	54-2	111774.10	109819.92	109206.87	110266.97	1.22	ppb
Krypton	83-1						cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-01MS	Instrumnet Name :	P7
Client Sample ID :	PAD-073125MS	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 15:13:13	DataFile Name :	051SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	3280.51	3387.47	3257.84	3308.61	2.09	ppb
Lead	207-1	3203.09	3305.60	3193.76	3234.15	1.92	ppb
Lead	208-1	3228.11	3310.19	3206.82	3248.37	1.68	ppb
Lithium	6-1				110		%
Magnesium	24-2	91732.33	90373.01	91471.97	91192.44	0.79	ppb
Manganese	55-2	7711.88	7784.17	7716.14	7737.40	0.52	ppb
Molybdenum	94-1	2436.18	2508.49	2470.99	2471.89	1.46	ppb
Molybdenum	95-1	1626.43	1660.96	1692.94	1660.11	2.00	ppb
Molybdenum	96-1	1716.14	1708.97	1764.73	1729.95	1.75	ppb
Molybdenum	97-1	1629.33	1651.52	1639.80	1640.21	0.68	ppb
Molybdenum	98-1	1628.94	1631.28	1642.46	1634.23	0.44	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	725.04	730.24	727.24	727.51	0.36	ppb
Phosphorus	31-2	1391.16	1352.98	1372.32	1372.15	1.39	ppb
Potassium	39-2	27354.02	27156.15	26585.32	27031.83	1.48	ppb
Rhodium	103-1				112		%
Rhodium	103-2				109		%
Scandium	45-1				127		%
Scandium	45-2				119		%
Selenium	82-1	413.82	417.70	417.16	416.23	0.50	ppb
Selenium	77-2	428.64	421.65	425.64	425.31	0.82	ppb
Selenium	78-2	408.65	424.40	414.13	415.73	1.92	ppb
Silicon	28-1	1041.74	902.64	989.35	977.91	7.18	ppb
Silver	107-1	67.36	68.94	67.95	68.08	1.17	ppb
Silver	109-1	65.98	66.46	66.11	66.19	0.38	ppb
Sodium	23-2	47306.62	47125.46	46177.96	46870.02	1.29	ppb
Strontium	86-1	1517.57	1535.18	1520.68	1524.48	0.62	ppb
Strontium	88-1	1497.58	1510.94	1526.83	1511.78	0.97	ppb
Sulfur	34-1	46390.63	46349.74	47636.25	46792.21	1.56	ppb
Terbium	159-1				116		%
Terbium	159-2				117		%
Thallium	203-1	497.08	507.63	480.86	495.19	2.72	ppb
Thallium	205-1	490.34	503.18	486.24	493.25	1.79	ppb
Tin	118-1	493.33	502.19	509.37	501.63	1.60	ppb
Titanium	47-1	2970.38	3077.97	3005.25	3017.87	1.82	ppb

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-01MS	Instrumnet Name :	P7
Client Sample ID :	PAD-073125MS	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 15:13:13	DataFile Name :	051SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	466.79	479.01	440.62	462.14	4.24	ppb
Vanadium	51-2	879.05	884.52	877.47	880.35	0.42	ppb
Yttrium	89-1				128		%
Yttrium	89-2				122		%
Zinc	66-2	4580.96	4593.73	4646.02	4606.91	0.75	ppb
Zirconium	90-1	633.30	644.13	638.54	638.66	0.85	ppb
Zirconium	91-1	654.77	672.21	680.49	669.16	1.96	ppb

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-01MSD	Instrumnet Name :	P7
Client Sample ID :	PAD-073125MSD	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 15:15:57	DataFile Name :	052SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	73276.27	75350.08	73556.28	74060.88	1.52	ppb
Antimony	121-1	481.17	479.24	499.87	486.76	2.34	ppb
Arsenic	75-2	532.79	515.46	516.22	521.49	1.88	ppb
Barium	135-1	3089.86	3014.46	3061.04	3055.12	1.25	ppb
Barium	137-1	2903.28	2931.03	3036.09	2956.80	2.37	ppb
Beryllium	9-1	456.55	451.14	457.94	455.21	0.79	ppb
Bismuth	209-1				104		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	451.94	477.65	466.88	465.49	2.77	ppb
Cadmium	106-1	484.34	487.11	498.12	489.86	1.49	ppb
Cadmium	111-1	457.18	459.36	475.82	464.12	2.20	ppb
Calcium	43-1	1466729.00	1428639.08	1456711.69	1450693.25	1.36	ppb
Calcium	44-1	1460696.57	1468518.67	1444188.94	1457801.39	0.85	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1785.82	1828.25	1814.52	1809.53	1.20	ppb
Cobalt	59-2	482.52	482.80	478.87	481.40	0.46	ppb
Copper	63-2	4385.19	4452.88	4405.37	4414.48	0.79	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				120		%
Holmium	165-2				120		%
Indium	115-1				116		%
Indium	115-2				114		%
Iron	56-2	116018.71	119932.42	117623.04	117858.05	1.67	ppb
Iron	57-2	125008.63	129017.39	126937.97	126988.00	1.58	ppb
Iron	54-2	115996.42	117254.22	117801.27	117017.31	0.79	ppb
Krypton	83-1						cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-01MSD	Instrumnet Name :	P7
Client Sample ID :	PAD-073125MSD	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 15:15:57	DataFile Name :	052SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	3260.38	3432.12	3231.56	3308.02	3.28	ppb
Lead	207-1	3224.59	3397.77	3232.55	3284.97	2.98	ppb
Lead	208-1	3225.23	3385.86	3281.53	3297.54	2.47	ppb
Lithium	6-1				112		%
Magnesium	24-2	93614.01	93262.53	95606.42	94160.99	1.34	ppb
Manganese	55-2	8114.49	8079.29	8148.70	8114.16	0.43	ppb
Molybdenum	94-1	2394.09	2488.06	2491.93	2458.03	2.25	ppb
Molybdenum	95-1	1558.50	1641.25	1628.64	1609.47	2.77	ppb
Molybdenum	96-1	1640.14	1738.48	1708.21	1695.61	2.97	ppb
Molybdenum	97-1	1555.23	1667.47	1587.09	1603.26	3.61	ppb
Molybdenum	98-1	1585.71	1644.89	1609.67	1613.42	1.85	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	744.80	756.26	751.79	750.95	0.77	ppb
Phosphorus	31-2	1403.28	1379.81	1447.06	1410.05	2.42	ppb
Potassium	39-2	27030.60	27325.57	27316.71	27224.29	0.62	ppb
Rhodium	103-1				113		%
Rhodium	103-2				110		%
Scandium	45-1				129		%
Scandium	45-2				121		%
Selenium	82-1	391.28	409.81	412.83	404.64	2.88	ppb
Selenium	77-2	427.75	407.98	429.79	421.84	2.86	ppb
Selenium	78-2	415.00	397.32	391.57	401.29	3.04	ppb
Silicon	28-1	1466.42	1497.58	1417.74	1460.58	2.75	ppb
Silver	107-1	66.19	67.69	69.94	67.94	2.78	ppb
Silver	109-1	65.38	64.93	67.79	66.03	2.33	ppb
Sodium	23-2	45832.10	46247.61	46616.20	46231.97	0.85	ppb
Strontium	86-1	1580.92	1608.90	1605.98	1598.60	0.96	ppb
Strontium	88-1	1538.86	1552.25	1555.50	1548.87	0.57	ppb
Sulfur	34-1	50623.95	52688.74	51956.35	51756.35	2.02	ppb
Terbium	159-1				118		%
Terbium	159-2				118		%
Thallium	203-1	481.17	500.34	479.14	486.88	2.40	ppb
Thallium	205-1	473.03	506.03	469.45	482.83	4.18	ppb
Tin	118-1	493.66	509.40	517.06	506.71	2.35	ppb
Titanium	47-1	3336.87	3347.15	3281.18	3321.73	1.07	ppb

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-01MSD	Instrumnet Name :	P7
Client Sample ID :	PAD-073125MSD	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 15:15:57	DataFile Name :	052SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	465.79	464.08	466.63	465.50	0.28	ppb
Vanadium	51-2	899.26	910.04	913.63	907.64	0.82	ppb
Yttrium	89-1				132		%
Yttrium	89-2				125		%
Zinc	66-2	4532.74	4603.41	4622.89	4586.35	1.03	ppb
Zirconium	90-1	634.80	663.74	661.44	653.32	2.46	ppb
Zirconium	91-1	639.23	696.81	685.09	673.71	4.52	ppb

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-01A	Instrumnet Name :	P7
Client Sample ID :	PAD-073125A	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 15:18:39	DataFile Name :	053SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	72371.43	72638.62	71765.68	72258.57	0.62	ppb
Antimony	121-1	472.13	480.03	489.42	480.53	1.80	ppb
Arsenic	75-2	518.93	519.87	522.01	520.27	0.30	ppb
Barium	135-1	2973.66	2888.17	2951.28	2937.70	1.51	ppb
Barium	137-1	2969.56	2850.59	2930.24	2916.80	2.08	ppb
Beryllium	9-1	456.79	452.81	453.85	454.48	0.45	ppb
Bismuth	209-1				104		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	450.52	455.40	465.69	457.20	1.69	ppb
Cadmium	106-1	487.37	479.10	486.91	484.46	0.96	ppb
Cadmium	111-1	463.68	457.58	471.14	464.13	1.46	ppb
Calcium	43-1	1380151.69	1393820.28	1384639.73	1386203.90	0.50	ppb
Calcium	44-1	1398503.51	1389056.57	1363952.23	1383837.44	1.29	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1762.29	1737.56	1727.51	1742.45	1.03	ppb
Cobalt	59-2	490.78	473.79	480.85	481.80	1.77	ppb
Copper	63-2	4441.03	4370.40	4458.90	4423.44	1.06	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				121		%
Holmium	165-2				119		%
Indium	115-1				116		%
Indium	115-2				115		%
Iron	56-2	115536.21	114879.66	113937.04	114784.30	0.70	ppb
Iron	57-2	124166.80	121651.86	120687.62	122168.76	1.47	ppb
Iron	54-2	116068.00	112047.70	113250.98	113788.90	1.81	ppb
Krypton	83-1						cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-01A	Instrumnet Name :	P7
Client Sample ID :	PAD-073125A	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 15:18:39	DataFile Name :	053SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	3279.15	3363.52	3331.47	3324.71	1.28	ppb
Lead	207-1	3230.41	3336.40	3225.21	3264.01	1.92	ppb
Lead	208-1	3217.58	3297.03	3271.04	3261.88	1.24	ppb
Lithium	6-1				112		%
Magnesium	24-2	95481.92	90743.01	94652.25	93625.73	2.70	ppb
Manganese	55-2	8050.89	7839.11	7929.33	7939.78	1.34	ppb
Molybdenum	94-1	2450.42	2471.62	2460.62	2460.89	0.43	ppb
Molybdenum	95-1	1639.49	1617.78	1633.70	1630.32	0.69	ppb
Molybdenum	96-1	1701.86	1726.15	1703.52	1710.51	0.79	ppb
Molybdenum	97-1	1599.39	1625.77	1642.72	1622.63	1.35	ppb
Molybdenum	98-1	1618.14	1609.81	1639.04	1622.33	0.93	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	747.55	732.98	733.38	737.97	1.12	ppb
Phosphorus	31-2	1408.07	1309.50	1411.80	1376.46	4.22	ppb
Potassium	39-2	27676.60	26984.22	27240.82	27300.55	1.28	ppb
Rhodium	103-1				113		%
Rhodium	103-2				111		%
Scandium	45-1				129		%
Scandium	45-2				121		%
Selenium	82-1	413.73	409.70	411.44	411.62	0.49	ppb
Selenium	77-2	439.37	412.28	446.28	432.64	4.15	ppb
Selenium	78-2	415.75	408.21	410.74	411.57	0.93	ppb
Silicon	28-1	1127.75	1120.50	1193.76	1147.34	3.52	ppb
Silver	107-1	67.53	67.19	68.63	67.78	1.11	ppb
Silver	109-1	67.07	65.49	67.26	66.61	1.46	ppb
Sodium	23-2	46614.95	46535.50	47043.22	46731.22	0.58	ppb
Strontium	86-1	1573.55	1576.03	1589.98	1579.85	0.56	ppb
Strontium	88-1	1548.27	1531.61	1507.61	1529.16	1.34	ppb
Sulfur	34-1	50033.05	50445.11	48312.46	49596.87	2.28	ppb
Terbium	159-1				119		%
Terbium	159-2				120		%
Thallium	203-1	488.20	504.44	488.35	493.66	1.89	ppb
Thallium	205-1	473.03	479.88	487.79	480.23	1.54	ppb
Tin	118-1	510.83	501.51	502.71	505.02	1.00	ppb
Titanium	47-1	3168.54	3221.90	3195.71	3195.38	0.83	ppb

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On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-01A	Instrumnet Name :	P7
Client Sample ID :	PAD-073125A	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 15:18:39	DataFile Name :	053SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	456.10	474.52	468.85	466.49	2.02	ppb
Vanadium	51-2	903.97	886.73	891.69	894.13	0.99	ppb
Yttrium	89-1				131		%
Yttrium	89-2				124		%
Zinc	66-2	4663.63	4505.98	4569.39	4579.67	1.73	ppb
Zirconium	90-1	629.08	635.44	651.25	638.59	1.79	ppb
Zirconium	91-1	673.12	669.81	679.18	674.04	0.71	ppb

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02DUPDL2X25	Instrumnet Name :	P7
Client Sample ID :	50765DUPDL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-05 15:24:44	DataFile Name :	055LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10.94	12.27	11.85	11.69	5.81	ppb
Antimony	121-1	0.19	0.21	0.22	0.21	6.95	ppb
Arsenic	75-2	2.81	2.60	3.12	2.85	9.19	ppb
Barium	135-1	0.19	0.19	0.26	0.21	17.90	ppb
Barium	137-1	0.23	0.24	0.22	0.23	4.39	ppb
Beryllium	9-1	0.01	0.00	0.01	0.01	124.84	ppb
Bismuth	209-1				107		%
Bismuth	209-2				112		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.05	-0.07	-0.01	-0.01		ppb
Cadmium	106-1	-2.73	-2.98	-2.74	-2.82		ppb
Cadmium	111-1	-0.17	-0.17	-0.16	-0.17		ppb
Calcium	43-1	73.74	69.19	74.72	72.55	4.07	ppb
Calcium	44-1	213.83	231.39	223.78	223.00	3.95	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.77	0.79	0.86	0.81	5.61	ppb
Cobalt	59-2	0.05	0.04	0.06	0.05	13.68	ppb
Copper	63-2	1.41	1.37	1.40	1.39	1.19	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				114		%
Holmium	165-2				117		%
Indium	115-1				115		%
Indium	115-2				114		%
Iron	56-2	4119.83	4086.60	4202.18	4136.20	1.44	ppb
Iron	57-2	3670.26	3592.53	3653.99	3638.93	1.13	ppb
Iron	54-2	3649.23	3616.86	3669.97	3645.35	0.73	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02DUPDL2X25	Instrumnet Name :	P7
Client Sample ID :	50765DUPDL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-05 15:24:44	DataFile Name :	055LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.97	0.99	0.90	0.95	4.84	ppb
Lead	207-1	0.90	0.92	0.80	0.87	7.13	ppb
Lead	208-1	0.94	0.91	0.84	0.89	5.34	ppb
Lithium	6-1				110		%
Magnesium	24-2	17.74	17.14	17.96	17.61	2.42	ppb
Manganese	55-2	25.51	25.19	25.85	25.52	1.31	ppb
Molybdenum	94-1	1.64	1.35	1.34	1.44	11.77	ppb
Molybdenum	95-1	0.96	1.01	0.98	0.98	2.52	ppb
Molybdenum	96-1	1.03	1.02	1.04	1.03	1.00	ppb
Molybdenum	97-1	0.97	1.00	0.87	0.94	7.28	ppb
Molybdenum	98-1	0.98	0.97	0.99	0.98	1.09	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	3.14	3.07	2.84	3.02	5.12	ppb
Phosphorus	31-2	1109.86	1058.40	1126.15	1098.14	3.22	ppb
Potassium	39-2	5363.02	5252.19	5301.18	5305.46	1.05	ppb
Rhodium	103-1				115		%
Rhodium	103-2				116		%
Scandium	45-1				115		%
Scandium	45-2				111		%
Selenium	82-1	10.07	12.56	13.33	11.98	14.23	ppb
Selenium	77-2	14.99	15.74	11.29	14.01	17.00	ppb
Selenium	78-2	12.25	12.67	13.23	12.72	3.86	ppb
Silicon	28-1	360.43	414.37	416.04	396.95	7.97	ppb
Silver	107-1	0.02	0.02	0.02	0.02	5.62	ppb
Silver	109-1	0.01	0.01	0.02	0.01	8.97	ppb
Sodium	23-2	1165.95	1147.29	1178.48	1163.91	1.35	ppb
Strontium	86-1	0.21	0.17	0.14	0.18	19.81	ppb
Strontium	88-1	0.20	0.19	0.20	0.20	1.37	ppb
Sulfur	34-1	121.42	97.86	-120.34	32.98	404.20	ppb
Terbium	159-1				113		%
Terbium	159-2				119		%
Thallium	203-1	0.15	0.15	0.14	0.15	5.62	ppb
Thallium	205-1	0.17	0.15	0.14	0.15	8.44	ppb
Tin	118-1	0.20	0.24	0.23	0.22	11.07	ppb
Titanium	47-1	0.54	0.47	0.53	0.52	7.11	ppb

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02DUPDL2X25	Instrumnet Name :	P7
Client Sample ID :	50765DUPDL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-05 15:24:44	DataFile Name :	055LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	48.88	ppb
Vanadium	51-2	0.03	0.05	0.04	0.04	22.38	ppb
Yttrium	89-1				118		%
Yttrium	89-2				116		%
Zinc	66-2	23.48	24.38	24.31	24.05	2.08	ppb
Zirconium	90-1	0.45	0.30	0.33	0.36	21.17	ppb
Zirconium	91-1	0.46	0.32	0.32	0.37	22.00	ppb

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCV03	Instrumnet Name :	P7
Client Sample ID :	CCV03	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 15:28:00	DataFile Name :	056CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	47807.62	48987.33	49608.55	48801.17	1.87	ppb
Antimony	121-1	504.44	525.19	533.98	521.20	2.91	ppb
Arsenic	75-2	488.94	486.68	489.05	488.22	0.27	ppb
Barium	135-1	2539.15	2622.37	2569.04	2576.85	1.64	ppb
Barium	137-1	2516.67	2619.95	2564.15	2566.92	2.01	ppb
Beryllium	9-1	499.86	503.90	506.12	503.29	0.63	ppb
Bismuth	209-1				105		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	498.76	505.57	501.63	501.99	0.68	ppb
Cadmium	106-1	495.72	510.94	505.95	504.21	1.54	ppb
Cadmium	111-1	494.03	502.70	505.75	500.83	1.21	ppb
Calcium	43-1	235363.05	253486.71	252096.05	246981.94	4.08	ppb
Calcium	44-1	238247.05	248935.84	249623.67	245602.19	2.60	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	509.09	526.86	517.07	517.67	1.72	ppb
Cobalt	59-2	506.42	522.43	519.37	516.07	1.65	ppb
Copper	63-2	4967.48	5063.55	4946.68	4992.57	1.25	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				119		%
Holmium	165-2				120		%
Indium	115-1				116		%
Indium	115-2				113		%
Iron	56-2	129714.72	133210.96	131650.95	131525.54	1.33	ppb
Iron	57-2	129366.96	127526.64	131803.40	129565.67	1.66	ppb
Iron	54-2	128328.80	128998.19	130267.72	129198.23	0.76	ppb
Krypton	83-1						cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCV03	Instrumnet Name :	P7
Client Sample ID :	CCV03	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 15:28:00	DataFile Name :	056CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2627.71	2531.84	2664.26	2607.94	2.62	ppb
Lead	207-1	2648.11	2552.66	2581.36	2594.04	1.89	ppb
Lead	208-1	2608.45	2551.05	2612.17	2590.56	1.32	ppb
Lithium	6-1				113		%
Magnesium	24-2	245725.89	250539.87	253411.47	249892.41	1.55	ppb
Manganese	55-2	4989.70	5063.97	4974.06	5009.24	0.96	ppb
Molybdenum	94-1	4985.42	5201.85	5137.00	5108.09	2.17	ppb
Molybdenum	95-1	5033.11	5262.09	5120.26	5138.49	2.25	ppb
Molybdenum	96-1	5038.54	5196.00	5085.33	5106.62	1.58	ppb
Molybdenum	97-1	5071.22	5117.96	4985.19	5058.13	1.33	ppb
Molybdenum	98-1	4983.23	5105.94	4982.12	5023.77	1.42	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	488.57	496.06	495.02	493.22	0.82	ppb
Phosphorus	31-2	9953.11	10194.88	9884.81	10010.93	1.63	ppb
Potassium	39-2	121840.57	125957.47	123445.83	123747.96	1.68	ppb
Rhodium	103-1				113		%
Rhodium	103-2				110		%
Scandium	45-1				120		%
Scandium	45-2				113		%
Selenium	82-1	476.86	491.80	474.32	481.00	1.96	ppb
Selenium	77-2	485.85	482.56	472.95	480.45	1.39	ppb
Selenium	78-2	490.08	471.48	472.98	478.18	2.16	ppb
Silicon	28-1	1006.42	1050.12	1070.98	1042.51	3.16	ppb
Silver	107-1	508.96	511.60	512.89	511.15	0.39	ppb
Silver	109-1	502.68	517.71	515.73	512.04	1.59	ppb
Sodium	23-2	245123.81	247972.19	248364.99	247153.67	0.72	ppb
Strontium	86-1	445.15	458.01	447.53	450.23	1.52	ppb
Strontium	88-1	515.72	520.35	524.07	520.05	0.80	ppb
Sulfur	34-1	8179.89	8520.28	8467.97	8389.38	2.18	ppb
Terbium	159-1				118		%
Terbium	159-2				118		%
Thallium	203-1	539.80	523.73	523.72	529.08	1.75	ppb
Thallium	205-1	521.51	517.05	543.92	527.49	2.73	ppb
Tin	118-1	531.74	527.26	525.22	528.07	0.63	ppb
Titanium	47-1	4828.14	5051.33	5020.92	4966.80	2.44	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCV03	Instrumnet Name :	P7
Client Sample ID :	CCV03	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 15:28:00	DataFile Name :	056CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	480.58	487.72	507.20	491.83	2.80	ppb
Vanadium	51-2	527.63	528.35	520.88	525.62	0.78	ppb
Yttrium	89-1				120		%
Yttrium	89-2				116		%
Zinc	66-2	4845.55	4967.71	4915.39	4909.55	1.25	ppb
Zirconium	90-1	506.60	521.96	518.15	515.57	1.55	ppb
Zirconium	91-1	523.86	460.62	533.23	505.90	7.81	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCB03	Instrumnet Name :	P7
Client Sample ID :	CCB03	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 15:30:43	DataFile Name :	057CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-1.02	-1.21	-0.87	-1.03		ppb
Antimony	121-1	0.15	0.15	0.14	0.14	4.44	ppb
Arsenic	75-2	0.02	0.03	-0.01	0.01	147.23	ppb
Barium	135-1	0.06	0.03	0.01	0.03	81.39	ppb
Barium	137-1	0.02	0.03	0.02	0.02	33.05	ppb
Beryllium	9-1	0.03	0.01	0.02	0.02	63.02	ppb
Bismuth	209-1				106		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.02	-0.01	0.02	0.01	189.95	ppb
Cadmium	106-1	-3.44	-3.60	-3.05	-3.36		ppb
Cadmium	111-1	-0.20	-0.23	-0.19	-0.21		ppb
Calcium	43-1	0.23	-0.79	2.66	0.70	253.49	ppb
Calcium	44-1	52.08	44.78	47.08	47.98	7.78	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.02	-0.01	0.04	0.02	136.86	ppb
Cobalt	59-2	0.00	0.00	0.01	0.00	50.49	ppb
Copper	63-2	-0.04	-0.05	-0.02	-0.04		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				113		%
Holmium	165-2				113		%
Indium	115-1				111		%
Indium	115-2				111		%
Iron	56-2	1.29	1.48	1.53	1.43	8.62	ppb
Iron	57-2	1.57	0.46	2.22	1.42	63.01	ppb
Iron	54-2	0.95	1.50	2.06	1.50	37.08	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCB03	Instrumnet Name :	P7
Client Sample ID :	CCB03	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 15:30:43	DataFile Name :	057CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.06	0.04	0.03	0.04	26.49	ppb
Lead	207-1	0.04	0.02	0.04	0.03	35.81	ppb
Lead	208-1	0.06	0.04	0.04	0.04	29.12	ppb
Lithium	6-1				109		%
Magnesium	24-2	1.80	1.35	2.19	1.78	23.72	ppb
Manganese	55-2	0.40	0.36	0.43	0.40	8.39	ppb
Molybdenum	94-1	0.25	0.21	0.23	0.23	9.32	ppb
Molybdenum	95-1	0.18	0.16	0.17	0.17	7.72	ppb
Molybdenum	96-1	0.20	0.19	0.16	0.18	12.56	ppb
Molybdenum	97-1	0.25	0.19	0.18	0.21	19.13	ppb
Molybdenum	98-1	0.21	0.15	0.15	0.17	22.82	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.13	0.15	0.10	0.13	21.06	ppb
Phosphorus	31-2	-46.79	-36.90	-53.21	-45.64		ppb
Potassium	39-2	21.25	20.65	20.97	20.96	1.44	ppb
Rhodium	103-1				112		%
Rhodium	103-2				113		%
Scandium	45-1				110		%
Scandium	45-2				107		%
Selenium	82-1	1.81	1.60	1.66	1.69	6.26	ppb
Selenium	77-2	2.77	1.58	1.10	1.82	47.32	ppb
Selenium	78-2	1.24	1.35	2.15	1.58	31.41	ppb
Silicon	28-1	80.25	-7.64	-3.41	23.07	214.90	ppb
Silver	107-1	0.04	0.04	0.03	0.04	16.98	ppb
Silver	109-1	0.04	0.03	0.03	0.03	10.51	ppb
Sodium	23-2	44.26	43.85	43.16	43.76	1.26	ppb
Strontium	86-1	-0.04	-0.03	0.00	-0.03		ppb
Strontium	88-1	0.01	0.01	0.01	0.01	23.47	ppb
Sulfur	34-1	-1235.03	-1455.43	-1409.14	-1366.53		ppb
Terbium	159-1				112		%
Terbium	159-2				113		%
Thallium	203-1	0.06	0.06	0.05	0.06	17.10	ppb
Thallium	205-1	0.07	0.06	0.06	0.06	5.40	ppb
Tin	118-1	-0.03	-0.03	-0.06	-0.04		ppb
Titanium	47-1	0.04	0.02	0.04	0.03	23.90	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCB03	Instrumnet Name :	P7
Client Sample ID :	CCB03	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 15:30:43	DataFile Name :	057CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.01	0.01	0.01	19.28	ppb
Vanadium	51-2	0.00	0.01	0.01	0.01	85.73	ppb
Yttrium	89-1				114		%
Yttrium	89-2				111		%
Zinc	66-2	0.00	-0.06	-0.11	-0.06		ppb
Zirconium	90-1	0.05	0.04	0.04	0.04	19.79	ppb
Zirconium	91-1	0.05	0.03	0.08	0.05	47.17	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02LDL2X125	Instrumnet Name :	P7
Client Sample ID :	50765LDL2	Dilution Factor :	125
Date & Time Acquired :	2025-08-05 15:34:01	DataFile Name :	058SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	5.07	4.93	4.44	4.81	6.85	ppb
Antimony	121-1	0.07	0.09	0.08	0.08	12.75	ppb
Arsenic	75-2	0.23	0.33	0.30	0.29	18.30	ppb
Barium	135-1	0.05	0.06	0.05	0.05	2.77	ppb
Barium	137-1	0.05	0.03	0.03	0.04	17.61	ppb
Beryllium	9-1	0.01	0.00	0.01	0.01	33.46	ppb
Bismuth	209-1				106		%
Bismuth	209-2				110		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.07	-0.07	0.01	-0.04		ppb
Cadmium	106-1	-3.11	-2.99	-2.88	-2.99		ppb
Cadmium	111-1	-0.20	-0.20	-0.20	-0.20		ppb
Calcium	43-1	14.98	15.39	20.09	16.82	16.89	ppb
Calcium	44-1	74.57	77.87	72.18	74.88	3.81	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.18	0.21	0.23	0.21	13.69	ppb
Cobalt	59-2	0.02	0.01	0.01	0.01	54.81	ppb
Copper	63-2	0.19	0.18	0.17	0.18	4.76	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				114		%
Holmium	165-2				117		%
Indium	115-1				113		%
Indium	115-2				113		%
Iron	56-2	868.68	848.17	846.63	854.50	1.44	ppb
Iron	57-2	750.93	746.08	751.46	749.49	0.40	ppb
Iron	54-2	746.85	747.18	757.11	750.38	0.78	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02LDL2X125	Instrumnet Name :	P7
Client Sample ID :	50765LDL2	Dilution Factor :	125
Date & Time Acquired :	2025-08-05 15:34:01	DataFile Name :	058SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.23	0.24	0.24	0.24	1.38	ppb
Lead	207-1	0.19	0.20	0.18	0.19	5.10	ppb
Lead	208-1	0.22	0.22	0.22	0.22	0.50	ppb
Lithium	6-1				111		%
Magnesium	24-2	11.81	11.73	12.01	11.85	1.19	ppb
Manganese	55-2	5.58	5.54	5.36	5.49	2.17	ppb
Molybdenum	94-1	0.48	0.40	0.50	0.46	11.94	ppb
Molybdenum	95-1	0.36	0.30	0.36	0.34	9.54	ppb
Molybdenum	96-1	0.34	0.33	0.34	0.34	2.12	ppb
Molybdenum	97-1	0.32	0.30	0.37	0.33	10.89	ppb
Molybdenum	98-1	0.31	0.31	0.30	0.30	2.16	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.80	0.79	0.83	0.80	2.57	ppb
Phosphorus	31-2	179.95	177.11	197.99	185.02	6.12	ppb
Potassium	39-2	965.86	969.17	962.80	965.94	0.33	ppb
Rhodium	103-1				113		%
Rhodium	103-2				115		%
Scandium	45-1				112		%
Scandium	45-2				109		%
Selenium	82-1	2.22	2.70	2.87	2.60	12.99	ppb
Selenium	77-2	4.37	5.30	3.88	4.52	16.03	ppb
Selenium	78-2	3.47	1.60	2.71	2.59	36.39	ppb
Silicon	28-1	124.37	124.65	129.88	126.30	2.46	ppb
Silver	107-1	0.02	0.01	0.01	0.01	12.81	ppb
Silver	109-1	0.01	0.00	0.01	0.01	42.54	ppb
Sodium	23-2	269.12	273.26	274.69	272.36	1.06	ppb
Strontium	86-1	0.00	0.02	-0.03	-0.01		ppb
Strontium	88-1	0.04	0.04	0.04	0.04	1.05	ppb
Sulfur	34-1	-1025.09	-1022.58	-1307.92	-1118.53		ppb
Terbium	159-1				115		%
Terbium	159-2				116		%
Thallium	203-1	0.04	0.02	0.02	0.03	37.64	ppb
Thallium	205-1	0.03	0.03	0.03	0.03	7.80	ppb
Tin	118-1	0.00	0.00	-0.02	-0.01		ppb
Titanium	47-1	0.24	0.29	0.21	0.25	18.42	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02LDL2X125	Instrumnet Name :	P7
Client Sample ID :	50765LDL2	Dilution Factor :	125
Date & Time Acquired :	2025-08-05 15:34:01	DataFile Name :	058SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	44.84	ppb
Vanadium	51-2	0.01	0.02	0.01	0.01	12.32	ppb
Yttrium	89-1				115		%
Yttrium	89-2				113		%
Zinc	66-2	5.78	5.09	5.44	5.44	6.37	ppb
Zirconium	90-1	0.09	0.08	0.09	0.09	9.90	ppb
Zirconium	91-1	0.09	0.10	0.09	0.09	6.21	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02MSDL2X25	Instrumnet Name :	P7
Client Sample ID :	50765MSDL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-05 15:37:15	DataFile Name :	059SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	308.87	313.56	305.90	309.44	1.25	ppb
Antimony	121-1	16.49	16.29	16.30	16.36	0.69	ppb
Arsenic	75-2	37.36	38.17	37.60	37.71	1.11	ppb
Barium	135-1	72.67	72.40	71.05	72.04	1.20	ppb
Barium	137-1	71.96	71.36	70.85	71.39	0.78	ppb
Beryllium	9-1	18.64	18.91	19.43	18.99	2.11	ppb
Bismuth	209-1				106		%
Bismuth	209-2				112		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	19.45	20.23	17.67	19.12	6.87	ppb
Cadmium	106-1	16.74	15.78	13.28	15.27	11.68	ppb
Cadmium	111-1	19.12	19.11	18.72	18.98	1.20	ppb
Calcium	43-1	1642.47	1654.52	1645.23	1647.41	0.38	ppb
Calcium	44-1	1774.97	1833.48	1787.35	1798.60	1.71	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	17.46	16.92	17.12	17.17	1.59	ppb
Cobalt	59-2	17.17	17.13	17.16	17.15	0.11	ppb
Copper	63-2	155.77	155.85	157.74	156.45	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				115		%
Holmium	165-2				118		%
Indium	115-1				114		%
Indium	115-2				116		%
Iron	56-2	5113.46	5046.64	5115.95	5092.02	0.77	ppb
Iron	57-2	4469.33	4482.26	4524.39	4491.99	0.64	ppb
Iron	54-2	4505.49	4451.92	4476.36	4477.92	0.60	ppb
Krypton	83-1						cps

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On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02MSDL2X25	Instrumnet Name :	P7
Client Sample ID :	50765MSDL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-05 15:37:15	DataFile Name :	059SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	77.03	79.16	78.37	78.19	1.38	ppb
Lead	207-1	75.73	76.94	78.40	77.02	1.74	ppb
Lead	208-1	75.59	77.03	77.29	76.64	1.19	ppb
Lithium	6-1				112		%
Magnesium	24-2	1637.84	1650.10	1635.20	1641.04	0.48	ppb
Manganese	55-2	179.49	179.97	179.07	179.51	0.25	ppb
Molybdenum	94-1	75.32	76.19	75.63	75.71	0.58	ppb
Molybdenum	95-1	58.19	59.16	58.66	58.67	0.83	ppb
Molybdenum	96-1	59.93	60.93	60.38	60.41	0.82	ppb
Molybdenum	97-1	58.98	59.06	58.97	59.00	0.08	ppb
Molybdenum	98-1	58.04	59.59	58.10	58.58	1.49	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	22.78	22.86	22.89	22.84	0.25	ppb
Phosphorus	31-2	1144.27	1190.70	1127.22	1154.06	2.85	ppb
Potassium	39-2	6244.31	6252.91	6270.07	6255.76	0.21	ppb
Rhodium	103-1				115		%
Rhodium	103-2				116		%
Scandium	45-1				114		%
Scandium	45-2				111		%
Selenium	82-1	26.00	26.70	28.91	27.20	5.60	ppb
Selenium	77-2	34.41	31.50	28.08	31.33	10.10	ppb
Selenium	78-2	27.20	26.37	28.33	27.30	3.61	ppb
Silicon	28-1	375.03	415.74	422.98	404.58	6.39	ppb
Silver	107-1	2.72	2.62	2.66	2.67	1.88	ppb
Silver	109-1	2.65	2.72	2.72	2.70	1.40	ppb
Sodium	23-2	3393.56	3314.35	3399.76	3369.22	1.41	ppb
Strontium	86-1	19.23	19.61	19.80	19.55	1.49	ppb
Strontium	88-1	18.95	19.01	18.78	18.91	0.63	ppb
Sulfur	34-1	-67.28	-165.85	-432.84	-221.99		ppb
Terbium	159-1				116		%
Terbium	159-2				116		%
Thallium	203-1	15.30	15.93	16.04	15.76	2.51	ppb
Thallium	205-1	15.10	15.09	15.24	15.15	0.54	ppb
Tin	118-1	14.94	15.02	14.84	14.93	0.58	ppb
Titanium	47-1	0.57	0.56	0.60	0.58	3.49	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02MSDL2X25	Instrumnet Name :	P7
Client Sample ID :	50765MSDL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-05 15:37:15	DataFile Name :	059SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	13.58	13.83	13.86	13.76	1.11	ppb
Vanadium	51-2	17.17	16.85	17.00	17.01	0.95	ppb
Yttrium	89-1				115		%
Yttrium	89-2				114		%
Zinc	66-2	185.97	183.29	185.23	184.83	0.75	ppb
Zirconium	90-1	15.79	16.02	15.81	15.87	0.80	ppb
Zirconium	91-1	16.61	17.07	16.81	16.83	1.35	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02MSDDL2X25	Instrumnet Name :	P7
Client Sample ID :	50765MSDDL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-05 15:40:29	DataFile Name :	060SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	320.12	309.59	311.59	313.77	1.78	ppb
Antimony	121-1	16.67	17.69	16.54	16.96	3.73	ppb
Arsenic	75-2	39.09	38.24	37.93	38.42	1.56	ppb
Barium	135-1	73.52	75.77	71.62	73.64	2.82	ppb
Barium	137-1	71.90	73.63	72.31	72.61	1.25	ppb
Beryllium	9-1	18.92	18.67	19.59	19.06	2.49	ppb
Bismuth	209-1				109		%
Bismuth	209-2				112		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	19.39	19.87	18.93	19.40	2.40	ppb
Cadmium	106-1	17.81	16.96	15.96	16.91	5.49	ppb
Cadmium	111-1	19.47	20.70	18.92	19.70	4.63	ppb
Calcium	43-1	1665.73	1733.05	1668.75	1689.18	2.25	ppb
Calcium	44-1	1819.99	1848.36	1811.12	1826.49	1.07	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	17.64	17.46	17.68	17.59	0.65	ppb
Cobalt	59-2	17.21	17.21	17.44	17.29	0.77	ppb
Copper	63-2	158.64	159.84	160.81	159.77	0.68	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				118		%
Holmium	165-2				117		%
Indium	115-1				116		%
Indium	115-2				116		%
Iron	56-2	5136.53	5197.48	5236.85	5190.28	0.97	ppb
Iron	57-2	4560.88	4513.20	4545.22	4539.77	0.54	ppb
Iron	54-2	4550.75	4500.25	4525.40	4525.47	0.56	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02MSDDL2X25	Instrumnet Name :	P7
Client Sample ID :	50765MSDDL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-05 15:40:29	DataFile Name :	060SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	75.85	77.00	77.85	76.90	1.31	ppb
Lead	207-1	74.73	75.19	78.15	76.02	2.44	ppb
Lead	208-1	74.98	76.42	77.56	76.32	1.69	ppb
Lithium	6-1				113		%
Magnesium	24-2	1653.55	1656.42	1673.84	1661.27	0.66	ppb
Manganese	55-2	179.53	179.95	180.95	180.14	0.40	ppb
Molybdenum	94-1	76.36	76.51	78.35	77.07	1.44	ppb
Molybdenum	95-1	57.39	58.51	60.13	58.68	2.35	ppb
Molybdenum	96-1	59.64	59.90	61.68	60.41	1.84	ppb
Molybdenum	97-1	59.07	60.48	60.09	59.88	1.22	ppb
Molybdenum	98-1	58.12	58.45	59.38	58.65	1.11	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	22.84	23.10	23.09	23.01	0.63	ppb
Phosphorus	31-2	1158.57	1174.34	1217.23	1183.38	2.57	ppb
Potassium	39-2	6291.73	6282.02	6353.87	6309.21	0.62	ppb
Rhodium	103-1				114		%
Rhodium	103-2				115		%
Scandium	45-1				114		%
Scandium	45-2				111		%
Selenium	82-1	26.51	30.00	31.35	29.29	8.54	ppb
Selenium	77-2	36.61	35.72	31.31	34.55	8.22	ppb
Selenium	78-2	28.66	28.89	29.78	29.11	2.04	ppb
Silicon	28-1	418.27	437.73	436.52	430.84	2.53	ppb
Silver	107-1	2.78	2.83	2.71	2.77	2.31	ppb
Silver	109-1	2.64	2.81	2.78	2.74	3.37	ppb
Sodium	23-2	3364.44	3332.80	3362.58	3353.27	0.53	ppb
Strontium	86-1	19.30	19.36	19.73	19.46	1.19	ppb
Strontium	88-1	18.81	19.12	19.21	19.04	1.10	ppb
Sulfur	34-1	-201.49	-122.83	-393.76	-239.36		ppb
Terbium	159-1				116		%
Terbium	159-2				118		%
Thallium	203-1	15.27	15.30	15.70	15.42	1.58	ppb
Thallium	205-1	15.00	15.56	15.35	15.30	1.83	ppb
Tin	118-1	14.97	15.27	14.83	15.02	1.51	ppb
Titanium	47-1	0.61	0.61	0.67	0.63	4.96	ppb

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LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02MSDDL2X25	Instrumnet Name :	P7
Client Sample ID :	50765MSDDL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-05 15:40:29	DataFile Name :	060SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	13.29	13.42	14.16	13.62	3.44	ppb
Vanadium	51-2	17.44	17.22	17.37	17.34	0.66	ppb
Yttrium	89-1				117		%
Yttrium	89-2				114		%
Zinc	66-2	188.19	186.50	189.73	188.14	0.86	ppb
Zirconium	90-1	15.69	15.81	16.23	15.91	1.78	ppb
Zirconium	91-1	16.64	16.58	17.23	16.82	2.13	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02ADL2X25	Instrumnet Name :	P7
Client Sample ID :	50765ADL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-05 15:43:43	DataFile Name :	061SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	313.19	314.14	307.16	311.50	1.21	ppb
Antimony	121-1	16.73	16.69	16.73	16.72	0.13	ppb
Arsenic	75-2	41.63	41.02	41.79	41.48	0.97	ppb
Barium	135-1	72.74	72.79	73.23	72.92	0.37	ppb
Barium	137-1	72.95	72.34	71.66	72.32	0.90	ppb
Beryllium	9-1	18.33	18.52	19.24	18.69	2.56	ppb
Bismuth	209-1				106		%
Bismuth	209-2				110		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	18.74	18.52	18.69	18.65	0.62	ppb
Cadmium	106-1	16.09	16.73	17.46	16.76	4.09	ppb
Cadmium	111-1	20.08	19.46	19.25	19.60	2.20	ppb
Calcium	43-1	1660.45	1668.63	1701.57	1676.88	1.30	ppb
Calcium	44-1	1801.83	1821.03	1826.73	1816.53	0.72	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	17.42	17.08	16.92	17.14	1.47	ppb
Cobalt	59-2	16.81	16.61	16.87	16.77	0.81	ppb
Copper	63-2	156.88	154.56	156.43	155.96	0.79	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				115		%
Holmium	165-2				117		%
Indium	115-1				115		%
Indium	115-2				115		%
Iron	56-2	5089.30	5061.82	5165.47	5105.53	1.05	ppb
Iron	57-2	4416.83	4476.60	4470.95	4454.79	0.74	ppb
Iron	54-2	4415.92	4447.41	4452.29	4438.54	0.44	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02ADL2X25	Instrumnet Name :	P7
Client Sample ID :	50765ADL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-05 15:43:43	DataFile Name :	061SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	75.22	78.39	79.08	77.56	2.65	ppb
Lead	207-1	74.13	76.46	76.34	75.64	1.73	ppb
Lead	208-1	74.39	76.52	76.53	75.81	1.62	ppb
Lithium	6-1				113		%
Magnesium	24-2	1630.98	1626.25	1635.45	1630.89	0.28	ppb
Manganese	55-2	177.02	175.89	177.95	176.95	0.58	ppb
Molybdenum	94-1	73.69	75.95	76.47	75.37	1.96	ppb
Molybdenum	95-1	56.98	58.83	60.06	58.62	2.64	ppb
Molybdenum	96-1	58.19	60.37	60.52	59.69	2.18	ppb
Molybdenum	97-1	57.57	59.57	59.44	58.86	1.90	ppb
Molybdenum	98-1	56.67	58.68	59.65	58.33	2.61	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	22.66	22.40	22.72	22.59	0.76	ppb
Phosphorus	31-2	1175.01	1180.52	1102.65	1152.73	3.77	ppb
Potassium	39-2	6362.15	6172.54	6183.81	6239.50	1.70	ppb
Rhodium	103-1				113		%
Rhodium	103-2				114		%
Scandium	45-1				114		%
Scandium	45-2				111		%
Selenium	82-1	27.38	29.57	30.11	29.02	4.98	ppb
Selenium	77-2	30.69	29.33	36.03	32.02	11.07	ppb
Selenium	78-2	32.58	28.49	29.26	30.11	7.21	ppb
Silicon	28-1	390.23	427.02	431.88	416.38	5.47	ppb
Silver	107-1	2.74	2.77	2.78	2.76	0.77	ppb
Silver	109-1	2.78	2.67	2.72	2.72	1.95	ppb
Sodium	23-2	3330.31	3364.42	3372.65	3355.79	0.67	ppb
Strontium	86-1	19.03	19.35	20.01	19.46	2.57	ppb
Strontium	88-1	18.27	18.92	19.15	18.78	2.42	ppb
Sulfur	34-1	-64.58	-216.44	-327.96	-203.00		ppb
Terbium	159-1				114		%
Terbium	159-2				117		%
Thallium	203-1	15.08	15.65	15.69	15.47	2.19	ppb
Thallium	205-1	14.90	15.13	15.02	15.02	0.75	ppb
Tin	118-1	15.19	14.91	14.79	14.96	1.36	ppb
Titanium	47-1	0.65	0.74	0.52	0.64	16.82	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02ADL2X25	Instrumnet Name :	P7
Client Sample ID :	50765ADL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-05 15:43:43	DataFile Name :	061SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	12.90	13.59	13.91	13.47	3.85	ppb
Vanadium	51-2	17.09	16.92	16.81	16.94	0.83	ppb
Yttrium	89-1				115		%
Yttrium	89-2				113		%
Zinc	66-2	184.81	181.49	181.62	182.64	1.03	ppb
Zirconium	90-1	15.53	15.75	16.13	15.80	1.93	ppb
Zirconium	91-1	16.06	16.60	16.91	16.52	2.59	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02DL2X25	Instrumnet Name :	P7
Client Sample ID :	50765DL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-05 15:46:58	DataFile Name :	062SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	12.19	11.86	11.53	11.86	2.81	ppb
Antimony	121-1	0.21	0.23	0.20	0.21	7.19	ppb
Arsenic	75-2	3.57	3.88	3.72	3.73	4.13	ppb
Barium	135-1	0.24	0.20	0.27	0.24	14.83	ppb
Barium	137-1	0.20	0.23	0.22	0.22	7.62	ppb
Beryllium	9-1	0.00	0.00	0.00	0.00	190.00	ppb
Bismuth	209-1				106		%
Bismuth	209-2				110		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.02	-0.04	-0.04	-0.02		ppb
Cadmium	106-1	-2.85	-3.99	-4.01	-3.62		ppb
Cadmium	111-1	-0.19	-0.27	-0.27	-0.24		ppb
Calcium	43-1	68.11	69.08	75.74	70.98	5.85	ppb
Calcium	44-1	210.52	209.30	216.05	211.96	1.70	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.92	0.85	0.77	0.85	8.48	ppb
Cobalt	59-2	0.05	0.05	0.06	0.05	12.04	ppb
Copper	63-2	1.35	1.36	1.38	1.36	1.33	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				113		%
Holmium	165-2				115		%
Indium	115-1				113		%
Indium	115-2				115		%
Iron	56-2	4328.82	4460.48	4355.08	4381.46	1.59	ppb
Iron	57-2	3844.12	3855.96	3833.01	3844.36	0.30	ppb
Iron	54-2	3824.24	3843.57	3808.84	3825.55	0.45	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02DL2X25	Instrumnet Name :	P7
Client Sample ID :	50765DL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-05 15:46:58	DataFile Name :	062SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.92	0.94	0.94	0.93	1.48	ppb
Lead	207-1	0.86	0.86	0.88	0.87	1.20	ppb
Lead	208-1	0.87	0.90	0.91	0.89	2.64	ppb
Lithium	6-1				112		%
Magnesium	24-2	17.68	18.59	18.40	18.22	2.64	ppb
Manganese	55-2	26.91	27.39	26.74	27.01	1.24	ppb
Molybdenum	94-1	0.89	0.89	0.84	0.87	3.66	ppb
Molybdenum	95-1	0.94	0.96	0.97	0.96	1.69	ppb
Molybdenum	96-1	0.98	0.97	0.94	0.96	1.90	ppb
Molybdenum	97-1	1.04	1.04	1.04	1.04	0.28	ppb
Molybdenum	98-1	0.99	1.00	0.97	0.99	1.62	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	3.16	3.26	3.14	3.19	1.93	ppb
Phosphorus	31-2	1180.21	1177.37	1130.15	1162.58	2.42	ppb
Potassium	39-2	5582.38	5573.30	5584.04	5579.90	0.10	ppb
Rhodium	103-1				113		%
Rhodium	103-2				113		%
Scandium	45-1				113		%
Scandium	45-2				109		%
Selenium	82-1	12.45	13.71	15.08	13.74	9.56	ppb
Selenium	77-2	16.33	18.65	17.61	17.53	6.63	ppb
Selenium	78-2	12.99	12.35	11.24	12.19	7.25	ppb
Silicon	28-1	419.72	432.10	456.09	435.97	4.24	ppb
Silver	107-1	0.01	0.01	0.01	0.01	6.39	ppb
Silver	109-1	0.01	0.02	0.02	0.01	19.44	ppb
Sodium	23-2	1235.96	1259.21	1239.39	1244.85	1.01	ppb
Strontium	86-1	0.25	0.13	0.20	0.20	30.59	ppb
Strontium	88-1	0.19	0.20	0.21	0.20	4.90	ppb
Sulfur	34-1	72.60	-258.29	-159.27	-114.99		ppb
Terbium	159-1				114		%
Terbium	159-2				114		%
Thallium	203-1	0.01	0.00	0.01	0.00	60.61	ppb
Thallium	205-1	0.01	0.00	0.01	0.01	37.03	ppb
Tin	118-1	0.13	0.13	0.12	0.13	4.23	ppb
Titanium	47-1	0.59	0.52	0.51	0.54	7.80	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02DL2X25	Instrumnet Name :	P7
Client Sample ID :	50765DL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-05 15:46:58	DataFile Name :	062SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	18.12	ppb
Vanadium	51-2	0.04	0.04	0.05	0.05	8.35	ppb
Yttrium	89-1				115		%
Yttrium	89-2				113		%
Zinc	66-2	24.78	25.35	25.83	25.32	2.08	ppb
Zirconium	90-1	0.03	0.03	0.03	0.03	10.07	ppb
Zirconium	91-1	0.06	0.01	0.03	0.03	77.23	ppb

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-02DLX5	Instrumnet Name :	P7
Client Sample ID :	4023DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 15:56:12	DataFile Name :	065SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	54.14	51.89	53.10	53.04	2.13	ppb
Antimony	121-1	0.38	0.37	0.39	0.38	2.65	ppb
Arsenic	75-2	1.17	1.09	1.12	1.12	3.50	ppb
Barium	135-1	7.05	7.01	7.36	7.14	2.70	ppb
Barium	137-1	7.10	7.12	7.28	7.17	1.34	ppb
Beryllium	9-1	0.03	0.03	0.03	0.03	14.08	ppb
Bismuth	209-1				104		%
Bismuth	209-2				108		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.08	0.14	0.21	0.14	44.97	ppb
Cadmium	106-1	-3.27	-2.57	-3.01	-2.95		ppb
Cadmium	111-1	-0.12	-0.11	-0.13	-0.12		ppb
Calcium	43-1	6721.41	6619.56	6605.11	6648.69	0.95	ppb
Calcium	44-1	7630.97	7557.68	7557.47	7582.04	0.56	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.44	0.40	0.44	0.43	5.29	ppb
Cobalt	59-2	0.24	0.21	0.19	0.21	11.66	ppb
Copper	63-2	10.28	10.15	10.08	10.17	1.01	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				112		%
Holmium	165-2				114		%
Indium	115-1				109		%
Indium	115-2				112		%
Iron	56-2	345.74	343.58	347.61	345.65	0.58	ppb
Iron	57-2	378.79	372.56	391.95	381.10	2.60	ppb
Iron	54-2	348.23	332.77	341.80	340.93	2.28	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-02DLX5	Instrumnet Name :	P7
Client Sample ID :	4023DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 15:56:12	DataFile Name :	065SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	14.72	15.37	15.10	15.07	2.15	ppb
Lead	207-1	14.07	14.49	13.91	14.16	2.12	ppb
Lead	208-1	14.33	14.68	14.46	14.49	1.24	ppb
Lithium	6-1				111		%
Magnesium	24-2	817.76	800.53	822.18	813.49	1.41	ppb
Manganese	55-2	33.65	33.10	33.43	33.40	0.82	ppb
Molybdenum	94-1	1.66	1.57	1.58	1.60	3.16	ppb
Molybdenum	95-1	1.56	1.54	1.47	1.52	3.13	ppb
Molybdenum	96-1	1.59	1.52	1.54	1.55	2.32	ppb
Molybdenum	97-1	1.63	1.57	1.44	1.54	6.34	ppb
Molybdenum	98-1	1.57	1.56	1.51	1.55	2.16	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.69	1.64	1.78	1.70	3.98	ppb
Phosphorus	31-2	6.77	0.43	0.51	2.57	141.48	ppb
Potassium	39-2	11196.32	11124.84	11707.48	11342.88	2.80	ppb
Rhodium	103-1				110		%
Rhodium	103-2				110		%
Scandium	45-1				110		%
Scandium	45-2				108		%
Selenium	82-1	2.99	2.33	1.14	2.15	43.47	ppb
Selenium	77-2	2.75	3.23	1.84	2.61	26.98	ppb
Selenium	78-2	-0.09	2.63	1.32	1.29	105.74	ppb
Silicon	28-1	1236.23	1233.28	1188.20	1219.24	2.21	ppb
Silver	107-1	0.06	0.05	0.04	0.05	18.35	ppb
Silver	109-1	0.06	0.04	0.04	0.05	27.55	ppb
Sodium	23-2	58711.08	57194.04	57931.98	57945.70	1.31	ppb
Strontium	86-1	23.10	23.64	22.39	23.04	2.72	ppb
Strontium	88-1	22.36	22.77	22.30	22.48	1.14	ppb
Sulfur	34-1	1373.50	1410.62	1144.20	1309.44	11.02	ppb
Terbium	159-1				114		%
Terbium	159-2				115		%
Thallium	203-1	0.03	0.02	0.01	0.02	44.01	ppb
Thallium	205-1	0.02	0.02	0.02	0.02	15.58	ppb
Tin	118-1	0.71	0.70	0.66	0.69	4.14	ppb
Titanium	47-1	2.61	2.50	2.46	2.52	3.04	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-02DLX5	Instrumnet Name :	P7
Client Sample ID :	4023DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 15:56:12	DataFile Name :	065SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.06	0.05	0.05	0.06	5.67	ppb
Vanadium	51-2	0.50	0.47	0.44	0.47	6.71	ppb
Yttrium	89-1				112		%
Yttrium	89-2				111		%
Zinc	66-2	106.49	102.19	103.76	104.15	2.09	ppb
Zirconium	90-1	0.18	0.17	0.18	0.18	0.85	ppb
Zirconium	91-1	0.20	0.20	0.19	0.20	2.03	ppb

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LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-04DLX5	Instrumnet Name :	P7
Client Sample ID :	4044DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 15:59:27	DataFile Name :	066SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	187.90	185.99	189.90	187.93	1.04	ppb
Antimony	121-1	5.39	5.73	5.61	5.58	3.12	ppb
Arsenic	75-2	17.55	18.03	19.86	18.48	6.59	ppb
Barium	135-1	26.93	28.17	27.95	27.68	2.37	ppb
Barium	137-1	26.67	27.56	27.27	27.17	1.68	ppb
Beryllium	9-1	0.02	0.03	0.01	0.02	54.63	ppb
Bismuth	209-1				87		%
Bismuth	209-2				87		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	92.83	100.22	93.16	95.40	4.37	ppb
Cadmium	106-1	-3.21	-2.03	-2.17	-2.47		ppb
Cadmium	111-1	3.38	3.29	3.32	3.33	1.37	ppb
Calcium	43-1	1472.02	1512.70	1550.29	1511.67	2.59	ppb
Calcium	44-1	2016.54	2096.85	2096.91	2070.10	2.24	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.81	2.62	2.68	2.71	3.58	ppb
Cobalt	59-2	0.25	0.23	0.24	0.24	6.03	ppb
Copper	63-2	37.56	37.41	38.28	37.75	1.24	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				98		%
Holmium	165-2				98		%
Indium	115-1				94		%
Indium	115-2				94		%
Iron	56-2	108.37	108.38	110.48	109.08	1.12	ppb
Iron	57-2	117.00	116.14	125.56	119.57	4.35	ppb
Iron	54-2	112.15	115.61	114.56	114.11	1.55	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-04DLX5	Instrumnet Name :	P7
Client Sample ID :	4044DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 15:59:27	DataFile Name :	066SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2.26	2.39	2.29	2.31	2.77	ppb
Lead	207-1	2.15	2.16	2.19	2.17	1.15	ppb
Lead	208-1	2.20	2.23	2.22	2.22	0.69	ppb
Lithium	6-1				95		%
Magnesium	24-2	739.13	747.60	736.47	741.06	0.78	ppb
Manganese	55-2	135.41	135.28	136.05	135.58	0.30	ppb
Molybdenum	94-1	20336.31	20540.70	20712.94	20529.98	0.92	ppb
Molybdenum	95-1	24379.84	24928.76	25260.56	24856.39	1.79	ppb
Molybdenum	96-1	24091.97	24442.99	24695.24	24410.06	1.24	ppb
Molybdenum	97-1	24350.10	24928.72	25253.05	24843.95	1.84	ppb
Molybdenum	98-1	24513.33	25054.45	25447.99	25005.26	1.88	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.75	0.73	0.65	0.71	7.14	ppb
Phosphorus	31-2	8034.70	8111.89	8053.24	8066.61	0.50	ppb
Potassium	39-2	931035.78	964235.83	946222.69	947164.76	1.75	ppb
Rhodium	103-1				91		%
Rhodium	103-2				92		%
Scandium	45-1				96		%
Scandium	45-2				93		%
Selenium	82-1	35.48	40.79	42.33	39.53	9.09	ppb
Selenium	77-2	40.92	46.04	44.24	43.74	5.94	ppb
Selenium	78-2	42.00	42.54	45.39	43.31	4.21	ppb
Silicon	28-1	3173.00	3530.79	3662.01	3455.27	7.33	ppb
Silver	107-1	0.08	0.10	0.09	0.09	7.18	ppb
Silver	109-1	0.08	0.10	0.11	0.10	14.89	ppb
Sodium	23-2	431519.44	441186.42	430313.54	434339.80	1.37	ppb
Strontium	86-1	35.53	35.94	37.08	36.18	2.22	ppb
Strontium	88-1	34.37	35.05	35.64	35.02	1.82	ppb
Sulfur	34-1	6129.55	6010.89	5847.10	5995.85	2.37	ppb
Terbium	159-1				96		%
Terbium	159-2				98		%
Thallium	203-1	0.17	0.20	0.18	0.18	8.91	ppb
Thallium	205-1	0.17	0.18	0.19	0.18	6.07	ppb
Tin	118-1	0.67	0.86	0.83	0.79	13.03	ppb
Titanium	47-1	3.10	3.14	2.89	3.04	4.42	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-04DLX5	Instrumnet Name :	P7
Client Sample ID :	4044DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 15:59:27	DataFile Name :	066SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.01	0.01	0.01	15.42	ppb
Vanadium	51-2	2.74	2.72	2.82	2.76	1.98	ppb
Yttrium	89-1				96		%
Yttrium	89-2				94		%
Zinc	66-2	240.57	246.06	242.20	242.94	1.16	ppb
Zirconium	90-1	0.13	0.10	0.12	0.12	11.94	ppb
Zirconium	91-1	0.16	0.13	0.15	0.14	10.33	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2739-01DLX5	Instrumnet Name :	P7
Client Sample ID :	50743DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 16:02:38	DataFile Name :	067SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	525.05	531.49	526.28	527.61	0.65	ppb
Antimony	121-1	0.49	0.50	0.48	0.49	1.74	ppb
Arsenic	75-2	11.67	12.54	12.87	12.36	5.01	ppb
Barium	135-1	63.62	65.47	63.82	64.30	1.58	ppb
Barium	137-1	61.91	62.11	62.16	62.06	0.21	ppb
Beryllium	9-1	0.01	0.01	0.02	0.02	49.70	ppb
Bismuth	209-1				118		%
Bismuth	209-2				119		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.29	0.15	0.04	0.16	80.21	ppb
Cadmium	106-1	-2.20	-2.74	-2.14	-2.36		ppb
Cadmium	111-1	-0.08	-0.09	-0.07	-0.08		ppb
Calcium	43-1	3936.38	3832.83	3884.15	3884.45	1.33	ppb
Calcium	44-1	4764.79	4801.78	4810.03	4792.20	0.50	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	9.08	9.20	9.15	9.14	0.66	ppb
Cobalt	59-2	1.33	1.34	1.27	1.31	2.72	ppb
Copper	63-2	7.51	7.61	7.87	7.66	2.36	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				130		%
Holmium	165-2				128		%
Indium	115-1				128		%
Indium	115-2				124		%
Iron	56-2	223256.16	231589.51	232054.32	228966.66	2.16	ppb
Iron	57-2	226757.01	233563.98	229165.61	229828.86	1.50	ppb
Iron	54-2	229138.30	230616.29	231865.68	230540.09	0.59	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2739-01DLX5	Instrumnet Name :	P7
Client Sample ID :	50743DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 16:02:38	DataFile Name :	067SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	14.04	14.69	14.27	14.33	2.28	ppb
Lead	207-1	13.17	13.66	13.53	13.45	1.91	ppb
Lead	208-1	13.79	13.90	13.88	13.85	0.44	ppb
Lithium	6-1				124		%
Magnesium	24-2	1002.01	1019.69	1025.70	1015.80	1.21	ppb
Manganese	55-2	1189.72	1230.74	1208.70	1209.72	1.70	ppb
Molybdenum	94-1	2.18	1.98	2.08	2.08	4.60	ppb
Molybdenum	95-1	1.77	1.69	1.59	1.68	5.20	ppb
Molybdenum	96-1	2.76	2.70	2.63	2.70	2.36	ppb
Molybdenum	97-1	1.84	1.71	1.66	1.74	5.35	ppb
Molybdenum	98-1	1.72	1.67	1.55	1.65	5.26	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	4.15	4.11	4.13	4.13	0.40	ppb
Phosphorus	31-2	1494.38	1457.77	1451.98	1468.05	1.57	ppb
Potassium	39-2	156168.69	158172.14	157865.76	157402.20	0.69	ppb
Rhodium	103-1				123		%
Rhodium	103-2				123		%
Scandium	45-1				127		%
Scandium	45-2				121		%
Selenium	82-1	19.62	21.59	22.00	21.07	6.04	ppb
Selenium	77-2	22.94	23.48	24.46	23.63	3.26	ppb
Selenium	78-2	21.74	22.02	24.62	22.79	6.98	ppb
Silicon	28-1	1231.09	1307.51	1302.39	1280.33	3.34	ppb
Silver	107-1	0.02	0.03	0.02	0.02	11.34	ppb
Silver	109-1	0.02	0.02	0.03	0.02	12.06	ppb
Sodium	23-2	11856.28	11914.99	12195.07	11988.78	1.51	ppb
Strontium	86-1	38.27	39.17	38.33	38.59	1.30	ppb
Strontium	88-1	37.51	37.41	38.21	37.71	1.15	ppb
Sulfur	34-1	-1702.61	-1641.90	-1599.73	-1648.08		ppb
Terbium	159-1				125		%
Terbium	159-2				128		%
Thallium	203-1	0.04	0.04	0.06	0.05	20.09	ppb
Thallium	205-1	0.05	0.06	0.05	0.05	14.51	ppb
Tin	118-1	0.68	0.67	0.69	0.68	1.60	ppb
Titanium	47-1	9.17	8.70	8.62	8.83	3.39	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2739-01DLX5	Instrumnet Name :	P7
Client Sample ID :	50743DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 16:02:38	DataFile Name :	067SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.02	0.02	0.02	0.02	14.25	ppb
Vanadium	51-2	1.27	1.35	1.33	1.32	3.18	ppb
Yttrium	89-1				129		%
Yttrium	89-2				124		%
Zinc	66-2	145.10	148.69	151.11	148.30	2.04	ppb
Zirconium	90-1	0.34	0.33	0.35	0.34	2.48	ppb
Zirconium	91-1	0.36	0.36	0.38	0.37	3.82	ppb

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCV04	Instrumnet Name :	P7
Client Sample ID :	CCV04	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 16:05:52	DataFile Name :	068CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	49719.01	49411.36	49678.15	49602.84	0.34	ppb
Antimony	121-1	518.98	525.73	534.21	526.31	1.45	ppb
Arsenic	75-2	502.08	495.94	494.38	497.46	0.82	ppb
Barium	135-1	2616.57	2671.08	2635.41	2641.02	1.05	ppb
Barium	137-1	2554.68	2547.02	2659.22	2586.97	2.42	ppb
Beryllium	9-1	504.08	513.01	511.06	509.38	0.92	ppb
Bismuth	209-1				104		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	504.62	511.03	509.05	508.24	0.65	ppb
Cadmium	106-1	500.65	499.40	500.12	500.06	0.12	ppb
Cadmium	111-1	499.06	503.97	508.24	503.76	0.91	ppb
Calcium	43-1	246527.89	252604.94	250231.16	249788.00	1.23	ppb
Calcium	44-1	243413.81	249989.43	252394.45	248599.23	1.87	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	520.26	516.13	515.08	517.16	0.53	ppb
Cobalt	59-2	498.83	505.71	507.43	503.99	0.90	ppb
Copper	63-2	4935.60	4965.72	4939.28	4946.87	0.33	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				118		%
Holmium	165-2				120		%
Indium	115-1				115		%
Indium	115-2				113		%
Iron	56-2	133198.51	130980.08	128908.94	131029.18	1.64	ppb
Iron	57-2	130264.36	130279.92	129555.37	130033.22	0.32	ppb
Iron	54-2	130801.66	130113.01	130604.07	130506.25	0.27	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCV04	Instrumnet Name :	P7
Client Sample ID :	CCV04	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 16:05:52	DataFile Name :	068CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2602.54	2617.34	2589.83	2603.24	0.53	ppb
Lead	207-1	2568.46	2532.53	2569.03	2556.67	0.82	ppb
Lead	208-1	2562.99	2567.14	2560.54	2563.56	0.13	ppb
Lithium	6-1				112		%
Magnesium	24-2	244428.76	250656.19	244416.62	246500.52	1.46	ppb
Manganese	55-2	5152.09	5118.27	5034.30	5101.55	1.19	ppb
Molybdenum	94-1	4999.65	4994.85	5151.01	5048.50	1.76	ppb
Molybdenum	95-1	5037.92	5053.72	5031.77	5041.14	0.22	ppb
Molybdenum	96-1	4973.03	5067.61	4995.85	5012.16	0.98	ppb
Molybdenum	97-1	4976.27	5060.56	5054.50	5030.44	0.93	ppb
Molybdenum	98-1	4933.69	5082.01	4988.22	5001.31	1.50	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	497.11	490.80	488.00	491.97	0.95	ppb
Phosphorus	31-2	10277.76	10121.67	10119.14	10172.85	0.89	ppb
Potassium	39-2	126581.05	125260.19	125455.84	125765.69	0.57	ppb
Rhodium	103-1				112		%
Rhodium	103-2				110		%
Scandium	45-1				120		%
Scandium	45-2				114		%
Selenium	82-1	493.28	483.11	498.11	491.50	1.56	ppb
Selenium	77-2	518.06	498.87	495.76	504.23	2.40	ppb
Selenium	78-2	476.92	482.89	496.74	485.51	2.09	ppb
Silicon	28-1	1096.02	1123.09	1114.69	1111.27	1.25	ppb
Silver	107-1	518.42	515.22	507.16	513.60	1.13	ppb
Silver	109-1	503.29	510.63	514.41	509.45	1.11	ppb
Sodium	23-2	247015.39	244695.33	246914.65	246208.46	0.53	ppb
Strontium	86-1	442.06	445.51	448.39	445.32	0.71	ppb
Strontium	88-1	511.22	510.44	524.55	515.40	1.54	ppb
Sulfur	34-1	7423.66	7630.07	7193.22	7415.65	2.95	ppb
Terbium	159-1				118		%
Terbium	159-2				118		%
Thallium	203-1	526.24	534.13	533.56	531.31	0.83	ppb
Thallium	205-1	518.54	530.86	522.06	523.82	1.21	ppb
Tin	118-1	519.25	529.46	537.76	528.83	1.75	ppb
Titanium	47-1	4932.16	5019.92	5014.29	4988.79	0.98	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCV04	Instrumnet Name :	P7
Client Sample ID :	CCV04	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 16:05:52	DataFile Name :	068CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	486.57	503.95	494.16	494.90	1.76	ppb
Vanadium	51-2	529.92	532.63	507.82	523.46	2.60	ppb
Yttrium	89-1				122		%
Yttrium	89-2				117		%
Zinc	66-2	5029.98	4991.44	4923.44	4981.62	1.08	ppb
Zirconium	90-1	515.47	516.46	509.86	513.93	0.69	ppb
Zirconium	91-1	519.92	524.94	531.09	525.32	1.06	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCB04	Instrumnet Name :	P7
Client Sample ID :	CCB04	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 16:08:36	DataFile Name :	069CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-1.61	-1.01	-1.54	-1.39		ppb
Antimony	121-1	0.14	0.15	0.15	0.15	3.34	ppb
Arsenic	75-2	0.38	0.42	0.30	0.37	16.94	ppb
Barium	135-1	0.01	0.02	0.01	0.01	61.33	ppb
Barium	137-1	0.00	0.02	0.00	0.01	235.14	ppb
Beryllium	9-1	0.01	0.02	0.01	0.01	55.44	ppb
Bismuth	209-1				106		%
Bismuth	209-2				108		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.04	-0.01	0.05	0.00		ppb
Cadmium	106-1	-4.15	-2.98	-2.51	-3.21		ppb
Cadmium	111-1	-0.27	-0.17	-0.16	-0.20		ppb
Calcium	43-1	-8.08	-3.94	-6.72	-6.25		ppb
Calcium	44-1	63.73	59.62	59.64	61.00	3.88	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.05	0.07	0.05	0.06	17.80	ppb
Cobalt	59-2	-0.01	0.00	0.00	0.00		ppb
Copper	63-2	-0.11	-0.08	-0.12	-0.10		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				115		%
Holmium	165-2				113		%
Indium	115-1				114		%
Indium	115-2				112		%
Iron	56-2	3.93	2.34	2.06	2.78	36.35	ppb
Iron	57-2	3.46	2.76	2.23	2.82	21.94	ppb
Iron	54-2	5.31	2.80	1.86	3.32	53.72	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCB04	Instrumnet Name :	P7
Client Sample ID :	CCB04	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 16:08:36	DataFile Name :	069CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.04	0.03	0.03	0.03	27.43	ppb
Lead	207-1	0.03	0.03	0.02	0.03	8.86	ppb
Lead	208-1	0.04	0.04	0.04	0.04	3.63	ppb
Lithium	6-1				110		%
Magnesium	24-2	2.38	1.57	1.70	1.89	23.10	ppb
Manganese	55-2	0.40	0.34	0.48	0.41	17.63	ppb
Molybdenum	94-1	0.25	0.22	0.23	0.23	7.97	ppb
Molybdenum	95-1	0.19	0.18	0.17	0.18	6.77	ppb
Molybdenum	96-1	0.21	0.19	0.18	0.19	7.82	ppb
Molybdenum	97-1	0.21	0.23	0.14	0.19	24.74	ppb
Molybdenum	98-1	0.19	0.19	0.16	0.18	8.64	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.08	0.08	0.14	0.10	36.30	ppb
Phosphorus	31-2	-53.41	-54.83	-55.00	-54.41		ppb
Potassium	39-2	55.79	51.50	51.89	53.06	4.47	ppb
Rhodium	103-1				114		%
Rhodium	103-2				112		%
Scandium	45-1				113		%
Scandium	45-2				108		%
Selenium	82-1	3.67	4.36	3.73	3.92	9.80	ppb
Selenium	77-2	3.01	3.18	4.75	3.65	26.30	ppb
Selenium	78-2	2.31	4.17	4.18	3.55	30.36	ppb
Silicon	28-1	131.00	127.96	116.04	125.00	6.33	ppb
Silver	107-1	0.04	0.04	0.03	0.04	21.58	ppb
Silver	109-1	0.04	0.04	0.02	0.03	31.50	ppb
Sodium	23-2	64.52	62.72	61.16	62.80	2.68	ppb
Strontium	86-1	-0.04	0.01	-0.06	-0.03		ppb
Strontium	88-1	0.00	0.00	0.00	0.00	156.55	ppb
Sulfur	34-1	-2318.33	-2320.65	-2395.11	-2344.70		ppb
Terbium	159-1				114		%
Terbium	159-2				115		%
Thallium	203-1	0.04	0.04	0.02	0.03	29.98	ppb
Thallium	205-1	0.03	0.03	0.02	0.03	19.41	ppb
Tin	118-1	-0.04	-0.02	-0.09	-0.05		ppb
Titanium	47-1	0.00	-0.02	0.02	0.00	24519.37	ppb

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LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCB04	Instrumnet Name :	P7
Client Sample ID :	CCB04	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 16:08:36	DataFile Name :	069CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.00	0.01	0.01	28.44	ppb
Vanadium	51-2	0.01	0.01	0.00	0.01	47.03	ppb
Yttrium	89-1				115		%
Yttrium	89-2				113		%
Zinc	66-2	0.00	-0.06	-0.02	-0.03		ppb
Zirconium	90-1	0.04	0.04	0.04	0.04	8.45	ppb
Zirconium	91-1	0.04	0.04	0.04	0.04	8.56	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-03A	Instrumnet Name :	P7
Client Sample ID :	4043A	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 16:13:09	DataFile Name :	070SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	3012.48	2973.42	2966.13	2984.01	0.84	ppb
Antimony	121-1	6.70	6.87	6.84	6.80	1.36	ppb
Arsenic	75-2	13.18	12.10	12.81	12.70	4.34	ppb
Barium	135-1	77.55	79.25	78.60	78.47	1.09	ppb
Barium	137-1	76.84	78.38	76.73	77.31	1.19	ppb
Beryllium	9-1	0.27	0.28	0.29	0.28	3.97	ppb
Bismuth	209-1				114		%
Bismuth	209-2				113		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.31	2.56	2.42	2.43	5.15	ppb
Cadmium	106-1	-2.07	-0.85	-0.73	-1.22		ppb
Cadmium	111-1	1.62	1.77	1.74	1.71	4.59	ppb
Calcium	43-1	24588.46	24826.22	24887.21	24767.29	0.64	ppb
Calcium	44-1	28322.90	28281.47	27969.14	28191.17	0.69	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	15.87	15.80	15.74	15.80	0.40	ppb
Cobalt	59-2	3.01	3.04	3.08	3.04	1.06	ppb
Copper	63-2	132.10	132.44	131.74	132.09	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				123		%
Holmium	165-2				121		%
Indium	115-1				121		%
Indium	115-2				120		%
Iron	56-2	17605.28	17704.82	17271.03	17527.05	1.30	ppb
Iron	57-2	17285.94	17451.71	16978.54	17238.73	1.39	ppb
Iron	54-2	17792.95	17683.07	17494.43	17656.82	0.86	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-03A	Instrumnet Name :	P7
Client Sample ID :	4043A	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 16:13:09	DataFile Name :	070SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1250.68	1238.43	1229.13	1239.42	0.87	ppb
Lead	207-1	1164.88	1145.58	1148.75	1153.07	0.90	ppb
Lead	208-1	1212.58	1178.06	1178.87	1189.84	1.66	ppb
Lithium	6-1				118		%
Magnesium	24-2	8357.32	8193.82	7889.21	8146.78	2.92	ppb
Manganese	55-2	178.75	178.06	177.94	178.25	0.25	ppb
Molybdenum	94-1	19.46	19.66	19.48	19.53	0.55	ppb
Molybdenum	95-1	20.33	20.12	20.13	20.20	0.58	ppb
Molybdenum	96-1	20.05	20.14	19.86	20.02	0.71	ppb
Molybdenum	97-1	20.65	20.32	20.32	20.43	0.94	ppb
Molybdenum	98-1	20.35	20.26	20.03	20.22	0.83	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	17.08	17.25	17.28	17.21	0.62	ppb
Phosphorus	31-2	617.27	619.87	576.10	604.41	4.06	ppb
Potassium	39-2	16736.12	16476.82	16255.19	16489.38	1.46	ppb
Rhodium	103-1				121		%
Rhodium	103-2				117		%
Scandium	45-1				122		%
Scandium	45-2				115		%
Selenium	82-1	3.90	4.35	4.03	4.09	5.67	ppb
Selenium	77-2	5.42	7.64	3.75	5.60	34.75	ppb
Selenium	78-2	3.04	4.33	3.69	3.69	17.53	ppb
Silicon	28-1	9882.75	9964.85	9920.81	9922.80	0.41	ppb
Silver	107-1	0.27	0.28	0.25	0.27	6.20	ppb
Silver	109-1	0.25	0.26	0.24	0.25	4.05	ppb
Sodium	23-2	54735.70	54182.41	52824.79	53914.30	1.82	ppb
Strontium	86-1	190.40	187.29	185.16	187.62	1.41	ppb
Strontium	88-1	217.65	217.70	214.36	216.57	0.88	ppb
Sulfur	34-1	13814.01	13654.04	13673.91	13713.98	0.64	ppb
Terbium	159-1				122		%
Terbium	159-2				122		%
Thallium	203-1	0.05	0.05	0.05	0.05	3.49	ppb
Thallium	205-1	0.04	0.05	0.05	0.05	6.21	ppb
Tin	118-1	3.73	3.78	3.72	3.74	0.80	ppb
Titanium	47-1	112.38	112.78	112.28	112.48	0.23	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-03A	Instrumnet Name :	P7
Client Sample ID :	4043A	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 16:13:09	DataFile Name :	070SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.22	0.21	0.21	0.21	2.41	ppb
Vanadium	51-2	11.86	11.94	11.91	11.90	0.31	ppb
Yttrium	89-1				126		%
Yttrium	89-2				118		%
Zinc	66-2	780.58	786.97	774.69	780.75	0.79	ppb
Zirconium	90-1	1.81	1.69	1.69	1.73	4.07	ppb
Zirconium	91-1	1.79	1.62	1.73	1.71	5.09	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-03DUP	Instrumnet Name :	P7
Client Sample ID :	4043DUP	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 16:16:14	DataFile Name :	071SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1949.02	1978.12	1960.05	1962.40	0.75	ppb
Antimony	121-1	6.48	6.58	6.72	6.59	1.80	ppb
Arsenic	75-2	11.63	11.89	11.39	11.63	2.14	ppb
Barium	135-1	73.63	74.86	75.56	74.68	1.31	ppb
Barium	137-1	73.85	73.83	75.73	74.47	1.47	ppb
Beryllium	9-1	0.19	0.23	0.23	0.22	9.39	ppb
Bismuth	209-1				114		%
Bismuth	209-2				114		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.35	2.39	2.00	2.25	9.57	ppb
Cadmium	106-1	-0.52	-1.41	-0.76	-0.90		ppb
Cadmium	111-1	1.76	1.72	1.78	1.75	1.87	ppb
Calcium	43-1	24429.08	24349.11	24075.33	24284.51	0.76	ppb
Calcium	44-1	27605.26	28740.84	26868.75	27738.28	3.40	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	14.26	13.77	14.20	14.08	1.91	ppb
Cobalt	59-2	2.87	2.77	2.85	2.83	1.89	ppb
Copper	63-2	129.47	130.10	130.85	130.14	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				126		%
Holmium	165-2				125		%
Indium	115-1				123		%
Indium	115-2				121		%
Iron	56-2	16364.13	15998.49	16826.71	16396.44	2.53	ppb
Iron	57-2	16284.49	16179.98	14328.81	15597.76	7.05	ppb
Iron	54-2	16836.29	16209.13	16285.49	16443.64	2.08	ppb
Krypton	83-1						cps

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On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-03DUP	Instrumnet Name :	P7
Client Sample ID :	4043DUP	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 16:16:14	DataFile Name :	071SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1234.55	1230.84	1234.50	1233.29	0.17	ppb
Lead	207-1	1172.33	1130.85	1201.51	1168.23	3.04	ppb
Lead	208-1	1182.09	1171.95	1209.79	1187.94	1.65	ppb
Lithium	6-1				118		%
Magnesium	24-2	7632.38	7784.70	7552.35	7656.48	1.54	ppb
Manganese	55-2	184.61	183.85	183.67	184.04	0.27	ppb
Molybdenum	94-1	7.34	7.78	7.59	7.57	2.90	ppb
Molybdenum	95-1	7.39	7.40	7.58	7.45	1.43	ppb
Molybdenum	96-1	7.44	7.33	7.58	7.45	1.68	ppb
Molybdenum	97-1	7.44	7.52	7.58	7.51	0.99	ppb
Molybdenum	98-1	7.34	7.38	7.51	7.41	1.17	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	16.43	16.62	16.86	16.64	1.30	ppb
Phosphorus	31-2	594.91	575.38	573.00	581.09	2.07	ppb
Potassium	39-2	15992.74	15431.28	15973.77	15799.26	2.02	ppb
Rhodium	103-1				121		%
Rhodium	103-2				120		%
Scandium	45-1				123		%
Scandium	45-2				117		%
Selenium	82-1	3.80	2.78	3.65	3.41	16.17	ppb
Selenium	77-2	3.79	6.29	5.02	5.03	24.88	ppb
Selenium	78-2	1.74	1.68	3.24	2.22	39.77	ppb
Silicon	28-1	6955.83	7623.35	7299.60	7292.93	4.58	ppb
Silver	107-1	0.26	0.27	0.30	0.28	6.67	ppb
Silver	109-1	0.28	0.26	0.27	0.27	3.29	ppb
Sodium	23-2	51401.02	51557.04	51197.36	51385.14	0.35	ppb
Strontium	86-1	179.10	183.74	181.57	181.47	1.28	ppb
Strontium	88-1	206.79	210.31	214.14	210.41	1.75	ppb
Sulfur	34-1	13306.75	13663.82	12965.29	13311.95	2.62	ppb
Terbium	159-1				122		%
Terbium	159-2				125		%
Thallium	203-1	0.04	0.03	0.04	0.03	13.04	ppb
Thallium	205-1	0.03	0.04	0.04	0.04	16.81	ppb
Tin	118-1	6.82	6.92	7.14	6.96	2.36	ppb
Titanium	47-1	84.23	79.37	78.42	80.67	3.86	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-03DUP	Instrumnet Name :	P7
Client Sample ID :	4043DUP	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 16:16:14	DataFile Name :	071SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.21	0.20	0.22	0.21	6.40	ppb
Vanadium	51-2	8.68	8.87	8.70	8.75	1.19	ppb
Yttrium	89-1				127		%
Yttrium	89-2				121		%
Zinc	66-2	771.66	760.82	762.08	764.85	0.78	ppb
Zirconium	90-1	0.78	0.74	0.80	0.77	4.32	ppb
Zirconium	91-1	0.71	0.85	0.87	0.81	10.88	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-03LX5	Instrumnet Name :	P7
Client Sample ID :	4043L	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 16:19:23	DataFile Name :	072SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	600.94	601.20	592.35	598.16	0.84	ppb
Antimony	121-1	1.36	1.38	1.35	1.36	1.09	ppb
Arsenic	75-2	2.45	2.23	2.40	2.36	4.91	ppb
Barium	135-1	15.35	15.34	15.85	15.51	1.87	ppb
Barium	137-1	15.31	15.63	15.05	15.33	1.90	ppb
Beryllium	9-1	0.05	0.07	0.03	0.05	41.20	ppb
Bismuth	209-1				108		%
Bismuth	209-2				108		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.64	0.42	0.61	0.55	21.44	ppb
Cadmium	106-1	-2.10	-3.21	-3.14	-2.82		ppb
Cadmium	111-1	0.24	0.12	0.12	0.16	44.01	ppb
Calcium	43-1	5005.82	4853.93	4957.84	4939.20	1.57	ppb
Calcium	44-1	5801.77	5779.86	5788.71	5790.11	0.19	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3.16	3.19	3.02	3.12	3.03	ppb
Cobalt	59-2	0.58	0.54	0.56	0.56	3.80	ppb
Copper	63-2	26.13	26.71	26.48	26.44	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				114		%
Holmium	165-2				114		%
Indium	115-1				114		%
Indium	115-2				112		%
Iron	56-2	3454.67	3448.52	3411.73	3438.31	0.68	ppb
Iron	57-2	3026.54	3036.37	3036.21	3033.04	0.19	ppb
Iron	54-2	3038.80	3018.64	2995.23	3017.56	0.72	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-03LX5	Instrumnet Name :	P7
Client Sample ID :	4043L	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 16:19:23	DataFile Name :	072SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	189.32	191.93	192.91	191.39	0.97	ppb
Lead	207-1	174.49	176.11	177.01	175.87	0.72	ppb
Lead	208-1	206.31	207.77	211.26	208.45	1.22	ppb
Lithium	6-1				108		%
Magnesium	24-2	1331.78	1336.71	1335.02	1334.50	0.19	ppb
Manganese	55-2	35.51	35.70	35.54	35.58	0.28	ppb
Molybdenum	94-1	3.90	3.96	4.04	3.97	1.75	ppb
Molybdenum	95-1	3.97	3.95	4.12	4.01	2.24	ppb
Molybdenum	96-1	4.07	4.01	4.05	4.04	0.85	ppb
Molybdenum	97-1	4.13	4.16	4.03	4.11	1.62	ppb
Molybdenum	98-1	4.09	4.08	3.97	4.05	1.58	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	3.68	3.58	3.46	3.57	3.10	ppb
Phosphorus	31-2	73.08	78.53	66.05	72.55	8.62	ppb
Potassium	39-2	3278.89	3266.78	3281.13	3275.60	0.24	ppb
Rhodium	103-1				113		%
Rhodium	103-2				112		%
Scandium	45-1				112		%
Scandium	45-2				108		%
Selenium	82-1	1.90	0.89	2.08	1.62	39.43	ppb
Selenium	77-2	2.50	1.54	2.28	2.11	23.99	ppb
Selenium	78-2	1.31	-0.50	-0.43	0.13	811.47	ppb
Silicon	28-1	2126.94	2067.07	2129.04	2107.68	1.67	ppb
Silver	107-1	0.06	0.05	0.05	0.05	2.62	ppb
Silver	109-1	0.05	0.05	0.05	0.05	4.69	ppb
Sodium	23-2	10479.59	10528.47	10422.47	10476.84	0.51	ppb
Strontium	86-1	37.38	37.35	37.39	37.37	0.05	ppb
Strontium	88-1	35.91	36.20	36.37	36.16	0.64	ppb
Sulfur	34-1	1091.74	759.70	1021.18	957.54	18.27	ppb
Terbium	159-1				113		%
Terbium	159-2				115		%
Thallium	203-1	0.00	-0.01	-0.01	-0.01		ppb
Thallium	205-1	-0.01	0.00	-0.01	-0.01		ppb
Tin	118-1	0.72	0.68	0.68	0.69	3.46	ppb
Titanium	47-1	22.08	27.39	22.04	23.83	12.92	ppb

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LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-03LX5	Instrumnet Name :	P7
Client Sample ID :	4043L	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 16:19:23	DataFile Name :	072SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.04	0.04	0.04	0.04	2.71	ppb
Vanadium	51-2	2.41	2.37	2.37	2.38	0.91	ppb
Yttrium	89-1				115		%
Yttrium	89-2				113		%
Zinc	66-2	154.64	153.57	154.06	154.09	0.35	ppb
Zirconium	90-1	0.34	0.34	0.36	0.35	3.30	ppb
Zirconium	91-1	0.35	0.33	0.37	0.35	5.43	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-03MS	Instrumnet Name :	P7
Client Sample ID :	4043MS	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 16:22:36	DataFile Name :	073SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10271.40	10565.09	10611.62	10482.70	1.76	ppb
Antimony	121-1	512.24	489.58	501.42	501.08	2.26	ppb
Arsenic	75-2	10.73	10.65	10.96	10.78	1.45	ppb
Barium	135-1	2314.14	2231.26	2270.73	2272.04	1.82	ppb
Barium	137-1	2240.89	2210.09	2246.23	2232.41	0.87	ppb
Beryllium	9-1	471.84	475.82	475.43	474.36	0.46	ppb
Bismuth	209-1				112		%
Bismuth	209-2				111		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	474.80	460.63	465.61	467.01	1.54	ppb
Cadmium	106-1	481.60	462.11	476.95	473.55	2.15	ppb
Cadmium	111-1	479.53	471.75	481.89	477.72	1.11	ppb
Calcium	43-1	71963.26	73321.37	72887.30	72723.97	0.95	ppb
Calcium	44-1	70757.33	71823.15	71644.63	71408.37	0.80	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	484.98	487.50	490.81	487.76	0.60	ppb
Cobalt	59-2	495.81	495.50	487.17	492.82	0.99	ppb
Copper	63-2	4786.35	4562.00	4544.04	4630.80	2.92	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				125		%
Holmium	165-2				124		%
Indium	115-1				120		%
Indium	115-2				117		%
Iron	56-2	35459.24	36135.15	36664.86	36086.42	1.67	ppb
Iron	57-2	36611.28	36039.33	36095.13	36248.58	0.87	ppb
Iron	54-2	35733.19	36495.60	35870.72	36033.17	1.13	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-03MS	Instrumnet Name :	P7
Client Sample ID :	4043MS	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 16:22:36	DataFile Name :	073SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	3503.58	3597.50	3690.32	3597.13	2.60	ppb
Lead	207-1	3452.73	3415.82	3552.61	3473.72	2.04	ppb
Lead	208-1	3447.62	3459.69	3591.40	3499.57	2.28	ppb
Lithium	6-1				118		%
Magnesium	24-2	53811.55	54240.79	53001.02	53684.45	1.17	ppb
Manganese	55-2	4497.35	4679.39	4558.88	4578.54	2.02	ppb
Molybdenum	94-1	2296.62	2214.31	2292.14	2267.69	2.04	ppb
Molybdenum	95-1	1726.72	1699.39	1738.78	1721.63	1.17	ppb
Molybdenum	96-1	1765.18	1727.46	1745.05	1745.90	1.08	ppb
Molybdenum	97-1	1744.37	1701.06	1720.42	1721.95	1.26	ppb
Molybdenum	98-1	1693.60	1684.41	1722.51	1700.17	1.17	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	494.63	488.44	480.28	487.78	1.48	ppb
Phosphorus	31-2	497.62	499.00	497.36	497.99	0.18	ppb
Potassium	39-2	35680.21	34066.49	34341.63	34696.11	2.49	ppb
Rhodium	103-1				120		%
Rhodium	103-2				117		%
Scandium	45-1				122		%
Scandium	45-2				116		%
Selenium	82-1	472.95	471.72	477.46	474.04	0.64	ppb
Selenium	77-2	477.46	492.47	474.61	481.51	1.99	ppb
Selenium	78-2	468.46	463.77	473.30	468.51	1.02	ppb
Silicon	28-1	6648.49	6748.76	6964.52	6787.26	2.38	ppb
Silver	107-1	67.73	67.23	67.99	67.65	0.57	ppb
Silver	109-1	67.98	66.60	67.88	67.49	1.14	ppb
Sodium	23-2	91881.90	93020.29	92904.91	92602.37	0.68	ppb
Strontium	86-1	771.99	780.26	769.07	773.78	0.75	ppb
Strontium	88-1	737.75	733.05	750.06	740.28	1.19	ppb
Sulfur	34-1	12266.65	12045.29	12339.55	12217.16	1.25	ppb
Terbium	159-1				124		%
Terbium	159-2				123		%
Thallium	203-1	476.38	485.00	493.33	484.90	1.75	ppb
Thallium	205-1	474.83	477.44	497.77	483.35	2.60	ppb
Tin	118-1	439.20	443.60	453.88	445.56	1.69	ppb
Titanium	47-1	79.85	74.43	72.75	75.68	4.91	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-03MS	Instrumnet Name :	P7
Client Sample ID :	4043MS	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 16:22:36	DataFile Name :	073SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	438.81	437.49	457.18	444.49	2.48	ppb
Vanadium	51-2	510.18	511.42	506.31	509.30	0.52	ppb
Yttrium	89-1				125		%
Yttrium	89-2				119		%
Zinc	66-2	5409.73	5362.15	5451.08	5407.66	0.82	ppb
Zirconium	90-1	475.44	470.72	468.89	471.68	0.72	ppb
Zirconium	91-1	413.36	408.72	417.52	413.20	1.07	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-03MSD	Instrumnet Name :	P7
Client Sample ID :	4043MSD	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 16:25:22	DataFile Name :	074SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10998.10	10918.25	10846.30	10920.88	0.70	ppb
Antimony	121-1	499.74	501.40	492.63	497.92	0.94	ppb
Arsenic	75-2	10.71	10.63	11.51	10.95	4.43	ppb
Barium	135-1	2280.02	2260.16	2242.42	2260.87	0.83	ppb
Barium	137-1	2215.17	2268.25	2225.79	2236.40	1.26	ppb
Beryllium	9-1	472.67	470.08	483.30	475.35	1.47	ppb
Bismuth	209-1				112		%
Bismuth	209-2				110		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	471.29	469.75	474.13	471.72	0.47	ppb
Cadmium	106-1	468.85	472.66	479.37	473.63	1.12	ppb
Cadmium	111-1	472.07	480.80	472.91	475.26	1.01	ppb
Calcium	43-1	71629.39	74103.80	73771.57	73168.25	1.84	ppb
Calcium	44-1	70413.85	72837.80	71633.85	71628.50	1.69	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	503.29	497.02	517.04	505.78	2.03	ppb
Cobalt	59-2	503.13	502.78	517.78	507.90	1.69	ppb
Copper	63-2	4620.17	4576.29	4682.47	4626.31	1.15	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				122		%
Holmium	165-2				122		%
Indium	115-1				118		%
Indium	115-2				116		%
Iron	56-2	37945.92	36907.03	38201.11	37684.69	1.82	ppb
Iron	57-2	37273.00	36754.08	37777.22	37268.10	1.37	ppb
Iron	54-2	37947.02	37040.28	37788.44	37591.91	1.29	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-03MSD	Instrumnet Name :	P7
Client Sample ID :	4043MSD	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 16:25:22	DataFile Name :	074SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	3511.27	3706.71	3567.04	3595.01	2.80	ppb
Lead	207-1	3392.95	3654.72	3440.72	3496.13	3.99	ppb
Lead	208-1	3429.73	3630.08	3486.47	3515.42	2.94	ppb
Lithium	6-1				116		%
Magnesium	24-2	54908.02	54653.01	54636.78	54732.60	0.28	ppb
Manganese	55-2	4792.68	4655.66	4822.80	4757.04	1.87	ppb
Molybdenum	94-1	2272.93	2247.93	2207.37	2242.74	1.48	ppb
Molybdenum	95-1	1685.97	1746.67	1689.84	1707.49	1.99	ppb
Molybdenum	96-1	1751.24	1773.14	1766.11	1763.50	0.63	ppb
Molybdenum	97-1	1690.50	1727.31	1731.26	1716.35	1.31	ppb
Molybdenum	98-1	1717.73	1701.94	1724.43	1714.70	0.67	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	497.79	492.61	496.22	495.54	0.54	ppb
Phosphorus	31-2	552.32	509.43	514.92	525.55	4.44	ppb
Potassium	39-2	35734.34	35395.45	36276.77	35802.19	1.24	ppb
Rhodium	103-1				118		%
Rhodium	103-2				115		%
Scandium	45-1				120		%
Scandium	45-2				113		%
Selenium	82-1	469.14	477.08	472.55	472.93	0.84	ppb
Selenium	77-2	489.11	498.60	515.01	500.91	2.62	ppb
Selenium	78-2	465.79	462.81	480.93	469.84	2.07	ppb
Silicon	28-1	6904.86	7134.81	7239.13	7092.93	2.41	ppb
Silver	107-1	67.55	68.49	67.82	67.95	0.71	ppb
Silver	109-1	66.71	67.91	67.06	67.23	0.91	ppb
Sodium	23-2	94905.65	93490.03	94693.75	94363.15	0.81	ppb
Strontium	86-1	752.36	780.14	772.25	768.25	1.86	ppb
Strontium	88-1	731.76	756.07	738.12	741.98	1.70	ppb
Sulfur	34-1	12439.72	12840.22	12947.49	12742.48	2.10	ppb
Terbium	159-1				124		%
Terbium	159-2				124		%
Thallium	203-1	477.69	511.61	492.51	493.94	3.44	ppb
Thallium	205-1	473.92	478.76	484.63	479.10	1.12	ppb
Tin	118-1	428.11	452.91	444.66	441.90	2.86	ppb
Titanium	47-1	72.92	78.37	77.95	76.41	3.97	ppb

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-03MSD	Instrumnet Name :	P7
Client Sample ID :	4043MSD	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 16:25:22	DataFile Name :	074SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	432.69	447.59	439.06	439.78	1.70	ppb
Vanadium	51-2	521.57	505.00	522.59	516.39	1.91	ppb
Yttrium	89-1				125		%
Yttrium	89-2				117		%
Zinc	66-2	5454.55	5466.56	5480.12	5467.07	0.23	ppb
Zirconium	90-1	456.95	474.26	478.90	470.04	2.46	ppb
Zirconium	91-1	403.36	416.01	413.15	410.84	1.61	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-03	Instrumnet Name :	P7
Client Sample ID :	4043	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 16:28:06	DataFile Name :	075SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	11052.74	10433.12	10627.25	10704.37	2.96	ppb
Antimony	121-1	504.08	507.79	508.65	506.84	0.48	ppb
Arsenic	75-2	10.87	10.56	11.14	10.85	2.65	ppb
Barium	135-1	2277.29	2283.66	2306.10	2289.01	0.66	ppb
Barium	137-1	2323.73	2232.58	2268.48	2274.93	2.02	ppb
Beryllium	9-1	469.44	482.95	482.78	478.39	1.62	ppb
Bismuth	209-1				114		%
Bismuth	209-2				112		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	483.31	464.02	475.01	474.11	2.04	ppb
Cadmium	106-1	481.74	480.81	480.54	481.03	0.13	ppb
Cadmium	111-1	483.12	484.47	486.77	484.79	0.38	ppb
Calcium	43-1	71532.68	71602.46	74531.08	72555.41	2.36	ppb
Calcium	44-1	70478.45	72972.67	74104.78	72518.63	2.56	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	516.37	510.64	511.63	512.88	0.60	ppb
Cobalt	59-2	524.30	508.57	502.75	511.88	2.18	ppb
Copper	63-2	4787.60	4846.44	4826.33	4820.12	0.62	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				124		%
Holmium	165-2				122		%
Indium	115-1				120		%
Indium	115-2				116		%
Iron	56-2	38116.36	36443.28	36856.85	37138.83	2.35	ppb
Iron	57-2	37646.84	36444.73	37488.42	37193.33	1.76	ppb
Iron	54-2	38007.88	36785.26	36962.56	37251.90	1.77	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-03	Instrumnet Name :	P7
Client Sample ID :	4043	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 16:28:06	DataFile Name :	075SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	3506.68	3519.06	3686.92	3570.89	2.82	ppb
Lead	207-1	3431.06	3471.57	3571.61	3491.41	2.07	ppb
Lead	208-1	3451.17	3477.69	3587.39	3505.42	2.06	ppb
Lithium	6-1				117		%
Magnesium	24-2	56745.48	54593.44	54290.12	55209.68	2.42	ppb
Manganese	55-2	4828.96	4664.00	4679.23	4724.06	1.93	ppb
Molybdenum	94-1	2219.61	2262.05	2244.18	2241.94	0.95	ppb
Molybdenum	95-1	1746.10	1712.98	1726.57	1728.55	0.96	ppb
Molybdenum	96-1	1814.68	1774.13	1757.69	1782.17	1.65	ppb
Molybdenum	97-1	1736.10	1718.17	1707.09	1720.45	0.85	ppb
Molybdenum	98-1	1743.04	1723.27	1700.61	1722.31	1.23	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	502.28	511.27	503.57	505.71	0.96	ppb
Phosphorus	31-2	521.50	489.36	490.01	500.29	3.67	ppb
Potassium	39-2	35776.91	35686.90	36110.11	35857.97	0.62	ppb
Rhodium	103-1				119		%
Rhodium	103-2				117		%
Scandium	45-1				122		%
Scandium	45-2				113		%
Selenium	82-1	476.24	482.54	475.74	478.18	0.79	ppb
Selenium	77-2	485.40	491.82	470.49	482.57	2.27	ppb
Selenium	78-2	470.91	480.88	475.14	475.64	1.05	ppb
Silicon	28-1	6476.56	6692.49	7022.61	6730.55	4.09	ppb
Silver	107-1	68.51	68.96	69.02	68.83	0.40	ppb
Silver	109-1	68.80	68.19	68.61	68.53	0.45	ppb
Sodium	23-2	95868.51	94870.46	93893.31	94877.43	1.04	ppb
Strontium	86-1	782.30	773.22	776.17	777.23	0.60	ppb
Strontium	88-1	753.20	754.17	753.70	753.69	0.06	ppb
Sulfur	34-1	11842.48	12011.75	12751.62	12201.95	3.96	ppb
Terbium	159-1				123		%
Terbium	159-2				123		%
Thallium	203-1	475.49	482.82	501.46	486.59	2.75	ppb
Thallium	205-1	479.88	480.23	488.30	482.81	0.99	ppb
Tin	118-1	453.99	451.50	449.28	451.59	0.52	ppb
Titanium	47-1	71.85	72.57	74.02	72.81	1.52	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-03	Instrumnet Name :	P7
Client Sample ID :	4043	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 16:28:06	DataFile Name :	075SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	427.01	439.82	451.10	439.31	2.74	ppb
Vanadium	51-2	518.27	519.92	519.78	519.32	0.18	ppb
Yttrium	89-1				125		%
Yttrium	89-2				119		%
Zinc	66-2	5596.41	5576.43	5692.84	5621.90	1.11	ppb
Zirconium	90-1	479.31	472.06	477.23	476.20	0.78	ppb
Zirconium	91-1	417.23	415.31	413.03	415.19	0.51	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-04DL2X25	Instrumnet Name :	P7
Client Sample ID :	4044DL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-05 16:30:54	DataFile Name :	076SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	35.29	36.24	37.25	36.26	2.70	ppb
Antimony	121-1	1.12	1.13	1.14	1.13	0.87	ppb
Arsenic	75-2	3.38	3.40	3.74	3.50	5.74	ppb
Barium	135-1	5.51	5.53	5.26	5.44	2.84	ppb
Barium	137-1	5.45	5.35	5.34	5.38	1.15	ppb
Beryllium	9-1	0.01	0.01	0.01	0.01	2.75	ppb
Bismuth	209-1				79		%
Bismuth	209-2				80		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	17.61	17.59	17.45	17.55	0.51	ppb
Cadmium	106-1	-3.90	-3.99	-3.76	-3.88		ppb
Cadmium	111-1	0.40	0.43	0.30	0.38	18.11	ppb
Calcium	43-1	305.27	326.64	307.85	313.25	3.72	ppb
Calcium	44-1	483.93	505.10	500.48	496.50	2.24	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.63	0.69	0.65	0.65	4.49	ppb
Cobalt	59-2	0.04	0.06	0.06	0.05	17.77	ppb
Copper	63-2	8.03	8.10	7.83	7.98	1.72	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				86		%
Holmium	165-2				85		%
Indium	115-1				84		%
Indium	115-2				84		%
Iron	56-2	23.68	23.80	22.75	23.41	2.47	ppb
Iron	57-2	29.53	29.28	31.76	30.19	4.52	ppb
Iron	54-2	27.32	26.13	26.97	26.80	2.29	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-04DL2X25	Instrumnet Name :	P7
Client Sample ID :	4044DL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-05 16:30:54	DataFile Name :	076SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.51	0.54	0.54	0.53	3.83	ppb
Lead	207-1	0.46	0.53	0.56	0.52	10.42	ppb
Lead	208-1	0.51	0.54	0.54	0.53	3.12	ppb
Lithium	6-1				83		%
Magnesium	24-2	145.08	149.21	143.57	145.95	2.00	ppb
Manganese	55-2	28.07	29.31	27.74	28.37	2.91	ppb
Molybdenum	94-1	4034.44	4088.76	3993.28	4038.83	1.19	ppb
Molybdenum	95-1	4954.49	4955.27	4954.20	4954.65	0.01	ppb
Molybdenum	96-1	4873.37	4723.98	4850.61	4815.99	1.67	ppb
Molybdenum	97-1	4919.94	4840.34	4913.45	4891.24	0.90	ppb
Molybdenum	98-1	4867.80	4859.65	4915.21	4880.89	0.61	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.21	0.37	0.36	0.31	29.36	ppb
Phosphorus	31-2	1250.95	1269.68	1291.80	1270.81	1.61	ppb
Potassium	39-2	192965.83	195858.25	193780.83	194201.64	0.77	ppb
Rhodium	103-1				83		%
Rhodium	103-2				84		%
Scandium	45-1				82		%
Scandium	45-2				79		%
Selenium	82-1	13.46	13.75	14.43	13.88	3.60	ppb
Selenium	77-2	14.02	11.57	13.96	13.18	10.61	ppb
Selenium	78-2	16.76	14.70	14.83	15.43	7.46	ppb
Silicon	28-1	797.84	862.49	886.75	849.03	5.41	ppb
Silver	107-1	0.05	0.05	0.05	0.05	1.17	ppb
Silver	109-1	0.06	0.05	0.05	0.05	11.86	ppb
Sodium	23-2	88866.37	86440.87	87401.94	87569.72	1.39	ppb
Strontium	86-1	7.54	7.21	7.28	7.35	2.38	ppb
Strontium	88-1	7.05	7.03	7.12	7.07	0.70	ppb
Sulfur	34-1	1560.16	1419.48	986.27	1321.97	22.63	ppb
Terbium	159-1				85		%
Terbium	159-2				86		%
Thallium	203-1	0.18	0.16	0.16	0.17	8.18	ppb
Thallium	205-1	0.20	0.17	0.18	0.18	10.36	ppb
Tin	118-1	0.22	0.24	0.21	0.22	6.91	ppb
Titanium	47-1	0.56	0.72	0.66	0.65	12.39	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-04DL2X25	Instrumnet Name :	P7
Client Sample ID :	4044DL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-05 16:30:54	DataFile Name :	076SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.01	0.01	0.01	26.16	ppb
Vanadium	51-2	0.54	0.61	0.58	0.58	5.79	ppb
Yttrium	89-1				85		%
Yttrium	89-2				82		%
Zinc	66-2	51.11	51.70	50.25	51.02	1.44	ppb
Zirconium	90-1	0.82	0.52	0.47	0.60	31.35	ppb
Zirconium	91-1	0.80	0.51	0.51	0.61	27.25	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2739-01DL2X25	Instrumnet Name :	P7
Client Sample ID :	50743DL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-05 16:34:02	DataFile Name :	077SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	101.41	101.53	103.24	102.06	1.00	ppb
Antimony	121-1	0.14	0.12	0.13	0.13	8.17	ppb
Arsenic	75-2	1.57	1.77	1.83	1.72	8.01	ppb
Barium	135-1	11.85	12.55	12.04	12.15	2.95	ppb
Barium	137-1	11.78	11.90	12.06	11.91	1.16	ppb
Beryllium	9-1	0.03	0.05	0.01	0.03	54.45	ppb
Bismuth	209-1				107		%
Bismuth	209-2				109		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.07	0.14	0.11	0.11	28.96	ppb
Cadmium	106-1	-3.91	-3.80	-2.88	-3.53		ppb
Cadmium	111-1	-0.22	-0.20	-0.14	-0.19		ppb
Calcium	43-1	749.63	768.05	760.76	759.48	1.22	ppb
Calcium	44-1	837.33	851.22	833.37	840.64	1.11	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.76	1.85	1.85	1.82	2.65	ppb
Cobalt	59-2	0.25	0.28	0.25	0.26	6.68	ppb
Copper	63-2	1.58	1.47	1.41	1.49	5.77	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				117		%
Holmium	165-2				117		%
Indium	115-1				116		%
Indium	115-2				116		%
Iron	56-2	46241.62	45397.33	46504.75	46047.90	1.26	ppb
Iron	57-2	45337.85	44543.48	45090.27	44990.53	0.90	ppb
Iron	54-2	45761.07	45407.00	45744.36	45637.47	0.44	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2739-01DL2X25	Instrumnet Name :	P7
Client Sample ID :	50743DL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-05 16:34:02	DataFile Name :	077SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	3.14	3.14	3.05	3.11	1.76	ppb
Lead	207-1	2.92	2.95	2.98	2.95	1.03	ppb
Lead	208-1	3.03	2.99	2.99	3.00	0.69	ppb
Lithium	6-1				111		%
Magnesium	24-2	199.59	202.60	205.78	202.65	1.53	ppb
Manganese	55-2	199.42	200.12	202.26	200.60	0.74	ppb
Molybdenum	94-1	1.04	0.92	0.92	0.96	7.42	ppb
Molybdenum	95-1	0.72	0.71	0.71	0.72	1.05	ppb
Molybdenum	96-1	0.98	0.96	0.96	0.97	0.72	ppb
Molybdenum	97-1	0.78	0.79	0.74	0.77	3.28	ppb
Molybdenum	98-1	0.78	0.73	0.72	0.74	4.66	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.92	0.99	0.91	0.94	4.56	ppb
Phosphorus	31-2	213.67	208.52	235.58	219.26	6.55	ppb
Potassium	39-2	31904.14	31461.09	31284.97	31550.07	1.01	ppb
Rhodium	103-1				115		%
Rhodium	103-2				114		%
Scandium	45-1				114		%
Scandium	45-2				108		%
Selenium	82-1	5.04	6.29	6.84	6.05	15.18	ppb
Selenium	77-2	3.19	6.40	7.20	5.60	37.95	ppb
Selenium	78-2	5.10	6.33	6.15	5.86	11.33	ppb
Silicon	28-1	325.40	336.81	330.78	331.00	1.72	ppb
Silver	107-1	0.02	0.02	0.02	0.02	11.24	ppb
Silver	109-1	0.02	0.02	0.02	0.02	12.81	ppb
Sodium	23-2	2401.34	2545.53	2466.77	2471.21	2.92	ppb
Strontium	86-1	7.53	7.76	7.70	7.66	1.54	ppb
Strontium	88-1	7.44	7.66	7.48	7.52	1.52	ppb
Sulfur	34-1	-2091.05	-1726.45	-1777.99	-1865.16		ppb
Terbium	159-1				117		%
Terbium	159-2				118		%
Thallium	203-1	0.07	0.06	0.07	0.07	8.69	ppb
Thallium	205-1	0.07	0.06	0.06	0.06	4.45	ppb
Tin	118-1	0.15	0.14	0.13	0.14	8.14	ppb
Titanium	47-1	1.84	1.79	1.80	1.81	1.47	ppb

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2739-01DL2X25	Instrumnet Name :	P7
Client Sample ID :	50743DL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-05 16:34:02	DataFile Name :	077SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.03	0.02	0.02	0.03	18.43	ppb
Vanadium	51-2	0.27	0.25	0.29	0.27	6.68	ppb
Yttrium	89-1				117		%
Yttrium	89-2				113		%
Zinc	66-2	29.43	30.14	29.94	29.84	1.23	ppb
Zirconium	90-1	0.20	0.20	0.20	0.20	0.53	ppb
Zirconium	91-1	0.22	0.22	0.21	0.22	2.16	ppb

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCV05	Instrumnet Name :	P7
Client Sample ID :	CCV05	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 16:43:16	DataFile Name :	080CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	49193.38	49830.43	49428.82	49484.21	0.65	ppb
Antimony	121-1	490.89	522.90	511.87	508.55	3.20	ppb
Arsenic	75-2	500.56	495.09	497.58	497.74	0.55	ppb
Barium	135-1	2487.66	2575.33	2582.99	2548.66	2.08	ppb
Barium	137-1	2485.69	2571.61	2485.70	2514.33	1.97	ppb
Beryllium	9-1	497.91	506.12	508.58	504.20	1.11	ppb
Bismuth	209-1				102		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	480.42	493.67	500.30	491.46	2.06	ppb
Cadmium	106-1	475.02	500.16	494.40	489.86	2.69	ppb
Cadmium	111-1	476.88	491.77	494.97	487.87	1.98	ppb
Calcium	43-1	248888.10	250726.48	253366.43	250993.67	0.90	ppb
Calcium	44-1	251866.17	252953.41	255870.40	253563.33	0.82	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	521.47	524.23	524.11	523.27	0.30	ppb
Cobalt	59-2	502.31	509.89	522.81	511.67	2.03	ppb
Copper	63-2	5075.75	4923.98	4923.64	4974.46	1.76	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				115		%
Holmium	165-2				113		%
Indium	115-1				108		%
Indium	115-2				107		%
Iron	56-2	130464.94	130025.18	131588.44	130692.85	0.62	ppb
Iron	57-2	127710.43	130810.49	129990.61	129503.84	1.24	ppb
Iron	54-2	127214.11	129998.86	133335.44	130182.80	2.35	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCV05	Instrumnet Name :	P7
Client Sample ID :	CCV05	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 16:43:16	DataFile Name :	080CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2583.18	2607.49	2629.76	2606.81	0.89	ppb
Lead	207-1	2566.21	2563.88	2596.86	2575.65	0.71	ppb
Lead	208-1	2561.98	2550.01	2608.14	2573.38	1.19	ppb
Lithium	6-1				109		%
Magnesium	24-2	249219.43	253234.10	255773.70	252742.41	1.31	ppb
Manganese	55-2	5013.44	5058.11	5132.87	5068.14	1.19	ppb
Molybdenum	94-1	5059.88	5164.50	5238.89	5154.42	1.74	ppb
Molybdenum	95-1	4944.44	5139.90	5062.41	5048.92	1.95	ppb
Molybdenum	96-1	5006.46	5065.14	5182.68	5084.76	1.76	ppb
Molybdenum	97-1	5090.87	5190.98	5202.68	5161.51	1.19	ppb
Molybdenum	98-1	4955.60	5179.29	5259.73	5131.54	3.07	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	490.65	485.86	494.65	490.38	0.90	ppb
Phosphorus	31-2	9968.44	9966.71	10134.82	10023.32	0.96	ppb
Potassium	39-2	125133.39	124552.13	126266.86	125317.46	0.70	ppb
Rhodium	103-1				106		%
Rhodium	103-2				106		%
Scandium	45-1				112		%
Scandium	45-2				108		%
Selenium	82-1	474.85	489.31	491.09	485.08	1.84	ppb
Selenium	77-2	506.17	486.72	498.42	497.11	1.97	ppb
Selenium	78-2	488.98	486.66	491.46	489.03	0.49	ppb
Silicon	28-1	1106.47	1130.26	1147.23	1127.99	1.82	ppb
Silver	107-1	485.16	502.10	490.12	492.46	1.77	ppb
Silver	109-1	487.69	507.52	498.65	497.95	1.99	ppb
Sodium	23-2	245221.59	250749.99	259182.10	251717.89	2.79	ppb
Strontium	86-1	443.80	453.88	461.33	453.00	1.94	ppb
Strontium	88-1	513.58	523.19	535.77	524.18	2.12	ppb
Sulfur	34-1	7975.09	7966.87	7994.82	7978.93	0.18	ppb
Terbium	159-1				115		%
Terbium	159-2				115		%
Thallium	203-1	536.93	511.01	541.46	529.80	3.10	ppb
Thallium	205-1	524.04	511.19	525.87	520.37	1.54	ppb
Tin	118-1	501.07	522.42	513.95	512.48	2.10	ppb
Titanium	47-1	4978.44	5063.64	5011.88	5017.99	0.86	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCV05	Instrumnet Name :	P7
Client Sample ID :	CCV05	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 16:43:16	DataFile Name :	080CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	486.96	483.80	496.27	489.01	1.33	ppb
Vanadium	51-2	510.79	531.88	530.70	524.46	2.26	ppb
Yttrium	89-1				113		%
Yttrium	89-2				109		%
Zinc	66-2	4994.34	4949.77	4880.16	4941.42	1.16	ppb
Zirconium	90-1	504.35	521.64	528.20	518.06	2.38	ppb
Zirconium	91-1	448.75	460.40	463.95	457.70	1.74	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCB05	Instrumnet Name :	P7
Client Sample ID :	CCB05	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 17:02:40	DataFile Name :	081CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-1.43	-1.62	-1.84	-1.63		ppb
Antimony	121-1	0.03	0.03	0.03	0.03	5.56	ppb
Arsenic	75-2	0.00	-0.02	0.01	0.00		ppb
Barium	135-1	-0.01	0.00	0.01	0.00	343.07	ppb
Barium	137-1	-0.01	-0.02	-0.01	-0.01		ppb
Beryllium	9-1	0.01	0.00	0.00	0.00	202.35	ppb
Bismuth	209-1				102		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.07	-0.10	-0.01	-0.06		ppb
Cadmium	106-1	-4.69	-4.31	-4.96	-4.65		ppb
Cadmium	111-1	-0.32	-0.30	-0.35	-0.32		ppb
Calcium	43-1	-6.38	-7.48	-5.74	-6.53		ppb
Calcium	44-1	24.72	25.83	21.91	24.15	8.37	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	0.00	2444.93	ppb
Cobalt	59-2	-0.01	0.00	0.00	0.00		ppb
Copper	63-2	-0.14	-0.14	-0.14	-0.14		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				110		%
Holmium	165-2				109		%
Indium	115-1				110		%
Indium	115-2				108		%
Iron	56-2	0.87	0.82	0.69	0.79	11.84	ppb
Iron	57-2	2.41	1.99	1.47	1.95	24.14	ppb
Iron	54-2	1.67	0.51	1.52	1.23	50.85	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCB05	Instrumnet Name :	P7
Client Sample ID :	CCB05	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 17:02:40	DataFile Name :	081CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.03	0.04	0.04	0.04	19.13	ppb
Lead	207-1	-0.01	0.01	0.02	0.01	146.13	ppb
Lead	208-1	0.02	0.03	0.03	0.03	20.58	ppb
Lithium	6-1				103		%
Magnesium	24-2	0.71	0.82	0.76	0.76	7.53	ppb
Manganese	55-2	0.29	0.33	0.36	0.33	10.70	ppb
Molybdenum	94-1	0.04	0.04	0.08	0.05	42.16	ppb
Molybdenum	95-1	0.02	0.03	0.01	0.02	40.99	ppb
Molybdenum	96-1	0.04	0.04	0.07	0.05	26.45	ppb
Molybdenum	97-1	0.05	0.05	0.03	0.05	25.63	ppb
Molybdenum	98-1	0.04	0.03	0.04	0.04	8.32	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.02	0.02	0.04	0.03	36.57	ppb
Phosphorus	31-2	-61.01	-60.38	-65.88	-62.42		ppb
Potassium	39-2	14.00	13.89	15.04	14.31	4.41	ppb
Rhodium	103-1				109		%
Rhodium	103-2				108		%
Scandium	45-1				109		%
Scandium	45-2				104		%
Selenium	82-1	0.63	0.54	-0.11	0.35	114.01	ppb
Selenium	77-2	0.16	0.42	0.65	0.41	59.81	ppb
Selenium	78-2	-1.36	1.15	0.79	0.19	709.95	ppb
Silicon	28-1	-2.89	-2.07	-2.02	-2.33		ppb
Silver	107-1	0.00	0.00	0.01	0.00	37.75	ppb
Silver	109-1	0.01	0.00	0.01	0.00	49.18	ppb
Sodium	23-2	34.29	33.43	33.41	33.71	1.48	ppb
Strontium	86-1	-0.02	0.00	-0.06	-0.03		ppb
Strontium	88-1	0.00	0.00	0.00	0.00		ppb
Sulfur	34-1	-1312.20	-1180.37	-1396.37	-1296.31		ppb
Terbium	159-1				110		%
Terbium	159-2				110		%
Thallium	203-1	-0.01	-0.02	-0.02	-0.02		ppb
Thallium	205-1	-0.01	-0.02	-0.02	-0.02		ppb
Tin	118-1	-0.04	-0.08	0.24	0.04	423.63	ppb
Titanium	47-1	-0.03	-0.01	0.00	-0.01		ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCB05	Instrumnet Name :	P7
Client Sample ID :	CCB05	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 17:02:40	DataFile Name :	081CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	37.70	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	19.02	ppb
Yttrium	89-1				110		%
Yttrium	89-2				106		%
Zinc	66-2	-0.13	-0.12	-0.07	-0.11		ppb
Zirconium	90-1	0.01	0.01	0.01	0.01	45.30	ppb
Zirconium	91-1	-0.01	0.01	0.01	0.00	201.50	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	PB169128TB	Instrumnet Name :	P7
Client Sample ID :	PB169128TB	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 17:05:55	DataFile Name :	082CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-1.31	-1.97	-1.23	-1.50		ppb
Antimony	121-1	0.01	0.01	0.01	0.01	35.54	ppb
Arsenic	75-2	0.01	-0.02	-0.01	0.00		ppb
Barium	135-1	0.01	0.01	0.01	0.01	18.38	ppb
Barium	137-1	-0.01	-0.01	-0.01	-0.01		ppb
Beryllium	9-1	0.00	0.01	0.01	0.00	173.22	ppb
Bismuth	209-1				103		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.01	-0.04	-0.01	-0.02		ppb
Cadmium	106-1	-3.37	-4.00	-3.49	-3.62		ppb
Cadmium	111-1	-0.23	-0.28	-0.25	-0.25		ppb
Calcium	43-1	-6.07	-4.20	-7.91	-6.06		ppb
Calcium	44-1	26.58	20.42	25.50	24.17	13.63	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.03	0.00	-0.02	-0.01		ppb
Cobalt	59-2	0.00	0.00	0.00	0.00		ppb
Copper	63-2	-0.16	-0.13	-0.16	-0.15		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				110		%
Holmium	165-2				111		%
Indium	115-1				110		%
Indium	115-2				108		%
Iron	56-2	0.31	0.26	0.37	0.31	17.48	ppb
Iron	57-2	1.03	1.55	0.71	1.10	38.61	ppb
Iron	54-2	0.55	0.01	1.84	0.80	117.96	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	PB169128TB	Instrumnet Name :	P7
Client Sample ID :	PB169128TB	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 17:05:55	DataFile Name :	082CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.00	0.02	0.03	0.02	79.99	ppb
Lead	207-1	0.00	-0.01	0.00	0.00		ppb
Lead	208-1	0.00	0.01	0.02	0.01	84.74	ppb
Lithium	6-1				104		%
Magnesium	24-2	0.27	0.18	0.16	0.20	30.60	ppb
Manganese	55-2	0.35	0.36	0.30	0.34	8.81	ppb
Molybdenum	94-1	0.03	0.03	0.04	0.04	11.77	ppb
Molybdenum	95-1	0.01	0.02	0.02	0.02	29.16	ppb
Molybdenum	96-1	0.02	0.00	0.02	0.01	79.86	ppb
Molybdenum	97-1	0.06	0.05	0.03	0.05	32.59	ppb
Molybdenum	98-1	0.02	0.03	0.01	0.02	51.95	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.07	0.03	0.06	0.06	32.38	ppb
Phosphorus	31-2	-67.14	-56.76	-58.36	-60.75		ppb
Potassium	39-2	9.47	11.19	13.49	11.39	17.69	ppb
Rhodium	103-1				110		%
Rhodium	103-2				107		%
Scandium	45-1				109		%
Scandium	45-2				105		%
Selenium	82-1	0.52	1.00	0.53	0.69	39.79	ppb
Selenium	77-2	0.40	0.90	0.66	0.65	38.07	ppb
Selenium	78-2	0.20	-0.29	2.06	0.66	188.45	ppb
Silicon	28-1	-6.62	-10.94	-9.09	-8.88		ppb
Silver	107-1	0.00	0.00	0.00	0.00	155.90	ppb
Silver	109-1	0.00	0.00	0.00	0.00	76.27	ppb
Sodium	23-2	30.76	31.47	35.20	32.48	7.35	ppb
Strontium	86-1	-0.04	-0.02	0.00	-0.02		ppb
Strontium	88-1	0.00	0.00	0.00	0.00		ppb
Sulfur	34-1	-1141.83	-1371.75	-1187.63	-1233.74		ppb
Terbium	159-1				111		%
Terbium	159-2				112		%
Thallium	203-1	-0.02	-0.02	-0.02	-0.02		ppb
Thallium	205-1	-0.02	-0.02	-0.02	-0.02		ppb
Tin	118-1	-0.04	-0.09	-0.04	-0.06		ppb
Titanium	47-1	0.00	0.01	0.02	0.01	65.07	ppb

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	PB169128TB	Instrumnet Name :	P7
Client Sample ID :	PB169128TB	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 17:05:55	DataFile Name :	082CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	116.57	ppb
Vanadium	51-2	0.01	0.00	0.00	0.00	318.88	ppb
Yttrium	89-1				111		%
Yttrium	89-2				107		%
Zinc	66-2	-0.12	-0.23	-0.22	-0.19		ppb
Zirconium	90-1	0.00	0.00	0.00	0.00	126.70	ppb
Zirconium	91-1	0.02	0.00	0.01	0.01	121.00	ppb

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2747-02DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-GRILLO-OG2-0	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 17:09:15	DataFile Name :	083SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	536.53	548.09	545.17	543.27	1.11	ppb
Antimony	121-1	0.03	0.03	0.02	0.03	17.95	ppb
Arsenic	75-2	2.79	2.56	2.46	2.60	6.61	ppb
Barium	135-1	28.14	28.41	29.44	28.66	2.40	ppb
Barium	137-1	28.10	28.11	28.72	28.31	1.26	ppb
Beryllium	9-1	0.27	0.33	0.27	0.29	11.22	ppb
Bismuth	209-1				105		%
Bismuth	209-2				108		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.65	0.55	0.72	0.64	13.06	ppb
Cadmium	106-1	-2.56	-2.84	-1.49	-2.30		ppb
Cadmium	111-1	0.27	0.31	0.39	0.32	18.43	ppb
Calcium	43-1	40979.27	42209.62	42118.09	41768.99	1.64	ppb
Calcium	44-1	47252.42	47552.69	47660.45	47488.52	0.45	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.50	0.49	0.45	0.48	5.79	ppb
Cobalt	59-2	8.61	8.66	8.84	8.70	1.36	ppb
Copper	63-2	1.92	2.01	2.05	1.99	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				115		%
Holmium	165-2				117		%
Indium	115-1				114		%
Indium	115-2				115		%
Iron	56-2	550.48	543.07	540.17	544.58	0.98	ppb
Iron	57-2	708.81	725.57	719.82	718.06	1.19	ppb
Iron	54-2	474.85	469.58	474.80	473.08	0.64	ppb
Krypton	83-1						cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2747-02DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-GRILLO-OG2-0	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 17:09:15	DataFile Name :	083SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.77	0.80	0.80	0.79	2.25	ppb
Lead	207-1	0.75	0.70	0.75	0.74	3.70	ppb
Lead	208-1	0.75	0.77	0.76	0.76	1.22	ppb
Lithium	6-1				108		%
Magnesium	24-2	9412.38	9626.90	9500.84	9513.37	1.13	ppb
Manganese	55-2	1317.98	1326.54	1349.40	1331.31	1.22	ppb
Molybdenum	94-1	0.14	0.20	0.17	0.17	18.66	ppb
Molybdenum	95-1	0.03	0.05	0.04	0.04	26.47	ppb
Molybdenum	96-1	0.06	0.07	0.06	0.06	8.22	ppb
Molybdenum	97-1	0.07	0.04	0.08	0.06	27.92	ppb
Molybdenum	98-1	0.03	0.04	0.04	0.04	15.24	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	3.75	3.85	3.82	3.81	1.31	ppb
Phosphorus	31-2	1682.89	1742.96	1798.11	1741.32	3.31	ppb
Potassium	39-2	12542.73	12826.95	12656.10	12675.26	1.13	ppb
Rhodium	103-1				113		%
Rhodium	103-2				114		%
Scandium	45-1				113		%
Scandium	45-2				109		%
Selenium	82-1	0.24	0.82	-0.03	0.34	127.43	ppb
Selenium	77-2	-0.09	1.33	1.30	0.85	95.61	ppb
Selenium	78-2	-1.09	0.83	0.40	0.04	2291.18	ppb
Silicon	28-1	1033.87	1121.49	1041.15	1065.50	4.56	ppb
Silver	107-1	0.00	0.01	0.00	0.01	69.94	ppb
Silver	109-1	0.00	0.00	0.00	0.00	57.16	ppb
Sodium	23-2	2528.56	2568.03	2538.02	2544.87	0.81	ppb
Strontium	86-1	139.07	142.52	141.12	140.90	1.23	ppb
Strontium	88-1	158.18	164.55	160.47	161.06	2.00	ppb
Sulfur	34-1	53106.40	53053.09	53914.50	53357.99	0.90	ppb
Terbium	159-1				116		%
Terbium	159-2				115		%
Thallium	203-1	0.01	0.02	0.02	0.02	50.76	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	21.40	ppb
Tin	118-1	0.02	-0.01	0.02	0.01	214.44	ppb
Titanium	47-1	1.25	1.14	1.26	1.22	5.34	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2747-02DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-GRILLO-OG2-0	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 17:09:15	DataFile Name :	083SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.01	0.01	0.01	11.02	ppb
Vanadium	51-2	1.15	1.22	1.22	1.20	3.28	ppb
Yttrium	89-1				116		%
Yttrium	89-2				113		%
Zinc	66-2	232.02	238.96	238.47	236.48	1.64	ppb
Zirconium	90-1	0.04	0.09	0.08	0.07	37.76	ppb
Zirconium	91-1	0.05	0.06	0.07	0.06	22.80	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2747-04DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-GRILLO-OG3-0	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 17:12:23	DataFile Name :	084SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4619.89	4581.90	4589.09	4596.96	0.44	ppb
Antimony	121-1	0.02	0.03	0.03	0.03	11.41	ppb
Arsenic	75-2	4.00	4.25	4.29	4.18	3.72	ppb
Barium	135-1	22.26	22.18	22.70	22.38	1.25	ppb
Barium	137-1	22.09	22.76	22.23	22.36	1.59	ppb
Beryllium	9-1	0.67	0.71	0.75	0.71	5.35	ppb
Bismuth	209-1				104		%
Bismuth	209-2				108		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.00	1.21	1.03	1.08	10.52	ppb
Cadmium	106-1	-1.48	-2.11	-1.59	-1.73		ppb
Cadmium	111-1	1.02	0.89	0.93	0.95	6.88	ppb
Calcium	43-1	65007.94	64685.92	65114.96	64936.27	0.34	ppb
Calcium	44-1	66000.62	65088.55	65483.26	65524.15	0.70	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.18	2.17	2.13	2.16	1.12	ppb
Cobalt	59-2	18.58	18.46	18.27	18.44	0.83	ppb
Copper	63-2	4.27	4.17	4.02	4.15	3.07	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				115		%
Holmium	165-2				116		%
Indium	115-1				114		%
Indium	115-2				115		%
Iron	56-2	3243.72	3222.62	3225.61	3230.65	0.35	ppb
Iron	57-2	3099.36	3142.11	3131.14	3124.21	0.71	ppb
Iron	54-2	2754.06	2803.17	2773.24	2776.82	0.89	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2747-04DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-GRILLO-OG3-0	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 17:12:23	DataFile Name :	084SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	3.70	3.71	3.61	3.67	1.48	ppb
Lead	207-1	3.45	3.42	3.38	3.42	1.02	ppb
Lead	208-1	3.56	3.52	3.47	3.52	1.19	ppb
Lithium	6-1				106		%
Magnesium	24-2	10394.68	10546.16	10477.90	10472.91	0.72	ppb
Manganese	55-2	1702.96	1695.77	1744.58	1714.43	1.54	ppb
Molybdenum	94-1	0.29	0.30	0.20	0.26	19.62	ppb
Molybdenum	95-1	0.04	0.02	0.03	0.03	41.12	ppb
Molybdenum	96-1	0.06	0.05	0.08	0.07	21.78	ppb
Molybdenum	97-1	0.03	0.05	0.03	0.04	27.44	ppb
Molybdenum	98-1	0.04	0.02	0.03	0.03	25.14	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	10.48	10.29	10.63	10.47	1.65	ppb
Phosphorus	31-2	5348.41	5244.00	5356.26	5316.22	1.18	ppb
Potassium	39-2	13270.78	12831.08	12878.30	12993.39	1.86	ppb
Rhodium	103-1				113		%
Rhodium	103-2				112		%
Scandium	45-1				115		%
Scandium	45-2				110		%
Selenium	82-1	0.66	0.73	0.59	0.66	10.26	ppb
Selenium	77-2	1.29	1.52	1.06	1.29	17.87	ppb
Selenium	78-2	1.02	0.80	-0.51	0.43	190.52	ppb
Silicon	28-1	2035.88	2115.07	2051.53	2067.49	2.03	ppb
Silver	107-1	0.00	0.01	0.00	0.00	98.30	ppb
Silver	109-1	0.00	0.00	0.00	0.00	132.58	ppb
Sodium	23-2	2344.99	2461.93	2459.85	2422.26	2.76	ppb
Strontium	86-1	172.55	175.83	170.59	172.99	1.53	ppb
Strontium	88-1	202.08	206.08	202.49	203.55	1.08	ppb
Sulfur	34-1	85261.30	86434.26	85170.09	85621.88	0.82	ppb
Terbium	159-1				114		%
Terbium	159-2				118		%
Thallium	203-1	0.04	0.02	0.03	0.03	20.26	ppb
Thallium	205-1	0.04	0.05	0.03	0.04	24.52	ppb
Tin	118-1	-0.09	-0.08	-0.03	-0.07		ppb
Titanium	47-1	2.26	2.57	2.41	2.41	6.39	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2747-04DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-GRILLO-OG3-0	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 17:12:23	DataFile Name :	084SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.04	0.04	0.04	0.04	5.30	ppb
Vanadium	51-2	7.36	7.16	7.35	7.29	1.52	ppb
Yttrium	89-1				119		%
Yttrium	89-2				115		%
Zinc	66-2	298.44	295.32	296.64	296.80	0.53	ppb
Zirconium	90-1	0.13	0.14	0.14	0.14	4.12	ppb
Zirconium	91-1	0.19	0.17	0.14	0.17	15.26	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2747-06DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-GRILLO-OG4-0	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 17:15:35	DataFile Name :	085SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4678.93	4652.16	4667.49	4666.19	0.29	ppb
Antimony	121-1	0.02	0.02	0.03	0.02	31.50	ppb
Arsenic	75-2	4.66	4.10	4.64	4.46	7.09	ppb
Barium	135-1	22.40	23.24	22.19	22.61	2.45	ppb
Barium	137-1	21.89	22.26	21.90	22.02	0.95	ppb
Beryllium	9-1	0.78	0.69	0.83	0.76	9.29	ppb
Bismuth	209-1				104		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.08	1.13	0.91	1.04	11.19	ppb
Cadmium	106-1	-2.52	-1.89	-3.35	-2.59		ppb
Cadmium	111-1	0.80	0.94	0.79	0.84	9.92	ppb
Calcium	43-1	66587.19	64829.53	67568.66	66328.46	2.09	ppb
Calcium	44-1	66974.88	65538.61	67822.40	66778.63	1.73	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.97	2.09	2.00	2.02	3.04	ppb
Cobalt	59-2	19.81	19.82	19.50	19.71	0.91	ppb
Copper	63-2	4.24	4.32	4.26	4.28	1.03	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				116		%
Holmium	165-2				116		%
Indium	115-1				113		%
Indium	115-2				113		%
Iron	56-2	3344.55	3381.99	3296.12	3340.89	1.29	ppb
Iron	57-2	3254.97	3245.81	3240.30	3247.03	0.23	ppb
Iron	54-2	2907.03	2903.14	2891.63	2900.60	0.28	ppb
Krypton	83-1						cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2747-06DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-GRILLO-OG4-0	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 17:15:35	DataFile Name :	085SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	3.85	4.02	3.94	3.94	2.18	ppb
Lead	207-1	3.58	3.53	3.78	3.63	3.66	ppb
Lead	208-1	3.71	3.75	3.80	3.75	1.31	ppb
Lithium	6-1				105		%
Magnesium	24-2	10928.45	10982.05	10904.61	10938.37	0.36	ppb
Manganese	55-2	1776.47	1777.61	1769.21	1774.43	0.26	ppb
Molybdenum	94-1	0.30	0.31	0.31	0.31	1.56	ppb
Molybdenum	95-1	0.05	0.02	0.06	0.04	45.04	ppb
Molybdenum	96-1	0.05	0.04	0.06	0.05	19.74	ppb
Molybdenum	97-1	0.04	0.03	0.03	0.04	7.45	ppb
Molybdenum	98-1	0.02	0.02	0.02	0.02	9.34	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	10.67	10.64	10.46	10.59	1.04	ppb
Phosphorus	31-2	5405.33	5390.02	5268.05	5354.47	1.40	ppb
Potassium	39-2	14112.62	13824.77	14232.95	14056.78	1.49	ppb
Rhodium	103-1				113		%
Rhodium	103-2				112		%
Scandium	45-1				115		%
Scandium	45-2				108		%
Selenium	82-1	0.06	-0.33	0.34	0.02	1430.67	ppb
Selenium	77-2	0.85	1.07	0.85	0.92	14.12	ppb
Selenium	78-2	-0.40	1.43	0.25	0.43	215.98	ppb
Silicon	28-1	2258.04	2233.20	2217.54	2236.26	0.91	ppb
Silver	107-1	0.01	0.00	0.01	0.01	32.39	ppb
Silver	109-1	0.00	0.00	0.00	0.00	45.54	ppb
Sodium	23-2	2526.39	2561.53	2503.59	2530.50	1.15	ppb
Strontium	86-1	179.65	183.81	185.73	183.06	1.70	ppb
Strontium	88-1	209.45	210.74	216.83	212.34	1.86	ppb
Sulfur	34-1	88784.11	86522.20	89551.58	88285.96	1.78	ppb
Terbium	159-1				114		%
Terbium	159-2				117		%
Thallium	203-1	0.05	0.03	0.04	0.04	14.44	ppb
Thallium	205-1	0.03	0.04	0.03	0.04	15.10	ppb
Tin	118-1	-0.09	-0.09	-0.09	-0.09		ppb
Titanium	47-1	2.47	2.38	2.19	2.34	6.11	ppb

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2747-06DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-GRILLO-OG4-0	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 17:15:35	DataFile Name :	085SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.04	0.04	0.04	0.04	7.17	ppb
Vanadium	51-2	7.68	7.58	7.44	7.56	1.57	ppb
Yttrium	89-1				118		%
Yttrium	89-2				113		%
Zinc	66-2	315.29	315.94	315.38	315.54	0.11	ppb
Zirconium	90-1	0.13	0.12	0.14	0.13	5.49	ppb
Zirconium	91-1	0.14	0.16	0.16	0.15	7.11	ppb

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On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2747-08DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-GRILLO-TSCP0	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 17:18:44	DataFile Name :	086SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	560.02	574.14	570.18	568.11	1.28	ppb
Antimony	121-1	0.05	0.05	0.05	0.05	1.45	ppb
Arsenic	75-2	4.13	4.57	4.05	4.25	6.59	ppb
Barium	135-1	37.42	36.46	36.01	36.63	1.98	ppb
Barium	137-1	35.62	35.90	35.16	35.56	1.05	ppb
Beryllium	9-1	0.25	0.34	0.37	0.32	20.26	ppb
Bismuth	209-1				103		%
Bismuth	209-2				108		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.13	1.20	0.56	0.96	36.56	ppb
Cadmium	106-1	-1.76	-1.90	-2.49	-2.05		ppb
Cadmium	111-1	0.96	0.82	0.90	0.89	7.82	ppb
Calcium	43-1	83389.79	81062.06	84273.48	82908.45	2.00	ppb
Calcium	44-1	83431.42	80874.89	82664.51	82323.61	1.59	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.56	0.63	0.55	0.58	7.60	ppb
Cobalt	59-2	6.84	6.85	6.81	6.83	0.27	ppb
Copper	63-2	2.64	2.67	2.64	2.65	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				114		%
Holmium	165-2				117		%
Indium	115-1				115		%
Indium	115-2				114		%
Iron	56-2	178.38	180.70	180.48	179.85	0.71	ppb
Iron	57-2	581.98	597.58	588.73	589.43	1.33	ppb
Iron	54-2	181.22	185.15	180.28	182.22	1.42	ppb
Krypton	83-1						cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2747-08DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-GRILLO-TSCP0	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 17:18:44	DataFile Name :	086SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2.04	2.08	2.02	2.05	1.56	ppb
Lead	207-1	1.88	2.01	1.98	1.96	3.46	ppb
Lead	208-1	1.95	1.96	1.99	1.97	1.02	ppb
Lithium	6-1				106		%
Magnesium	24-2	16178.14	16833.94	16777.35	16596.48	2.19	ppb
Manganese	55-2	2570.45	2634.96	2618.11	2607.84	1.28	ppb
Molybdenum	94-1	0.21	0.21	0.26	0.22	13.03	ppb
Molybdenum	95-1	0.06	0.09	0.08	0.07	22.09	ppb
Molybdenum	96-1	0.07	0.05	0.07	0.07	17.20	ppb
Molybdenum	97-1	0.06	0.05	0.08	0.06	28.64	ppb
Molybdenum	98-1	0.04	0.05	0.03	0.04	15.92	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	3.95	4.14	4.34	4.15	4.76	ppb
Phosphorus	31-2	1131.47	1185.83	1242.26	1186.52	4.67	ppb
Potassium	39-2	23064.21	22512.45	23602.58	23059.75	2.36	ppb
Rhodium	103-1				112		%
Rhodium	103-2				113		%
Scandium	45-1				114		%
Scandium	45-2				108		%
Selenium	82-1	0.22	-0.31	0.22	0.04	780.19	ppb
Selenium	77-2	0.14	0.15	0.38	0.22	60.18	ppb
Selenium	78-2	-0.56	-0.37	0.02	-0.30		ppb
Silicon	28-1	1356.44	1386.77	1386.02	1376.41	1.26	ppb
Silver	107-1	0.01	0.01	0.02	0.01	43.99	ppb
Silver	109-1	0.01	0.00	0.01	0.01	35.68	ppb
Sodium	23-2	3640.56	3550.31	3608.86	3599.91	1.27	ppb
Strontium	86-1	234.46	231.02	237.44	234.31	1.37	ppb
Strontium	88-1	280.55	273.92	274.45	276.31	1.33	ppb
Sulfur	34-1	90098.00	90061.78	90368.17	90175.98	0.19	ppb
Terbium	159-1				115		%
Terbium	159-2				117		%
Thallium	203-1	0.01	0.01	0.01	0.01	8.72	ppb
Thallium	205-1	0.02	0.02	0.02	0.02	1.84	ppb
Tin	118-1	-0.07	-0.09	-0.08	-0.08		ppb
Titanium	47-1	1.05	1.05	1.02	1.04	2.01	ppb

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2747-08DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-GRILLO-TSCP0	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 17:18:44	DataFile Name :	086SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.01	0.01	0.01	17.92	ppb
Vanadium	51-2	1.55	1.59	1.52	1.55	2.26	ppb
Yttrium	89-1				117		%
Yttrium	89-2				113		%
Zinc	66-2	296.72	301.28	305.00	301.00	1.38	ppb
Zirconium	90-1	0.09	0.16	0.11	0.12	30.88	ppb
Zirconium	91-1	0.16	0.10	0.10	0.12	27.04	ppb

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On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2747-10DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-GRILLO-TSCP0	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 17:21:56	DataFile Name :	087SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	6508.83	6400.84	5481.62	6130.43	9.21	ppb
Antimony	121-1	0.06	0.06	0.06	0.06	1.22	ppb
Arsenic	75-2	4.37	3.79	3.67	3.94	9.58	ppb
Barium	135-1	22.66	23.07	23.87	23.20	2.65	ppb
Barium	137-1	22.17	22.82	23.05	22.68	2.01	ppb
Beryllium	9-1	1.55	1.50	1.50	1.52	2.02	ppb
Bismuth	209-1				105		%
Bismuth	209-2				109		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.81	1.86	1.97	1.88	4.27	ppb
Cadmium	106-1	-1.89	-1.21	-0.71	-1.27		ppb
Cadmium	111-1	1.47	1.54	1.59	1.53	4.22	ppb
Calcium	43-1	42253.63	42300.51	42266.45	42273.53	0.06	ppb
Calcium	44-1	48783.13	48648.20	49046.52	48825.95	0.41	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.22	2.32	2.32	2.29	2.58	ppb
Cobalt	59-2	7.25	7.22	7.30	7.26	0.56	ppb
Copper	63-2	13.72	13.41	14.04	13.72	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				116		%
Holmium	165-2				116		%
Indium	115-1				115		%
Indium	115-2				114		%
Iron	56-2	3346.19	3341.25	3391.63	3359.69	0.83	ppb
Iron	57-2	3157.09	3144.46	3201.49	3167.68	0.95	ppb
Iron	54-2	2945.61	2926.16	2949.92	2940.56	0.43	ppb
Krypton	83-1						cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2747-10DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-GRILLO-TSCP0	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 17:21:56	DataFile Name :	087SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	10.35	10.25	10.04	10.21	1.56	ppb
Lead	207-1	9.61	9.54	9.29	9.48	1.76	ppb
Lead	208-1	9.86	9.84	9.58	9.76	1.61	ppb
Lithium	6-1				106		%
Magnesium	24-2	9596.24	9484.04	9687.19	9589.16	1.06	ppb
Manganese	55-2	1497.12	1480.29	1465.86	1481.09	1.06	ppb
Molybdenum	94-1	0.52	0.56	0.51	0.53	5.20	ppb
Molybdenum	95-1	0.06	0.04	0.02	0.04	45.79	ppb
Molybdenum	96-1	0.08	0.08	0.09	0.09	6.23	ppb
Molybdenum	97-1	0.03	0.07	0.04	0.05	45.60	ppb
Molybdenum	98-1	0.03	0.02	0.03	0.03	21.85	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	9.18	8.76	9.33	9.09	3.26	ppb
Phosphorus	31-2	1811.90	1838.16	1813.46	1821.17	0.81	ppb
Potassium	39-2	13739.26	14221.40	13783.95	13914.87	1.91	ppb
Rhodium	103-1				113		%
Rhodium	103-2				113		%
Scandium	45-1				115		%
Scandium	45-2				108		%
Selenium	82-1	-0.38	0.09	-0.52	-0.27		ppb
Selenium	77-2	2.64	2.64	2.94	2.74	6.37	ppb
Selenium	78-2	1.04	-0.41	-0.61	0.01	13056.78	ppb
Silicon	28-1	1960.88	2021.37	1929.45	1970.57	2.37	ppb
Silver	107-1	0.00	0.00	0.00	0.00	25.48	ppb
Silver	109-1	0.00	0.00	0.00	0.00	26.12	ppb
Sodium	23-2	2336.05	2236.10	2222.27	2264.81	2.74	ppb
Strontium	86-1	129.63	130.67	133.44	131.25	1.50	ppb
Strontium	88-1	148.35	153.51	151.27	151.04	1.71	ppb
Sulfur	34-1	86672.25	87555.74	86011.85	86746.61	0.89	ppb
Terbium	159-1				115		%
Terbium	159-2				117		%
Thallium	203-1	0.02	0.02	0.00	0.01	79.62	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	28.10	ppb
Tin	118-1	-0.10	-0.06	-0.06	-0.07		ppb
Titanium	47-1	2.98	2.95	3.02	2.98	1.32	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2747-10DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-GRILLO-TSCP0	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 17:21:56	DataFile Name :	087SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.11	0.11	0.12	0.11	0.94	ppb
Vanadium	51-2	16.58	16.26	16.86	16.57	1.80	ppb
Yttrium	89-1				120		%
Yttrium	89-2				116		%
Zinc	66-2	334.20	337.42	336.41	336.01	0.49	ppb
Zirconium	90-1	0.26	0.31	0.27	0.28	8.94	ppb
Zirconium	91-1	0.30	0.23	0.27	0.27	11.96	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2747-10DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-GRILLO-TSCP0	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 17:25:04	DataFile Name :	088SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	5314.07	6451.14	5312.22	5692.48	11.54	ppb
Antimony	121-1	0.06	0.07	0.07	0.07	6.90	ppb
Arsenic	75-2	4.09	3.81	3.89	3.93	3.68	ppb
Barium	135-1	22.43	22.42	22.25	22.37	0.44	ppb
Barium	137-1	21.63	22.15	22.21	22.00	1.45	ppb
Beryllium	9-1	1.46	1.35	1.33	1.38	5.23	ppb
Bismuth	209-1				104		%
Bismuth	209-2				108		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.72	1.52	1.73	1.66	6.93	ppb
Cadmium	106-1	-1.04	-1.72	-1.57	-1.45		ppb
Cadmium	111-1	1.43	1.35	1.54	1.44	6.29	ppb
Calcium	43-1	41378.30	40938.70	42086.73	41467.91	1.40	ppb
Calcium	44-1	47233.45	47495.53	48102.07	47610.35	0.94	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.29	2.19	2.29	2.25	2.57	ppb
Cobalt	59-2	6.97	7.42	7.29	7.22	3.22	ppb
Copper	63-2	13.50	13.62	13.36	13.49	0.95	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				117		%
Holmium	165-2				118		%
Indium	115-1				115		%
Indium	115-2				115		%
Iron	56-2	3277.07	3300.75	3305.34	3294.38	0.46	ppb
Iron	57-2	3112.26	3140.76	3128.36	3127.13	0.46	ppb
Iron	54-2	2878.48	2914.64	2849.33	2880.81	1.14	ppb
Krypton	83-1						cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2747-10DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-GRILLO-TSCP0	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 17:25:04	DataFile Name :	088SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	9.88	10.16	10.07	10.03	1.43	ppb
Lead	207-1	9.31	9.32	9.29	9.31	0.19	ppb
Lead	208-1	9.50	9.62	9.55	9.56	0.65	ppb
Lithium	6-1				106		%
Magnesium	24-2	9466.39	9489.25	9464.71	9473.45	0.14	ppb
Manganese	55-2	1457.11	1412.60	1442.72	1437.47	1.58	ppb
Molybdenum	94-1	0.56	0.56	0.49	0.54	6.79	ppb
Molybdenum	95-1	0.05	0.03	0.06	0.04	33.20	ppb
Molybdenum	96-1	0.08	0.07	0.09	0.08	12.79	ppb
Molybdenum	97-1	0.05	0.04	0.05	0.04	11.01	ppb
Molybdenum	98-1	0.02	0.03	0.02	0.02	19.32	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	8.98	9.35	9.25	9.19	2.11	ppb
Phosphorus	31-2	1784.78	1768.00	1754.44	1769.08	0.86	ppb
Potassium	39-2	13962.83	13585.42	13471.24	13673.16	1.88	ppb
Rhodium	103-1				113		%
Rhodium	103-2				114		%
Scandium	45-1				114		%
Scandium	45-2				108		%
Selenium	82-1	0.23	0.27	0.18	0.23	20.84	ppb
Selenium	77-2	1.97	1.04	1.76	1.59	30.78	ppb
Selenium	78-2	1.52	1.18	0.23	0.98	68.18	ppb
Silicon	28-1	1886.75	1888.58	1963.41	1912.91	2.29	ppb
Silver	107-1	0.00	0.01	0.01	0.01	28.72	ppb
Silver	109-1	0.00	0.00	0.00	0.00	35.52	ppb
Sodium	23-2	2206.44	2197.21	2196.46	2200.04	0.25	ppb
Strontium	86-1	131.50	130.39	128.05	129.98	1.35	ppb
Strontium	88-1	151.90	150.04	147.21	149.71	1.58	ppb
Sulfur	34-1	84649.23	83982.67	85554.68	84728.86	0.93	ppb
Terbium	159-1				115		%
Terbium	159-2				117		%
Thallium	203-1	0.01	0.01	0.01	0.01	22.99	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	0.92	ppb
Tin	118-1	-0.08	-0.07	-0.07	-0.07		ppb
Titanium	47-1	2.88	2.95	3.02	2.95	2.38	ppb

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2747-10DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-GRILLO-TSCP0	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 17:25:04	DataFile Name :	088SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.11	0.11	0.11	0.11	3.53	ppb
Vanadium	51-2	16.54	16.73	16.12	16.46	1.90	ppb
Yttrium	89-1				119		%
Yttrium	89-2				116		%
Zinc	66-2	328.24	329.78	326.20	328.07	0.55	ppb
Zirconium	90-1	0.27	0.26	0.28	0.27	2.58	ppb
Zirconium	91-1	0.30	0.27	0.29	0.29	5.21	ppb

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2747-10LDLX25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-GRILLO-TSCP0	Dilution Factor :	25
Date & Time Acquired :	2025-08-05 17:28:15	DataFile Name :	089SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1100.18	1094.48	1078.26	1090.98	1.04	ppb
Antimony	121-1	0.02	0.01	0.01	0.01	30.25	ppb
Arsenic	75-2	0.70	0.70	0.81	0.74	8.47	ppb
Barium	135-1	4.65	4.43	4.59	4.56	2.57	ppb
Barium	137-1	4.39	4.34	4.40	4.38	0.75	ppb
Beryllium	9-1	0.30	0.31	0.29	0.30	2.91	ppb
Bismuth	209-1				103		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.30	0.45	0.42	0.39	20.06	ppb
Cadmium	106-1	-1.93	-3.60	-4.02	-3.18		ppb
Cadmium	111-1	0.20	0.01	0.00	0.07	159.71	ppb
Calcium	43-1	8174.09	8102.65	8191.51	8156.08	0.58	ppb
Calcium	44-1	9394.13	9557.92	9542.81	9498.29	0.95	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.50	0.51	0.46	0.49	5.02	ppb
Cobalt	59-2	1.45	1.45	1.50	1.47	2.00	ppb
Copper	63-2	2.67	2.76	2.66	2.69	2.04	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				116		%
Holmium	165-2				114		%
Indium	115-1				114		%
Indium	115-2				112		%
Iron	56-2	681.78	675.71	647.10	668.20	2.77	ppb
Iron	57-2	643.24	619.36	621.28	627.96	2.11	ppb
Iron	54-2	583.12	574.11	582.66	579.96	0.88	ppb
Krypton	83-1						cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2747-10LDLX25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-GRILLO-TSCP0	Dilution Factor :	25
Date & Time Acquired :	2025-08-05 17:28:15	DataFile Name :	089SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2.04	1.90	2.11	2.02	5.39	ppb
Lead	207-1	1.98	1.82	1.89	1.90	4.04	ppb
Lead	208-1	1.97	1.83	1.95	1.92	3.96	ppb
Lithium	6-1				104		%
Magnesium	24-2	1596.34	1627.04	1597.62	1607.00	1.08	ppb
Manganese	55-2	251.03	250.04	248.76	249.95	0.46	ppb
Molybdenum	94-1	0.11	0.15	0.10	0.12	24.42	ppb
Molybdenum	95-1	0.00	0.01	0.00	0.00	300.03	ppb
Molybdenum	96-1	0.01	0.04	0.03	0.03	45.44	ppb
Molybdenum	97-1	0.04	0.02	0.03	0.03	23.76	ppb
Molybdenum	98-1	0.01	0.00	0.01	0.00	21.69	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.93	1.93	1.95	1.94	0.82	ppb
Phosphorus	31-2	319.80	318.23	300.62	312.88	3.40	ppb
Potassium	39-2	2455.35	2435.90	2429.82	2440.35	0.55	ppb
Rhodium	103-1				113		%
Rhodium	103-2				112		%
Scandium	45-1				113		%
Scandium	45-2				106		%
Selenium	82-1	0.12	0.50	-0.42	0.06	717.08	ppb
Selenium	77-2	0.64	0.39	0.87	0.63	38.04	ppb
Selenium	78-2	0.24	-0.21	-0.74	-0.24		ppb
Silicon	28-1	432.34	412.83	429.20	424.79	2.47	ppb
Silver	107-1	0.00	0.00	0.00	0.00	2154.03	ppb
Silver	109-1	0.00	0.00	0.00	0.00	148.30	ppb
Sodium	23-2	391.91	385.31	389.74	388.98	0.86	ppb
Strontium	86-1	26.47	25.72	26.78	26.32	2.08	ppb
Strontium	88-1	25.20	25.10	25.28	25.19	0.35	ppb
Sulfur	34-1	12021.51	11409.80	12032.58	11821.30	3.01	ppb
Terbium	159-1				112		%
Terbium	159-2				115		%
Thallium	203-1	-0.02	-0.01	-0.02	-0.02		ppb
Thallium	205-1	-0.02	-0.02	-0.02	-0.02		ppb
Tin	118-1	-0.07	-0.05	-0.11	-0.08		ppb
Titanium	47-1	0.79	0.60	0.50	0.63	23.35	ppb

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2747-10LDLX25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-GRILLO-TSCP0	Dilution Factor :	25
Date & Time Acquired :	2025-08-05 17:28:15	DataFile Name :	089SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.03	0.02	0.02	0.02	18.49	ppb
Vanadium	51-2	3.30	3.24	3.28	3.27	0.97	ppb
Yttrium	89-1				115		%
Yttrium	89-2				110		%
Zinc	66-2	66.57	65.45	65.71	65.91	0.89	ppb
Zirconium	90-1	0.06	0.05	0.05	0.05	10.21	ppb
Zirconium	91-1	0.05	0.07	0.04	0.05	22.85	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2747-10MSDLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-GRILLO-TSCP0	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 17:31:26	DataFile Name :	090SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	7605.67	7376.39	7441.32	7474.46	1.58	ppb
Antimony	121-1	79.37	80.25	76.89	78.84	2.21	ppb
Arsenic	75-2	31.33	31.43	33.07	31.94	3.06	ppb
Barium	135-1	371.33	374.29	358.07	367.90	2.35	ppb
Barium	137-1	367.88	369.32	352.67	363.29	2.54	ppb
Beryllium	9-1	91.56	93.45	93.05	92.69	1.07	ppb
Bismuth	209-1				103		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	91.62	92.86	92.25	92.24	0.68	ppb
Cadmium	106-1	91.97	93.32	84.40	89.90	5.35	ppb
Cadmium	111-1	94.91	97.26	91.18	94.45	3.25	ppb
Calcium	43-1	45171.48	45761.23	46813.20	45915.30	1.81	ppb
Calcium	44-1	51735.84	51737.53	52732.80	52068.72	1.10	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	80.80	81.31	80.57	80.89	0.47	ppb
Cobalt	59-2	87.73	88.09	87.36	87.73	0.42	ppb
Copper	63-2	893.26	892.20	895.73	893.73	0.20	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				115		%
Holmium	165-2				116		%
Indium	115-1				113		%
Indium	115-2				113		%
Iron	56-2	7359.14	7366.35	7364.32	7363.27	0.05	ppb
Iron	57-2	6663.51	6727.42	6565.47	6652.13	1.23	ppb
Iron	54-2	6439.91	6439.30	6423.85	6434.36	0.14	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2747-10MSDLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-GRILLO-TSCP0	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 17:31:26	DataFile Name :	090SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	484.34	474.46	483.23	480.68	1.13	ppb
Lead	207-1	469.61	472.89	473.24	471.91	0.42	ppb
Lead	208-1	472.41	473.91	477.99	474.77	0.61	ppb
Lithium	6-1				106		%
Magnesium	24-2	18146.07	17474.21	18157.82	17926.03	2.18	ppb
Manganese	55-2	2216.46	2163.82	2209.37	2196.55	1.30	ppb
Molybdenum	94-1	345.63	350.63	346.34	347.54	0.78	ppb
Molybdenum	95-1	265.37	263.01	264.75	264.38	0.46	ppb
Molybdenum	96-1	272.05	269.62	271.71	271.13	0.48	ppb
Molybdenum	97-1	266.72	265.44	266.63	266.26	0.27	ppb
Molybdenum	98-1	320.78	316.38	308.24	315.13	2.02	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	101.43	102.65	102.04	102.04	0.60	ppb
Phosphorus	31-2	1613.00	1696.44	1589.12	1632.85	3.45	ppb
Potassium	39-2	17043.85	16430.50	16690.78	16721.71	1.84	ppb
Rhodium	103-1				113		%
Rhodium	103-2				112		%
Scandium	45-1				114		%
Scandium	45-2				107		%
Selenium	82-1	83.90	85.64	85.15	84.90	1.06	ppb
Selenium	77-2	85.45	87.08	82.17	84.90	2.94	ppb
Selenium	78-2	84.57	85.21	81.26	83.68	2.53	ppb
Silicon	28-1	1752.03	1784.15	1771.46	1769.21	0.91	ppb
Silver	107-1	13.13	13.50	12.82	13.15	2.56	ppb
Silver	109-1	12.97	13.45	12.76	13.06	2.73	ppb
Sodium	23-2	11241.91	11070.11	11121.95	11144.66	0.79	ppb
Strontium	86-1	206.57	208.66	208.22	207.82	0.53	ppb
Strontium	88-1	236.35	239.45	236.72	237.51	0.71	ppb
Sulfur	34-1	76697.84	78808.07	80025.97	78510.62	2.14	ppb
Terbium	159-1				115		%
Terbium	159-2				117		%
Thallium	203-1	73.93	74.67	74.36	74.32	0.51	ppb
Thallium	205-1	71.84	73.39	73.11	72.78	1.13	ppb
Tin	118-1	70.85	72.06	68.20	70.37	2.80	ppb
Titanium	47-1	2.83	3.09	3.24	3.05	6.77	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2747-10MSDLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-GRILLO-TSCP0	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 17:31:26	DataFile Name :	090SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	63.11	65.57	64.73	64.47	1.94	ppb
Vanadium	51-2	97.66	96.64	96.52	96.94	0.64	ppb
Yttrium	89-1				120		%
Yttrium	89-2				115		%
Zinc	66-2	1062.31	1080.85	1065.16	1069.44	0.93	ppb
Zirconium	90-1	72.81	73.61	72.72	73.05	0.67	ppb
Zirconium	91-1	76.52	76.14	76.17	76.28	0.27	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2747-10MSDDLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-GRILLO-TSCP0	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 17:34:30	DataFile Name :	091SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	7559.95	7351.36	7521.64	7477.65	1.48	ppb
Antimony	121-1	78.91	80.85	81.38	80.38	1.62	ppb
Arsenic	75-2	56.99	51.90	53.26	54.05	4.88	ppb
Barium	135-1	372.87	379.23	375.88	375.99	0.85	ppb
Barium	137-1	366.75	374.20	375.45	372.13	1.26	ppb
Beryllium	9-1	91.26	93.09	90.80	91.71	1.32	ppb
Bismuth	209-1				105		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	95.10	94.99	91.58	93.89	2.13	ppb
Cadmium	106-1	93.05	91.00	96.21	93.42	2.81	ppb
Cadmium	111-1	95.20	96.48	97.53	96.40	1.21	ppb
Calcium	43-1	46539.20	46920.74	47111.85	46857.26	0.62	ppb
Calcium	44-1	52990.40	54428.26	54353.57	53924.08	1.50	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	80.81	80.04	80.70	80.52	0.52	ppb
Cobalt	59-2	87.10	87.14	88.08	87.44	0.64	ppb
Copper	63-2	903.09	897.19	899.59	899.96	0.33	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				116		%
Holmium	165-2				118		%
Indium	115-1				113		%
Indium	115-2				112		%
Iron	56-2	7304.84	7344.22	7285.12	7311.40	0.41	ppb
Iron	57-2	6640.86	6692.00	6644.15	6659.01	0.43	ppb
Iron	54-2	6434.21	6460.57	6416.69	6437.15	0.34	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2747-10MSDDLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-GRILLO-TSCP0	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 17:34:30	DataFile Name :	091SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	494.04	479.01	467.83	480.30	2.74	ppb
Lead	207-1	472.19	486.65	471.79	476.88	1.78	ppb
Lead	208-1	479.94	478.84	467.56	475.45	1.44	ppb
Lithium	6-1				106		%
Magnesium	24-2	17682.11	17811.25	17920.37	17804.58	0.67	ppb
Manganese	55-2	2164.52	2158.87	2223.03	2182.14	1.63	ppb
Molybdenum	94-1	352.28	357.97	350.44	353.56	1.11	ppb
Molybdenum	95-1	265.44	268.39	265.58	266.47	0.63	ppb
Molybdenum	96-1	275.47	277.81	270.66	274.65	1.33	ppb
Molybdenum	97-1	269.99	276.67	267.60	271.42	1.73	ppb
Molybdenum	98-1	313.78	318.33	313.95	315.35	0.82	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	102.07	102.40	102.86	102.44	0.39	ppb
Phosphorus	31-2	1666.16	1676.27	1708.68	1683.70	1.32	ppb
Potassium	39-2	16593.20	16838.38	16509.48	16647.02	1.03	ppb
Rhodium	103-1				112		%
Rhodium	103-2				111		%
Scandium	45-1				111		%
Scandium	45-2				107		%
Selenium	82-1	86.11	86.95	84.49	85.85	1.46	ppb
Selenium	77-2	101.45	86.24	86.78	91.49	9.43	ppb
Selenium	78-2	88.21	81.43	83.38	84.34	4.14	ppb
Silicon	28-1	1824.80	1814.61	1800.79	1813.40	0.66	ppb
Silver	107-1	13.22	13.37	13.72	13.44	1.92	ppb
Silver	109-1	13.12	13.23	13.49	13.28	1.40	ppb
Sodium	23-2	10931.03	10915.42	11194.77	11013.74	1.43	ppb
Strontium	86-1	208.30	211.24	206.74	208.76	1.09	ppb
Strontium	88-1	245.43	246.75	241.69	244.62	1.07	ppb
Sulfur	34-1	83028.32	80686.47	80371.04	81361.94	1.78	ppb
Terbium	159-1				113		%
Terbium	159-2				117		%
Thallium	203-1	72.50	74.39	73.00	73.29	1.33	ppb
Thallium	205-1	71.26	73.44	71.63	72.11	1.62	ppb
Tin	118-1	70.73	72.61	72.89	72.07	1.63	ppb
Titanium	47-1	3.13	2.99	2.86	2.99	4.41	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2747-10MSDDLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-GRILLO-TSCP0	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 17:34:30	DataFile Name :	091SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	63.93	64.39	62.09	63.47	1.92	ppb
Vanadium	51-2	97.46	96.83	96.65	96.98	0.44	ppb
Yttrium	89-1				119		%
Yttrium	89-2				113		%
Zinc	66-2	1075.57	1074.66	1073.74	1074.66	0.09	ppb
Zirconium	90-1	74.01	75.15	72.94	74.03	1.49	ppb
Zirconium	91-1	76.97	78.97	76.51	77.49	1.69	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCV06	Instrumnet Name :	P7
Client Sample ID :	CCV06	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 17:37:32	DataFile Name :	092CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	49994.06	49225.71	50608.36	49942.71	1.39	ppb
Antimony	121-1	488.73	517.08	512.24	506.02	3.00	ppb
Arsenic	75-2	475.20	485.51	485.27	481.99	1.22	ppb
Barium	135-1	2499.11	2649.99	2535.68	2561.59	3.07	ppb
Barium	137-1	2470.16	2568.72	2537.88	2525.59	2.00	ppb
Beryllium	9-1	498.07	496.67	501.59	498.77	0.51	ppb
Bismuth	209-1				102		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	483.19	496.54	491.82	490.52	1.38	ppb
Cadmium	106-1	477.08	491.16	489.16	485.80	1.57	ppb
Cadmium	111-1	475.11	492.88	491.72	486.57	2.04	ppb
Calcium	43-1	240879.75	243481.57	248272.83	244211.38	1.54	ppb
Calcium	44-1	242102.92	244652.21	251773.98	246176.37	2.04	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	527.43	533.24	517.02	525.90	1.56	ppb
Cobalt	59-2	519.66	517.57	506.82	514.68	1.34	ppb
Copper	63-2	5044.49	5013.08	5038.47	5032.01	0.33	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				118		%
Holmium	165-2				115		%
Indium	115-1				112		%
Indium	115-2				109		%
Iron	56-2	129063.76	131191.47	133289.46	131181.56	1.61	ppb
Iron	57-2	133233.35	132559.01	130437.45	132076.60	1.10	ppb
Iron	54-2	130717.00	130603.19	129370.86	130230.35	0.57	ppb
Krypton	83-1						cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCV06	Instrumnet Name :	P7
Client Sample ID :	CCV06	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 17:37:32	DataFile Name :	092CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2555.34	2642.99	2643.76	2614.03	1.94	ppb
Lead	207-1	2470.73	2594.77	2618.91	2561.47	3.10	ppb
Lead	208-1	2516.25	2594.78	2583.60	2564.88	1.66	ppb
Lithium	6-1				108		%
Magnesium	24-2	249369.54	251792.51	253282.50	251481.52	0.79	ppb
Manganese	55-2	5020.95	5034.84	5142.07	5065.95	1.31	ppb
Molybdenum	94-1	4987.49	5305.50	5149.25	5147.41	3.09	ppb
Molybdenum	95-1	4938.79	5089.16	5108.91	5045.62	1.84	ppb
Molybdenum	96-1	4953.67	5087.95	5053.71	5031.78	1.39	ppb
Molybdenum	97-1	4920.63	5107.49	4989.84	5005.99	1.89	ppb
Molybdenum	98-1	4930.96	5126.89	4991.57	5016.48	2.00	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	497.29	493.77	496.44	495.83	0.37	ppb
Phosphorus	31-2	9861.23	9810.33	9850.62	9840.72	0.27	ppb
Potassium	39-2	124350.17	123720.99	122625.14	123565.44	0.71	ppb
Rhodium	103-1				110		%
Rhodium	103-2				105		%
Scandium	45-1				114		%
Scandium	45-2				107		%
Selenium	82-1	467.32	479.69	465.97	470.99	1.61	ppb
Selenium	77-2	465.96	484.18	491.09	480.41	2.70	ppb
Selenium	78-2	450.37	475.06	466.69	464.04	2.71	ppb
Silicon	28-1	974.71	974.96	999.50	983.06	1.45	ppb
Silver	107-1	486.36	504.86	491.37	494.20	1.94	ppb
Silver	109-1	488.17	498.88	505.76	497.60	1.78	ppb
Sodium	23-2	253052.25	250449.77	254323.34	252608.45	0.78	ppb
Strontium	86-1	431.73	452.96	446.03	443.58	2.44	ppb
Strontium	88-1	503.18	525.73	520.73	516.55	2.29	ppb
Sulfur	34-1	8095.36	7678.89	8028.86	7934.37	2.82	ppb
Terbium	159-1				117		%
Terbium	159-2				116		%
Thallium	203-1	513.99	549.50	553.42	538.97	4.03	ppb
Thallium	205-1	509.77	530.25	524.62	521.55	2.03	ppb
Tin	118-1	501.57	525.56	514.37	513.83	2.34	ppb
Titanium	47-1	4835.11	4944.58	5046.28	4941.99	2.14	ppb

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCV06	Instrumnet Name :	P7
Client Sample ID :	CCV06	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 17:37:32	DataFile Name :	092CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	460.62	490.43	502.71	484.59	4.47	ppb
Vanadium	51-2	511.13	525.77	511.39	516.09	1.62	ppb
Yttrium	89-1				117		%
Yttrium	89-2				112		%
Zinc	66-2	5095.96	4904.72	4947.86	4982.85	2.01	ppb
Zirconium	90-1	492.38	525.31	519.25	512.31	3.42	ppb
Zirconium	91-1	439.09	459.59	445.71	448.13	2.34	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCB06	Instrumnet Name :	P7
Client Sample ID :	CCB06	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 17:47:19	DataFile Name :	093CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-1.16	-1.50	-1.29	-1.32		ppb
Antimony	121-1	0.05	0.04	0.05	0.05	13.62	ppb
Arsenic	75-2	-0.01	-0.03	0.02	-0.01		ppb
Barium	135-1	0.00	-0.01	0.00	0.00		ppb
Barium	137-1	0.00	-0.01	-0.01	-0.01		ppb
Beryllium	9-1	0.00	0.01	0.01	0.00	146.77	ppb
Bismuth	209-1				104		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.04	-0.04	0.02	-0.02		ppb
Cadmium	106-1	-4.37	-4.96	-4.46	-4.60		ppb
Cadmium	111-1	-0.31	-0.34	-0.31	-0.32		ppb
Calcium	43-1	-2.69	-6.12	-7.37	-5.40		ppb
Calcium	44-1	37.36	33.11	33.53	34.67	6.75	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.00	0.00	0.02	0.01	176.44	ppb
Cobalt	59-2	0.00	0.00	0.00	0.00		ppb
Copper	63-2	-0.13	-0.19	-0.14	-0.15		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				112		%
Holmium	165-2				111		%
Indium	115-1				110		%
Indium	115-2				110		%
Iron	56-2	0.55	0.56	0.35	0.49	24.18	ppb
Iron	57-2	1.40	2.59	1.24	1.74	42.20	ppb
Iron	54-2	1.17	0.89	0.58	0.88	33.73	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCB06	Instrumnet Name :	P7
Client Sample ID :	CCB06	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 17:47:19	DataFile Name :	093CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.01	0.04	0.01	0.02	76.68	ppb
Lead	207-1	0.01	0.02	0.01	0.01	47.90	ppb
Lead	208-1	0.02	0.03	0.02	0.02	28.13	ppb
Lithium	6-1				102		%
Magnesium	24-2	0.51	0.80	0.82	0.71	24.70	ppb
Manganese	55-2	0.41	0.38	0.25	0.35	24.09	ppb
Molybdenum	94-1	0.08	0.08	0.08	0.08	3.10	ppb
Molybdenum	95-1	0.05	0.03	0.04	0.04	14.97	ppb
Molybdenum	96-1	0.05	0.04	0.05	0.05	13.24	ppb
Molybdenum	97-1	0.09	0.10	0.03	0.07	46.47	ppb
Molybdenum	98-1	0.05	0.04	0.05	0.05	10.77	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.00	-0.02	0.02	0.00		ppb
Phosphorus	31-2	-74.85	-56.13	-60.86	-63.95		ppb
Potassium	39-2	13.52	16.37	17.79	15.89	13.68	ppb
Rhodium	103-1				109		%
Rhodium	103-2				110		%
Scandium	45-1				108		%
Scandium	45-2				104		%
Selenium	82-1	0.60	-0.05	-0.63	-0.02		ppb
Selenium	77-2	0.15	0.16	-0.09	0.07	188.97	ppb
Selenium	78-2	0.98	0.16	0.22	0.45	100.46	ppb
Silicon	28-1	-13.51	-15.34	-14.76	-14.54		ppb
Silver	107-1	0.00	0.01	0.01	0.01	26.13	ppb
Silver	109-1	0.01	0.01	0.01	0.01	10.54	ppb
Sodium	23-2	34.06	34.45	34.56	34.36	0.76	ppb
Strontium	86-1	-0.03	-0.06	-0.08	-0.06		ppb
Strontium	88-1	0.00	0.00	0.00	0.00		ppb
Sulfur	34-1	-1121.04	-1205.34	-1183.15	-1169.84		ppb
Terbium	159-1				109		%
Terbium	159-2				113		%
Thallium	203-1	-0.01	-0.01	-0.01	-0.01		ppb
Thallium	205-1	-0.01	-0.01	-0.02	-0.01		ppb
Tin	118-1	-0.05	-0.07	-0.06	-0.06		ppb
Titanium	47-1	0.03	0.03	0.03	0.03	10.78	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCB06	Instrumnet Name :	P7
Client Sample ID :	CCB06	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 17:47:19	DataFile Name :	093CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	33.07	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	102.21	ppb
Yttrium	89-1				112		%
Yttrium	89-2				109		%
Zinc	66-2	0.01	-0.03	0.03	0.00	838.80	ppb
Zirconium	90-1	0.00	0.02	0.01	0.01	91.27	ppb
Zirconium	91-1	0.02	0.01	0.02	0.01	36.62	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2747-10ADLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-GRILLO-TSCP0	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 17:50:55	DataFile Name :	094SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	7626.05	7488.81	7666.77	7593.87	1.23	ppb
Antimony	121-1	77.99	78.14	79.98	78.70	1.41	ppb
Arsenic	75-2	164.62	166.10	159.90	163.54	1.98	ppb
Barium	135-1	373.36	370.90	377.08	373.78	0.83	ppb
Barium	137-1	364.43	362.91	375.16	367.50	1.82	ppb
Beryllium	9-1	92.03	93.64	93.88	93.19	1.08	ppb
Bismuth	209-1				105		%
Bismuth	209-2				110		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	91.99	92.40	90.05	91.48	1.38	ppb
Cadmium	106-1	88.99	91.71	93.94	91.54	2.71	ppb
Cadmium	111-1	93.48	94.87	94.99	94.45	0.89	ppb
Calcium	43-1	46515.71	46198.80	46495.47	46403.33	0.38	ppb
Calcium	44-1	52903.40	52731.97	52660.45	52765.27	0.24	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	80.37	79.98	80.81	80.39	0.51	ppb
Cobalt	59-2	87.70	88.13	87.87	87.90	0.25	ppb
Copper	63-2	890.33	881.39	885.62	885.78	0.50	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				116		%
Holmium	165-2				119		%
Indium	115-1				115		%
Indium	115-2				115		%
Iron	56-2	7489.50	7435.97	7349.35	7424.94	0.95	ppb
Iron	57-2	6698.12	6696.09	6730.21	6708.14	0.29	ppb
Iron	54-2	6488.14	6529.21	6512.63	6509.99	0.32	ppb
Krypton	83-1						cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2747-10ADLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-GRILLO-TSCP0	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 17:50:55	DataFile Name :	094SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	488.00	463.02	468.72	473.24	2.77	ppb
Lead	207-1	477.15	462.54	467.53	469.08	1.58	ppb
Lead	208-1	473.02	464.76	465.43	467.73	0.98	ppb
Lithium	6-1				106		%
Magnesium	24-2	17784.43	18064.76	18068.42	17972.54	0.91	ppb
Manganese	55-2	2213.89	2253.54	2218.04	2228.49	0.98	ppb
Molybdenum	94-1	343.75	351.85	356.26	350.62	1.81	ppb
Molybdenum	95-1	265.46	270.43	272.79	269.56	1.39	ppb
Molybdenum	96-1	273.96	274.42	282.22	276.87	1.68	ppb
Molybdenum	97-1	270.51	267.01	273.14	270.22	1.14	ppb
Molybdenum	98-1	313.10	321.71	329.11	321.31	2.49	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	101.76	102.55	102.88	102.39	0.56	ppb
Phosphorus	31-2	1688.38	1674.42	1744.55	1702.45	2.18	ppb
Potassium	39-2	17108.52	16975.54	16809.67	16964.58	0.88	ppb
Rhodium	103-1				114		%
Rhodium	103-2				114		%
Scandium	45-1				114		%
Scandium	45-2				110		%
Selenium	82-1	86.43	83.38	82.79	84.20	2.32	ppb
Selenium	77-2	77.50	81.28	79.22	79.34	2.39	ppb
Selenium	78-2	83.52	84.89	79.35	82.58	3.49	ppb
Silicon	28-1	1768.58	1739.13	1787.31	1765.00	1.38	ppb
Silver	107-1	12.83	13.36	13.26	13.15	2.10	ppb
Silver	109-1	12.89	13.03	13.47	13.13	2.31	ppb
Sodium	23-2	10890.99	11003.69	11034.93	10976.54	0.69	ppb
Strontium	86-1	209.61	209.52	216.26	211.80	1.83	ppb
Strontium	88-1	245.76	239.28	247.87	244.30	1.83	ppb
Sulfur	34-1	80990.76	79836.69	80175.05	80334.17	0.74	ppb
Terbium	159-1				116		%
Terbium	159-2				118		%
Thallium	203-1	74.83	73.17	73.40	73.80	1.22	ppb
Thallium	205-1	73.62	72.65	71.30	72.52	1.60	ppb
Tin	118-1	69.88	70.82	71.79	70.83	1.35	ppb
Titanium	47-1	2.86	5.16	2.97	3.66	35.45	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2747-10ADLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-GRILLO-TSCP0	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 17:50:55	DataFile Name :	094SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	64.56	63.44	62.83	63.61	1.38	ppb
Vanadium	51-2	95.64	97.69	96.92	96.75	1.07	ppb
Yttrium	89-1				120		%
Yttrium	89-2				118		%
Zinc	66-2	1079.48	1062.46	1069.71	1070.55	0.80	ppb
Zirconium	90-1	72.76	73.52	76.07	74.11	2.34	ppb
Zirconium	91-1	75.84	77.55	79.00	77.46	2.04	ppb

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCV07	Instrumnet Name :	P7
Client Sample ID :	CCV07	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 17:53:58	DataFile Name :	095CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	48692.50	51330.80	50119.12	50047.48	2.64	ppb
Antimony	121-1	519.07	507.06	515.12	513.75	1.19	ppb
Arsenic	75-2	480.78	480.02	485.46	482.08	0.61	ppb
Barium	135-1	2578.90	2521.59	2623.55	2574.68	1.99	ppb
Barium	137-1	2556.03	2532.70	2524.33	2537.69	0.65	ppb
Beryllium	9-1	508.76	509.09	509.08	508.98	0.04	ppb
Bismuth	209-1				101		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	497.62	486.14	484.94	489.57	1.43	ppb
Cadmium	106-1	504.35	477.48	485.75	489.20	2.81	ppb
Cadmium	111-1	504.21	486.53	493.74	494.83	1.80	ppb
Calcium	43-1	246879.63	251640.33	249327.74	249282.57	0.96	ppb
Calcium	44-1	248541.12	250950.55	251158.59	250216.75	0.58	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	505.36	531.59	521.69	519.55	2.55	ppb
Cobalt	59-2	503.55	511.09	506.08	506.91	0.76	ppb
Copper	63-2	4904.94	5021.38	5069.14	4998.48	1.69	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				116		%
Holmium	165-2				117		%
Indium	115-1				110		%
Indium	115-2				108		%
Iron	56-2	127480.69	132242.13	132084.01	130602.27	2.07	ppb
Iron	57-2	126744.94	129220.34	131035.34	129000.21	1.67	ppb
Iron	54-2	129716.39	126789.03	130762.30	129089.24	1.60	ppb
Krypton	83-1						cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCV07	Instrumnet Name :	P7
Client Sample ID :	CCV07	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 17:53:58	DataFile Name :	095CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2549.55	2708.64	2644.19	2634.13	3.04	ppb
Lead	207-1	2526.10	2539.29	2550.28	2538.56	0.48	ppb
Lead	208-1	2503.35	2596.31	2579.79	2559.82	1.94	ppb
Lithium	6-1				106		%
Magnesium	24-2	250137.14	252275.08	249620.08	250677.44	0.56	ppb
Manganese	55-2	4940.79	4965.97	5062.83	4989.86	1.29	ppb
Molybdenum	94-1	4868.25	5033.79	5054.06	4985.37	2.04	ppb
Molybdenum	95-1	4977.95	5027.71	5040.85	5015.50	0.66	ppb
Molybdenum	96-1	4878.63	5010.78	4977.45	4955.62	1.39	ppb
Molybdenum	97-1	4867.06	5019.39	5066.54	4984.33	2.09	ppb
Molybdenum	98-1	4876.47	4989.10	5039.71	4968.43	1.68	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	491.95	492.11	499.89	494.65	0.92	ppb
Phosphorus	31-2	9699.63	9758.11	10038.70	9832.15	1.84	ppb
Potassium	39-2	124064.15	124369.80	124680.46	124371.47	0.25	ppb
Rhodium	103-1				108		%
Rhodium	103-2				108		%
Scandium	45-1				114		%
Scandium	45-2				108		%
Selenium	82-1	464.18	472.61	474.62	470.47	1.18	ppb
Selenium	77-2	463.05	455.33	493.19	470.53	4.25	ppb
Selenium	78-2	459.72	457.18	474.02	463.64	1.96	ppb
Silicon	28-1	983.31	983.15	990.57	985.67	0.43	ppb
Silver	107-1	511.12	486.02	507.45	501.53	2.70	ppb
Silver	109-1	511.34	493.31	499.36	501.34	1.83	ppb
Sodium	23-2	246176.03	246391.56	242978.84	245182.14	0.78	ppb
Strontium	86-1	436.18	442.18	444.64	441.00	0.99	ppb
Strontium	88-1	507.69	513.01	518.79	513.16	1.08	ppb
Sulfur	34-1	8064.51	7899.43	7981.45	7981.80	1.03	ppb
Terbium	159-1				115		%
Terbium	159-2				115		%
Thallium	203-1	529.32	538.18	532.97	533.49	0.84	ppb
Thallium	205-1	513.45	529.88	531.50	524.94	1.90	ppb
Tin	118-1	529.36	511.35	519.34	520.02	1.73	ppb
Titanium	47-1	4998.85	5061.25	5021.41	5027.17	0.63	ppb

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCV07	Instrumnet Name :	P7
Client Sample ID :	CCV07	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 17:53:58	DataFile Name :	095CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	483.14	485.82	501.10	490.02	1.98	ppb
Vanadium	51-2	524.57	526.95	528.58	526.70	0.38	ppb
Yttrium	89-1				117		%
Yttrium	89-2				113		%
Zinc	66-2	4861.10	4924.77	4858.11	4881.33	0.77	ppb
Zirconium	90-1	499.55	510.29	513.52	507.79	1.44	ppb
Zirconium	91-1	435.63	448.39	445.12	443.05	1.50	ppb

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCB07	Instrumnet Name :	P7
Client Sample ID :	CCB07	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 18:00:25	DataFile Name :	096CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-1.56	-1.62	-1.24	-1.47		ppb
Antimony	121-1	0.06	0.05	0.06	0.06	10.40	ppb
Arsenic	75-2	-0.01	-0.03	-0.03	-0.02		ppb
Barium	135-1	0.00	0.00	0.02	0.01	132.72	ppb
Barium	137-1	-0.02	0.00	0.01	-0.01		ppb
Beryllium	9-1	0.01	0.01	0.01	0.01	31.52	ppb
Bismuth	209-1				103		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.02	-0.04	0.05	0.01	461.68	ppb
Cadmium	106-1	-5.41	-5.40	-4.90	-5.24		ppb
Cadmium	111-1	-0.38	-0.38	-0.35	-0.37		ppb
Calcium	43-1	-7.84	-6.60	-6.51	-6.98		ppb
Calcium	44-1	30.87	34.74	30.78	32.13	7.04	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.00	0.01	-0.05	-0.01		ppb
Cobalt	59-2	-0.01	0.00	-0.01	0.00		ppb
Copper	63-2	-0.15	-0.15	-0.16	-0.15		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				111		%
Holmium	165-2				113		%
Indium	115-1				112		%
Indium	115-2				111		%
Iron	56-2	0.66	0.68	0.53	0.62	13.62	ppb
Iron	57-2	2.26	1.85	0.81	1.64	45.70	ppb
Iron	54-2	0.42	1.08	0.80	0.77	43.37	ppb
Krypton	83-1						cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCB07	Instrumnet Name :	P7
Client Sample ID :	CCB07	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 18:00:25	DataFile Name :	096CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.03	0.02	0.01	0.02	49.54	ppb
Lead	207-1	0.00	0.03	0.02	0.02	102.81	ppb
Lead	208-1	0.02	0.02	0.02	0.02	3.41	ppb
Lithium	6-1				103		%
Magnesium	24-2	0.93	1.17	1.00	1.03	11.84	ppb
Manganese	55-2	0.51	0.24	0.36	0.37	36.37	ppb
Molybdenum	94-1	0.06	0.09	0.06	0.07	24.14	ppb
Molybdenum	95-1	0.04	0.04	0.04	0.04	1.25	ppb
Molybdenum	96-1	0.05	0.06	0.04	0.05	15.74	ppb
Molybdenum	97-1	0.05	0.04	0.06	0.05	18.57	ppb
Molybdenum	98-1	0.04	0.03	0.04	0.03	10.54	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.06	0.00	-0.01	-0.02		ppb
Phosphorus	31-2	-59.48	-61.62	-67.55	-62.88		ppb
Potassium	39-2	17.01	18.59	22.65	19.42	14.98	ppb
Rhodium	103-1				110		%
Rhodium	103-2				108		%
Scandium	45-1				108		%
Scandium	45-2				104		%
Selenium	82-1	-0.76	0.49	0.37	0.03	2067.62	ppb
Selenium	77-2	0.87	-0.09	0.16	0.31	159.41	ppb
Selenium	78-2	-0.85	-0.06	-0.81	-0.57		ppb
Silicon	28-1	-17.09	-1.60	-16.15	-11.62		ppb
Silver	107-1	0.01	0.01	0.01	0.01	9.06	ppb
Silver	109-1	0.01	0.01	0.00	0.01	47.41	ppb
Sodium	23-2	37.24	38.87	37.83	37.98	2.16	ppb
Strontium	86-1	-0.05	0.03	-0.06	-0.03		ppb
Strontium	88-1	0.00	0.00	0.00	0.00		ppb
Sulfur	34-1	-1602.51	-1434.24	-1618.95	-1551.90		ppb
Terbium	159-1				111		%
Terbium	159-2				111		%
Thallium	203-1	0.00	0.00	0.00	0.00	1344.55	ppb
Thallium	205-1	0.00	0.00	0.00	0.00		ppb
Tin	118-1	-0.07	-0.10	-0.07	-0.08		ppb
Titanium	47-1	0.02	0.01	0.00	0.01	113.39	ppb

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCB07	Instrumnet Name :	P7
Client Sample ID :	CCB07	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 18:00:25	DataFile Name :	096CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	38.58	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	169.73	ppb
Yttrium	89-1				112		%
Yttrium	89-2				110		%
Zinc	66-2	-0.16	-0.13	-0.15	-0.15		ppb
Zirconium	90-1	0.01	0.01	0.02	0.01	49.80	ppb
Zirconium	91-1	0.02	0.02	0.01	0.01	30.42	ppb

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 11:28:07	DataFile Name :	004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	630	670	663	654	3.27	cps
Antimony	121-1	33	37	53	41	26.06	cps
Arsenic	75-2	7	13	7	9	43.25	cps
Barium	135-1	37	7	40	28	66.08	cps
Barium	137-1	63	63	67	64	2.99	cps
Beryllium	9-1	0	7	0	2	169.41	cps
Bismuth	209-1	4211808	4349646	4402779	4321411	2.28	cps
Bismuth	209-2	4287584	4163836	4191766	4214395	1.54	cps
Bromine	81-1	8643	9166	8703	8837	3.24	cps
Bromine	81-2	97	143	110	117	20.60	cps
Cadmium	108-1	10	10	10	10	0.00	cps
Cadmium	106-1	2300	2234	2494	2342	5.77	cps
Cadmium	111-1	1616	1570	1749	1645	5.63	cps
Calcium	43-1	427	400	377	401	6.24	cps
Calcium	44-1	32735	33637	33290	33221	1.37	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1977	2010	1983	1990	0.89	cps
Cobalt	59-2	73	103	90	89	16.91	cps
Copper	63-2	1343	1457	1627	1476	9.66	cps
Dysprosium	156-1	7	0	7	4	86.60	cps
Dysprosium	156-2	3	0	0	1	173.21	cps
Erbium	164-1	33	37	40	37	9.10	cps
Erbium	164-2	47	17	47	37	47.23	cps
Gadolinium	160-1	67	33	57	52	32.76	cps
Gadolinium	160-2	287	343	350	327	10.65	cps
Holmium	165-1	6689798	6625937	6827089	6714274	1.53	cps
Holmium	165-2	5682432	5590644	5441876	5571651	2.18	cps
Indium	115-1	5909266	5890813	5848079	5882719	0.53	cps
Indium	115-2	2463740	2344250	2359644	2389211	2.72	cps
Iron	56-2	19810	19169	18782	19254	2.70	cps
Iron	57-2	1223	1257	1127	1202	5.62	cps
Iron	54-2	2380	2427	2284	2364	3.09	cps
Krypton	83-1	443	447	427	439	2.44	cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 11:28:07	DataFile Name :	004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	410	463	440	438	6.11	cps
Lead	207-1	420	313	397	377	14.89	cps
Lead	208-1	1643	1587	1630	1620	1.83	cps
Lithium	6-1	486312	496887	491804	491668	1.08	cps
Magnesium	24-2	360	297	317	324	9.98	cps
Manganese	55-2	5191	5284	5524	5333	3.23	cps
Molybdenum	94-1	217	227	210	218	3.85	cps
Molybdenum	95-1	207	210	240	219	8.39	cps
Molybdenum	96-1	253	250	223	242	6.79	cps
Molybdenum	97-1	137	147	140	141	3.61	cps
Molybdenum	98-1	323	323	270	306	10.08	cps
Neodymium	150-1	3	0	0	1	173.21	cps
Neodymium	150-2	3	3	3	3	0.00	cps
Nickel	60-2	443	447	447	446	0.43	cps
Phosphorus	31-2	843	887	923	884	4.53	cps
Potassium	39-2	65564	64590	65205	65120	0.76	cps
Rhodium	103-1	5956247	5939070	6029269	5974862	0.80	cps
Rhodium	103-2	3895762	3926009	3883849	3901873	0.56	cps
Scandium	45-1	3874437	3813322	3878108	3855289	0.94	cps
Scandium	45-2	331532	327523	327742	328932	0.69	cps
Selenium	82-1	279	248	282	270	6.88	cps
Selenium	77-2	3	0	0	1	173.21	cps
Selenium	78-2	463	523	403	463	12.95	cps
Silicon	28-1	683233	708107	707096	699479	2.01	cps
Silver	107-1	47	63	33	48	31.46	cps
Silver	109-1	43	50	33	42	19.87	cps
Sodium	23-2	25127	25081	25121	25109	0.10	cps
Strontium	86-1	747	793	737	759	3.99	cps
Strontium	88-1	193	267	230	230	15.94	cps
Sulfur	34-1	197738	200223	197354	198438	0.78	cps
Terbium	159-1	6856064	6901242	6987184	6914830	0.96	cps
Terbium	159-2	5529582	5457328	5440580	5475830	0.86	cps
Thallium	203-1	227	220	213	220	3.03	cps
Thallium	205-1	527	477	527	510	5.66	cps
Tin	118-1	2130	1950	1903	1995	6.00	cps
Titanium	47-1	120	93	90	101	16.26	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 11:28:07	DataFile Name :	004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	7	17	13	12	41.65	cps
Vanadium	51-2	17	23	10	17	39.99	cps
Yttrium	89-1	9131957	8975066	9367406	9158143	2.16	cps
Yttrium	89-2	2772074	2788816	2720608	2760499	1.29	cps
Zinc	66-2	770	750	650	723	8.89	cps
Zirconium	90-1	463	373	427	421	10.75	cps
Zirconium	91-1	73	77	80	77	4.35	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 11:34:45	DataFile Name :	006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3420	3364	3080	3288	5.54	cps
Antimony	121-1	9910	10094	9740	9915	1.78	cps
Arsenic	75-2	343	417	410	390	10.40	cps
Barium	135-1	11435	11385	11398	11406	0.23	cps
Barium	137-1	20388	20084	19947	20140	1.12	cps
Beryllium	9-1	863	841	936	880	5.62	cps
Bismuth	209-1	4374870	4258843	4326815	4320176	1.35	cps
Bismuth	209-2	4271996	4211891	4240757	4241548	0.71	cps
Bromine	81-1	9073	8806	8623	8834	2.56	cps
Bromine	81-2	117	123	107	116	7.26	cps
Cadmium	108-1	73	117	93	94	22.97	cps
Cadmium	106-1	2587	2564	2534	2561	1.04	cps
Cadmium	111-1	3253	3086	3145	3161	2.67	cps
Calcium	43-1	8292	8376	8482	8383	1.14	cps
Calcium	44-1	160025	161531	158556	160037	0.93	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	7752	7469	7525	7582	1.98	cps
Cobalt	59-2	4661	4457	4471	4530	2.51	cps
Copper	63-2	7499	7288	7355	7381	1.45	cps
Dysprosium	156-1	17	17	0	11	86.60	cps
Dysprosium	156-2	17	3	13	11	62.48	cps
Erbium	164-1	40	50	23	38	35.67	cps
Erbium	164-2	57	37	37	43	26.64	cps
Gadolinium	160-1	63	30	73	56	40.84	cps
Gadolinium	160-2	287	270	333	297	11.07	cps
Holmium	165-1	6673994	6823200	6729182	6742125	1.12	cps
Holmium	165-2	5620402	5547466	5494586	5554151	1.14	cps
Indium	115-1	5985589	5878262	5834062	5899304	1.32	cps
Indium	115-2	2419228	2386891	2377719	2394612	0.91	cps
Iron	56-2	151826	149375	148244	149815	1.22	cps
Iron	57-2	4811	4807	4717	4779	1.11	cps
Iron	54-2	9620	9703	9637	9653	0.46	cps
Krypton	83-1	463	457	483	468	2.97	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 11:34:45	DataFile Name :	006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4001	3971	3931	3967	0.89	cps
Lead	207-1	3297	3490	3541	3443	3.73	cps
Lead	208-1	15590	15570	15690	15617	0.41	cps
Lithium	6-1	509550	503843	499304	504232	1.02	cps
Magnesium	24-2	124544	124081	123798	124141	0.30	cps
Manganese	55-2	7105	7202	7238	7182	0.96	cps
Molybdenum	94-1	11618	11344	11385	11449	1.29	cps
Molybdenum	95-1	13490	13807	13937	13744	1.67	cps
Molybdenum	96-1	15065	15268	15392	15241	1.08	cps
Molybdenum	97-1	8533	8583	8849	8655	1.97	cps
Molybdenum	98-1	21586	22327	22170	22028	1.77	cps
Neodymium	150-1	3	3	3	3	0.00	cps
Neodymium	150-2	3	3	3	3	0.00	cps
Nickel	60-2	1463	1597	1553	1538	4.42	cps
Phosphorus	31-2	1133	1107	1007	1082	6.17	cps
Potassium	39-2	218764	216207	219222	218064	0.74	cps
Rhodium	103-1	5956615	6078781	5911384	5982260	1.45	cps
Rhodium	103-2	3888797	3894709	3811037	3864848	1.21	cps
Scandium	45-1	3892795	3815578	3857578	3855317	1.00	cps
Scandium	45-2	329647	326390	323910	326649	0.88	cps
Selenium	82-1	897	883	820	867	4.71	cps
Selenium	77-2	87	63	47	66	30.65	cps
Selenium	78-2	660	620	623	634	3.50	cps
Silicon	28-1	705786	691975	696915	698225	1.00	cps
Silver	107-1	6872	7205	7159	7078	2.55	cps
Silver	109-1	6375	6578	6735	6563	2.75	cps
Sodium	23-2	218426	213809	215822	216019	1.07	cps
Strontium	86-1	2527	2380	2290	2399	4.98	cps
Strontium	88-1	15195	14681	15038	14971	1.76	cps
Sulfur	34-1	199241	200680	200585	200168	0.40	cps
Terbium	159-1	6967431	6799414	6902594	6889813	1.23	cps
Terbium	159-2	5450381	5372400	5595020	5472600	2.06	cps
Thallium	203-1	4311	4688	4624	4541	4.44	cps
Thallium	205-1	10674	10841	11108	10874	2.01	cps
Tin	118-1	22307	22414	22020	22247	0.92	cps
Titanium	47-1	3801	3947	4017	3922	2.82	cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 11:34:45	DataFile Name :	006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	13353	13540	13147	13347	1.48	cps
Vanadium	51-2	11675	11484	11521	11560	0.87	cps
Yttrium	89-1	9307235	9127147	9252868	9229084	1.00	cps
Yttrium	89-2	2779377	2775546	2688183	2747702	1.88	cps
Zinc	66-2	3520	3684	3704	3636	2.77	cps
Zirconium	90-1	9633	9480	9783	9632	1.58	cps
Zirconium	91-1	2097	2224	2154	2158	2.94	cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 11:38:04	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	142661	146604	144518	144594	1.36	cps
Antimony	121-1	239174	243567	241030	241257	0.91	cps
Arsenic	75-2	17457	17530	17407	17465	0.36	cps
Barium	135-1	279729	281784	281460	280991	0.39	cps
Barium	137-1	482222	497031	489091	489448	1.51	cps
Beryllium	9-1	40007	40087	40283	40126	0.35	cps
Bismuth	209-1	4244753	4376223	4387773	4336250	1.83	cps
Bismuth	209-2	4227500	4269603	4249394	4248832	0.50	cps
Bromine	81-1	8883	8823	8943	8883	0.68	cps
Bromine	81-2	110	70	103	94	22.69	cps
Cadmium	108-1	4884	5208	4988	5026	3.29	cps
Cadmium	106-1	9590	9190	9433	9404	2.14	cps
Cadmium	111-1	70241	71457	72112	71270	1.33	cps
Calcium	43-1	77273	79132	78144	78183	1.19	cps
Calcium	44-1	1460022	1456115	1421275	1445804	1.48	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	134444	135243	135117	134935	0.32	cps
Cobalt	59-2	206683	205245	207860	206596	0.63	cps
Copper	63-2	1876797	1883686	1909252	1889912	0.90	cps
Dysprosium	156-1	7	10	10	9	21.63	cps
Dysprosium	156-2	30	13	33	26	41.94	cps
Erbium	164-1	67	97	37	67	45.00	cps
Erbium	164-2	27	40	23	30	29.40	cps
Gadolinium	160-1	70	70	63	68	5.68	cps
Gadolinium	160-2	290	287	387	321	17.69	cps
Holmium	165-1	6819578	6703980	6801354	6774971	0.92	cps
Holmium	165-2	5443668	5536086	5555053	5511602	1.08	cps
Indium	115-1	5935501	5891571	6013380	5946817	1.04	cps
Indium	115-2	2413434	2410888	2414236	2412853	0.07	cps
Iron	56-2	7254025	7306973	7194084	7251694	0.78	cps
Iron	57-2	166246	163689	164315	164750	0.81	cps
Iron	54-2	365887	365107	366549	365848	0.20	cps
Krypton	83-1	430	380	440	417	7.71	cps

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LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 11:38:04	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	859322	871605	879183	870037	1.15	cps
Lead	207-1	735844	746538	752718	745033	1.15	cps
Lead	208-1	3796820	3830158	3865184	3830721	0.89	cps
Lithium	6-1	503770	506320	512369	507486	0.87	cps
Magnesium	24-2	1444096	1484392	1429686	1452725	1.95	cps
Manganese	55-2	1119617	1126024	1120536	1122059	0.31	cps
Molybdenum	94-1	923586	927631	926823	926013	0.23	cps
Molybdenum	95-1	1532243	1553897	1523877	1536673	1.01	cps
Molybdenum	96-1	1659237	1705916	1681520	1682224	1.39	cps
Molybdenum	97-1	823112	835231	834054	830799	0.80	cps
Molybdenum	98-1	2457080	2496440	2491296	2481605	0.86	cps
Neodymium	150-1	23	10	13	16	44.60	cps
Neodymium	150-2	0	0	7	2	173.21	cps
Nickel	60-2	53823	54131	54660	54204	0.78	cps
Phosphorus	31-2	8552	8589	8556	8566	0.24	cps
Potassium	39-2	813480	823768	815121	817456	0.68	cps
Rhodium	103-1	6028620	6003022	6034357	6021999	0.28	cps
Rhodium	103-2	3892797	3925430	3907745	3908658	0.42	cps
Scandium	45-1	3888002	3924691	3835744	3882812	1.15	cps
Scandium	45-2	327030	328909	328796	328245	0.32	cps
Selenium	82-1	5910	5883	5977	5923	0.82	cps
Selenium	77-2	680	730	570	660	12.40	cps
Selenium	78-2	2634	2667	2620	2640	0.91	cps
Silicon	28-1	1218651	1258252	1255111	1244005	1.77	cps
Silver	107-1	338874	351121	350488	346828	1.99	cps
Silver	109-1	317775	327265	328494	324512	1.81	cps
Sodium	23-2	2291915	2295114	2310523	2299184	0.43	cps
Strontium	86-1	84565	86754	85256	85525	1.31	cps
Strontium	88-1	731476	758154	747489	745707	1.80	cps
Sulfur	34-1	220748	217924	218387	219020	0.69	cps
Terbium	159-1	7054538	6992987	7070986	7039504	0.58	cps
Terbium	159-2	5504797	5556001	5551626	5537475	0.51	cps
Thallium	203-1	213092	217011	214697	214933	0.92	cps
Thallium	205-1	502372	513964	514346	510227	1.33	cps
Tin	118-1	203115	206062	204894	204690	0.73	cps
Titanium	47-1	361788	367291	366384	365155	0.81	cps

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Inst Id :P7
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LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 11:38:04	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	636654	647366	641136	641719	0.84	cps
Vanadium	51-2	112237	112872	110216	111775	1.24	cps
Yttrium	89-1	9408732	9429419	9339579	9392576	0.50	cps
Yttrium	89-2	2705105	2736943	2710044	2717364	0.63	cps
Zinc	66-2	303654	303668	303243	303522	0.08	cps
Zirconium	90-1	449110	458966	453691	453922	1.09	cps
Zirconium	91-1	99696	100532	100431	100220	0.46	cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P7
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 11:41:13	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	362938	364564	358818	362107	0.82	cps
Antimony	121-1	599660	607939	611204	606268	0.98	cps
Arsenic	75-2	44553	44440	44189	44394	0.42	cps
Barium	135-1	697994	712246	709290	706510	1.06	cps
Barium	137-1	1219357	1233795	1236839	1229997	0.76	cps
Beryllium	9-1	101236	103728	102977	102647	1.25	cps
Bismuth	209-1	4375765	4317241	4464153	4385720	1.69	cps
Bismuth	209-2	4228312	4177385	4191849	4199182	0.62	cps
Bromine	81-1	8799	8846	9016	8887	1.28	cps
Bromine	81-2	100	80	87	89	11.46	cps
Cadmium	108-1	12569	12659	12889	12706	1.30	cps
Cadmium	106-1	19223	19400	19370	19331	0.49	cps
Cadmium	111-1	174390	175729	176840	175653	0.70	cps
Calcium	43-1	191218	196824	195011	194351	1.47	cps
Calcium	44-1	3498923	3566666	3551010	3538866	1.00	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	342020	338422	334904	338449	1.05	cps
Cobalt	59-2	519942	524364	520574	521627	0.46	cps
Copper	63-2	4792018	4795102	4700002	4762374	1.13	cps
Dysprosium	156-1	23	13	23	20	28.87	cps
Dysprosium	156-2	33	33	33	33	0.00	cps
Erbium	164-1	47	70	47	54	24.74	cps
Erbium	164-2	50	40	40	43	13.32	cps
Gadolinium	160-1	70	70	57	66	11.74	cps
Gadolinium	160-2	343	383	353	360	5.78	cps
Holmium	165-1	6972407	6850499	6838794	6887233	1.07	cps
Holmium	165-2	5659443	5548896	5433088	5547142	2.04	cps
Indium	115-1	5779163	5953562	5696616	5809781	2.26	cps
Indium	115-2	2399112	2380151	2393709	2390991	0.41	cps
Iron	56-2	18832513	18454730	18616074	18634439	1.02	cps
Iron	57-2	415644	411257	411547	412816	0.59	cps
Iron	54-2	916982	927065	923560	922536	0.55	cps
Krypton	83-1	463	437	380	427	9.97	cps

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LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P7
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 11:41:13	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2730822	2728876	2692341	2717347	0.80	cps
Lead	207-1	2343492	2335020	2291283	2323265	1.21	cps
Lead	208-1	10673757	10653855	10653233	10660282	0.11	cps
Lithium	6-1	507166	507971	507759	507632	0.08	cps
Magnesium	24-2	3644213	3680207	3619722	3648047	0.83	cps
Manganese	55-2	3352225	3352705	3309339	3338090	0.75	cps
Molybdenum	94-1	2683241	2741159	2701524	2708641	1.09	cps
Molybdenum	95-1	3837178	3843275	3820132	3833528	0.31	cps
Molybdenum	96-1	4102163	4225105	4185766	4171011	1.51	cps
Molybdenum	97-1	2393296	2343502	2407361	2381387	1.41	cps
Molybdenum	98-1	6110260	6181945	6229456	6173887	0.97	cps
Neodymium	150-1	33	37	23	31	22.31	cps
Neodymium	150-2	7	3	13	8	65.47	cps
Nickel	60-2	137768	140364	137430	138520	1.16	cps
Phosphorus	31-2	21475	20741	21335	21184	1.84	cps
Potassium	39-2	2168320	2206125	2146360	2173602	1.39	cps
Rhodium	103-1	5897208	5971932	5922139	5930426	0.64	cps
Rhodium	103-2	3922150	3888165	3853250	3887855	0.89	cps
Scandium	45-1	3835351	3825934	3785083	3815456	0.70	cps
Scandium	45-2	331120	329914	327731	329588	0.52	cps
Selenium	82-1	13845	14214	14122	14060	1.37	cps
Selenium	77-2	1717	1680	1580	1659	4.26	cps
Selenium	78-2	5911	5895	5818	5875	0.85	cps
Silicon	28-1	1589600	1609067	1582308	1593658	0.87	cps
Silver	107-1	858952	873604	863914	865490	0.86	cps
Silver	109-1	808502	813873	811611	811328	0.33	cps
Sodium	23-2	5575245	5643547	5643938	5620910	0.70	cps
Strontium	86-1	211621	216393	211734	213249	1.28	cps
Strontium	88-1	2174392	2148190	2210542	2177708	1.44	cps
Sulfur	34-1	253095	252073	253320	252829	0.26	cps
Terbium	159-1	6943734	6929633	6953912	6942426	0.18	cps
Terbium	159-2	5654562	5537900	5485626	5559363	1.56	cps
Thallium	203-1	544723	542530	549872	545708	0.69	cps
Thallium	205-1	1274427	1295376	1306840	1292214	1.27	cps
Tin	118-1	505276	509877	508827	507993	0.47	cps
Titanium	47-1	897440	913410	910490	907113	0.94	cps

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LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P7
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 11:41:13	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	2035500	2020123	2002206	2019276	0.83	cps
Vanadium	51-2	285713	284377	282045	284045	0.65	cps
Yttrium	89-1	9207141	9269774	9198191	9225035	0.42	cps
Yttrium	89-2	2790120	2782980	2686537	2753212	2.10	cps
Zinc	66-2	767662	760641	754018	760774	0.90	cps
Zirconium	90-1	1121394	1142161	1142228	1135261	1.06	cps
Zirconium	91-1	250520	255258	254633	253470	1.02	cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 11:44:11	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	715281	717700	707680	713553	0.73	cps
Antimony	121-1	1192062	1213197	1215579	1206946	1.07	cps
Arsenic	75-2	87975	88693	87127	87932	0.89	cps
Barium	135-1	1653786	1706273	1705955	1688671	1.79	cps
Barium	137-1	2912882	2945438	3056615	2971645	2.54	cps
Beryllium	9-1	203364	204202	206758	204775	0.86	cps
Bismuth	209-1	4408356	4419553	4512583	4446831	1.29	cps
Bismuth	209-2	4207250	4132035	4165688	4168324	0.90	cps
Bromine	81-1	8559	8779	8873	8737	1.84	cps
Bromine	81-2	130	120	123	124	4.09	cps
Cadmium	108-1	24761	25078	25606	25149	1.70	cps
Cadmium	106-1	37241	37137	37355	37245	0.29	cps
Cadmium	111-1	349985	348337	350844	349722	0.36	cps
Calcium	43-1	382053	389356	387607	386339	0.99	cps
Calcium	44-1	6848988	7160564	6983177	6997576	2.23	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	665950	661780	656467	661399	0.72	cps
Cobalt	59-2	1029911	1026052	1025677	1027213	0.23	cps
Copper	63-2	9496829	9322502	9311455	9376929	1.11	cps
Dysprosium	156-1	17	37	27	27	37.50	cps
Dysprosium	156-2	90	113	73	92	21.79	cps
Erbium	164-1	53	70	53	59	16.34	cps
Erbium	164-2	47	87	43	59	40.95	cps
Gadolinium	160-1	77	67	53	66	17.86	cps
Gadolinium	160-2	317	337	327	327	3.06	cps
Holmium	165-1	6904828	6972940	6952219	6943329	0.50	cps
Holmium	165-2	5620478	5542319	5519787	5560861	0.95	cps
Indium	115-1	5847166	5863518	5726582	5812422	1.29	cps
Indium	115-2	2340945	2339421	2378216	2352861	0.93	cps
Iron	56-2	36024226	36504551	36701147	36409975	0.96	cps
Iron	57-2	817696	818399	818617	818237	0.06	cps
Iron	54-2	2105479	2051645	2031818	2062980	1.85	cps
Krypton	83-1	463	440	457	453	2.65	cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 11:44:11	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	5473775	5499468	5657431	5543558	1.79	cps
Lead	207-1	4701081	4690755	4875365	4755734	2.18	cps
Lead	208-1	21459114	21235825	22162851	21619263	2.24	cps
Lithium	6-1	510198	513277	513636	512371	0.37	cps
Magnesium	24-2	7295114	7201381	7100973	7199156	1.35	cps
Manganese	55-2	6486209	6460750	6357704	6434888	1.06	cps
Molybdenum	94-1	5432235	5479706	5504583	5472175	0.67	cps
Molybdenum	95-1	7801607	7859742	7839353	7833568	0.38	cps
Molybdenum	96-1	8465982	8411216	8306950	8394716	0.96	cps
Molybdenum	97-1	4866929	4808667	4932249	4869282	1.27	cps
Molybdenum	98-1	12364564	12507292	12599323	12490393	0.95	cps
Neodymium	150-1	47	57	57	53	10.82	cps
Neodymium	150-2	23	17	3	14	70.51	cps
Nickel	60-2	272458	270162	269809	270810	0.53	cps
Phosphorus	31-2	40373	39935	40273	40194	0.57	cps
Potassium	39-2	4280466	4234913	4227895	4247758	0.67	cps
Rhodium	103-1	5939947	5846345	5995425	5927239	1.27	cps
Rhodium	103-2	3914237	3816441	3903534	3878071	1.38	cps
Scandium	45-1	3902254	3873876	3776885	3851005	1.71	cps
Scandium	45-2	327776	327304	325183	326754	0.42	cps
Selenium	82-1	27434	27655	28028	27706	1.08	cps
Selenium	77-2	3300	3227	3317	3282	1.46	cps
Selenium	78-2	11271	11344	11274	11297	0.37	cps
Silicon	28-1	2105069	2135000	2175916	2138662	1.66	cps
Silver	107-1	2013040	2033026	2049505	2031857	0.90	cps
Silver	109-1	1887258	1927834	1922207	1912433	1.15	cps
Sodium	23-2	11387949	11145898	11282760	11272203	1.08	cps
Strontium	86-1	427205	427564	432761	429177	0.72	cps
Strontium	88-1	4340867	4315100	4392450	4349472	0.91	cps
Sulfur	34-1	303324	304415	304160	303967	0.19	cps
Terbium	159-1	7081051	7139879	7151633	7124188	0.53	cps
Terbium	159-2	5542219	5393130	5561259	5498869	1.67	cps
Thallium	203-1	1087979	1096446	1105986	1096804	0.82	cps
Thallium	205-1	3271662	3155739	3264391	3230597	2.01	cps
Tin	118-1	1014786	1023635	1022295	1020238	0.47	cps
Titanium	47-1	2098281	2118258	2147571	2121370	1.17	cps

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Inst Id :P7
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LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 11:44:11	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	4064268	4179069	4189821	4144386	1.68	cps
Vanadium	51-2	562713	556415	558074	559067	0.58	cps
Yttrium	89-1	9311507	9442754	9397516	9383926	0.71	cps
Yttrium	89-2	2719402	2730226	2739844	2729824	0.37	cps
Zinc	66-2	1718526	1681722	1719864	1706704	1.27	cps
Zirconium	90-1	2636849	2648726	2687794	2657790	1.00	cps
Zirconium	91-1	504566	510192	507209	507322	0.55	cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 11:47:04	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1745868	1690879	1685891	1707546	1.95	cps
Antimony	121-1	2936292	2907747	2941119	2928386	0.62	cps
Arsenic	75-2	177601	177577	176960	177379	0.20	cps
Barium	135-1	3438787	3558660	3496052	3497833	1.71	cps
Barium	137-1	5935116	6135248	6121743	6064036	1.84	cps
Beryllium	9-1	404170	407836	412584	408197	1.03	cps
Bismuth	209-1	4436244	4525923	4493977	4485381	1.01	cps
Bismuth	209-2	4258614	4256449	4239488	4251517	0.25	cps
Bromine	81-1	8726	8699	8933	8786	1.45	cps
Bromine	81-2	113	93	113	107	10.83	cps
Cadmium	108-1	49491	51555	51277	50774	2.21	cps
Cadmium	106-1	71221	73321	72825	72455	1.52	cps
Cadmium	111-1	701015	700517	708265	703266	0.62	cps
Calcium	43-1	774262	788731	794529	785841	1.33	cps
Calcium	44-1	14026518	14427570	14359990	14271359	1.50	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1585216	1558317	1557329	1566954	1.01	cps
Cobalt	59-2	2543571	2422208	2416909	2460896	2.91	cps
Copper	63-2	18537341	18674033	18671610	18627661	0.42	cps
Dysprosium	156-1	40	37	50	42	16.43	cps
Dysprosium	156-2	157	157	90	134	28.63	cps
Erbium	164-1	103	130	153	129	19.41	cps
Erbium	164-2	87	67	77	77	13.04	cps
Gadolinium	160-1	67	50	60	59	14.25	cps
Gadolinium	160-2	303	333	260	299	12.33	cps
Holmium	165-1	7005386	7092713	6917314	7005138	1.25	cps
Holmium	165-2	5585726	5650826	5676790	5637780	0.83	cps
Indium	115-1	5847416	6027213	5959029	5944553	1.53	cps
Indium	115-2	2405581	2391105	2378293	2391659	0.57	cps
Iron	56-2	76600367	73585726	73266554	74484216	2.47	cps
Iron	57-2	1882831	1829411	1840319	1850854	1.52	cps
Iron	54-2	4137130	4149802	4017145	4101359	1.78	cps
Krypton	83-1	540	513	383	479	17.50	cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 11:47:04	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	11293847	11056715	11333933	11228165	1.33	cps
Lead	207-1	9464832	9574159	9581064	9540018	0.68	cps
Lead	208-1	43558020	44492775	44289370	44113388	1.11	cps
Lithium	6-1	522358	518832	517031	519407	0.52	cps
Magnesium	24-2	14336526	14552672	14552971	14480723	0.86	cps
Manganese	55-2	13419797	13373645	13174997	13322813	0.98	cps
Molybdenum	94-1	11026780	11070708	10988729	11028739	0.37	cps
Molybdenum	95-1	15902545	16144314	15959828	16002229	0.79	cps
Molybdenum	96-1	17302285	17455508	17397590	17385127	0.45	cps
Molybdenum	97-1	9875708	9984010	10083172	9980963	1.04	cps
Molybdenum	98-1	25410711	25177528	25740704	25442981	1.11	cps
Neodymium	150-1	113	80	80	91	21.13	cps
Neodymium	150-2	30	43	33	36	19.51	cps
Nickel	60-2	544722	540841	544512	543358	0.40	cps
Phosphorus	31-2	83436	80699	80299	81478	2.10	cps
Potassium	39-2	8562888	8588681	8557813	8569794	0.19	cps
Rhodium	103-1	6171594	6065499	6006759	6081284	1.37	cps
Rhodium	103-2	3911535	3829214	3878392	3873047	1.07	cps
Scandium	45-1	3898106	3802306	3980354	3893589	2.29	cps
Scandium	45-2	331849	331796	332533	332059	0.12	cps
Selenium	82-1	54386	55616	55869	55290	1.43	cps
Selenium	77-2	6455	6485	6555	6498	0.79	cps
Selenium	78-2	22354	22671	22534	22519	0.71	cps
Silicon	28-1	3081025	3164123	3267540	3170896	2.95	cps
Silver	107-1	3979358	4146509	4239685	4121851	3.20	cps
Silver	109-1	3791283	3935612	3841382	3856092	1.90	cps
Sodium	23-2	22531222	22769650	22447156	22582676	0.74	cps
Strontium	86-1	861938	873809	869828	868525	0.70	cps
Strontium	88-1	8770188	8874394	8835661	8826748	0.60	cps
Sulfur	34-1	417970	419822	419631	419141	0.24	cps
Terbium	159-1	7308384	7187685	7311801	7269290	0.97	cps
Terbium	159-2	5730064	5682126	5547176	5653122	1.68	cps
Thallium	203-1	2728459	2769438	2739125	2745674	0.77	cps
Thallium	205-1	6564614	6606860	6553068	6574848	0.43	cps
Tin	118-1	2380789	2458928	2418769	2419495	1.61	cps
Titanium	47-1	4213011	4285848	4365359	4288073	1.78	cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 11:47:04	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8308509	8407233	8488626	8401456	1.07	cps
Vanadium	51-2	1308233	1324994	1306867	1313365	0.77	cps
Yttrium	89-1	9404721	9398396	9421105	9408074	0.12	cps
Yttrium	89-2	2890459	2761575	2782327	2811454	2.46	cps
Zinc	66-2	3441643	3499207	3430718	3457190	1.06	cps
Zirconium	90-1	5403713	5422114	5430696	5418841	0.25	cps
Zirconium	91-1	1022880	1034762	1044727	1034123	1.06	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 11:49:49	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3395485	3426071	3378299	3399952	0.71	cps
Antimony	121-1	5721391	5909361	5842727	5824493	1.64	cps
Arsenic	75-2	355698	356174	354029	355300	0.32	cps
Barium	135-1	6854726	6955622	7048170	6952839	1.39	cps
Barium	137-1	12103511	12424198	12310609	12279439	1.32	cps
Beryllium	9-1	816912	818644	824835	820130	0.51	cps
Bismuth	209-1	4414850	4427024	4509461	4450445	1.16	cps
Bismuth	209-2	4254972	4199799	4325046	4259939	1.47	cps
Bromine	81-1	9240	9280	9390	9303	0.84	cps
Bromine	81-2	110	170	93	124	32.40	cps
Cadmium	108-1	100267	101643	101620	101177	0.78	cps
Cadmium	106-1	141075	143708	144331	143038	1.21	cps
Cadmium	111-1	1374896	1410171	1420350	1401806	1.70	cps
Calcium	43-1	1771912	1816299	1814219	1800810	1.39	cps
Calcium	44-1	28451375	29204337	29394032	29016581	1.72	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3093995	3107935	3132970	3111634	0.63	cps
Cobalt	59-2	4887119	4832321	4895051	4871497	0.70	cps
Copper	63-2	38115331	37872915	37482142	37823463	0.84	cps
Dysprosium	156-1	87	107	127	107	18.75	cps
Dysprosium	156-2	277	303	333	304	9.31	cps
Erbium	164-1	153	190	180	174	10.86	cps
Erbium	164-2	117	107	113	112	4.54	cps
Gadolinium	160-1	117	130	130	126	6.13	cps
Gadolinium	160-2	357	300	377	344	11.55	cps
Holmium	165-1	7086079	7214183	7095820	7132027	1.00	cps
Holmium	165-2	5802968	5698388	5897596	5799651	1.72	cps
Indium	115-1	5992877	5931699	5956856	5960477	0.52	cps
Indium	115-2	2362905	2403809	2320352	2362355	1.77	cps
Iron	56-2	149725451	150061114	149116951	149634506	0.32	cps
Iron	57-2	3719384	3711012	3690510	3706969	0.40	cps
Iron	54-2	8490223	8317297	8217667	8341729	1.65	cps
Krypton	83-1	493	410	483	462	9.84	cps

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LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 11:49:49	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	22302726	22445543	23091390	22613219	1.86	cps
Lead	207-1	19393940	19334670	19892594	19540401	1.57	cps
Lead	208-1	87824607	88544815	90805400	89058274	1.75	cps
Lithium	6-1	523485	519993	521511	521663	0.34	cps
Magnesium	24-2	29409977	29622314	29619086	29550459	0.41	cps
Manganese	55-2	26872791	26514176	26916065	26767678	0.82	cps
Molybdenum	94-1	22470688	23017721	23094982	22861130	1.49	cps
Molybdenum	95-1	32733815	32526576	32817827	32692739	0.46	cps
Molybdenum	96-1	35409101	35087374	35431967	35309481	0.55	cps
Molybdenum	97-1	19925465	20276681	20227232	20143126	0.94	cps
Molybdenum	98-1	52176483	51921794	52420626	52172968	0.48	cps
Neodymium	150-1	227	157	213	199	18.69	cps
Neodymium	150-2	47	37	73	52	36.29	cps
Nickel	60-2	1088033	1079409	1083898	1083780	0.40	cps
Phosphorus	31-2	160564	161377	160063	160668	0.41	cps
Potassium	39-2	17097392	17278198	17322198	17232596	0.69	cps
Rhodium	103-1	6072465	6121591	5983950	6059335	1.15	cps
Rhodium	103-2	3943590	3903289	3927308	3924729	0.52	cps
Scandium	45-1	3897055	3827308	3843564	3855975	0.95	cps
Scandium	45-2	332450	331390	332473	332104	0.19	cps
Selenium	82-1	109356	110465	111623	110481	1.03	cps
Selenium	77-2	13019	12649	12712	12793	1.55	cps
Selenium	78-2	44026	43594	43651	43757	0.54	cps
Silicon	28-1	5210146	5459721	5501636	5390501	2.92	cps
Silver	107-1	8044281	8309749	8385715	8246582	2.17	cps
Silver	109-1	7653215	7856753	7909311	7806426	1.73	cps
Sodium	23-2	45652273	46341671	46774326	46256090	1.22	cps
Strontium	86-1	2046617	2093830	2052740	2064396	1.24	cps
Strontium	88-1	17949803	17735033	18185911	17956916	1.26	cps
Sulfur	34-1	643877	651913	650499	648763	0.66	cps
Terbium	159-1	7453943	7372958	7291109	7372670	1.10	cps
Terbium	159-2	5799427	5707419	5753442	5753429	0.80	cps
Thallium	203-1	5450129	5529902	5630851	5536961	1.64	cps
Thallium	205-1	12966304	13418681	13606102	13330362	2.47	cps
Tin	118-1	4886668	5050898	4854421	4930663	2.14	cps
Titanium	47-1	8765926	8846244	8789147	8800439	0.47	cps

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Inst Id :P7
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LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 11:49:49	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	17001450	16954349	17335081	17096960	1.21	cps
Vanadium	51-2	2658415	2629931	2644188	2644178	0.54	cps
Yttrium	89-1	9598275	9611007	9543549	9584277	0.37	cps
Yttrium	89-2	2869331	2798352	2817850	2828511	1.30	cps
Zinc	66-2	7052522	6840379	6892060	6928320	1.60	cps
Zirconium	90-1	10980189	10962816	11272778	11071928	1.57	cps
Zirconium	91-1	2398838	2433262	2464166	2432089	1.34	cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P7
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 11:52:38	DataFile Name :	012CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	17645373	17520946	17945950	17704089	1.23	cps
Antimony	121-1	3754	3854	4191	3933	5.82	cps
Arsenic	75-2	393	390	373	386	2.78	cps
Barium	135-1	3010	3170	3220	3134	3.50	cps
Barium	137-1	5404	5434	5564	5468	1.56	cps
Beryllium	9-1	116	66	112	98	28.39	cps
Bismuth	209-1	4040608	4092368	4005582	4046186	1.08	cps
Bismuth	209-2	3870886	4018027	3936069	3941661	1.87	cps
Bromine	81-1	9190	9653	9547	9463	2.57	cps
Bromine	81-2	277	290	267	278	4.22	cps
Cadmium	108-1	77	87	97	87	11.54	cps
Cadmium	106-1	2324	2297	2294	2305	0.71	cps
Cadmium	111-1	2200	2204	2204	2203	0.12	cps
Calcium	43-1	8856844	9047402	8832800	8912349	1.32	cps
Calcium	44-1	142613641	143694771	146952324	144420246	1.56	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	15274	15508	15525	15436	0.91	cps
Cobalt	59-2	7555	7295	7455	7435	1.76	cps
Copper	63-2	10097	10033	10200	10110	0.83	cps
Dysprosium	156-1	273	217	277	256	13.19	cps
Dysprosium	156-2	253	177	227	219	17.78	cps
Erbium	164-1	523	603	563	563	7.10	cps
Erbium	164-2	383	487	430	433	11.94	cps
Gadolinium	160-1	300	270	320	297	8.48	cps
Gadolinium	160-2	530	557	470	519	8.55	cps
Holmium	165-1	6789631	7048163	6914951	6917581	1.87	cps
Holmium	165-2	5508254	5654620	5657231	5606701	1.52	cps
Indium	115-1	5611362	5761290	5757492	5710048	1.50	cps
Indium	115-2	2368963	2340819	2386166	2365316	0.97	cps
Iron	56-2	735831456	729516762	722570709	729306309	0.91	cps
Iron	57-2	18344064	18176402	18204141	18241536	0.49	cps
Iron	54-2	40490905	40771676	40241309	40501297	0.66	cps
Krypton	83-1	483	473	540	499	7.21	cps

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LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P7
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 11:52:38	DataFile Name :	012CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4904	4414	4588	4635	5.36	cps
Lead	207-1	4047	3897	3794	3913	3.26	cps
Lead	208-1	17891	17568	17978	17812	1.21	cps
Lithium	6-1	506547	504341	495738	502209	1.14	cps
Magnesium	24-2	149939438	151771334	156277128	152662633	2.14	cps
Manganese	55-2	11948	12202	12382	12177	1.79	cps
Molybdenum	94-1	6018	5948	5815	5927	1.74	cps
Molybdenum	95-1	4924	4734	4914	4858	2.20	cps
Molybdenum	96-1	9530	9403	9413	9449	0.75	cps
Molybdenum	97-1	3110	3030	2880	3007	3.88	cps
Molybdenum	98-1	7779	7702	7465	7649	2.14	cps
Neodymium	150-1	137	110	123	123	10.81	cps
Neodymium	150-2	83	87	110	93	15.57	cps
Nickel	60-2	5008	4734	4814	4852	2.90	cps
Phosphorus	31-2	857	907	890	884	2.88	cps
Potassium	39-2	89921582	88542859	90727299	89730580	1.23	cps
Rhodium	103-1	5589065	5607680	5639665	5612137	0.46	cps
Rhodium	103-2	3739857	3676783	3662413	3693018	1.12	cps
Scandium	45-1	3856050	3905267	3911069	3890796	0.78	cps
Scandium	45-2	341212	337063	340359	339545	0.65	cps
Selenium	82-1	372	418	314	368	14.12	cps
Selenium	77-2	10	13	10	11	17.30	cps
Selenium	78-2	470	553	590	538	11.44	cps
Silicon	28-1	742878	758137	757112	752709	1.13	cps
Silver	107-1	783	820	630	744	13.54	cps
Silver	109-1	747	647	623	672	9.75	cps
Sodium	23-2	233522763	234643523	235905610	234690632	0.51	cps
Strontium	86-1	22728	23869	23716	23438	2.64	cps
Strontium	88-1	193451	198044	195251	195582	1.18	cps
Sulfur	34-1	183194	188494	189135	186941	1.74	cps
Terbium	159-1	7025077	7154487	7145231	7108265	1.02	cps
Terbium	159-2	5550106	5610661	5624970	5595245	0.71	cps
Thallium	203-1	3857	3884	3884	3875	0.40	cps
Thallium	205-1	9450	9577	8926	9318	3.70	cps
Tin	118-1	1883	2007	2130	2007	6.15	cps
Titanium	47-1	627	660	737	674	8.36	cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P7
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 11:52:38	DataFile Name :	012CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	463	507	430	467	8.24	cps
Vanadium	51-2	813	917	857	862	6.02	cps
Yttrium	89-1	9038660	9345675	9279571	9221302	1.75	cps
Yttrium	89-2	2815567	2799836	2816105	2810503	0.33	cps
Zinc	66-2	3277	3270	3244	3264	0.54	cps
Zirconium	90-1	8476	8546	8506	8509	0.41	cps
Zirconium	91-1	1780	1930	1813	1841	4.28	cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P7
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 12:52:29	DataFile Name :	017ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	274815	270606	271163	272195	0.84	cps
Antimony	121-1	2256128	2291354	2277528	2275004	0.78	cps
Arsenic	75-2	137122	136048	136630	136600	0.39	cps
Barium	135-1	2087392	2099584	2124196	2103724	0.89	cps
Barium	137-1	3652075	3638514	3639361	3643316	0.21	cps
Beryllium	9-1	28446	29067	29775	29096	2.29	cps
Bismuth	209-1	4291559	4317720	4337158	4315479	0.53	cps
Bismuth	209-2	4130620	4032658	4082336	4081871	1.20	cps
Bromine	81-1	8859	9120	9106	9028	1.62	cps
Bromine	81-2	143	157	130	143	9.30	cps
Cadmium	108-1	18025	17998	18091	18038	0.27	cps
Cadmium	106-1	26441	26862	26922	26741	0.98	cps
Cadmium	111-1	267745	272004	270964	270238	0.82	cps
Calcium	43-1	64112	64580	65069	64587	0.74	cps
Calcium	44-1	1223671	1202126	1220711	1215503	0.96	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	491715	487154	493507	490792	0.67	cps
Cobalt	59-2	1910805	1814537	1918690	1881344	3.08	cps
Copper	63-2	735382	724821	728861	729688	0.73	cps
Dysprosium	156-1	27	13	13	18	43.33	cps
Dysprosium	156-2	83	50	90	74	28.79	cps
Erbium	164-1	37	33	27	32	15.80	cps
Erbium	164-2	27	23	40	30	29.40	cps
Gadolinium	160-1	53	50	33	46	23.52	cps
Gadolinium	160-2	310	350	290	317	9.65	cps
Holmium	165-1	6803261	6753621	6781205	6779362	0.37	cps
Holmium	165-2	5404913	5430515	5386575	5407334	0.41	cps
Indium	115-1	5903634	5735195	5889864	5842898	1.60	cps
Indium	115-2	2365105	2340497	2390191	2365265	1.05	cps
Iron	56-2	2253178	2300836	2224151	2259388	1.71	cps
Iron	57-2	52501	50866	51909	51759	1.60	cps
Iron	54-2	127980	126812	127651	127481	0.47	cps
Krypton	83-1	483	497	457	479	4.25	cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P7
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 12:52:29	DataFile Name :	017ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1803508	1798421	1786865	1796265	0.47	cps
Lead	207-1	1226258	1264326	1243175	1244587	1.53	cps
Lead	208-1	6833152	6904798	6888301	6875417	0.55	cps
Lithium	6-1	496315	492674	491551	493513	0.50	cps
Magnesium	24-2	1259086	1258001	1267220	1261436	0.40	cps
Manganese	55-2	946137	947451	940814	944801	0.37	cps
Molybdenum	94-1	550	537	543	543	1.23	cps
Molybdenum	95-1	637	587	533	586	8.83	cps
Molybdenum	96-1	807	823	790	807	2.07	cps
Molybdenum	97-1	443	413	540	466	14.22	cps
Molybdenum	98-1	1107	1050	1090	1082	2.69	cps
Neodymium	150-1	43	57	67	56	21.08	cps
Neodymium	150-2	13	3	7	8	65.47	cps
Nickel	60-2	423609	419102	423555	422089	0.61	cps
Phosphorus	31-2	840	840	793	824	3.27	cps
Potassium	39-2	1410092	1384742	1342963	1379266	2.46	cps
Rhodium	103-1	5843222	5923087	5951720	5906009	0.95	cps
Rhodium	103-2	3886410	3842706	3805949	3845022	1.05	cps
Scandium	45-1	3891323	3879566	3818198	3863029	1.02	cps
Scandium	45-2	322426	320553	322928	321969	0.39	cps
Selenium	82-1	43820	44676	44190	44228	0.97	cps
Selenium	77-2	5284	5418	5078	5260	3.26	cps
Selenium	78-2	17771	17891	17911	17858	0.42	cps
Silicon	28-1	693622	685507	697307	692145	0.87	cps
Silver	107-1	1583489	1600395	1593254	1592379	0.53	cps
Silver	109-1	1270380	1286390	1295074	1283948	0.98	cps
Sodium	23-2	1817410	1772330	1786115	1791952	1.29	cps
Strontium	86-1	853	1020	933	936	8.91	cps
Strontium	88-1	1213	1273	1220	1236	2.66	cps
Sulfur	34-1	184941	184367	184148	184485	0.22	cps
Terbium	159-1	6947171	7034014	7027330	7002838	0.69	cps
Terbium	159-2	5438195	5363068	5369828	5390363	0.77	cps
Thallium	203-1	1966980	1956321	1965370	1962891	0.29	cps
Thallium	205-1	4851984	4813803	4812462	4826083	0.46	cps
Tin	118-1	2534	2364	2507	2468	3.71	cps
Titanium	47-1	203	213	160	192	14.75	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P7
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 12:52:29	DataFile Name :	017ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	3	13	3	7	86.65	cps
Vanadium	51-2	954632	946085	953662	951460	0.49	cps
Yttrium	89-1	9066928	9053756	9073465	9064716	0.11	cps
Yttrium	89-2	2748485	2685575	2661416	2698492	1.67	cps
Zinc	66-2	244933	245813	250401	247049	1.19	cps
Zirconium	90-1	550	587	450	529	13.38	cps
Zirconium	91-1	230	313	210	251	21.83	cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P7
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 13:08:20	DataFile Name :	020LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4171	4287	4154	4204	1.73	cps
Antimony	121-1	10110	10627	10040	10259	3.13	cps
Arsenic	75-2	400	377	437	404	7.48	cps
Barium	135-1	11822	11998	11665	11828	1.41	cps
Barium	137-1	20769	20438	20311	20506	1.15	cps
Beryllium	9-1	887	890	793	857	6.42	cps
Bismuth	209-1	4279301	4235742	4093949	4202997	2.31	cps
Bismuth	209-2	4054490	4057778	4109142	4073803	0.75	cps
Bromine	81-1	9900	9703	9590	9731	1.61	cps
Bromine	81-2	150	143	140	144	3.52	cps
Cadmium	108-1	87	157	77	107	40.86	cps
Cadmium	106-1	1947	2137	2044	2042	4.65	cps
Cadmium	111-1	2822	2813	2850	2828	0.69	cps
Calcium	43-1	8552	8836	8869	8753	1.99	cps
Calcium	44-1	182288	183239	180147	181892	0.87	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	7315	7262	7422	7333	1.11	cps
Cobalt	59-2	4567	4607	4964	4713	4.64	cps
Copper	63-2	7529	7542	7685	7585	1.15	cps
Dysprosium	156-1	0	7	3	3	100.05	cps
Dysprosium	156-2	0	3	7	3	100.05	cps
Erbium	164-1	20	40	53	38	44.41	cps
Erbium	164-2	57	40	17	38	53.18	cps
Gadolinium	160-1	20	37	60	39	51.66	cps
Gadolinium	160-2	273	257	303	278	8.51	cps
Holmium	165-1	6790603	6761989	6981709	6844767	1.75	cps
Holmium	165-2	5561649	5508502	5535609	5535253	0.48	cps
Indium	115-1	5922383	5893372	5865062	5893606	0.49	cps
Indium	115-2	2425260	2409827	2397138	2410742	0.58	cps
Iron	56-2	154043	153554	154332	153976	0.26	cps
Iron	57-2	4821	4928	4741	4830	1.94	cps
Iron	54-2	9733	10210	9863	9936	2.48	cps
Krypton	83-1	477	400	517	464	12.76	cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P7
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 13:08:20	DataFile Name :	020LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4104	4314	4324	4247	2.93	cps
Lead	207-1	3480	3554	3661	3565	2.54	cps
Lead	208-1	16501	16738	16667	16635	0.73	cps
Lithium	6-1	481288	476686	483757	480577	0.75	cps
Magnesium	24-2	124000	127035	124019	125018	1.40	cps
Manganese	55-2	8076	7705	7785	7855	2.48	cps
Molybdenum	94-1	11615	12035	11701	11784	1.88	cps
Molybdenum	95-1	14257	14280	14274	14270	0.08	cps
Molybdenum	96-1	15548	15595	15645	15596	0.31	cps
Molybdenum	97-1	8819	8893	9010	8907	1.08	cps
Molybdenum	98-1	22731	22588	22774	22698	0.43	cps
Neodymium	150-1	7	0	7	4	86.60	cps
Neodymium	150-2	7	3	3	4	43.40	cps
Nickel	60-2	1520	1627	1750	1632	7.05	cps
Phosphorus	31-2	1087	1043	1020	1050	3.22	cps
Potassium	39-2	224320	225752	223962	224678	0.42	cps
Rhodium	103-1	6005215	6072149	6100432	6059265	0.81	cps
Rhodium	103-2	3867620	3949415	3890884	3902640	1.08	cps
Scandium	45-1	3923752	3895163	3835576	3884830	1.16	cps
Scandium	45-2	326956	327350	327473	327260	0.08	cps
Selenium	82-1	854	889	767	837	7.49	cps
Selenium	77-2	53	63	63	60	9.62	cps
Selenium	78-2	693	797	643	711	11.00	cps
Silicon	28-1	735659	742986	748848	742497	0.89	cps
Silver	107-1	7065	7025	7245	7112	1.65	cps
Silver	109-1	6525	6728	6568	6607	1.62	cps
Sodium	23-2	224045	224113	225468	224542	0.36	cps
Strontium	86-1	2347	2514	2624	2495	5.58	cps
Strontium	88-1	15688	15612	15518	15606	0.55	cps
Sulfur	34-1	189050	189327	188450	188942	0.24	cps
Terbium	159-1	6922160	6805667	6847484	6858437	0.86	cps
Terbium	159-2	5429445	5487766	5369696	5428969	1.09	cps
Thallium	203-1	4751	4524	4688	4654	2.51	cps
Thallium	205-1	10968	10664	10708	10780	1.52	cps
Tin	118-1	23503	23256	23322	23360	0.55	cps
Titanium	47-1	3911	4004	3917	3944	1.32	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P7
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 13:08:20	DataFile Name :	020LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	12730	12713	12680	12707	0.20	cps
Vanadium	51-2	12025	11861	11941	11943	0.68	cps
Yttrium	89-1	9392120	9292498	9183063	9289227	1.13	cps
Yttrium	89-2	2682152	2808231	2768047	2752810	2.34	cps
Zinc	66-2	4321	4074	4141	4178	3.05	cps
Zirconium	90-1	9593	9677	9913	9728	1.71	cps
Zirconium	91-1	2003	2117	2194	2105	4.54	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P7
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 13:12:09	DataFile Name :	021CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	393	293	360	349	14.59	cps
Antimony	121-1	90	80	80	83	6.93	cps
Arsenic	75-2	7	17	13	12	41.65	cps
Barium	135-1	30	20	17	22	31.22	cps
Barium	137-1	20	23	17	20	16.65	cps
Beryllium	9-1	7	3	7	6	34.03	cps
Bismuth	209-1	4127519	4143295	4126021	4132278	0.23	cps
Bismuth	209-2	4173076	4113263	4178904	4155081	0.87	cps
Bromine	81-1	9803	9910	9480	9731	2.30	cps
Bromine	81-2	167	167	123	152	16.43	cps
Cadmium	108-1	0	7	10	6	91.64	cps
Cadmium	106-1	1837	1860	1870	1856	0.92	cps
Cadmium	111-1	1306	1311	1312	1310	0.26	cps
Calcium	43-1	373	390	347	370	5.91	cps
Calcium	44-1	46728	45251	45174	45718	1.92	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1963	1970	1903	1946	1.89	cps
Cobalt	59-2	80	97	90	89	9.44	cps
Copper	63-2	1050	1020	1047	1039	1.58	cps
Dysprosium	156-1	0	10	0	3	173.21	cps
Dysprosium	156-2	7	0	3	3	100.05	cps
Erbium	164-1	57	47	23	42	40.52	cps
Erbium	164-2	17	23	23	21	18.21	cps
Gadolinium	160-1	30	37	43	37	18.18	cps
Gadolinium	160-2	317	290	307	304	4.42	cps
Holmium	165-1	6713760	6644866	6746358	6701661	0.77	cps
Holmium	165-2	5583343	5677114	5524400	5594952	1.38	cps
Indium	115-1	5958979	5936267	5939787	5945011	0.21	cps
Indium	115-2	2403328	2381450	2374137	2386305	0.64	cps
Iron	56-2	19746	19333	19693	19591	1.15	cps
Iron	57-2	1290	1343	1367	1333	2.95	cps
Iron	54-2	2377	2527	2374	2426	3.61	cps
Krypton	83-1	480	430	490	467	6.89	cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P7
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 13:12:09	DataFile Name :	021CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	550	567	523	547	4.00	cps
Lead	207-1	380	447	433	420	8.40	cps
Lead	208-1	2077	2110	2097	2095	0.80	cps
Lithium	6-1	480816	482132	483038	481995	0.23	cps
Magnesium	24-2	233	247	233	238	3.24	cps
Manganese	55-2	4941	5331	5158	5143	3.80	cps
Molybdenum	94-1	233	223	257	238	7.19	cps
Molybdenum	95-1	277	223	210	237	14.91	cps
Molybdenum	96-1	297	270	273	280	5.19	cps
Molybdenum	97-1	173	153	160	162	6.28	cps
Molybdenum	98-1	303	280	237	273	12.38	cps
Neodymium	150-1	3	3	3	3	0.00	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	437	467	430	444	4.39	cps
Phosphorus	31-2	807	780	787	791	1.75	cps
Potassium	39-2	69273	68068	67392	68244	1.40	cps
Rhodium	103-1	5890576	5905893	5990547	5929005	0.91	cps
Rhodium	103-2	3811090	3944712	3737822	3831208	2.74	cps
Scandium	45-1	3970615	3921215	3880659	3924163	1.15	cps
Scandium	45-2	325576	323694	325370	324880	0.32	cps
Selenium	82-1	185	248	209	214	14.72	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	497	530	413	480	12.52	cps
Silicon	28-1	695918	704981	695554	698818	0.76	cps
Silver	107-1	77	97	100	91	13.85	cps
Silver	109-1	73	80	60	71	14.32	cps
Sodium	23-2	29168	28633	28824	28875	0.94	cps
Strontium	86-1	790	803	810	801	1.27	cps
Strontium	88-1	237	160	200	199	19.28	cps
Sulfur	34-1	188902	186854	188983	188246	0.64	cps
Terbium	159-1	6836124	6763982	6950569	6850225	1.37	cps
Terbium	159-2	5587435	5445217	5422966	5485206	1.63	cps
Thallium	203-1	233	290	257	260	10.95	cps
Thallium	205-1	620	607	600	609	1.67	cps
Tin	118-1	1843	1967	1953	1921	3.52	cps
Titanium	47-1	137	110	130	126	11.05	cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P7
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 13:12:09	DataFile Name :	021CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	7	17	13	12	41.65	cps
Vanadium	51-2	17	27	7	17	59.99	cps
Yttrium	89-1	9412905	9488285	9264492	9388561	1.21	cps
Yttrium	89-2	2809910	2791864	2743887	2781887	1.23	cps
Zinc	66-2	530	600	563	564	6.20	cps
Zirconium	90-1	413	517	407	446	13.84	cps
Zirconium	91-1	63	103	57	74	33.91	cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P7
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 13:39:05	DataFile Name :	025ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	14971656	14807628	14918069	14899118	0.56	cps
Antimony	121-1	5258	5918	5895	5690	6.58	cps
Arsenic	75-2	130	100	143	124	17.84	cps
Barium	135-1	1687	1663	1813	1721	4.69	cps
Barium	137-1	2810	3040	2910	2920	3.95	cps
Beryllium	9-1	211	204	181	199	7.93	cps
Bismuth	209-1	4306253	4323318	4301153	4310241	0.27	cps
Bismuth	209-2	4270851	4280758	4223587	4258399	0.72	cps
Bromine	81-1	11718	12195	12759	12224	4.26	cps
Bromine	81-2	450	350	497	432	17.34	cps
Cadmium	108-1	680	680	657	672	2.00	cps
Cadmium	106-1	1923	1917	1807	1882	3.48	cps
Cadmium	111-1	1707	1772	1692	1724	2.48	cps
Calcium	43-1	1753757	1813422	1799833	1789004	1.75	cps
Calcium	44-1	29471603	29211460	29357085	29346716	0.44	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	55438	54783	55271	55164	0.62	cps
Cobalt	59-2	5271	5151	5304	5242	1.54	cps
Copper	63-2	25221	25268	25382	25290	0.33	cps
Dysprosium	156-1	20	20	23	21	9.11	cps
Dysprosium	156-2	17	13	20	17	20.01	cps
Erbium	164-1	47	67	37	50	30.55	cps
Erbium	164-2	70	47	43	53	27.24	cps
Gadolinium	160-1	67	63	13	48	62.54	cps
Gadolinium	160-2	270	277	320	289	9.40	cps
Holmium	165-1	7070829	7145460	7004833	7073707	0.99	cps
Holmium	165-2	6000460	5932062	5783180	5905234	1.88	cps
Indium	115-1	6074462	6106385	6122110	6100986	0.40	cps
Indium	115-2	2421438	2453642	2448691	2441257	0.71	cps
Iron	56-2	292570516	283252316	284558889	286793907	1.76	cps
Iron	57-2	7038014	7035362	6918041	6997139	0.98	cps
Iron	54-2	15991829	15781449	15760835	15844704	0.81	cps
Krypton	83-1	427	447	547	473	13.58	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P7
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 13:39:05	DataFile Name :	025ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	17048	17208	16100	16785	3.57	cps
Lead	207-1	12736	12996	12863	12865	1.01	cps
Lead	208-1	61464	62957	61272	61898	1.49	cps
Lithium	6-1	478448	474929	461460	471612	1.90	cps
Magnesium	24-2	25775724	25567759	25906280	25749921	0.66	cps
Manganese	55-2	21853	21345	21949	21716	1.49	cps
Molybdenum	94-1	3728140	3714134	3702446	3714907	0.35	cps
Molybdenum	95-1	6441024	6475607	6456808	6457813	0.27	cps
Molybdenum	96-1	6765092	6923468	6926094	6871551	1.34	cps
Molybdenum	97-1	3931396	4012767	3991087	3978416	1.06	cps
Molybdenum	98-1	10364973	9912972	10202983	10160309	2.25	cps
Neodymium	150-1	23	33	30	29	17.63	cps
Neodymium	150-2	17	13	3	11	62.48	cps
Nickel	60-2	6325	6045	6358	6242	2.76	cps
Phosphorus	31-2	767073	757440	749147	757887	1.18	cps
Potassium	39-2	32984815	33484615	33214455	33227961	0.75	cps
Rhodium	103-1	6105432	6038340	6205298	6116357	1.37	cps
Rhodium	103-2	4045737	3976627	3979066	4000476	0.98	cps
Scandium	45-1	4134284	4021373	4028450	4061369	1.56	cps
Scandium	45-2	329084	328521	324858	327488	0.70	cps
Selenium	82-1	335	290	215	280	21.65	cps
Selenium	77-2	0	3	0	1	173.21	cps
Selenium	78-2	507	550	517	524	4.33	cps
Silicon	28-1	813842	748730	729907	764160	5.76	cps
Silver	107-1	333	443	437	404	15.25	cps
Silver	109-1	353	333	403	363	9.92	cps
Sodium	23-2	43164678	42923606	43522044	43203443	0.70	cps
Strontium	86-1	59667	60521	61076	60421	1.17	cps
Strontium	88-1	508798	512239	516616	512551	0.76	cps
Sulfur	34-1	2913896	2959669	3019920	2964495	1.79	cps
Terbium	159-1	7293569	7333244	7429814	7352209	0.95	cps
Terbium	159-2	5754700	5838896	5793249	5795615	0.73	cps
Thallium	203-1	413	403	460	426	7.11	cps
Thallium	205-1	1073	1160	1103	1112	3.96	cps
Tin	118-1	4341	5331	6348	5340	18.80	cps
Titanium	47-1	1804727	1804564	1809537	1806276	0.16	cps

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P7
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 13:39:05	DataFile Name :	025ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	267	207	237	237	12.68	cps
Vanadium	51-2	390	433	430	418	5.77	cps
Yttrium	89-1	9900922	9568149	9956267	9808446	2.14	cps
Yttrium	89-2	2822121	2789663	2870130	2827305	1.43	cps
Zinc	66-2	7115	6785	7225	7042	3.25	cps
Zirconium	90-1	530	570	550	550	3.64	cps
Zirconium	91-1	130	127	87	114	21.07	cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P7
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 14:04:17	DataFile Name :	030ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	15146661	15392616	14869494	15136257	1.73	cps
Antimony	121-1	111285	111506	113142	111977	0.91	cps
Arsenic	75-2	6975	7185	7462	7207	3.39	cps
Barium	135-1	26311	27136	27503	26984	2.26	cps
Barium	137-1	45857	47034	47442	46778	1.76	cps
Beryllium	9-1	14768	14898	14641	14769	0.87	cps
Bismuth	209-1	4306877	4209872	4509835	4342195	3.53	cps
Bismuth	209-2	4252120	4246085	4253681	4250629	0.09	cps
Bromine	81-1	11431	11958	12142	11844	3.11	cps
Bromine	81-2	530	547	490	522	5.58	cps
Cadmium	108-1	2644	2744	2667	2685	1.95	cps
Cadmium	106-1	4614	4888	4634	4712	3.23	cps
Cadmium	111-1	30956	31662	32043	31554	1.75	cps
Calcium	43-1	1827592	1859065	1844216	1843624	0.85	cps
Calcium	44-1	29964702	29342846	29638780	29648776	1.05	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	112124	110133	111197	111151	0.90	cps
Cobalt	59-2	92909	93318	92903	93043	0.26	cps
Copper	63-2	88815	88816	88390	88673	0.28	cps
Dysprosium	156-1	20	23	27	23	14.29	cps
Dysprosium	156-2	20	43	17	27	54.47	cps
Erbium	164-1	50	93	73	72	30.03	cps
Erbium	164-2	30	43	37	37	18.18	cps
Gadolinium	160-1	50	100	43	64	48.06	cps
Gadolinium	160-2	283	353	337	324	11.27	cps
Holmium	165-1	7203336	7211476	7454014	7289609	1.95	cps
Holmium	165-2	5963345	6000975	5816979	5927100	1.64	cps
Indium	115-1	6223215	6300953	6177176	6233781	1.00	cps
Indium	115-2	2505681	2407591	2446820	2453364	2.01	cps
Iron	56-2	296210202	285481042	283121942	288271062	2.42	cps
Iron	57-2	7343790	7051754	7206919	7200821	2.03	cps
Iron	54-2	15904369	15741941	15520120	15722143	1.23	cps
Krypton	83-1	480	480	520	493	4.68	cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P7
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 14:04:17	DataFile Name :	030ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	105548	107147	108205	106966	1.25	cps
Lead	207-1	86764	89394	88529	88229	1.52	cps
Lead	208-1	406529	406010	411168	407902	0.70	cps
Lithium	6-1	478495	467793	483076	476454	1.65	cps
Magnesium	24-2	25780116	25459598	26125065	25788260	1.29	cps
Manganese	55-2	76885	74769	75532	75729	1.42	cps
Molybdenum	94-1	3716452	3784589	3808520	3769854	1.27	cps
Molybdenum	95-1	6470116	6733028	6635508	6612884	2.01	cps
Molybdenum	96-1	6940536	7100012	6871031	6970526	1.68	cps
Molybdenum	97-1	4085094	4102754	4036252	4074700	0.85	cps
Molybdenum	98-1	10460701	10684762	10290165	10478543	1.89	cps
Neodymium	150-1	30	33	43	36	19.51	cps
Neodymium	150-2	43	40	27	37	24.04	cps
Nickel	60-2	29549	28891	28921	29121	1.28	cps
Phosphorus	31-2	773215	758421	769932	767189	1.01	cps
Potassium	39-2	33228074	33057437	33536558	33274023	0.73	cps
Rhodium	103-1	6212053	6186104	6159786	6185981	0.42	cps
Rhodium	103-2	4032771	4009120	3895288	3979060	1.85	cps
Scandium	45-1	4234246	4063850	4084815	4127637	2.25	cps
Scandium	45-2	323258	320525	323945	322576	0.56	cps
Selenium	82-1	2585	2671	2587	2614	1.89	cps
Selenium	77-2	257	303	233	264	13.48	cps
Selenium	78-2	1243	1330	1413	1329	6.40	cps
Silicon	28-1	714798	711402	729491	718564	1.34	cps
Silver	107-1	143248	146314	146964	145509	1.36	cps
Silver	109-1	136168	139206	139078	138151	1.24	cps
Sodium	23-2	44294068	43889013	43438894	43873992	0.98	cps
Strontium	86-1	61548	62285	61555	61796	0.68	cps
Strontium	88-1	522573	533903	527481	527986	1.08	cps
Sulfur	34-1	3002164	2969916	2970387	2980822	0.62	cps
Terbium	159-1	7610675	7422473	7577740	7536962	1.33	cps
Terbium	159-2	5900484	5997993	5848904	5915794	1.28	cps
Thallium	203-1	105995	107553	106368	106638	0.76	cps
Thallium	205-1	251294	254734	260767	255598	1.88	cps
Tin	118-1	3084	3621	3664	3456	9.35	cps
Titanium	47-1	1793881	1863305	1835337	1830841	1.91	cps

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P7
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 14:04:17	DataFile Name :	030ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	197	187	227	203	10.24	cps
Vanadium	51-2	46873	46478	47311	46887	0.89	cps
Yttrium	89-1	9939378	10069827	9648990	9886065	2.18	cps
Yttrium	89-2	2841341	2857186	2829880	2842802	0.48	cps
Zinc	66-2	18829	18452	18986	18755	1.46	cps
Zirconium	90-1	560	517	613	563	8.60	cps
Zirconium	91-1	123	80	77	93	27.90	cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCV01	Instrumnet Name :	P7
Client Sample ID :	CCV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 14:07:20	DataFile Name :	031CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8380912	8495521	8506443	8460959	0.82	cps
Antimony	121-1	3072147	3122769	3152770	3115895	1.31	cps
Arsenic	75-2	181400	180426	182439	181422	0.55	cps
Barium	135-1	3683231	3727267	3687745	3699414	0.65	cps
Barium	137-1	6478764	6584229	6602838	6555277	1.02	cps
Beryllium	9-1	384810	392380	389386	388859	0.98	cps
Bismuth	209-1	4264524	4264358	4318552	4282478	0.73	cps
Bismuth	209-2	4201880	4355286	4258322	4271829	1.82	cps
Bromine	81-1	10400	10464	10537	10467	0.65	cps
Bromine	81-2	197	180	130	169	20.54	cps
Cadmium	108-1	51695	53412	51839	52315	1.82	cps
Cadmium	106-1	73864	76128	75525	75173	1.56	cps
Cadmium	111-1	725504	737293	722000	728266	1.10	cps
Calcium	43-1	4668189	4767338	4914224	4783250	2.59	cps
Calcium	44-1	75994519	77823306	76763096	76860307	1.19	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1632761	1634511	1636607	1634626	0.12	cps
Cobalt	59-2	2582539	2490105	2483556	2518733	2.20	cps
Copper	63-2	19696037	19407635	19506185	19536619	0.75	cps
Dysprosium	156-1	123	150	177	150	17.78	cps
Dysprosium	156-2	277	293	273	281	3.81	cps
Erbium	164-1	293	367	377	346	13.17	cps
Erbium	164-2	287	293	257	279	7.00	cps
Gadolinium	160-1	143	217	193	184	20.31	cps
Gadolinium	160-2	393	360	427	393	8.47	cps
Holmium	165-1	7353304	7477595	7618490	7483130	1.77	cps
Holmium	165-2	6091086	6207237	6045278	6114533	1.37	cps
Indium	115-1	6233606	6191939	6214096	6213214	0.34	cps
Indium	115-2	2468894	2501658	2400669	2457073	2.10	cps
Iron	56-2	376413021	386453381	378693568	380519990	1.38	cps
Iron	57-2	9543161	9298645	9402962	9414922	1.30	cps
Iron	54-2	20788153	20892590	20765699	20815481	0.33	cps
Krypton	83-1	570	627	450	549	16.43	cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCV01	Instrumnet Name :	P7
Client Sample ID :	CCV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 14:07:20	DataFile Name :	031CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	11329796	11198426	11219482	11249234	0.63	cps
Lead	207-1	9558292	9811932	9880227	9750150	1.74	cps
Lead	208-1	43940959	44604839	44585837	44377212	0.85	cps
Lithium	6-1	482617	481627	482843	482362	0.13	cps
Magnesium	24-2	74538662	75363389	72532037	74144696	1.96	cps
Manganese	55-2	13661037	13697083	13372809	13576976	1.31	cps
Molybdenum	94-1	12288316	12486929	12199350	12324865	1.19	cps
Molybdenum	95-1	18082415	17997416	17485130	17854987	1.81	cps
Molybdenum	96-1	18964657	18899107	18744719	18869494	0.60	cps
Molybdenum	97-1	10792351	10853108	10761430	10802296	0.43	cps
Molybdenum	98-1	27195212	27627015	27599375	27473867	0.88	cps
Neodymium	150-1	120	167	153	147	16.39	cps
Neodymium	150-2	67	67	57	63	9.12	cps
Nickel	60-2	553647	552547	547124	551106	0.63	cps
Phosphorus	31-2	80139	81856	82049	81348	1.29	cps
Potassium	39-2	44530193	43529404	44493371	44184323	1.28	cps
Rhodium	103-1	6091799	6239616	6089501	6140305	1.40	cps
Rhodium	103-2	4037771	4075054	3903499	4005442	2.25	cps
Scandium	45-1	4094512	4084857	4150919	4110096	0.87	cps
Scandium	45-2	337491	340117	337804	338471	0.42	cps
Selenium	82-1	56302	55721	56610	56211	0.80	cps
Selenium	77-2	6478	6331	6198	6336	2.21	cps
Selenium	78-2	21900	21896	22110	21969	0.56	cps
Silicon	28-1	5774596	5881705	5960844	5872382	1.59	cps
Silver	107-1	4291477	4402267	4333505	4342416	1.29	cps
Silver	109-1	4144694	4098605	4128543	4123947	0.57	cps
Sodium	23-2	112910302	113632475	111387682	112643486	1.02	cps
Strontium	86-1	954208	963063	964562	960611	0.58	cps
Strontium	88-1	9744849	9933249	9934138	9870745	1.10	cps
Sulfur	34-1	408183	414086	411529	411266	0.72	cps
Terbium	159-1	7630804	7675587	7641169	7649186	0.31	cps
Terbium	159-2	5872676	5933513	5811932	5872707	1.04	cps
Thallium	203-1	2769376	2758985	2805941	2778101	0.89	cps
Thallium	205-1	6692231	6752225	6666393	6703616	0.66	cps
Tin	118-1	2621205	2656812	2685936	2654651	1.22	cps
Titanium	47-1	4696621	4626433	4716045	4679700	1.01	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCV01	Instrumnet Name :	P7
Client Sample ID :	CCV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 14:07:20	DataFile Name :	031CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8296625	8315930	8309783	8307446	0.12	cps
Vanadium	51-2	1370932	1385493	1399483	1385303	1.03	cps
Yttrium	89-1	9966978	10337326	10143284	10149196	1.83	cps
Yttrium	89-2	2974691	2878477	2876015	2909728	1.93	cps
Zinc	66-2	3421652	3449161	3435742	3435518	0.40	cps
Zirconium	90-1	5942123	6099587	5995447	6012386	1.33	cps
Zirconium	91-1	1115656	1145805	1145876	1135779	1.53	cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCB01	Instrumnet Name :	P7
Client Sample ID :	CCB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 14:10:06	DataFile Name :	032CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	367	433	450	417	10.58	cps
Antimony	121-1	827	807	840	824	2.04	cps
Arsenic	75-2	13	33	27	24	41.66	cps
Barium	135-1	53	20	27	33	52.91	cps
Barium	137-1	63	70	63	66	5.87	cps
Beryllium	9-1	7	10	0	6	84.91	cps
Bismuth	209-1	4288791	4336159	4408939	4344630	1.39	cps
Bismuth	209-2	4253536	4239280	4138612	4210476	1.49	cps
Bromine	81-1	9747	9887	9967	9867	1.13	cps
Bromine	81-2	127	140	130	132	5.25	cps
Cadmium	108-1	3	20	7	10	88.20	cps
Cadmium	106-1	2060	2044	1897	2000	4.49	cps
Cadmium	111-1	1490	1450	1383	1441	3.74	cps
Calcium	43-1	343	440	340	374	15.17	cps
Calcium	44-1	47849	47681	46143	47224	1.99	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2073	1923	1917	1971	4.49	cps
Cobalt	59-2	100	127	107	111	12.49	cps
Copper	63-2	1467	1530	1647	1548	5.90	cps
Dysprosium	156-1	0	10	17	9	94.38	cps
Dysprosium	156-2	3	3	3	3	0.00	cps
Erbium	164-1	37	40	23	33	26.47	cps
Erbium	164-2	30	23	20	24	20.83	cps
Gadolinium	160-1	50	33	40	41	20.41	cps
Gadolinium	160-2	297	330	313	313	5.32	cps
Holmium	165-1	7145098	7044503	7087032	7092211	0.71	cps
Holmium	165-2	5868621	5752508	5823060	5814730	1.01	cps
Indium	115-1	6188049	6154745	6215299	6186031	0.49	cps
Indium	115-2	2460072	2452907	2401503	2438161	1.31	cps
Iron	56-2	21816	21863	21402	21694	1.17	cps
Iron	57-2	1363	1333	1253	1317	4.32	cps
Iron	54-2	2554	2320	2274	2382	6.30	cps
Krypton	83-1	537	513	477	509	5.94	cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCB01	Instrumnet Name :	P7
Client Sample ID :	CCB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 14:10:06	DataFile Name :	032CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	980	973	1027	993	2.93	cps
Lead	207-1	783	893	770	816	8.30	cps
Lead	208-1	3860	3697	3717	3758	2.37	cps
Lithium	6-1	471533	478229	470633	473465	0.88	cps
Magnesium	24-2	620	630	590	613	3.39	cps
Manganese	55-2	5198	5388	5154	5247	2.37	cps
Molybdenum	94-1	907	773	787	822	8.93	cps
Molybdenum	95-1	917	803	660	793	16.21	cps
Molybdenum	96-1	943	950	793	896	9.89	cps
Molybdenum	97-1	567	557	530	551	3.44	cps
Molybdenum	98-1	1503	1233	1123	1287	15.20	cps
Neodymium	150-1	3	3	10	6	69.34	cps
Neodymium	150-2	3	3	3	3	0.00	cps
Nickel	60-2	440	467	467	458	3.36	cps
Phosphorus	31-2	670	753	720	714	5.87	cps
Potassium	39-2	75774	75472	74196	75148	1.11	cps
Rhodium	103-1	6202754	6258442	6077237	6179478	1.50	cps
Rhodium	103-2	4007383	4113916	3974574	4031958	1.81	cps
Scandium	45-1	3873974	3902773	3931389	3902712	0.74	cps
Scandium	45-2	319653	318063	321139	319618	0.48	cps
Selenium	82-1	225	243	170	213	17.89	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	493	420	513	476	10.33	cps
Silicon	28-1	676611	675732	685430	679258	0.79	cps
Silver	107-1	430	393	393	406	5.22	cps
Silver	109-1	480	270	333	361	29.83	cps
Sodium	23-2	54493	53526	53171	53730	1.27	cps
Strontium	86-1	683	877	750	770	12.75	cps
Strontium	88-1	350	263	210	274	25.75	cps
Sulfur	34-1	174372	174814	173795	174327	0.29	cps
Terbium	159-1	7300329	7107094	7220789	7209404	1.35	cps
Terbium	159-2	5683572	5722873	5776500	5727648	0.81	cps
Thallium	203-1	857	763	727	782	8.57	cps
Thallium	205-1	1920	1743	1640	1768	8.01	cps
Tin	118-1	1990	1940	2014	1981	1.89	cps
Titanium	47-1	193	190	183	189	2.70	cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCB01	Instrumnet Name :	P7
Client Sample ID :	CCB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 14:10:06	DataFile Name :	032CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	103	83	83	90	12.83	cps
Vanadium	51-2	17	30	13	20	44.10	cps
Yttrium	89-1	9752280	9672694	9843196	9756057	0.87	cps
Yttrium	89-2	2762374	2795369	2780534	2779426	0.59	cps
Zinc	66-2	660	610	630	633	3.97	cps
Zirconium	90-1	920	773	923	872	9.82	cps
Zirconium	91-1	327	167	217	237	34.59	cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P7
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 14:14:27	DataFile Name :	033LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3991	3994	3911	3965	1.19	cps
Antimony	121-1	10304	10504	10591	10466	1.41	cps
Arsenic	75-2	353	387	360	367	4.81	cps
Barium	135-1	12125	12102	12362	12196	1.18	cps
Barium	137-1	21219	21046	21159	21141	0.42	cps
Beryllium	9-1	766	798	862	809	6.05	cps
Bismuth	209-1	4296304	4248395	4380947	4308549	1.56	cps
Bismuth	209-2	4370499	4120318	4239279	4243366	2.95	cps
Bromine	81-1	10000	10177	10314	10164	1.55	cps
Bromine	81-2	117	157	150	141	15.19	cps
Cadmium	108-1	87	63	80	77	15.68	cps
Cadmium	106-1	2167	2147	2040	2118	3.22	cps
Cadmium	111-1	2780	3055	2879	2905	4.81	cps
Calcium	43-1	8282	8442	8869	8531	3.56	cps
Calcium	44-1	179188	180234	181974	180465	0.78	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	7642	7525	7175	7447	3.26	cps
Cobalt	59-2	4781	4597	4501	4626	3.07	cps
Copper	63-2	7582	7892	7552	7675	2.45	cps
Dysprosium	156-1	3	7	10	7	50.03	cps
Dysprosium	156-2	3	3	13	7	86.65	cps
Erbium	164-1	43	63	40	49	25.81	cps
Erbium	164-2	37	37	33	36	5.42	cps
Gadolinium	160-1	17	40	47	34	45.73	cps
Gadolinium	160-2	297	213	257	256	16.31	cps
Holmium	165-1	7010876	7177486	7099690	7096017	1.17	cps
Holmium	165-2	5880917	5580274	5781236	5747475	2.66	cps
Indium	115-1	6229512	6206774	6224585	6220291	0.19	cps
Indium	115-2	2438408	2460303	2476758	2458490	0.78	cps
Iron	56-2	153584	150485	152950	152340	1.07	cps
Iron	57-2	4968	4924	4731	4874	2.59	cps
Iron	54-2	10060	9977	9957	9998	0.55	cps
Krypton	83-1	470	497	520	496	5.05	cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P7
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 14:14:27	DataFile Name :	033LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4337	4224	4261	4274	1.35	cps
Lead	207-1	3487	3751	3821	3686	4.77	cps
Lead	208-1	16507	16934	16808	16750	1.31	cps
Lithium	6-1	472171	478319	482916	477802	1.13	cps
Magnesium	24-2	122277	118114	119585	119992	1.76	cps
Manganese	55-2	7475	7579	7462	7505	0.85	cps
Molybdenum	94-1	12078	12505	12172	12252	1.83	cps
Molybdenum	95-1	14070	14534	14694	14433	2.25	cps
Molybdenum	96-1	15675	15932	15909	15839	0.90	cps
Molybdenum	97-1	8859	8866	9033	8919	1.10	cps
Molybdenum	98-1	22891	23676	23272	23280	1.69	cps
Neodymium	150-1	7	3	13	8	65.47	cps
Neodymium	150-2	3	13	0	6	124.93	cps
Nickel	60-2	1447	1483	1673	1535	7.93	cps
Phosphorus	31-2	1030	930	977	979	5.11	cps
Potassium	39-2	224851	221387	221125	222454	0.93	cps
Rhodium	103-1	6203596	6247704	6201719	6217673	0.42	cps
Rhodium	103-2	4071703	3997927	3959503	4009711	1.42	cps
Scandium	45-1	4002637	3999189	3964841	3988889	0.52	cps
Scandium	45-2	323498	322620	319491	321870	0.65	cps
Selenium	82-1	844	777	854	825	5.04	cps
Selenium	77-2	70	47	50	56	22.71	cps
Selenium	78-2	747	783	777	769	2.54	cps
Silicon	28-1	676847	693881	699782	690170	1.73	cps
Silver	107-1	7675	7342	7372	7463	2.47	cps
Silver	109-1	6522	6872	6868	6754	2.98	cps
Sodium	23-2	234457	229928	229534	231306	1.18	cps
Strontium	86-1	2650	2514	2337	2500	6.28	cps
Strontium	88-1	15845	15992	15869	15902	0.50	cps
Sulfur	34-1	180347	180720	180653	180573	0.11	cps
Terbium	159-1	7199158	7406907	7073202	7226422	2.33	cps
Terbium	159-2	5787165	5600503	5650281	5679316	1.70	cps
Thallium	203-1	5174	4874	5161	5070	3.34	cps
Thallium	205-1	11702	11945	11628	11759	1.41	cps
Tin	118-1	23336	24195	23930	23820	1.85	cps
Titanium	47-1	3954	4071	3897	3974	2.22	cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P7
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 14:14:27	DataFile Name :	033LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	12453	12323	13037	12604	3.02	cps
Vanadium	51-2	11975	11541	11761	11759	1.84	cps
Yttrium	89-1	9880104	9868464	9823813	9857461	0.30	cps
Yttrium	89-2	2846215	2769857	2757874	2791315	1.72	cps
Zinc	66-2	3530	3600	3744	3625	3.00	cps
Zirconium	90-1	9860	10374	10034	10089	2.59	cps
Zirconium	91-1	2227	2264	2214	2235	1.16	cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02DLX5	Instrumnet Name :	P7
Client Sample ID :	50765DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 14:18:24	DataFile Name :	034SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	17100	16412	17407	16973	3.00	cps
Antimony	121-1	10567	10774	10861	10734	1.41	cps
Arsenic	75-2	13603	14457	14607	14222	3.81	cps
Barium	135-1	2110	2210	2434	2251	7.35	cps
Barium	137-1	3754	3927	4264	3982	6.51	cps
Beryllium	9-1	7	10	4	7	46.83	cps
Bismuth	209-1	5628002	5934729	5740158	5767629	2.69	cps
Bismuth	209-2	5708544	5620260	5616888	5648564	0.92	cps
Bromine	81-1	20608	23045	23789	22481	7.40	cps
Bromine	81-2	2694	2840	2574	2702	4.94	cps
Cadmium	108-1	47	30	33	37	24.06	cps
Cadmium	106-1	2587	2767	2574	2642	4.09	cps
Cadmium	111-1	1848	2003	1865	1905	4.45	cps
Calcium	43-1	9630	10043	10077	9917	2.51	cps
Calcium	44-1	327194	346207	356816	343406	4.37	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	20701	20754	20491	20649	0.68	cps
Cobalt	59-2	2340	2334	2434	2369	2.36	cps
Copper	63-2	44616	44529	43396	44181	1.54	cps
Dysprosium	156-1	20	20	17	19	10.18	cps
Dysprosium	156-2	20	27	27	24	15.75	cps
Erbium	164-1	87	73	83	81	8.56	cps
Erbium	164-2	47	43	57	49	14.20	cps
Gadolinium	160-1	57	73	50	60	20.03	cps
Gadolinium	160-2	377	393	430	400	6.82	cps
Holmium	165-1	8944226	9082814	9561524	9196188	3.52	cps
Holmium	165-2	7865947	7652174	7606003	7708041	1.80	cps
Indium	115-1	7887587	7913984	8333832	8045134	3.11	cps
Indium	115-2	3280280	3299608	3265878	3281922	0.52	cps
Iron	56-2	88404572	87919062	87650362	87991332	0.43	cps
Iron	57-2	2232201	2128942	2169577	2176907	2.39	cps
Iron	54-2	4861938	4902298	4845934	4870056	0.60	cps
Krypton	83-1	537	457	573	522	11.42	cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02DLX5	Instrumnet Name :	P7
Client Sample ID :	50765DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 14:18:24	DataFile Name :	034SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	27047	29369	29171	28529	4.51	cps
Lead	207-1	22442	23214	24045	23234	3.45	cps
Lead	208-1	104762	110198	110297	108419	2.92	cps
Lithium	6-1	611802	627923	628572	622765	1.53	cps
Magnesium	24-2	37606	37613	37756	37658	0.23	cps
Manganese	55-2	505021	503683	505108	504604	0.16	cps
Molybdenum	94-1	13737	13820	14581	14046	3.31	cps
Molybdenum	95-1	21516	22982	23696	22731	4.89	cps
Molybdenum	96-1	23349	24564	26060	24658	5.51	cps
Molybdenum	97-1	13720	14010	14634	14121	3.31	cps
Molybdenum	98-1	35380	36248	37679	36436	3.19	cps
Neodymium	150-1	33	23	30	29	17.63	cps
Neodymium	150-2	20	17	30	22	31.22	cps
Nickel	60-2	24547	24724	25004	24758	0.93	cps
Phosphorus	31-2	80172	79747	80598	80173	0.53	cps
Potassium	39-2	13392520	13468521	13377956	13412999	0.36	cps
Rhodium	103-1	7626355	7983887	8427319	8012521	5.01	cps
Rhodium	103-2	5447091	5454828	5332346	5411422	1.27	cps
Scandium	45-1	4890900	5098742	5243786	5077809	3.49	cps
Scandium	45-2	433328	438426	430739	434164	0.90	cps
Selenium	82-1	5279	7919	9066	7421	26.16	cps
Selenium	77-2	1073	1020	1210	1101	8.90	cps
Selenium	78-2	4291	4291	4277	4286	0.18	cps
Silicon	28-1	11395313	12773055	13822991	12663786	9.61	cps
Silver	107-1	390	373	383	382	2.20	cps
Silver	109-1	340	437	360	379	13.47	cps
Sodium	23-2	4596210	4619214	4757614	4657679	1.87	cps
Strontium	86-1	3497	3674	3774	3648	3.84	cps
Strontium	88-1	24671	25880	26274	25608	3.26	cps
Sulfur	34-1	363628	364043	369571	365747	0.91	cps
Terbium	159-1	9089532	9183774	9526943	9266750	2.48	cps
Terbium	159-2	7651177	7780081	7687510	7706256	0.86	cps
Thallium	203-1	647	850	1023	840	22.44	cps
Thallium	205-1	1593	2294	2264	2050	19.31	cps
Tin	118-1	8423	8839	9293	8852	4.92	cps
Titanium	47-1	3557	3721	3610	3629	2.30	cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02DLX5	Instrumnet Name :	P7
Client Sample ID :	50765DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 14:18:24	DataFile Name :	034SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	120	73	77	90	28.93	cps
Vanadium	51-2	617	633	700	650	6.78	cps
Yttrium	89-1	12257229	12834108	12749680	12613672	2.47	cps
Yttrium	89-2	3711705	3748319	3756682	3738902	0.64	cps
Zinc	66-2	127304	125971	124388	125888	1.16	cps
Zirconium	90-1	2697	2507	2444	2549	5.17	cps
Zirconium	91-1	530	510	540	527	2.90	cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	50765DUPDL	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 14:31:01	DataFile Name :	038SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	16269	16429	16409	16369	0.53	cps
Antimony	121-1	9727	10214	10627	10189	4.42	cps
Arsenic	75-2	14671	15692	16706	15690	6.49	cps
Barium	135-1	2107	2260	2404	2257	6.57	cps
Barium	137-1	3994	3851	4134	3993	3.55	cps
Beryllium	9-1	8	4	8	7	30.03	cps
Bismuth	209-1	5284749	5628605	5755725	5556360	4.39	cps
Bismuth	209-2	5721323	5694558	5720907	5712263	0.27	cps
Bromine	81-1	20711	22751	23445	22303	6.37	cps
Bromine	81-2	2747	2614	2694	2685	2.50	cps
Cadmium	108-1	20	27	30	26	19.92	cps
Cadmium	106-1	2764	2680	2840	2761	2.90	cps
Cadmium	111-1	2041	1951	2064	2018	2.96	cps
Calcium	43-1	9143	9740	9687	9523	3.47	cps
Calcium	44-1	334321	350863	359131	348105	3.63	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	20150	19997	20043	20063	0.39	cps
Cobalt	59-2	2314	2237	2160	2237	3.43	cps
Copper	63-2	42123	42855	42166	42381	0.97	cps
Dysprosium	156-1	7	7	17	10	57.72	cps
Dysprosium	156-2	10	10	27	16	61.87	cps
Erbium	164-1	93	23	57	58	60.60	cps
Erbium	164-2	37	27	97	53	70.98	cps
Gadolinium	160-1	43	57	103	68	46.48	cps
Gadolinium	160-2	370	443	460	424	11.28	cps
Holmium	165-1	9028103	8981513	9389824	9133147	2.45	cps
Holmium	165-2	7687383	7719562	7707533	7704826	0.21	cps
Indium	115-1	7848776	7949153	8239125	8012351	2.53	cps
Indium	115-2	3255186	3236305	3284465	3258652	0.74	cps
Iron	56-2	86267759	85350275	87338615	86318883	1.15	cps
Iron	57-2	2150302	2114835	2148861	2137999	0.94	cps
Iron	54-2	4709382	4861527	4717217	4762709	1.80	cps
Krypton	83-1	413	430	543	462	15.30	cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	50765DUPDL	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 14:31:01	DataFile Name :	038SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	27044	28310	28500	27951	2.83	cps
Lead	207-1	22172	23754	23825	23250	4.02	cps
Lead	208-1	103096	108572	109120	106930	3.12	cps
Lithium	6-1	604473	624640	633335	620816	2.38	cps
Magnesium	24-2	37269	36279	37319	36956	1.59	cps
Manganese	55-2	495184	491081	501793	496019	1.09	cps
Molybdenum	94-1	13950	14417	14017	14128	1.79	cps
Molybdenum	95-1	22260	22851	23546	22886	2.81	cps
Molybdenum	96-1	24855	25048	26320	25408	3.13	cps
Molybdenum	97-1	14134	14387	15181	14567	3.75	cps
Molybdenum	98-1	35527	36573	36115	36071	1.45	cps
Neodymium	150-1	27	27	23	26	7.55	cps
Neodymium	150-2	17	20	27	21	24.12	cps
Nickel	60-2	24073	24113	24347	24177	0.61	cps
Phosphorus	31-2	78427	79396	79087	78970	0.63	cps
Potassium	39-2	12928115	12834027	13403493	13055212	2.34	cps
Rhodium	103-1	7981220	8238325	8272818	8164121	1.95	cps
Rhodium	103-2	5357804	5399421	5413141	5390122	0.53	cps
Scandium	45-1	4992782	5097887	5237340	5109336	2.40	cps
Scandium	45-2	431922	432416	430121	431486	0.28	cps
Selenium	82-1	9176	9331	9685	9397	2.77	cps
Selenium	77-2	1143	1200	1267	1203	5.13	cps
Selenium	78-2	4447	4664	4497	4536	2.50	cps
Silicon	28-1	12411026	13679072	14468273	13519457	7.68	cps
Silver	107-1	557	547	503	536	5.29	cps
Silver	109-1	663	497	513	558	16.46	cps
Sodium	23-2	4539812	4619824	4445429	4535022	1.92	cps
Strontium	86-1	3547	3540	3814	3634	4.29	cps
Strontium	88-1	24070	25205	25766	25014	3.45	cps
Sulfur	34-1	347880	354188	357319	353129	1.36	cps
Terbium	159-1	9289902	9338027	9936864	9521598	3.79	cps
Terbium	159-2	7735880	7623556	7671719	7677051	0.73	cps
Thallium	203-1	637	697	680	671	4.61	cps
Thallium	205-1	1383	1603	1560	1516	7.69	cps
Tin	118-1	8312	8746	8933	8664	3.67	cps
Titanium	47-1	3457	3600	3327	3462	3.95	cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	50765DUPDL	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 14:31:01	DataFile Name :	038SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	247	197	173	206	18.23	cps
Vanadium	51-2	790	703	660	718	9.22	cps
Yttrium	89-1	11877947	12610950	12658291	12382396	3.53	cps
Yttrium	89-2	3672172	3691197	3785292	3716220	1.63	cps
Zinc	66-2	122724	122176	122677	122526	0.25	cps
Zirconium	90-1	3317	2587	2787	2897	13.02	cps
Zirconium	91-1	740	613	670	674	9.41	cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02LDLX25	Instrumnet Name :	P7
Client Sample ID :	50765LDL	Dilution Factor :	25
Date & Time Acquired :	2025-08-05 14:34:11	DataFile Name :	039SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2810	2734	2870	2805	2.44	cps
Antimony	121-1	1517	1667	1720	1635	6.45	cps
Arsenic	75-2	2457	2474	2530	2487	1.55	cps
Barium	135-1	377	367	343	362	4.72	cps
Barium	137-1	570	580	617	589	4.17	cps
Beryllium	9-1	4	10	17	10	65.62	cps
Bismuth	209-1	4610711	4626258	4606674	4614548	0.22	cps
Bismuth	209-2	4556870	4499783	4582282	4546312	0.93	cps
Bromine	81-1	12385	12455	12919	12587	2.30	cps
Bromine	81-2	617	593	627	612	2.79	cps
Cadmium	108-1	30	3	13	16	86.63	cps
Cadmium	106-1	2414	2017	2160	2197	9.14	cps
Cadmium	111-1	1712	1446	1529	1562	8.70	cps
Calcium	43-1	1877	1847	1693	1806	5.45	cps
Calcium	44-1	106168	107417	107252	106946	0.63	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4791	4928	5358	5025	5.89	cps
Cobalt	59-2	317	427	440	394	17.16	cps
Copper	63-2	7409	7435	7512	7452	0.72	cps
Dysprosium	156-1	7	20	7	11	69.25	cps
Dysprosium	156-2	3	13	0	6	124.93	cps
Erbium	164-1	53	37	27	39	34.63	cps
Erbium	164-2	43	23	40	36	30.14	cps
Gadolinium	160-1	33	40	40	38	10.19	cps
Gadolinium	160-2	303	320	330	318	4.24	cps
Holmium	165-1	7583261	7582651	7745316	7637076	1.23	cps
Holmium	165-2	6179062	6138877	6246221	6188053	0.88	cps
Indium	115-1	6589373	6548787	6723890	6620683	1.38	cps
Indium	115-2	2696606	2543704	2603602	2614637	2.95	cps
Iron	56-2	12728676	13006069	12971122	12901956	1.17	cps
Iron	57-2	285146	284873	284148	284723	0.18	cps
Iron	54-2	631715	624872	634207	630265	0.77	cps
Krypton	83-1	520	430	467	472	9.58	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02LDLX25	Instrumnet Name :	P7
Client Sample ID :	50765LDL	Dilution Factor :	25
Date & Time Acquired :	2025-08-05 14:34:11	DataFile Name :	039SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4671	4868	4861	4800	2.33	cps
Lead	207-1	4044	4044	3937	4008	1.54	cps
Lead	208-1	18222	17955	17868	18015	1.02	cps
Lithium	6-1	517004	513455	511277	513912	0.56	cps
Magnesium	24-2	5828	5658	6215	5900	4.84	cps
Manganese	55-2	79355	79405	80685	79815	0.94	cps
Molybdenum	94-1	2374	2354	2477	2401	2.76	cps
Molybdenum	95-1	4024	3814	3754	3864	3.67	cps
Molybdenum	96-1	4321	4371	4241	4311	1.52	cps
Molybdenum	97-1	2550	2567	2360	2492	4.61	cps
Molybdenum	98-1	5981	6015	6158	6051	1.55	cps
Neodymium	150-1	7	3	7	6	34.70	cps
Neodymium	150-2	7	7	3	6	34.70	cps
Nickel	60-2	4337	4011	4024	4124	4.48	cps
Phosphorus	31-2	10397	10457	10507	10454	0.53	cps
Potassium	39-2	2094559	2064933	2101132	2086875	0.92	cps
Rhodium	103-1	6781300	6597008	6708980	6695763	1.39	cps
Rhodium	103-2	4336510	4311315	4322755	4323527	0.29	cps
Scandium	45-1	4313747	4201747	4300574	4272023	1.43	cps
Scandium	45-2	349834	344815	346524	347058	0.74	cps
Selenium	82-1	2852	2759	2813	2808	1.66	cps
Selenium	77-2	263	273	270	269	1.89	cps
Selenium	78-2	1503	1527	1467	1499	2.02	cps
Silicon	28-1	3568336	3579242	3597853	3581811	0.42	cps
Silver	107-1	187	253	157	199	24.88	cps
Silver	109-1	130	140	130	133	4.33	cps
Sodium	23-2	607514	611136	611688	610112	0.37	cps
Strontium	86-1	1197	1327	1303	1276	5.43	cps
Strontium	88-1	4061	4324	4277	4221	3.33	cps
Sulfur	34-1	197401	197640	198222	197754	0.21	cps
Terbium	159-1	7865967	7777602	7802012	7815194	0.58	cps
Terbium	159-2	6160396	6247634	6108947	6172325	1.14	cps
Thallium	203-1	283	330	310	308	7.61	cps
Thallium	205-1	733	750	710	731	2.75	cps
Tin	118-1	3297	2847	2840	2995	8.74	cps
Titanium	47-1	617	603	553	591	5.65	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02LDLX25	Instrumnet Name :	P7
Client Sample ID :	50765LDL	Dilution Factor :	25
Date & Time Acquired :	2025-08-05 14:34:11	DataFile Name :	039SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	33	27	30	30	11.10	cps
Vanadium	51-2	127	137	153	139	9.70	cps
Yttrium	89-1	10444137	10384032	10363622	10397263	0.40	cps
Yttrium	89-2	3028797	3012202	2976468	3005822	0.89	cps
Zinc	66-2	19039	18628	18745	18804	1.12	cps
Zirconium	90-1	640	720	710	690	6.32	cps
Zirconium	91-1	120	97	153	123	23.09	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02MSDLX5	Instrumnet Name :	P7
Client Sample ID :	50765MSDL	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 14:37:27	DataFile Name :	040SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	356799	358070	361483	358784	0.68	cps
Antimony	121-1	646213	667558	688059	667277	3.14	cps
Arsenic	75-2	136460	136890	136283	136544	0.23	cps
Barium	135-1	659050	675311	689441	674601	2.25	cps
Barium	137-1	1140343	1162016	1186911	1163090	2.00	cps
Beryllium	9-1	97050	99045	103231	99775	3.16	cps
Bismuth	209-1	5442047	5471142	5601695	5504961	1.54	cps
Bismuth	209-2	5546856	5679928	5533807	5586863	1.45	cps
Bromine	81-1	18712	20561	21142	20138	6.30	cps
Bromine	81-2	2134	2134	2204	2157	1.87	cps
Cadmium	108-1	12686	12859	13320	12955	2.53	cps
Cadmium	106-1	20725	21042	21409	21059	1.63	cps
Cadmium	111-1	184514	185694	191068	187092	1.87	cps
Calcium	43-1	201976	206212	209813	206000	1.90	cps
Calcium	44-1	3945417	4124317	4180186	4083306	3.00	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	364171	365275	364566	364670	0.15	cps
Cobalt	59-2	558658	558754	562294	559902	0.37	cps
Copper	63-2	4806515	4801932	4698381	4768943	1.28	cps
Dysprosium	156-1	47	37	53	46	18.41	cps
Dysprosium	156-2	63	73	80	72	11.62	cps
Erbium	164-1	60	87	53	67	26.46	cps
Erbium	164-2	60	50	53	54	9.35	cps
Gadolinium	160-1	83	63	57	68	20.47	cps
Gadolinium	160-2	363	350	407	373	7.94	cps
Holmium	165-1	9030200	9081117	9203197	9104838	0.98	cps
Holmium	165-2	7590734	7578038	7686564	7618445	0.78	cps
Indium	115-1	7714252	7878298	7851583	7814711	1.13	cps
Indium	115-2	3218371	3230639	3115663	3188225	1.98	cps
Iron	56-2	98109455	100629512	98451335	99063434	1.38	cps
Iron	57-2	2397348	2478281	2427265	2434298	1.68	cps
Iron	54-2	5459428	5604485	5422720	5495544	1.75	cps
Krypton	83-1	543	513	507	521	3.75	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02MSDLX5	Instrumnet Name :	P7
Client Sample ID :	50765MSDL	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 14:37:27	DataFile Name :	040SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2658731	2792880	2858388	2770000	3.67	cps
Lead	207-1	2414358	2406021	2448251	2422876	0.92	cps
Lead	208-1	10765466	11004080	11219584	10996377	2.07	cps
Lithium	6-1	601578	603986	621170	608911	1.75	cps
Magnesium	24-2	3915208	3920830	3932177	3922738	0.22	cps
Manganese	55-2	3754287	3789311	3820312	3787970	0.87	cps
Molybdenum	94-1	1161824	1185725	1208318	1185289	1.96	cps
Molybdenum	95-1	1537694	1516128	1590411	1548078	2.47	cps
Molybdenum	96-1	1669669	1696354	1744267	1703430	2.22	cps
Molybdenum	97-1	799647	817574	834508	817243	2.13	cps
Molybdenum	98-1	2402306	2441567	2475125	2439666	1.49	cps
Neodymium	150-1	43	47	50	47	7.15	cps
Neodymium	150-2	33	23	3	20	76.39	cps
Nickel	60-2	168649	171874	169781	170101	0.96	cps
Phosphorus	31-2	77114	77850	79385	78117	1.48	cps
Potassium	39-2	14531612	14592227	14508276	14544039	0.30	cps
Rhodium	103-1	7791647	7734906	8041803	7856119	2.08	cps
Rhodium	103-2	5254289	5209479	5328083	5263950	1.14	cps
Scandium	45-1	4956878	5101054	5001905	5019946	1.47	cps
Scandium	45-2	424651	422527	424252	423810	0.27	cps
Selenium	82-1	26504	29670	31430	29201	8.55	cps
Selenium	77-2	3681	3821	3837	3779	2.28	cps
Selenium	78-2	13460	13283	13490	13411	0.83	cps
Silicon	28-1	11493370	12430156	12982541	12302023	6.12	cps
Silver	107-1	150349	150334	156471	152385	2.32	cps
Silver	109-1	138478	140481	146281	141746	2.86	cps
Sodium	23-2	9918000	10206400	9930088	10018162	1.63	cps
Strontium	86-1	256476	263050	267790	262439	2.17	cps
Strontium	88-1	2655197	2761534	2777554	2731429	2.43	cps
Sulfur	34-1	342119	344732	348507	345119	0.93	cps
Terbium	159-1	8927224	9172283	9299084	9132864	2.07	cps
Terbium	159-2	7477396	7534497	7639235	7550376	1.09	cps
Thallium	203-1	530877	547598	553906	544127	2.19	cps
Thallium	205-1	1248258	1295454	1323563	1289091	2.95	cps
Tin	118-1	477335	493518	505144	491999	2.84	cps
Titanium	47-1	3754	3821	3981	3852	3.03	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02MSDLX5	Instrumnet Name :	P7
Client Sample ID :	50765MSDL	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 14:37:27	DataFile Name :	040SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	1888839	1921191	1950334	1920122	1.60	cps
Vanadium	51-2	304322	300234	303304	302620	0.70	cps
Yttrium	89-1	12158553	12441344	12340956	12313618	1.16	cps
Yttrium	89-2	3740086	3675384	3652805	3689425	1.23	cps
Zinc	66-2	888766	890564	882612	887314	0.47	cps
Zirconium	90-1	1157082	1200943	1430630	1262885	11.63	cps
Zirconium	91-1	261280	266275	272939	266831	2.19	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02MSDDLX5	Instrumnet Name :	P7
Client Sample ID :	50765MSDDL	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 14:40:25	DataFile Name :	041SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	371425	376349	367275	371683	1.22	cps
Antimony	121-1	667498	686858	701643	685333	2.50	cps
Arsenic	75-2	142579	143391	144086	143352	0.53	cps
Barium	135-1	669049	695592	703863	689501	2.64	cps
Barium	137-1	1163469	1205049	1223479	1197332	2.57	cps
Beryllium	9-1	100480	104196	105731	103469	2.61	cps
Bismuth	209-1	5380859	5512453	5709814	5534376	2.99	cps
Bismuth	209-2	5805278	5747338	5522547	5691721	2.62	cps
Bromine	81-1	18849	20788	21456	20364	6.65	cps
Bromine	81-2	2324	2157	2240	2240	3.72	cps
Cadmium	108-1	12963	13506	13403	13291	2.17	cps
Cadmium	106-1	20768	21269	21920	21319	2.71	cps
Cadmium	111-1	187527	189680	193077	190095	1.47	cps
Calcium	43-1	207992	213652	215795	212480	1.90	cps
Calcium	44-1	4073743	4153075	4248252	4158357	2.10	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	375830	378918	377055	377268	0.41	cps
Cobalt	59-2	582964	584218	581203	582795	0.26	cps
Copper	63-2	4967443	5025500	4967966	4986969	0.67	cps
Dysprosium	156-1	50	23	30	34	40.30	cps
Dysprosium	156-2	67	80	87	78	13.09	cps
Erbium	164-1	83	97	40	73	40.40	cps
Erbium	164-2	63	57	37	52	26.57	cps
Gadolinium	160-1	77	83	63	74	13.68	cps
Gadolinium	160-2	400	430	383	404	5.85	cps
Holmium	165-1	8917633	9177309	9360790	9151911	2.43	cps
Holmium	165-2	7719028	8019042	7599560	7779210	2.78	cps
Indium	115-1	7772560	7758598	7916569	7815909	1.12	cps
Indium	115-2	3272219	3283031	3209041	3254764	1.23	cps
Iron	56-2	102398598	105228755	103093292	103573548	1.42	cps
Iron	57-2	2512338	2572754	2611472	2565521	1.95	cps
Iron	54-2	5710991	5687273	5819672	5739312	1.23	cps
Krypton	83-1	477	557	517	517	7.74	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02MSDDLX5	Instrumnet Name :	P7
Client Sample ID :	50765MSDDL	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 14:40:25	DataFile Name :	041SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2835285	2872300	2909148	2872244	1.29	cps
Lead	207-1	2405519	2507814	2487288	2466874	2.19	cps
Lead	208-1	10921421	11292975	11472503	11228966	2.50	cps
Lithium	6-1	613917	613321	629244	618827	1.46	cps
Magnesium	24-2	4063049	4120072	3928208	4037110	2.44	cps
Manganese	55-2	3944081	4004225	3972280	3973529	0.76	cps
Molybdenum	94-1	1189998	1222642	1441829	1284823	10.66	cps
Molybdenum	95-1	1550947	1553218	1602952	1569039	1.87	cps
Molybdenum	96-1	1738577	1761994	1768577	1756383	0.90	cps
Molybdenum	97-1	825898	832286	853438	837207	1.72	cps
Molybdenum	98-1	2509636	2489965	2551428	2517009	1.25	cps
Neodymium	150-1	43	43	27	38	25.46	cps
Neodymium	150-2	20	20	37	26	37.66	cps
Nickel	60-2	174231	179607	173806	175881	1.84	cps
Phosphorus	31-2	83182	84191	81442	82938	1.68	cps
Potassium	39-2	15111160	15339543	15107178	15185960	0.88	cps
Rhodium	103-1	7711641	7881319	7953254	7848738	1.58	cps
Rhodium	103-2	5416756	5408825	5279203	5368261	1.44	cps
Scandium	45-1	5027831	5072970	5108257	5069686	0.80	cps
Scandium	45-2	433064	439847	429731	434214	1.19	cps
Selenium	82-1	28704	31139	33178	31007	7.22	cps
Selenium	77-2	3874	4004	3984	3954	1.77	cps
Selenium	78-2	13890	13883	13700	13824	0.78	cps
Silicon	28-1	11670513	12712982	13186521	12523338	6.19	cps
Silver	107-1	151150	154719	160355	155408	2.99	cps
Silver	109-1	143885	146658	149232	146592	1.82	cps
Sodium	23-2	10511992	10787694	10519696	10606461	1.48	cps
Strontium	86-1	263510	272994	275300	270601	2.31	cps
Strontium	88-1	2806155	2796762	2794413	2799110	0.22	cps
Sulfur	34-1	343558	347132	348722	346471	0.76	cps
Terbium	159-1	9162857	9284400	9461392	9302883	1.61	cps
Terbium	159-2	7580463	7796342	7509823	7628876	1.96	cps
Thallium	203-1	543173	553440	572965	556526	2.72	cps
Thallium	205-1	1278859	1318314	1352309	1316494	2.79	cps
Tin	118-1	495172	502393	513253	503606	1.81	cps
Titanium	47-1	3854	4034	4004	3964	2.43	cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02MSDDLX5	Instrumnet Name :	P7
Client Sample ID :	50765MSDDL	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 14:40:25	DataFile Name :	041SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	1910877	2063486	2029169	2001177	4.00	cps
Vanadium	51-2	318595	317564	314210	316790	0.72	cps
Yttrium	89-1	12243992	12519333	12619704	12461010	1.56	cps
Yttrium	89-2	3722317	3681187	3698060	3700521	0.56	cps
Zinc	66-2	921760	928696	920924	923793	0.46	cps
Zirconium	90-1	1390069	1460918	1469292	1440093	3.02	cps
Zirconium	91-1	266681	275921	278242	273614	2.24	cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02ADLX5	Instrumnet Name :	P7
Client Sample ID :	50765ADL	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 14:43:26	DataFile Name :	042SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	365070	362845	364897	364271	0.34	cps
Antimony	121-1	680880	691660	706174	692905	1.83	cps
Arsenic	75-2	156507	156705	156750	156654	0.08	cps
Barium	135-1	682183	696089	711383	696552	2.10	cps
Barium	137-1	1177796	1203905	1239211	1206971	2.55	cps
Beryllium	9-1	101547	103365	105863	103592	2.09	cps
Bismuth	209-1	5526980	5624838	5835435	5662418	2.78	cps
Bismuth	209-2	5662071	5588105	5536158	5595445	1.13	cps
Bromine	81-1	18655	21045	21706	20469	7.84	cps
Bromine	81-2	2174	2250	2074	2166	4.09	cps
Cadmium	108-1	13420	13820	13863	13701	1.79	cps
Cadmium	106-1	21486	21770	22224	21827	1.71	cps
Cadmium	111-1	189915	193458	198624	193999	2.26	cps
Calcium	43-1	209314	213963	218401	213893	2.12	cps
Calcium	44-1	4084333	4186602	4293302	4188079	2.49	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	374442	372428	377301	374724	0.65	cps
Cobalt	59-2	569511	571114	570041	570222	0.14	cps
Copper	63-2	4863770	4871140	5074008	4936306	2.42	cps
Dysprosium	156-1	33	37	47	39	17.85	cps
Dysprosium	156-2	43	40	47	43	7.70	cps
Erbium	164-1	80	90	73	81	10.34	cps
Erbium	164-2	90	70	67	76	16.70	cps
Gadolinium	160-1	110	57	87	84	31.66	cps
Gadolinium	160-2	370	433	440	414	9.32	cps
Holmium	165-1	9302801	9364432	9601842	9423025	1.68	cps
Holmium	165-2	7723317	7764055	7792783	7760051	0.45	cps
Indium	115-1	7908857	8028567	8198268	8045231	1.81	cps
Indium	115-2	3302444	3246648	3259337	3269476	0.89	cps
Iron	56-2	101207722	102611602	102403835	102074386	0.74	cps
Iron	57-2	2462824	2496697	2537685	2499069	1.50	cps
Iron	54-2	5533227	5634378	5531979	5566528	1.06	cps
Krypton	83-1	547	450	520	506	9.88	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02ADLX5	Instrumnet Name :	P7
Client Sample ID :	50765ADL	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 14:43:26	DataFile Name :	042SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2830439	2896072	2939939	2888816	1.91	cps
Lead	207-1	2402765	2443414	2534721	2460300	2.75	cps
Lead	208-1	10972436	11206684	11449394	11209504	2.13	cps
Lithium	6-1	624535	630694	649325	634851	2.03	cps
Magnesium	24-2	3949836	3979180	3935053	3954690	0.57	cps
Manganese	55-2	3869853	3979090	3851467	3900137	1.77	cps
Molybdenum	94-1	1385422	1454478	1481406	1440435	3.44	cps
Molybdenum	95-1	1524435	1601737	1607820	1577997	2.95	cps
Molybdenum	96-1	1715307	1785507	1796814	1765876	2.50	cps
Molybdenum	97-1	822049	845098	856670	841272	2.09	cps
Molybdenum	98-1	2403292	2508206	2641601	2517700	4.74	cps
Neodymium	150-1	43	43	47	44	4.34	cps
Neodymium	150-2	13	13	17	14	13.35	cps
Nickel	60-2	174103	174080	174515	174233	0.14	cps
Phosphorus	31-2	80036	79814	80859	80236	0.69	cps
Potassium	39-2	14812012	15056119	15338301	15068811	1.75	cps
Rhodium	103-1	8042119	8284381	8313733	8213411	1.81	cps
Rhodium	103-2	5338189	5341225	5342435	5340616	0.04	cps
Scandium	45-1	5147300	5120029	5330393	5199241	2.20	cps
Scandium	45-2	431317	432563	437677	433852	0.78	cps
Selenium	82-1	29459	31983	33825	31756	6.90	cps
Selenium	77-2	4267	4127	3857	4084	5.10	cps
Selenium	78-2	13730	13590	14077	13799	1.82	cps
Silicon	28-1	11889971	12795600	13485344	12723638	6.29	cps
Silver	107-1	153325	157902	160454	157227	2.30	cps
Silver	109-1	142926	147770	152478	147724	3.23	cps
Sodium	23-2	10435008	10535313	10306278	10425533	1.10	cps
Strontium	86-1	264780	274921	280284	273328	2.88	cps
Strontium	88-1	2761937	2853914	2856850	2824233	1.91	cps
Sulfur	34-1	342049	347749	348807	346202	1.05	cps
Terbium	159-1	9234172	9571275	9879387	9561611	3.38	cps
Terbium	159-2	7763463	7769115	7484174	7672251	2.12	cps
Thallium	203-1	543042	564729	570015	559262	2.56	cps
Thallium	205-1	1322538	1334994	1356694	1338075	1.29	cps
Tin	118-1	495447	502371	518560	505459	2.35	cps
Titanium	47-1	3967	3921	4007	3965	1.09	cps

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LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02ADLX5	Instrumnet Name :	P7
Client Sample ID :	50765ADL	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 14:43:26	DataFile Name :	042SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	2033162	1987203	2101162	2040509	2.81	cps
Vanadium	51-2	308644	311973	310959	310526	0.55	cps
Yttrium	89-1	12536466	12832983	12739442	12702964	1.19	cps
Yttrium	89-2	3688197	3742613	3819542	3750117	1.76	cps
Zinc	66-2	907948	912997	916874	912606	0.49	cps
Zirconium	90-1	1402929	1485930	1469203	1452687	3.02	cps
Zirconium	91-1	269699	276060	279871	275210	1.87	cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCV02	Instrumnet Name :	P7
Client Sample ID :	CCV02	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 14:46:24	DataFile Name :	043CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	9336732	9125885	9273872	9245496	1.17	cps
Antimony	121-1	3262322	3264034	3296786	3274381	0.59	cps
Arsenic	75-2	200753	202707	201025	201495	0.53	cps
Barium	135-1	3879642	3968690	4061036	3969789	2.28	cps
Barium	137-1	6917722	6913336	6924373	6918477	0.08	cps
Beryllium	9-1	419858	429204	427895	425652	1.19	cps
Bismuth	209-1	4513894	4665634	4605467	4594998	1.66	cps
Bismuth	209-2	4404215	4354453	4381342	4380003	0.57	cps
Bromine	81-1	10921	10624	10908	10817	1.55	cps
Bromine	81-2	223	180	147	183	20.97	cps
Cadmium	108-1	55616	56225	55968	55936	0.55	cps
Cadmium	106-1	79054	80763	80753	80190	1.23	cps
Cadmium	111-1	768174	781076	785900	778383	1.18	cps
Calcium	43-1	5019681	5085951	5005322	5036985	0.85	cps
Calcium	44-1	82162989	82667044	81672264	82167432	0.61	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1759696	1784133	1727012	1756947	1.63	cps
Cobalt	59-2	2808068	2717017	2722086	2749057	1.86	cps
Copper	63-2	21016515	20543226	20374214	20644652	1.61	cps
Dysprosium	156-1	177	153	187	172	9.93	cps
Dysprosium	156-2	310	287	287	294	4.58	cps
Erbium	164-1	367	323	413	368	12.24	cps
Erbium	164-2	337	350	300	329	7.87	cps
Gadolinium	160-1	180	193	160	178	9.44	cps
Gadolinium	160-2	430	440	483	451	6.29	cps
Holmium	165-1	8097867	7957029	7909410	7988102	1.23	cps
Holmium	165-2	6561313	6494611	6496670	6517532	0.58	cps
Indium	115-1	6698321	6633838	6553651	6628603	1.09	cps
Indium	115-2	2636733	2617561	2615340	2623211	0.45	cps
Iron	56-2	409660821	407441634	404023607	407042021	0.70	cps
Iron	57-2	10306901	10133412	10362426	10267580	1.16	cps
Iron	54-2	22769707	22726366	22350239	22615437	1.02	cps
Krypton	83-1	490	540	490	507	5.70	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCV02	Instrumnet Name :	P7
Client Sample ID :	CCV02	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 14:46:24	DataFile Name :	043CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	12065047	12026340	11863991	11985126	0.89	cps
Lead	207-1	10020720	10245775	10211585	10159360	1.19	cps
Lead	208-1	45154743	47049371	46533461	46245859	2.12	cps
Lithium	6-1	527186	536500	528169	530618	0.96	cps
Magnesium	24-2	80083029	80750739	79626840	80153536	0.71	cps
Manganese	55-2	14734831	14840802	14569258	14714964	0.93	cps
Molybdenum	94-1	13041374	13065354	13138518	13081749	0.39	cps
Molybdenum	95-1	18836289	18950134	18529911	18772111	1.16	cps
Molybdenum	96-1	19959011	20855073	20004357	20272813	2.49	cps
Molybdenum	97-1	11314892	11796469	11650846	11587402	2.13	cps
Molybdenum	98-1	29516465	29475085	29985030	29658860	0.95	cps
Neodymium	150-1	137	163	147	149	9.05	cps
Neodymium	150-2	57	50	73	60	20.03	cps
Nickel	60-2	596577	600732	591765	596358	0.75	cps
Phosphorus	31-2	90107	89343	89706	89719	0.43	cps
Potassium	39-2	47453883	47661186	47674021	47596363	0.26	cps
Rhodium	103-1	6624518	6651871	6635747	6637379	0.21	cps
Rhodium	103-2	4217186	4221748	4250224	4229719	0.42	cps
Scandium	45-1	4523369	4446698	4462562	4477543	0.90	cps
Scandium	45-2	367305	364862	361994	364720	0.73	cps
Selenium	82-1	64677	64923	64872	64824	0.20	cps
Selenium	77-2	7165	7405	7098	7223	2.23	cps
Selenium	78-2	24330	24941	24280	24517	1.50	cps
Silicon	28-1	7610305	7873706	7883851	7789287	1.99	cps
Silver	107-1	4551104	4645882	4668029	4621672	1.34	cps
Silver	109-1	4291296	4383530	4344241	4339689	1.07	cps
Sodium	23-2	122640785	123816175	120542218	122333059	1.36	cps
Strontium	86-1	1014407	1018061	1015395	1015954	0.19	cps
Strontium	88-1	10451412	10809256	10562043	10607570	1.73	cps
Sulfur	34-1	431904	433317	430927	432049	0.28	cps
Terbium	159-1	7926279	8024069	8038302	7996217	0.76	cps
Terbium	159-2	6342721	6354456	6278146	6325107	0.65	cps
Thallium	203-1	2949578	2992948	2929859	2957461	1.09	cps
Thallium	205-1	7023403	7161853	7124553	7103270	1.01	cps
Tin	118-1	2800956	2789836	2839302	2810031	0.92	cps
Titanium	47-1	5097717	4952453	4949945	5000038	1.69	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCV02	Instrumnet Name :	P7
Client Sample ID :	CCV02	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 14:46:24	DataFile Name :	043CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8429642	8514366	8679352	8541120	1.49	cps
Vanadium	51-2	1507788	1493835	1476144	1492589	1.06	cps
Yttrium	89-1	10998975	11043317	10926529	10989607	0.54	cps
Yttrium	89-2	3144297	3098798	3089294	3110796	0.95	cps
Zinc	66-2	3784415	3743229	3706757	3744800	1.04	cps
Zirconium	90-1	6326301	6597178	6437544	6453674	2.11	cps
Zirconium	91-1	1199355	1224694	1211551	1211867	1.05	cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCB02	Instrumnet Name :	P7
Client Sample ID :	CCB02	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 14:53:49	DataFile Name :	045CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	363	407	383	384	5.64	cps
Antimony	121-1	163	217	263	214	23.33	cps
Arsenic	75-2	57	60	87	68	24.26	cps
Barium	135-1	37	33	27	32	15.80	cps
Barium	137-1	57	47	57	53	10.82	cps
Beryllium	9-1	7	7	10	8	24.73	cps
Bismuth	209-1	4548171	4606445	4521927	4558848	0.95	cps
Bismuth	209-2	4415515	4524029	4421551	4453699	1.37	cps
Bromine	81-1	10647	10617	10377	10547	1.40	cps
Bromine	81-2	233	260	240	244	5.68	cps
Cadmium	108-1	13	20	13	16	24.76	cps
Cadmium	106-1	2114	2070	1977	2054	3.40	cps
Cadmium	111-1	1493	1482	1391	1455	3.85	cps
Calcium	43-1	373	347	420	380	9.77	cps
Calcium	44-1	52072	51611	52032	51905	0.49	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2217	2174	2177	2189	1.10	cps
Cobalt	59-2	53	73	53	60	19.25	cps
Copper	63-2	1157	1260	1207	1208	4.28	cps
Dysprosium	156-1	10	0	3	4	114.60	cps
Dysprosium	156-2	7	3	10	7	50.03	cps
Erbium	164-1	70	37	57	54	30.81	cps
Erbium	164-2	13	50	33	32	56.98	cps
Gadolinium	160-1	43	33	43	40	14.43	cps
Gadolinium	160-2	327	323	277	309	9.05	cps
Holmium	165-1	7493780	7491969	7456264	7480671	0.28	cps
Holmium	165-2	6111026	5986602	5939668	6012432	1.47	cps
Indium	115-1	6582964	6400824	6518377	6500722	1.42	cps
Indium	115-2	2547203	2596453	2537467	2560375	1.24	cps
Iron	56-2	21539	21145	21335	21340	0.92	cps
Iron	57-2	1270	1383	1347	1333	4.34	cps
Iron	54-2	2567	2390	2367	2441	4.48	cps
Krypton	83-1	517	480	503	500	3.71	cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCB02	Instrumnet Name :	P7
Client Sample ID :	CCB02	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 14:53:49	DataFile Name :	045CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	513	483	407	468	11.76	cps
Lead	207-1	500	407	363	423	16.50	cps
Lead	208-1	1800	1787	1667	1751	4.19	cps
Lithium	6-1	508471	511180	505072	508241	0.60	cps
Magnesium	24-2	423	417	433	424	1.98	cps
Manganese	55-2	6248	6598	6421	6423	2.73	cps
Molybdenum	94-1	393	340	337	357	8.92	cps
Molybdenum	95-1	330	320	243	298	15.92	cps
Molybdenum	96-1	423	410	430	421	2.42	cps
Molybdenum	97-1	293	253	270	272	7.38	cps
Molybdenum	98-1	533	577	500	537	7.16	cps
Neodymium	150-1	13	0	3	6	124.93	cps
Neodymium	150-2	10	10	0	7	86.60	cps
Nickel	60-2	620	667	703	663	6.30	cps
Phosphorus	31-2	650	710	703	688	4.78	cps
Potassium	39-2	72424	72421	72984	72610	0.45	cps
Rhodium	103-1	6412539	6491562	6544338	6482813	1.02	cps
Rhodium	103-2	4309666	4126005	4124829	4186833	2.54	cps
Scandium	45-1	4186752	4169207	4145958	4167306	0.49	cps
Scandium	45-2	344312	339484	344112	342636	0.80	cps
Selenium	82-1	706	719	588	671	10.73	cps
Selenium	77-2	60	43	23	42	43.49	cps
Selenium	78-2	653	620	597	623	4.57	cps
Silicon	28-1	1248007	1201996	1231244	1227082	1.90	cps
Silver	107-1	110	167	103	127	27.47	cps
Silver	109-1	153	143	120	139	12.32	cps
Sodium	23-2	44334	43378	43150	43621	1.44	cps
Strontium	86-1	837	787	877	833	5.41	cps
Strontium	88-1	190	273	227	230	18.16	cps
Sulfur	34-1	180944	179888	179808	180213	0.35	cps
Terbium	159-1	7783780	7666386	7587034	7679067	1.29	cps
Terbium	159-2	6146895	5885651	5985206	6005917	2.20	cps
Thallium	203-1	210	187	160	186	13.48	cps
Thallium	205-1	513	423	407	448	12.81	cps
Tin	118-1	1887	1800	1893	1860	2.80	cps
Titanium	47-1	123	123	100	116	11.66	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCB02	Instrumnet Name :	P7
Client Sample ID :	CCB02	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 14:53:49	DataFile Name :	045CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	23	33	43	33	30.00	cps
Vanadium	51-2	17	23	47	29	54.53	cps
Yttrium	89-1	10250453	10491282	10368365	10370034	1.16	cps
Yttrium	89-2	2981897	2931605	2970599	2961367	0.89	cps
Zinc	66-2	617	633	550	600	7.35	cps
Zirconium	90-1	570	467	583	540	11.83	cps
Zirconium	91-1	107	93	120	107	12.50	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	PB169097BL	Instrumnet Name :	P7
Client Sample ID :	PB169097BL	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 14:57:07	DataFile Name :	046CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	393	380	317	363	11.27	cps
Antimony	121-1	117	117	193	142	31.12	cps
Arsenic	75-2	27	20	33	27	24.99	cps
Barium	135-1	20	27	23	23	14.29	cps
Barium	137-1	20	47	23	30	48.44	cps
Beryllium	9-1	7	7	7	7	0.26	cps
Bismuth	209-1	4405089	4479866	4538618	4474524	1.50	cps
Bismuth	209-2	4396431	4297470	4340696	4344866	1.14	cps
Bromine	81-1	10434	10374	10250	10353	0.90	cps
Bromine	81-2	183	250	200	211	16.43	cps
Cadmium	108-1	13	7	7	9	43.25	cps
Cadmium	106-1	2110	2050	2134	2098	2.05	cps
Cadmium	111-1	1494	1440	1512	1482	2.52	cps
Calcium	43-1	453	353	340	382	16.21	cps
Calcium	44-1	49086	50189	51624	50300	2.53	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2057	2280	2027	2121	6.53	cps
Cobalt	59-2	63	77	37	59	34.58	cps
Copper	63-2	1103	1077	1073	1084	1.52	cps
Dysprosium	156-1	3	3	7	4	43.40	cps
Dysprosium	156-2	10	3	0	4	114.60	cps
Erbium	164-1	43	63	40	49	25.81	cps
Erbium	164-2	40	37	20	32	33.25	cps
Gadolinium	160-1	23	60	23	36	59.55	cps
Gadolinium	160-2	340	320	333	331	3.08	cps
Holmium	165-1	7314759	7258142	7199962	7257621	0.79	cps
Holmium	165-2	6134054	5991024	5888198	6004425	2.06	cps
Indium	115-1	6300184	6402717	6419624	6374175	1.01	cps
Indium	115-2	2587187	2554209	2479060	2540152	2.18	cps
Iron	56-2	20795	19873	20224	20297	2.29	cps
Iron	57-2	1390	1200	1477	1356	10.44	cps
Iron	54-2	2594	2200	2464	2419	8.29	cps
Krypton	83-1	470	467	497	478	3.44	cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	PB169097BL	Instrumnet Name :	P7
Client Sample ID :	PB169097BL	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 14:57:07	DataFile Name :	046CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	433	400	417	417	4.00	cps
Lead	207-1	347	327	353	342	4.06	cps
Lead	208-1	1637	1580	1613	1610	1.77	cps
Lithium	6-1	502961	511375	509256	507864	0.86	cps
Magnesium	24-2	263	267	297	276	6.66	cps
Manganese	55-2	6095	6128	6065	6096	0.52	cps
Molybdenum	94-1	337	347	390	358	7.92	cps
Molybdenum	95-1	300	257	247	268	10.59	cps
Molybdenum	96-1	310	273	323	302	8.57	cps
Molybdenum	97-1	210	217	203	210	3.17	cps
Molybdenum	98-1	390	453	437	427	7.69	cps
Neodymium	150-1	3	0	7	3	100.05	cps
Neodymium	150-2	0	0	3	1	173.21	cps
Nickel	60-2	583	590	627	600	3.89	cps
Phosphorus	31-2	670	610	643	641	4.69	cps
Potassium	39-2	72475	71206	71845	71842	0.88	cps
Rhodium	103-1	6344307	6407486	6424277	6392023	0.66	cps
Rhodium	103-2	4126724	4181798	4133198	4147240	0.73	cps
Scandium	45-1	4142314	4171631	4084408	4132785	1.07	cps
Scandium	45-2	339263	331923	336358	335848	1.10	cps
Selenium	82-1	528	580	537	548	5.14	cps
Selenium	77-2	20	33	37	30	29.40	cps
Selenium	78-2	597	543	610	583	6.05	cps
Silicon	28-1	761146	766948	753386	760493	0.89	cps
Silver	107-1	67	80	87	78	13.09	cps
Silver	109-1	63	63	80	69	13.97	cps
Sodium	23-2	41322	40543	40961	40942	0.95	cps
Strontium	86-1	843	793	857	831	4.02	cps
Strontium	88-1	200	220	207	209	4.87	cps
Sulfur	34-1	182856	185028	183760	183881	0.59	cps
Terbium	159-1	7549274	7563544	7530347	7547722	0.22	cps
Terbium	159-2	6042983	5911056	5788141	5914060	2.15	cps
Thallium	203-1	150	153	123	142	11.56	cps
Thallium	205-1	337	320	350	336	4.48	cps
Tin	118-1	2100	1910	1947	1986	5.08	cps
Titanium	47-1	110	103	110	108	3.57	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	PB169097BL	Instrumnet Name :	P7
Client Sample ID :	PB169097BL	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 14:57:07	DataFile Name :	046CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	20	20	13	18	21.66	cps
Vanadium	51-2	43	20	20	28	48.49	cps
Yttrium	89-1	10197667	10001684	9970433	10056595	1.22	cps
Yttrium	89-2	2959155	2898691	2845400	2901082	1.96	cps
Zinc	66-2	787	807	750	781	3.68	cps
Zirconium	90-1	440	533	483	486	9.62	cps
Zirconium	91-1	87	117	60	88	32.30	cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	PB169097BS	Instrumnet Name :	P7
Client Sample ID :	PB169097BS	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 15:00:22	DataFile Name :	047LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1750104	1729350	1756177	1745210	0.81	cps
Antimony	121-1	3095536	3171041	3147306	3137961	1.23	cps
Arsenic	75-2	188960	188575	188927	188820	0.11	cps
Barium	135-1	3724061	3730915	3688851	3714609	0.61	cps
Barium	137-1	6465001	6525914	6440495	6477137	0.68	cps
Beryllium	9-1	403854	403390	404903	404049	0.19	cps
Bismuth	209-1	4468794	4565695	4561512	4532000	1.21	cps
Bismuth	209-2	4489627	4426005	4373996	4429876	1.31	cps
Bromine	81-1	9610	10307	10094	10003	3.57	cps
Bromine	81-2	137	130	150	139	7.33	cps
Cadmium	108-1	52642	54305	54398	53782	1.84	cps
Cadmium	106-1	76390	76705	77841	76979	0.99	cps
Cadmium	111-1	744656	750889	761370	752305	1.12	cps
Calcium	43-1	842602	847367	847931	845967	0.35	cps
Calcium	44-1	15439293	15667794	15642439	15583175	0.80	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1714841	1614981	1669163	1666328	3.00	cps
Cobalt	59-2	2617030	2695509	2665839	2659460	1.49	cps
Copper	63-2	20741041	20002577	19548683	20097434	2.99	cps
Dysprosium	156-1	47	83	70	67	27.83	cps
Dysprosium	156-2	177	120	177	158	20.74	cps
Erbium	164-1	90	147	130	122	23.83	cps
Erbium	164-2	100	73	90	88	15.35	cps
Gadolinium	160-1	50	60	77	62	21.65	cps
Gadolinium	160-2	353	340	313	336	6.07	cps
Holmium	165-1	7734317	7619176	7843261	7732251	1.45	cps
Holmium	165-2	6430369	6234478	6201899	6288915	1.97	cps
Indium	115-1	6480778	6495439	6354532	6443583	1.20	cps
Indium	115-2	2705751	2610677	2557421	2624617	2.86	cps
Iron	56-2	78537337	80439722	81420225	80132428	1.83	cps
Iron	57-2	1973353	1979619	1999569	1984181	0.69	cps
Iron	54-2	4410903	4396070	4380188	4395720	0.35	cps
Krypton	83-1	483	490	510	494	2.81	cps

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	PB169097BS	Instrumnet Name :	P7
Client Sample ID :	PB169097BS	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 15:00:22	DataFile Name :	047LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	11438377	11444540	11589635	11490851	0.74	cps
Lead	207-1	9803243	9753039	9731820	9762701	0.38	cps
Lead	208-1	44338755	45073519	44744625	44718966	0.82	cps
Lithium	6-1	525425	527245	521531	524734	0.56	cps
Magnesium	24-2	15607857	15057915	15056080	15240617	2.09	cps
Manganese	55-2	14145096	14058858	14258991	14154315	0.71	cps
Molybdenum	94-1	11876052	12450658	12175859	12167523	2.36	cps
Molybdenum	95-1	16993135	17401181	17363435	17252584	1.31	cps
Molybdenum	96-1	18388021	18963032	18569817	18640290	1.58	cps
Molybdenum	97-1	10665781	10765878	10778368	10736676	0.57	cps
Molybdenum	98-1	26801077	27675742	27724767	27400529	1.90	cps
Neodymium	150-1	80	93	93	89	8.66	cps
Neodymium	150-2	17	43	20	27	54.47	cps
Nickel	60-2	575936	579269	572174	575793	0.62	cps
Phosphorus	31-2	83842	83524	82311	83226	0.97	cps
Potassium	39-2	8700841	8982118	8809910	8830957	1.61	cps
Rhodium	103-1	6452577	6590937	6538635	6527383	1.07	cps
Rhodium	103-2	4254434	4265523	4088371	4202776	2.36	cps
Scandium	45-1	4273009	4234947	4240889	4249615	0.48	cps
Scandium	45-2	351290	345881	345259	347477	0.95	cps
Selenium	82-1	57070	57563	56760	57131	0.71	cps
Selenium	77-2	6545	6592	6525	6554	0.52	cps
Selenium	78-2	22611	22197	22244	22350	1.01	cps
Silicon	28-1	5980615	6165703	6199607	6115308	1.93	cps
Silver	107-1	4353643	4443815	4359981	4385813	1.15	cps
Silver	109-1	4221368	4189656	4152234	4187753	0.83	cps
Sodium	23-2	24645481	23122640	23990806	23919642	3.19	cps
Strontium	86-1	933084	940650	943240	938991	0.56	cps
Strontium	88-1	9560173	9749412	9632708	9647431	0.99	cps
Sulfur	34-1	429164	424776	421302	425080	0.93	cps
Terbium	159-1	7667963	7880481	7847847	7798764	1.47	cps
Terbium	159-2	6362493	6201311	6216727	6260177	1.42	cps
Thallium	203-1	2783161	2820933	2766856	2790317	0.99	cps
Thallium	205-1	6550428	6850441	6752644	6717838	2.28	cps
Tin	118-1	2622172	2672716	2633147	2642678	1.01	cps
Titanium	47-1	4715705	4705363	4690699	4703922	0.27	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	PB169097BS	Instrumnet Name :	P7
Client Sample ID :	PB169097BS	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 15:00:22	DataFile Name :	047LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8025206	7978598	7951851	7985218	0.46	cps
Vanadium	51-2	1447327	1338040	1373306	1386224	4.02	cps
Yttrium	89-1	10301120	10481729	10408599	10397149	0.87	cps
Yttrium	89-2	2966980	3048784	2966247	2994004	1.58	cps
Zinc	66-2	3847933	3742885	3713673	3768163	1.87	cps
Zirconium	90-1	5850246	6120865	5948568	5973226	2.29	cps
Zirconium	91-1	1101226	1122639	1114877	1112914	0.97	cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-01	Instrumnet Name :	P7
Client Sample ID :	PAD-073125	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 15:04:06	DataFile Name :	048SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	10469314	10379884	10415578	10421592	0.43	cps
Antimony	121-1	4004	4351	4211	4188	4.17	cps
Arsenic	75-2	12112	12048	11661	11940	2.04	cps
Barium	135-1	743349	747992	756191	749177	0.87	cps
Barium	137-1	1551727	1565001	1551752	1556160	0.49	cps
Beryllium	9-1	1702	1859	1738	1766	4.64	cps
Bismuth	209-1	4661451	4684698	4577599	4641249	1.21	cps
Bismuth	209-2	4591398	4461968	4529107	4527491	1.43	cps
Bromine	81-1	18518	21316	23542	21125	11.92	cps
Bromine	81-2	3557	3494	3504	3518	0.97	cps
Cadmium	108-1	1297	1183	1123	1201	7.33	cps
Cadmium	106-1	5431	5358	5458	5416	0.96	cps
Cadmium	111-1	6101	6282	6475	6286	2.97	cps
Calcium	43-1	23468297	23200814	22945795	23204969	1.13	cps
Calcium	44-1	372116341	380437568	370933634	374495848	1.38	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3718612	3691262	3803616	3737830	1.57	cps
Cobalt	59-2	124100	121833	125947	123960	1.66	cps
Copper	63-2	1617212	1647056	1670875	1645048	1.63	cps
Dysprosium	156-1	23423	24261	23907	23864	1.76	cps
Dysprosium	156-2	25173	25620	25403	25399	0.88	cps
Erbium	164-1	26512	26589	26458	26520	0.25	cps
Erbium	164-2	21607	21684	21590	21627	0.23	cps
Gadolinium	160-1	24127	23653	24051	23944	1.06	cps
Gadolinium	160-2	20972	20779	20715	20822	0.64	cps
Holmium	165-1	8232604	8023578	8252906	8169696	1.55	cps
Holmium	165-2	6599382	6471774	6624412	6565189	1.25	cps
Indium	115-1	7031775	6920105	6990864	6980914	0.81	cps
Indium	115-2	2771942	2766524	2748495	2762320	0.44	cps
Iron	56-2	251059970	248629030	252914703	250867901	0.86	cps
Iron	57-2	6677267	6472067	6685946	6611760	1.83	cps
Iron	54-2	13792288	13814377	13953881	13853515	0.63	cps
Krypton	83-1	557	597	567	573	3.63	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-01	Instrumnet Name :	P7
Client Sample ID :	PAD-073125	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 15:04:06	DataFile Name :	048SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3104314	3132932	3095060	3110769	0.63	cps
Lead	207-1	2685100	2660475	2603750	2649775	1.57	cps
Lead	208-1	12071217	12225653	11997262	12098044	0.96	cps
Lithium	6-1	549502	548624	538844	545657	1.08	cps
Magnesium	24-2	14291019	13739619	14317046	14115895	2.31	cps
Manganese	55-2	9251469	9168884	9504642	9308332	1.88	cps
Molybdenum	94-1	672582	680862	676158	676534	0.61	cps
Molybdenum	95-1	69795	69913	68402	69370	1.21	cps
Molybdenum	96-1	179027	179770	178521	179106	0.35	cps
Molybdenum	97-1	42940	42646	43254	42946	0.71	cps
Molybdenum	98-1	110250	109346	111727	110441	1.09	cps
Neodymium	150-1	43069	43721	44855	43882	2.06	cps
Neodymium	150-2	30149	30152	30136	30146	0.03	cps
Nickel	60-2	317369	314523	323431	318441	1.43	cps
Phosphorus	31-2	11758	11708	11628	11698	0.56	cps
Potassium	39-2	2613154	2572272	2560921	2582116	1.06	cps
Rhodium	103-1	6737718	6883202	6809934	6810285	1.07	cps
Rhodium	103-2	4300701	4300174	4347791	4316222	0.63	cps
Scandium	45-1	4887775	4885084	4711128	4827996	2.10	cps
Scandium	45-2	398174	388411	399843	395476	1.56	cps
Selenium	82-1	919	864	927	903	3.81	cps
Selenium	77-2	170	160	180	170	5.88	cps
Selenium	78-2	710	737	727	724	1.86	cps
Silicon	28-1	13309375	13049641	12366736	12908584	3.77	cps
Silver	107-1	10717	10864	10917	10833	0.96	cps
Silver	109-1	9657	9550	9563	9590	0.61	cps
Sodium	23-2	2040389	2008777	2016469	2021878	0.82	cps
Strontium	86-1	1928265	1959974	1961540	1949926	0.96	cps
Strontium	88-1	16669250	17266273	17032731	16989418	1.77	cps
Sulfur	34-1	1326761	1323067	1321652	1323827	0.20	cps
Terbium	159-1	8137745	8283642	8339842	8253743	1.26	cps
Terbium	159-2	6607758	6545700	6536536	6563331	0.59	cps
Thallium	203-1	2010	2030	1913	1985	3.14	cps
Thallium	205-1	4708	4801	4674	4728	1.39	cps
Tin	118-1	200384	203760	201429	201858	0.86	cps
Titanium	47-1	2735869	2690716	2778940	2735175	1.61	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-01	Instrumnet Name :	P7
Client Sample ID :	PAD-073125	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 15:04:06	DataFile Name :	048SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	54407	53027	53012	53482	1.50	cps
Vanadium	51-2	877476	860735	878320	872177	1.14	cps
Yttrium	89-1	11760377	11913289	11875322	11849663	0.67	cps
Yttrium	89-2	3449275	3398282	3361440	3402999	1.30	cps
Zinc	66-2	441210	441288	443431	441976	0.29	cps
Zirconium	90-1	2061980	2129577	2105719	2099092	1.63	cps
Zirconium	91-1	387706	393970	391049	390908	0.80	cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-01DUP	Instrumnet Name :	P7
Client Sample ID :	PAD-073125DUP	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 15:07:05	DataFile Name :	049SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	11370676	11265477	11258695	11298283	0.56	cps
Antimony	121-1	3477	3460	3534	3490	1.10	cps
Arsenic	75-2	13186	12896	12919	13000	1.24	cps
Barium	135-1	809031	824521	825804	819785	1.14	cps
Barium	137-1	1693196	1704336	1689519	1695684	0.46	cps
Beryllium	9-1	1777	1989	1858	1875	5.72	cps
Bismuth	209-1	4509128	4546465	4483654	4513082	0.70	cps
Bismuth	209-2	4524341	4323547	4441593	4429827	2.28	cps
Bromine	81-1	21259	24587	25546	23797	9.45	cps
Bromine	81-2	3847	3771	3954	3857	2.39	cps
Cadmium	108-1	1417	1297	1233	1316	7.08	cps
Cadmium	106-1	5828	5618	5775	5740	1.90	cps
Cadmium	111-1	6702	6752	6656	6703	0.72	cps
Calcium	43-1	25134580	25066985	25119586	25107050	0.14	cps
Calcium	44-1	408792327	406456194	410850621	408699714	0.54	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4023830	3974426	4041312	4013189	0.86	cps
Cobalt	59-2	133472	132652	131033	132386	0.94	cps
Copper	63-2	1779140	1802712	1781922	1787925	0.72	cps
Dysprosium	156-1	25947	26104	26352	26134	0.78	cps
Dysprosium	156-2	27236	27056	26792	27028	0.83	cps
Erbium	164-1	28239	27885	28426	28183	0.97	cps
Erbium	164-2	23623	23750	23326	23567	0.92	cps
Gadolinium	160-1	25540	26084	26482	26035	1.82	cps
Gadolinium	160-2	22688	22231	22849	22589	1.42	cps
Holmium	165-1	7932191	7843757	7935603	7903850	0.66	cps
Holmium	165-2	6535273	6655160	6578946	6589793	0.92	cps
Indium	115-1	6809853	6725153	6731373	6755460	0.70	cps
Indium	115-2	2790841	2747380	2656442	2731555	2.51	cps
Iron	56-2	270864916	271532509	272136096	271511174	0.23	cps
Iron	57-2	7403562	7295748	7309871	7336394	0.80	cps
Iron	54-2	14903278	15250059	14783430	14978922	1.62	cps
Krypton	83-1	650	640	560	617	8.00	cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-01DUP	Instrumnet Name :	P7
Client Sample ID :	PAD-073125DUP	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 15:07:05	DataFile Name :	049SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3368852	3373218	3360225	3367432	0.20	cps
Lead	207-1	2853319	2871389	2839335	2854681	0.56	cps
Lead	208-1	12998270	13255206	13027611	13093696	1.07	cps
Lithium	6-1	535692	539889	523677	533086	1.58	cps
Magnesium	24-2	15072229	15167849	15649486	15296521	2.02	cps
Manganese	55-2	10157122	10106930	10080201	10114751	0.39	cps
Molybdenum	94-1	724950	747920	747699	740190	1.78	cps
Molybdenum	95-1	75862	76134	75745	75914	0.26	cps
Molybdenum	96-1	191790	195994	197557	195114	1.53	cps
Molybdenum	97-1	47831	47748	46471	47350	1.61	cps
Molybdenum	98-1	121496	123148	121192	121946	0.86	cps
Neodymium	150-1	48005	47510	48025	47847	0.61	cps
Neodymium	150-2	32812	33724	33386	33307	1.38	cps
Nickel	60-2	346202	344509	340792	343834	0.80	cps
Phosphorus	31-2	12839	12632	12832	12768	0.92	cps
Potassium	39-2	2754022	2708483	2764307	2742271	1.08	cps
Rhodium	103-1	6690347	6737683	6717191	6715074	0.35	cps
Rhodium	103-2	4413480	4332282	4264207	4336656	1.72	cps
Scandium	45-1	4903849	4801322	4784057	4829743	1.34	cps
Scandium	45-2	389801	393321	390738	391287	0.47	cps
Selenium	82-1	845	830	892	856	3.75	cps
Selenium	77-2	170	157	203	177	13.61	cps
Selenium	78-2	683	743	720	716	4.23	cps
Silicon	28-1	8667387	8227990	8379455	8424944	2.65	cps
Silver	107-1	11745	11625	11618	11663	0.61	cps
Silver	109-1	10531	10561	10397	10496	0.83	cps
Sodium	23-2	2127019	2097800	2075932	2100250	1.22	cps
Strontium	86-1	2129385	2155638	2141517	2142180	0.61	cps
Strontium	88-1	18252793	18704561	18503345	18486900	1.22	cps
Sulfur	34-1	1384220	1411107	1421634	1405654	1.37	cps
Terbium	159-1	8045531	8032688	8033664	8037294	0.09	cps
Terbium	159-2	6506549	6385138	6425489	6439059	0.96	cps
Thallium	203-1	2134	1980	2074	2062	3.75	cps
Thallium	205-1	5218	4851	4868	4979	4.16	cps
Tin	118-1	214254	219961	219413	217876	1.45	cps
Titanium	47-1	3037988	3125333	3085819	3083046	1.42	cps

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LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-01DUP	Instrumnet Name :	P7
Client Sample ID :	PAD-073125DUP	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 15:07:05	DataFile Name :	049SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	55976	57151	57590	56906	1.47	cps
Vanadium	51-2	942243	952990	954382	949871	0.70	cps
Yttrium	89-1	11675036	11699603	11767582	11714073	0.41	cps
Yttrium	89-2	3394826	3390229	3408487	3397848	0.28	cps
Zinc	66-2	479970	483108	477820	480300	0.55	cps
Zirconium	90-1	2267586	2290182	2341979	2299915	1.66	cps
Zirconium	91-1	421215	429145	429682	426681	1.11	cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-01LX5	Instrumnet Name :	P7
Client Sample ID :	PAD-073125L	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 15:10:03	DataFile Name :	050SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1904777	1834835	1835843	1858485	2.16	cps
Antimony	121-1	933	967	937	946	1.94	cps
Arsenic	75-2	2170	2204	2260	2211	2.06	cps
Barium	135-1	131855	133574	133467	132965	0.72	cps
Barium	137-1	229948	231635	232971	231518	0.65	cps
Beryllium	9-1	300	329	268	299	10.25	cps
Bismuth	209-1	4525111	4497931	4402113	4475052	1.44	cps
Bismuth	209-2	4572334	4537578	4429418	4513110	1.65	cps
Bromine	81-1	15044	15065	15258	15122	0.78	cps
Bromine	81-2	1123	1040	1010	1058	5.55	cps
Cadmium	108-1	220	217	250	229	8.02	cps
Cadmium	106-1	3054	2994	2817	2955	4.16	cps
Cadmium	111-1	2624	2584	2460	2556	3.33	cps
Calcium	43-1	4064625	4175917	4087710	4109417	1.43	cps
Calcium	44-1	65566334	67006254	67022756	66531781	1.26	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	569681	567589	569298	568856	0.20	cps
Cobalt	59-2	22861	22310	22681	22617	1.24	cps
Copper	63-2	258208	261230	257885	259108	0.71	cps
Dysprosium	156-1	4064	4131	4151	4115	1.10	cps
Dysprosium	156-2	4694	4424	4554	4557	2.96	cps
Erbium	164-1	4668	4668	4681	4672	0.16	cps
Erbium	164-2	3601	3861	3751	3737	3.49	cps
Gadolinium	160-1	4384	4287	4207	4293	2.06	cps
Gadolinium	160-2	4144	4081	3711	3978	5.88	cps
Holmium	165-1	7679968	7821301	7813790	7771686	1.02	cps
Holmium	165-2	6427147	6527705	6217493	6390782	2.48	cps
Indium	115-1	6715224	6608737	6756951	6693637	1.14	cps
Indium	115-2	2684474	2771218	2682114	2712602	1.87	cps
Iron	56-2	45117536	45554873	44075343	44915917	1.69	cps
Iron	57-2	1071331	1050522	1061218	1061024	0.98	cps
Iron	54-2	2547888	2481119	2502478	2510495	1.36	cps
Krypton	83-1	493	497	437	476	7.09	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-01LX5	Instrumnet Name :	P7
Client Sample ID :	PAD-073125L	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 15:10:03	DataFile Name :	050SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	443888	446116	440594	443533	0.63	cps
Lead	207-1	372801	368444	370803	370683	0.59	cps
Lead	208-1	1703021	1721413	1699219	1707884	0.69	cps
Lithium	6-1	520571	527564	532445	526860	1.13	cps
Magnesium	24-2	2638529	2587674	2577303	2601169	1.26	cps
Manganese	55-2	1715230	1669163	1703498	1695963	1.41	cps
Molybdenum	94-1	118780	122205	120663	120550	1.42	cps
Molybdenum	95-1	12522	12872	12906	12767	1.66	cps
Molybdenum	96-1	31217	32122	31467	31602	1.48	cps
Molybdenum	97-1	8049	7759	8192	8000	2.76	cps
Molybdenum	98-1	19643	20301	19370	19771	2.42	cps
Neodymium	150-1	7545	7972	7699	7739	2.79	cps
Neodymium	150-2	5304	5528	5288	5373	2.49	cps
Nickel	60-2	59575	59059	57864	58833	1.49	cps
Phosphorus	31-2	2810	2780	2444	2678	7.60	cps
Potassium	39-2	486940	486284	481346	484857	0.63	cps
Rhodium	103-1	6641695	6770808	6792143	6734882	1.21	cps
Rhodium	103-2	4342563	4456693	4360459	4386572	1.40	cps
Scandium	45-1	4438388	4621817	4503693	4521299	2.06	cps
Scandium	45-2	375344	367979	365674	369666	1.37	cps
Selenium	82-1	575	570	640	595	6.57	cps
Selenium	77-2	50	57	43	50	13.34	cps
Selenium	78-2	640	587	600	609	4.56	cps
Silicon	28-1	3891251	3742026	4061354	3898210	4.10	cps
Silver	107-1	2144	2137	2070	2117	1.92	cps
Silver	109-1	1803	1890	1720	1805	4.71	cps
Sodium	23-2	338325	336741	339985	338350	0.48	cps
Strontium	86-1	289183	290252	290857	290097	0.29	cps
Strontium	88-1	3037416	3026646	2998280	3020780	0.67	cps
Sulfur	34-1	358915	358455	354672	357347	0.65	cps
Terbium	159-1	7892743	7791084	8005123	7896317	1.36	cps
Terbium	159-2	6291759	6445393	6365084	6367412	1.21	cps
Thallium	203-1	433	497	487	472	7.21	cps
Thallium	205-1	897	903	1010	937	6.79	cps
Tin	118-1	38291	38382	37379	38017	1.46	cps
Titanium	47-1	415922	425944	417256	419707	1.30	cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-01LX5	Instrumnet Name :	P7
Client Sample ID :	PAD-073125L	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 15:10:03	DataFile Name :	050SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	9380	9167	8913	9153	2.55	cps
Vanadium	51-2	157534	155719	154012	155755	1.13	cps
Yttrium	89-1	11200990	11041459	10865315	11035921	1.52	cps
Yttrium	89-2	3205413	3184041	3151046	3180167	0.86	cps
Zinc	66-2	87119	86982	86298	86800	0.51	cps
Zirconium	90-1	310218	311541	311730	311163	0.26	cps
Zirconium	91-1	68603	70375	69534	69504	1.28	cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-01MS	Instrumnet Name :	P7
Client Sample ID :	PAD-073125MS	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 15:13:13	DataFile Name :	051SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	14276144	14504354	14110181	14296893	1.38	cps
Antimony	121-1	3017608	3013327	3055789	3028908	0.77	cps
Arsenic	75-2	225351	225275	221202	223943	1.06	cps
Barium	135-1	4349000	4436998	4501762	4429253	1.73	cps
Barium	137-1	7462770	7841662	7759375	7687936	2.59	cps
Beryllium	9-1	387005	396196	396542	393248	1.38	cps
Bismuth	209-1	4334203	4308687	4554498	4399129	3.07	cps
Bismuth	209-2	4405796	4327169	4347939	4360301	0.93	cps
Bromine	81-1	22147	25752	28511	25470	12.53	cps
Bromine	81-2	4444	4787	4477	4570	4.14	cps
Cadmium	108-1	50762	52157	52722	51880	1.94	cps
Cadmium	106-1	76544	77794	78401	77580	1.22	cps
Cadmium	111-1	705914	719404	712866	712728	0.95	cps
Calcium	43-1	28912993	29560231	29435324	29302849	1.17	cps
Calcium	44-1	467549686	482161513	483265166	477658788	1.84	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	6178000	6192107	6155312	6175140	0.30	cps
Cobalt	59-2	2757285	2713134	2771026	2747148	1.10	cps
Copper	63-2	19641883	19850884	19296052	19596273	1.43	cps
Dysprosium	156-1	28867	29889	29591	29449	1.79	cps
Dysprosium	156-2	30907	31061	30757	30908	0.49	cps
Erbium	164-1	31245	32872	31933	32017	2.55	cps
Erbium	164-2	26455	26008	26165	26209	0.87	cps
Gadolinium	160-1	28539	29314	29535	29129	1.79	cps
Gadolinium	160-2	25330	24932	25189	25150	0.80	cps
Holmium	165-1	7992773	7896962	7859484	7916406	0.87	cps
Holmium	165-2	6495298	6521738	6466894	6494643	0.42	cps
Indium	115-1	6642825	6840693	6819883	6767800	1.61	cps
Indium	115-2	2669090	2645799	2737572	2684154	1.78	cps
Iron	56-2	376164221	379755834	374814781	376911612	0.68	cps
Iron	57-2	9877718	9973494	9836424	9895879	0.71	cps
Iron	54-2	21050776	20542357	20376489	20656541	1.70	cps
Krypton	83-1	613	643	717	658	8.08	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-01MS	Instrumnet Name :	P7
Client Sample ID :	PAD-073125MS	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 15:13:13	DataFile Name :	051SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	14386526	14768126	15013300	14722650	2.15	cps
Lead	207-1	12094733	12408316	12672449	12391833	2.33	cps
Lead	208-1	55709815	56789982	58155259	56885019	2.15	cps
Lithium	6-1	534993	543034	547421	541816	1.16	cps
Magnesium	24-2	32454212	31756210	32061790	32090737	1.09	cps
Manganese	55-2	24420308	24481795	24207064	24369722	0.59	cps
Molybdenum	94-1	6771260	7010048	6905329	6895546	1.74	cps
Molybdenum	95-1	6483376	6656946	6785165	6641829	2.28	cps
Molybdenum	96-1	7394903	7403962	7645596	7481487	1.90	cps
Molybdenum	97-1	4012127	4088820	4059869	4053605	0.96	cps
Molybdenum	98-1	10356197	10427340	10498910	10427482	0.68	cps
Neodymium	150-1	52819	53287	53106	53071	0.45	cps
Neodymium	150-2	37229	37153	36557	36980	0.99	cps
Nickel	60-2	933095	933403	927243	931247	0.37	cps
Phosphorus	31-2	14370	13913	14060	14114	1.65	cps
Potassium	39-2	11440165	11280860	11017668	11246231	1.90	cps
Rhodium	103-1	6690733	6519494	6801968	6670732	2.13	cps
Rhodium	103-2	4268628	4270049	4229520	4256066	0.54	cps
Scandium	45-1	4908011	4915803	4896646	4906820	0.20	cps
Scandium	45-2	393723	391050	390070	391614	0.48	cps
Selenium	82-1	56307	57139	57066	56837	0.81	cps
Selenium	77-2	6658	6438	6495	6530	1.75	cps
Selenium	78-2	22023	22461	21916	22133	1.30	cps
Silicon	28-1	7281432	6438289	6943932	6887884	6.16	cps
Silver	107-1	602653	617245	614934	611611	1.28	cps
Silver	109-1	557367	561831	564874	561357	0.67	cps
Sodium	23-2	25778169	25505213	24930353	25404578	1.70	cps
Strontium	86-1	3688520	3751561	3716182	3718755	0.85	cps
Strontium	88-1	32837397	33309914	33660716	33269342	1.24	cps
Sulfur	34-1	1566398	1567726	1597935	1577353	1.13	cps
Terbium	159-1	7980263	7986102	8072063	8012809	0.64	cps
Terbium	159-2	6337068	6488073	6370585	6398576	1.24	cps
Thallium	203-1	2639024	2679150	2682669	2666947	0.91	cps
Thallium	205-1	6312777	6439953	6578193	6443641	2.06	cps
Tin	118-1	2609190	2657962	2724976	2664043	2.18	cps
Titanium	47-1	3292912	3417591	3323855	3344786	1.94	cps

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LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-01MS	Instrumnet Name :	P7
Client Sample ID :	PAD-073125MS	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 15:13:13	DataFile Name :	051SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	7718034	7873562	7655698	7749098	1.45	cps
Vanadium	51-2	2729023	2727353	2698810	2718395	0.62	cps
Yttrium	89-1	11707639	11771136	11771266	11750014	0.31	cps
Yttrium	89-2	3406482	3348480	3346263	3367075	1.01	cps
Zinc	66-2	3756046	3740941	3774024	3757004	0.44	cps
Zirconium	90-1	8535871	8728915	8653317	8639368	1.13	cps
Zirconium	91-1	1879327	1939845	1963764	1927645	2.26	cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-01MSD	Instrumnet Name :	P7
Client Sample ID :	PAD-073125MSD	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 15:15:57	DataFile Name :	052SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	15360736	15470688	15155309	15328911	1.04	cps
Antimony	121-1	3114280	3102258	3155521	3124020	0.89	cps
Arsenic	75-2	227898	226868	223308	226025	1.07	cps
Barium	135-1	4807175	4690600	4644906	4714227	1.77	cps
Barium	137-1	7946316	8023516	8104899	8024910	0.99	cps
Beryllium	9-1	395256	390736	393774	393255	0.59	cps
Bismuth	209-1	4522427	4409313	4494851	4475530	1.32	cps
Bismuth	209-2	4496120	4424069	4392435	4437542	1.20	cps
Bromine	81-1	24460	28451	30588	27833	11.17	cps
Bromine	81-2	5024	4931	5201	5052	2.72	cps
Cadmium	108-1	51334	54262	51722	52439	3.03	cps
Cadmium	106-1	79044	79493	79212	79250	0.29	cps
Cadmium	111-1	720203	723747	731006	724985	0.76	cps
Calcium	43-1	32852025	32396195	33467122	32905114	1.63	cps
Calcium	44-1	530636739	540101792	538138619	536292383	0.93	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	6687024	6705081	6678079	6690062	0.21	cps
Cobalt	59-2	2830531	2773971	2761020	2788507	1.33	cps
Copper	63-2	20061610	19952431	19808701	19940914	0.64	cps
Dysprosium	156-1	31786	32611	32688	32362	1.55	cps
Dysprosium	156-2	34910	34342	33530	34261	2.02	cps
Erbium	164-1	35532	35181	35726	35480	0.78	cps
Erbium	164-2	30036	29972	29518	29842	0.95	cps
Gadolinium	160-1	31636	32408	33186	32410	2.39	cps
Gadolinium	160-2	28102	28245	27667	28005	1.07	cps
Holmium	165-1	8012522	8252963	7976379	8080621	1.86	cps
Holmium	165-2	6739209	6640424	6748721	6709452	0.89	cps
Indium	115-1	6830347	6862092	6822248	6838229	0.31	cps
Indium	115-2	2726726	2723737	2730889	2727117	0.13	cps
Iron	56-2	402258994	407278354	400835541	403457630	0.84	cps
Iron	57-2	10832765	10950239	10811512	10864839	0.69	cps
Iron	54-2	22336912	22114864	22295853	22249210	0.53	cps
Krypton	83-1	587	697	660	648	8.65	cps

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LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-01MSD	Instrumnet Name :	P7
Client Sample ID :	PAD-073125MSD	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 15:15:57	DataFile Name :	052SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	14919216	15312222	14697166	14976201	2.08	cps
Lead	207-1	12704708	13052164	12658408	12805093	1.68	cps
Lead	208-1	58077327	59444856	58730725	58750969	1.16	cps
Lithium	6-1	550057	550296	546338	548897	0.40	cps
Magnesium	24-2	33864380	33043598	33992700	33633560	1.53	cps
Manganese	55-2	26272438	25620658	25931234	25941443	1.26	cps
Molybdenum	94-1	7021409	7087881	7091929	7067073	0.56	cps
Molybdenum	95-1	6555393	6705608	6647554	6636185	1.14	cps
Molybdenum	96-1	7457383	7677944	7536850	7557392	1.48	cps
Molybdenum	97-1	4040979	4208431	4001639	4083683	2.69	cps
Molybdenum	98-1	10637564	10718369	10478565	10611499	1.15	cps
Neodymium	150-1	58970	58789	60165	59308	1.26	cps
Neodymium	150-2	40582	40448	40969	40666	0.67	cps
Nickel	60-2	980054	974667	972310	975677	0.41	cps
Phosphorus	31-2	14811	14283	14974	14689	2.46	cps
Potassium	39-2	11559951	11444983	11481372	11495435	0.51	cps
Rhodium	103-1	6750877	6777458	6716963	6748433	0.45	cps
Rhodium	103-2	4330878	4319561	4277436	4309292	0.65	cps
Scandium	45-1	4892918	4953669	5018806	4955131	1.27	cps
Scandium	45-2	402573	394296	395678	397516	1.12	cps
Selenium	82-1	56197	57154	57517	56956	1.20	cps
Selenium	77-2	6625	6501	6732	6619	1.74	cps
Selenium	78-2	22290	21983	21302	21858	2.31	cps
Silicon	28-1	9856334	10171689	9804593	9944205	2.00	cps
Silver	107-1	610622	624578	629320	621507	1.56	cps
Silver	109-1	569518	565634	575895	570349	0.91	cps
Sodium	23-2	25537006	25238446	25528469	25434640	0.67	cps
Strontium	86-1	4054467	4007967	3996744	4019726	0.76	cps
Strontium	88-1	35604111	34884683	34923484	35137426	1.15	cps
Sulfur	34-1	1680997	1760836	1762799	1734877	2.69	cps
Terbium	159-1	8229152	8230428	8026228	8161936	1.44	cps
Terbium	159-2	6512089	6477070	6471493	6486884	0.34	cps
Thallium	203-1	2665489	2702367	2638087	2668647	1.21	cps
Thallium	205-1	6354394	6627689	6267871	6416651	2.93	cps
Tin	118-1	2692400	2778569	2750376	2740449	1.60	cps
Titanium	47-1	3687803	3745098	3719553	3717485	0.77	cps

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LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-01MSD	Instrumnet Name :	P7
Client Sample ID :	PAD-073125MSD	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 15:15:57	DataFile Name :	052SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8035979	7806314	8001439	7947911	1.56	cps
Vanadium	51-2	2854503	2829330	2850429	2844754	0.47	cps
Yttrium	89-1	12353590	11999559	11987774	12113641	1.72	cps
Yttrium	89-2	3396440	3494725	3434848	3442004	1.44	cps
Zinc	66-2	3800054	3779942	3809224	3796407	0.39	cps
Zirconium	90-1	9028093	9169132	9128376	9108534	0.80	cps
Zirconium	91-1	1935944	2049856	2013391	1999730	2.91	cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-01A	Instrumnet Name :	P7
Client Sample ID :	PAD-073125A	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 15:18:39	DataFile Name :	053SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	14823683	15239618	14974053	15012451	1.40	cps
Antimony	121-1	3001141	3150421	3149473	3100345	2.77	cps
Arsenic	75-2	223504	227463	223179	224715	1.06	cps
Barium	135-1	4543660	4556318	4565217	4555065	0.24	cps
Barium	137-1	7982355	7911382	7974045	7955927	0.49	cps
Beryllium	9-1	392051	393141	399065	394752	0.96	cps
Bismuth	209-1	4437888	4478389	4545070	4487116	1.21	cps
Bismuth	209-2	4494330	4461448	4493956	4483245	0.42	cps
Bromine	81-1	26127	28765	30552	28481	7.82	cps
Bromine	81-2	4991	4878	4941	4936	1.15	cps
Cadmium	108-1	50257	52451	52592	51767	2.53	cps
Cadmium	106-1	78099	79315	78994	78803	0.80	cps
Cadmium	111-1	717355	730934	737871	728720	1.43	cps
Calcium	43-1	31212056	31511330	32224913	31649433	1.64	cps
Calcium	44-1	512962086	509338312	514850579	512383659	0.55	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	6447860	6511719	6438627	6466069	0.62	cps
Cobalt	59-2	2813071	2781607	2807607	2800762	0.60	cps
Copper	63-2	19851825	20010418	20303856	20055366	1.14	cps
Dysprosium	156-1	30901	31866	31382	31383	1.54	cps
Dysprosium	156-2	32879	33543	33243	33222	1.00	cps
Erbium	164-1	33757	34386	35478	34541	2.52	cps
Erbium	164-2	27834	28980	28436	28417	2.02	cps
Gadolinium	160-1	30894	31275	31903	31357	1.62	cps
Gadolinium	160-2	27230	27564	26983	27259	1.07	cps
Holmium	165-1	8102671	8229954	7949614	8094080	1.73	cps
Holmium	165-2	6678760	6629940	6657962	6655554	0.37	cps
Indium	115-1	6744593	6855917	6788404	6796305	0.83	cps
Indium	115-2	2788002	2691914	2757455	2745790	1.79	cps
Iron	56-2	391413661	398638047	393202781	394418163	0.95	cps
Iron	57-2	10513450	10550605	10409685	10491247	0.70	cps
Iron	54-2	21838915	21594397	21706775	21713362	0.56	cps
Krypton	83-1	647	647	613	636	3.03	cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-01A	Instrumnet Name :	P7
Client Sample ID :	PAD-073125A	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 15:18:39	DataFile Name :	053SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	14724593	15241261	15320807	15095554	2.14	cps
Lead	207-1	12489707	13017219	12770757	12759228	2.07	cps
Lead	208-1	56856438	58792035	59197206	58281893	2.15	cps
Lithium	6-1	545315	551638	558665	551873	1.21	cps
Magnesium	24-2	33749190	32852865	34080552	33560869	1.89	cps
Manganese	55-2	25469693	25401965	25553549	25475069	0.30	cps
Molybdenum	94-1	6899143	7136999	7047005	7027716	1.71	cps
Molybdenum	95-1	6620200	6699773	6710246	6676740	0.74	cps
Molybdenum	96-1	7428465	7727377	7563585	7573142	1.98	cps
Molybdenum	97-1	3989478	4159113	4168024	4105538	2.45	cps
Molybdenum	98-1	10420914	10632683	10737022	10596873	1.52	cps
Neodymium	150-1	56941	58136	56693	57257	1.35	cps
Neodymium	150-2	40622	39970	39342	39978	1.60	cps
Nickel	60-2	961150	965311	960550	962337	0.27	cps
Phosphorus	31-2	14517	13913	14824	14418	3.21	cps
Potassium	39-2	11563339	11549761	11595002	11569367	0.20	cps
Rhodium	103-1	6657029	6730385	6807706	6731706	1.12	cps
Rhodium	103-2	4357283	4325018	4300525	4327609	0.66	cps
Scandium	45-1	4940271	4938730	5084055	4987685	1.67	cps
Scandium	45-2	393355	402905	400699	398986	1.25	cps
Selenium	82-1	57023	57918	57685	57542	0.81	cps
Selenium	77-2	6852	6532	6908	6764	3.00	cps
Selenium	78-2	22484	22437	22056	22326	1.05	cps
Silicon	28-1	7860401	7813245	8508669	8060772	4.82	cps
Silver	107-1	611871	628598	629521	623330	1.59	cps
Silver	109-1	573794	578447	582482	578241	0.75	cps
Sodium	23-2	25377960	25949815	26088985	25805587	1.46	cps
Strontium	86-1	3874153	3979583	3981898	3945212	1.56	cps
Strontium	88-1	34389002	34889817	34061856	34446892	1.21	cps
Sulfur	34-1	1680436	1691644	1678912	1683664	0.41	cps
Terbium	159-1	8081977	8344405	8181908	8202763	1.61	cps
Terbium	159-2	6521703	6621014	6495452	6546057	1.01	cps
Thallium	203-1	2653891	2767189	2718813	2713298	2.10	cps
Thallium	205-1	6235684	6383626	6585486	6401599	2.74	cps
Tin	118-1	2736097	2773493	2725962	2745184	0.91	cps
Titanium	47-1	3535667	3594082	3669767	3599838	1.87	cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-01A	Instrumnet Name :	P7
Client Sample ID :	PAD-073125A	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 15:18:39	DataFile Name :	053SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	7721796	8106846	8129234	7985958	2.87	cps
Vanadium	51-2	2803734	2817052	2817301	2812696	0.28	cps
Yttrium	89-1	11859444	12163069	12063399	12028637	1.29	cps
Yttrium	89-2	3419882	3474201	3394794	3429626	1.18	cps
Zinc	66-2	3820234	3780734	3812940	3804636	0.55	cps
Zirconium	90-1	8588873	8897886	9044518	8843759	2.63	cps
Zirconium	91-1	1957039	1997256	2008625	1987640	1.36	cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02DUPDL2X25	Instrumnet Name :	P7
Client Sample ID :	50765DUPDL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-05 15:24:44	DataFile Name :	055LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2800	3077	2980	2953	4.76	cps
Antimony	121-1	1230	1327	1430	1329	7.53	cps
Arsenic	75-2	1127	1070	1273	1157	9.07	cps
Barium	135-1	317	310	420	349	17.68	cps
Barium	137-1	660	687	653	667	2.65	cps
Beryllium	9-1	10	0	14	8	86.31	cps
Bismuth	209-1	4505194	4589941	4794981	4630039	3.22	cps
Bismuth	209-2	4744969	4606757	4758019	4703248	1.78	cps
Bromine	81-1	13039	13606	13670	13438	2.58	cps
Bromine	81-2	830	790	847	822	3.54	cps
Cadmium	108-1	17	3	10	10	66.70	cps
Cadmium	106-1	2230	2170	2267	2222	2.20	cps
Cadmium	111-1	1593	1577	1646	1605	2.27	cps
Calcium	43-1	1953	1850	2000	1935	3.97	cps
Calcium	44-1	108344	113423	113127	111632	2.55	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4811	4934	5121	4955	3.15	cps
Cobalt	59-2	387	330	397	371	9.69	cps
Copper	63-2	7459	7385	7442	7429	0.52	cps
Dysprosium	156-1	0	13	10	8	89.21	cps
Dysprosium	156-2	7	0	7	4	86.60	cps
Erbium	164-1	60	63	97	73	27.65	cps
Erbium	164-2	57	23	23	34	55.89	cps
Gadolinium	160-1	43	53	60	52	16.07	cps
Gadolinium	160-2	363	380	330	358	7.12	cps
Holmium	165-1	7513510	7691653	7797205	7667456	1.87	cps
Holmium	165-2	6434048	6487615	6646124	6522596	1.69	cps
Indium	115-1	6680757	6854138	6807187	6780694	1.32	cps
Indium	115-2	2740420	2669305	2750068	2719931	1.62	cps
Iron	56-2	12944916	12945116	13236094	13042042	1.29	cps
Iron	57-2	289064	285271	288505	287613	0.71	cps
Iron	54-2	638352	637857	643561	639923	0.49	cps
Krypton	83-1	567	550	467	528	10.15	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02DUPDL2X25	Instrumnet Name :	P7
Client Sample ID :	50765DUPDL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-05 15:24:44	DataFile Name :	055LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4858	5051	4848	4919	2.33	cps
Lead	207-1	3934	4067	3771	3924	3.79	cps
Lead	208-1	18482	18285	17885	18217	1.67	cps
Lithium	6-1	536915	527918	550506	538446	2.11	cps
Magnesium	24-2	6165	6018	6255	6146	1.94	cps
Manganese	55-2	80605	80316	81831	80918	0.99	cps
Molybdenum	94-1	4407	3747	3684	3946	10.15	cps
Molybdenum	95-1	3744	4004	3847	3865	3.39	cps
Molybdenum	96-1	4317	4394	4417	4376	1.20	cps
Molybdenum	97-1	2340	2457	2130	2309	7.17	cps
Molybdenum	98-1	6048	6091	6141	6094	0.77	cps
Neodymium	150-1	20	10	10	13	43.30	cps
Neodymium	150-2	10	7	7	8	24.71	cps
Nickel	60-2	4224	4181	3884	4096	4.52	cps
Phosphorus	31-2	10827	10460	10997	10762	2.55	cps
Potassium	39-2	2133012	2107422	2114494	2118309	0.62	cps
Rhodium	103-1	6761878	6904256	7034176	6900103	1.97	cps
Rhodium	103-2	4517785	4448184	4616282	4527417	1.87	cps
Scandium	45-1	4423477	4396906	4483639	4434674	1.00	cps
Scandium	45-2	364248	367210	365154	365537	0.42	cps
Selenium	82-1	1556	1902	1974	1811	12.36	cps
Selenium	77-2	217	233	167	206	16.88	cps
Selenium	78-2	1123	1173	1193	1163	3.10	cps
Silicon	28-1	2795520	3075172	3145232	3005308	6.16	cps
Silver	107-1	210	200	223	211	5.55	cps
Silver	109-1	153	167	177	166	7.07	cps
Sodium	23-2	614904	610433	622757	616031	1.01	cps
Strontium	86-1	1360	1290	1217	1289	5.56	cps
Strontium	88-1	4214	4221	4274	4236	0.78	cps
Sulfur	34-1	231795	229805	228698	230099	0.68	cps
Terbium	159-1	7783686	7706738	7917247	7802557	1.37	cps
Terbium	159-2	6616639	6437507	6476844	6510330	1.45	cps
Thallium	203-1	1073	1083	1053	1070	1.43	cps
Thallium	205-1	2784	2564	2617	2655	4.32	cps
Tin	118-1	3257	3464	3511	3411	3.96	cps
Titanium	47-1	660	587	653	633	6.40	cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02DUPDL2X25	Instrumnet Name :	P7
Client Sample ID :	50765DUPDL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-05 15:24:44	DataFile Name :	055LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	27	57	50	44	35.44	cps
Vanadium	51-2	103	153	140	132	19.59	cps
Yttrium	89-1	10677142	10897430	10766248	10780274	1.03	cps
Yttrium	89-2	3151633	3233241	3212048	3198974	1.32	cps
Zinc	66-2	18605	19446	19283	19111	2.33	cps
Zirconium	90-1	5961	4321	4527	4936	18.10	cps
Zirconium	91-1	1297	943	943	1061	19.23	cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCV03	Instrumnet Name :	P7
Client Sample ID :	CCV03	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 15:28:00	DataFile Name :	056CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	9352407	9402712	9577199	9444106	1.25	cps
Antimony	121-1	3271648	3363475	3407667	3347597	2.07	cps
Arsenic	75-2	196280	196985	196918	196728	0.20	cps
Barium	135-1	3958593	4037028	3940905	3978842	1.29	cps
Barium	137-1	6902447	7095541	6919803	6972597	1.53	cps
Beryllium	9-1	439019	444960	437978	440652	0.85	cps
Bismuth	209-1	4501032	4644947	4512458	4552812	1.76	cps
Bismuth	209-2	4472187	4410000	4373163	4418450	1.13	cps
Bromine	81-1	10474	10968	10721	10721	2.30	cps
Bromine	81-2	227	300	200	242	21.38	cps
Cadmium	108-1	56768	56821	56179	56589	0.63	cps
Cadmium	106-1	81004	82359	81293	81552	0.88	cps
Cadmium	111-1	779706	783403	785354	782821	0.37	cps
Calcium	43-1	5078090	5316519	5266539	5220383	2.41	cps
Calcium	44-1	83398160	84707212	84606759	84237377	0.86	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1780545	1807904	1784661	1791037	0.82	cps
Cobalt	59-2	2772260	2806028	2805764	2794684	0.69	cps
Copper	63-2	21206767	21209834	20840585	21085729	1.01	cps
Dysprosium	156-1	177	223	177	192	14.02	cps
Dysprosium	156-2	233	263	297	264	11.98	cps
Erbium	164-1	293	317	387	332	14.62	cps
Erbium	164-2	257	297	303	286	8.84	cps
Gadolinium	160-1	220	227	247	231	6.01	cps
Gadolinium	160-2	477	413	457	449	7.21	cps
Holmium	165-1	8249094	7936670	7847856	8011207	2.63	cps
Holmium	165-2	6676244	6717706	6586934	6660294	1.00	cps
Indium	115-1	6888479	6785605	6737364	6803816	1.13	cps
Indium	115-2	2736053	2670168	2696917	2701046	1.23	cps
Iron	56-2	419691167	422886554	420359820	420979180	0.40	cps
Iron	57-2	10461315	10118324	10518296	10365978	2.09	cps
Iron	54-2	23060185	22743952	23101046	22968394	0.85	cps
Krypton	83-1	487	520	507	504	3.33	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCV03	Instrumnet Name :	P7
Client Sample ID :	CCV03	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 15:28:00	DataFile Name :	056CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	11967371	11899439	12164625	12010478	1.15	cps
Lead	207-1	10384128	10329874	10148055	10287352	1.20	cps
Lead	208-1	46749035	47182184	46934418	46955212	0.46	cps
Lithium	6-1	558027	561049	549825	556300	1.04	cps
Magnesium	24-2	82949845	82982287	84420479	83450870	1.01	cps
Manganese	55-2	15078080	15014269	14833389	14975246	0.85	cps
Molybdenum	94-1	13146272	13424841	13444985	13338699	1.25	cps
Molybdenum	95-1	19034510	19476647	19219717	19243625	1.15	cps
Molybdenum	96-1	20597913	20789228	20634216	20673786	0.49	cps
Molybdenum	97-1	11847232	11701789	11559415	11702812	1.23	cps
Molybdenum	98-1	30057027	30141285	29826263	30008192	0.54	cps
Neodymium	150-1	170	157	150	159	6.41	cps
Neodymium	150-2	100	80	63	81	22.64	cps
Nickel	60-2	600109	597833	600041	599328	0.22	cps
Phosphorus	31-2	91161	91590	89353	90701	1.31	cps
Potassium	39-2	48363933	49054148	48356448	48591509	0.82	cps
Rhodium	103-1	6854059	6685943	6689733	6743245	1.42	cps
Rhodium	103-2	4273313	4367003	4246013	4295443	1.48	cps
Scandium	45-1	4712838	4581373	4563337	4619183	1.77	cps
Scandium	45-2	375673	368599	370738	371670	0.98	cps
Selenium	82-1	61508	62075	60727	61437	1.10	cps
Selenium	77-2	7062	7072	6895	7009	1.42	cps
Selenium	78-2	24607	23889	23839	24112	1.78	cps
Silicon	28-1	6783815	6844862	6936866	6855181	1.12	cps
Silver	107-1	4705045	4670037	4665210	4680097	0.46	cps
Silver	109-1	4387355	4461848	4429009	4426071	0.84	cps
Sodium	23-2	127328641	126382341	127317075	127009353	0.43	cps
Strontium	86-1	1027162	1034287	1024952	1028800	0.47	cps
Strontium	88-1	10728669	10594553	10821183	10714802	1.06	cps
Sulfur	34-1	465909	461903	458709	462174	0.78	cps
Terbium	159-1	8246220	8142740	8113879	8167613	0.85	cps
Terbium	159-2	6491716	6422616	6529176	6481169	0.83	cps
Thallium	203-1	2976148	2979834	2894793	2950258	1.63	cps
Thallium	205-1	6972441	7133962	7290517	7132307	2.23	cps
Tin	118-1	2905878	2845291	2824256	2858475	1.48	cps
Titanium	47-1	5139470	5227057	5175131	5180553	0.85	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCV03	Instrumnet Name :	P7
Client Sample ID :	CCV03	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 15:28:00	DataFile Name :	056CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8252012	8642243	8731078	8541778	2.98	cps
Vanadium	51-2	1562945	1535600	1522678	1540408	1.33	cps
Yttrium	89-1	11107596	10871038	11024781	11001138	1.09	cps
Yttrium	89-2	3187546	3213874	3197164	3199528	0.42	cps
Zinc	66-2	3790798	3813163	3794910	3799624	0.31	cps
Zirconium	90-1	6478317	6532604	6576623	6529181	0.75	cps
Zirconium	91-1	1426525	1227617	1441223	1365122	8.74	cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCB03	Instrumnet Name :	P7
Client Sample ID :	CCB03	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 15:30:43	DataFile Name :	057CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	517	480	540	512	5.90	cps
Antimony	121-1	923	963	883	923	4.33	cps
Arsenic	75-2	17	23	7	16	53.90	cps
Barium	135-1	113	77	40	77	47.83	cps
Barium	137-1	117	147	113	126	14.62	cps
Beryllium	9-1	24	7	17	16	52.07	cps
Bismuth	209-1	4479721	4638391	4629609	4582573	1.95	cps
Bismuth	209-2	4526131	4534498	4519347	4526659	0.17	cps
Bromine	81-1	10644	10424	10490	10519	1.07	cps
Bromine	81-2	317	313	287	306	5.38	cps
Cadmium	108-1	13	10	13	12	15.73	cps
Cadmium	106-1	2090	2100	2174	2121	2.15	cps
Cadmium	111-1	1524	1510	1565	1533	1.89	cps
Calcium	43-1	440	433	497	457	7.62	cps
Calcium	44-1	52273	51524	51758	51852	0.74	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2200	2117	2247	2188	3.01	cps
Cobalt	59-2	110	110	127	116	8.33	cps
Copper	63-2	1433	1367	1497	1432	4.54	cps
Dysprosium	156-1	0	3	3	2	86.60	cps
Dysprosium	156-2	7	3	3	4	43.40	cps
Erbium	164-1	53	50	57	53	6.25	cps
Erbium	164-2	30	30	33	31	6.18	cps
Gadolinium	160-1	50	60	33	48	28.20	cps
Gadolinium	160-2	370	377	320	356	8.71	cps
Holmium	165-1	7424638	7669884	7639230	7577917	1.76	cps
Holmium	165-2	6327944	6263549	6294736	6295409	0.51	cps
Indium	115-1	6406104	6512424	6743290	6553940	2.63	cps
Indium	115-2	2657191	2640378	2663288	2653619	0.45	cps
Iron	56-2	24664	25188	25161	25004	1.18	cps
Iron	57-2	1413	1327	1450	1397	4.53	cps
Iron	54-2	2704	2794	2867	2788	2.93	cps
Krypton	83-1	540	507	477	508	6.24	cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCB03	Instrumnet Name :	P7
Client Sample ID :	CCB03	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 15:30:43	DataFile Name :	057CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	707	657	627	663	6.09	cps
Lead	207-1	533	487	580	533	8.75	cps
Lead	208-1	2727	2393	2433	2518	7.23	cps
Lithium	6-1	525028	543805	539690	536174	1.84	cps
Magnesium	24-2	920	777	1037	911	14.29	cps
Manganese	55-2	6865	6762	6898	6842	1.04	cps
Molybdenum	94-1	853	763	840	819	5.93	cps
Molybdenum	95-1	893	817	853	854	4.49	cps
Molybdenum	96-1	1043	997	893	978	7.85	cps
Molybdenum	97-1	707	573	567	616	12.83	cps
Molybdenum	98-1	1543	1177	1210	1310	15.48	cps
Neodymium	150-1	3	7	0	3	100.05	cps
Neodymium	150-2	3	0	0	1	173.21	cps
Nickel	60-2	633	657	590	627	5.40	cps
Phosphorus	31-2	663	747	603	671	10.73	cps
Potassium	39-2	78008	77683	77224	77639	0.51	cps
Rhodium	103-1	6602710	6696576	6701646	6666977	0.84	cps
Rhodium	103-2	4465360	4335861	4416568	4405930	1.48	cps
Scandium	45-1	4187103	4314462	4272953	4258173	1.53	cps
Scandium	45-2	353951	353496	350862	352770	0.47	cps
Selenium	82-1	518	502	513	511	1.62	cps
Selenium	77-2	40	23	17	27	45.07	cps
Selenium	78-2	573	580	617	590	3.96	cps
Silicon	28-1	1179803	741688	757113	892868	27.84	cps
Silver	107-1	407	393	310	370	14.16	cps
Silver	109-1	333	283	310	309	8.10	cps
Sodium	23-2	48677	48413	47720	48270	1.02	cps
Strontium	86-1	763	797	877	812	7.17	cps
Strontium	88-1	417	363	393	391	6.84	cps
Sulfur	34-1	186665	186860	186203	186576	0.18	cps
Terbium	159-1	7658349	7781883	7754093	7731442	0.84	cps
Terbium	159-2	6202024	6221665	6164752	6196147	0.47	cps
Thallium	203-1	580	567	493	547	8.54	cps
Thallium	205-1	1413	1387	1377	1392	1.36	cps
Tin	118-1	2074	2080	1950	2035	3.60	cps
Titanium	47-1	143	137	150	143	4.65	cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCB03	Instrumnet Name :	P7
Client Sample ID :	CCB03	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 15:30:43	DataFile Name :	057CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	163	130	123	139	15.43	cps
Vanadium	51-2	20	37	50	36	42.27	cps
Yttrium	89-1	10298560	10475078	10557126	10443588	1.27	cps
Yttrium	89-2	3068851	3075943	3069748	3071514	0.13	cps
Zinc	66-2	780	730	693	734	5.92	cps
Zirconium	90-1	1080	927	933	980	8.84	cps
Zirconium	91-1	200	167	290	219	29.15	cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02LDL2X125	Instrumnet Name :	P7
Client Sample ID :	50765LDL2	Dilution Factor :	125
Date & Time Acquired :	2025-08-05 15:34:01	DataFile Name :	058SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1667	1650	1540	1619	4.25	cps
Antimony	121-1	477	593	590	553	12.00	cps
Arsenic	75-2	100	140	130	123	16.88	cps
Barium	135-1	110	113	117	113	2.94	cps
Barium	137-1	193	160	170	174	9.81	cps
Beryllium	9-1	7	7	10	8	24.02	cps
Bismuth	209-1	4552895	4507172	4734896	4598321	2.62	cps
Bismuth	209-2	4600201	4671753	4575830	4615928	1.08	cps
Bromine	81-1	10044	11111	10847	10667	5.21	cps
Bromine	81-2	310	283	367	320	13.30	cps
Cadmium	108-1	3	3	13	7	86.65	cps
Cadmium	106-1	2194	2190	2304	2229	2.89	cps
Cadmium	111-1	1573	1561	1626	1587	2.20	cps
Calcium	43-1	737	747	873	786	9.70	cps
Calcium	44-1	60413	61615	62277	61435	1.54	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2767	2894	2937	2866	3.08	cps
Cobalt	59-2	200	130	157	162	21.78	cps
Copper	63-2	2384	2367	2300	2350	1.88	cps
Dysprosium	156-1	10	0	7	6	91.64	cps
Dysprosium	156-2	3	7	10	7	50.03	cps
Erbium	164-1	57	33	77	56	39.04	cps
Erbium	164-2	53	37	23	38	39.79	cps
Gadolinium	160-1	30	40	40	37	15.75	cps
Gadolinium	160-2	370	307	340	339	9.35	cps
Holmium	165-1	7541990	7659342	7712566	7637966	1.14	cps
Holmium	165-2	6624259	6561408	6371693	6519120	2.02	cps
Indium	115-1	6631981	6505068	6764987	6634012	1.96	cps
Indium	115-2	2690604	2691696	2702931	2695077	0.25	cps
Iron	56-2	2714363	2665540	2630471	2670125	1.58	cps
Iron	57-2	59501	59454	59193	59382	0.28	cps
Iron	54-2	131183	131970	132168	131774	0.40	cps
Krypton	83-1	493	487	510	497	2.42	cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02LDL2X125	Instrumnet Name :	P7
Client Sample ID :	50765LDL2	Dilution Factor :	125
Date & Time Acquired :	2025-08-05 15:34:01	DataFile Name :	058SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1537	1550	1607	1565	2.38	cps
Lead	207-1	1163	1167	1150	1160	0.76	cps
Lead	208-1	5681	5597	5921	5733	2.93	cps
Lithium	6-1	539001	548949	554696	547549	1.45	cps
Magnesium	24-2	4174	4174	4214	4187	0.55	cps
Manganese	55-2	21989	21996	21218	21735	2.06	cps
Molybdenum	94-1	1427	1263	1520	1403	9.26	cps
Molybdenum	95-1	1537	1363	1553	1485	7.09	cps
Molybdenum	96-1	1577	1580	1623	1593	1.63	cps
Molybdenum	97-1	867	840	990	899	8.90	cps
Molybdenum	98-1	2084	2154	2064	2100	2.25	cps
Neodymium	150-1	13	7	10	10	33.30	cps
Neodymium	150-2	10	3	13	9	57.30	cps
Nickel	60-2	1423	1420	1450	1431	1.15	cps
Phosphorus	31-2	2640	2630	2780	2684	3.13	cps
Potassium	39-2	438116	441820	434390	438109	0.85	cps
Rhodium	103-1	6702067	6638817	6849778	6730221	1.61	cps
Rhodium	103-2	4511416	4396356	4532523	4480098	1.64	cps
Scandium	45-1	4268118	4279091	4455681	4334297	2.43	cps
Scandium	45-2	360011	362016	357897	359975	0.57	cps
Selenium	82-1	575	648	663	628	7.52	cps
Selenium	77-2	63	77	57	66	15.54	cps
Selenium	78-2	690	600	657	649	7.01	cps
Silicon	28-1	1437998	1443193	1531873	1471021	3.59	cps
Silver	107-1	203	173	180	186	8.49	cps
Silver	109-1	133	83	143	120	26.79	cps
Sodium	23-2	161417	164389	163226	163011	0.92	cps
Strontium	86-1	857	923	810	863	6.60	cps
Strontium	88-1	1110	1120	1127	1119	0.75	cps
Sulfur	34-1	195442	196007	196766	196072	0.34	cps
Terbium	159-1	7856240	7782297	8121428	7919988	2.25	cps
Terbium	159-2	6378246	6450519	6244517	6357761	1.64	cps
Thallium	203-1	440	330	377	382	14.44	cps
Thallium	205-1	923	977	1010	970	4.51	cps
Tin	118-1	2250	2254	2227	2244	0.65	cps
Titanium	47-1	340	397	323	353	10.88	cps

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LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02LDL2X125	Instrumnet Name :	P7
Client Sample ID :	50765LDL2	Dilution Factor :	125
Date & Time Acquired :	2025-08-05 15:34:01	DataFile Name :	058SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	27	30	20	26	19.92	cps
Vanadium	51-2	53	63	57	58	8.81	cps
Yttrium	89-1	10435416	10680353	10598158	10571309	1.18	cps
Yttrium	89-2	3119062	3120317	3134793	3124724	0.28	cps
Zinc	66-2	5128	4634	4841	4868	5.09	cps
Zirconium	90-1	1600	1433	1563	1532	5.72	cps
Zirconium	91-1	330	353	320	334	5.11	cps

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LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02MSDL2X25	Instrumnet Name :	P7
Client Sample ID :	50765MSDL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-05 15:37:15	DataFile Name :	059SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	59421	60429	58659	59503	1.49	cps
Antimony	121-1	101415	102439	105078	102977	1.84	cps
Arsenic	75-2	14868	15141	15004	15004	0.91	cps
Barium	135-1	107436	109454	110109	109000	1.28	cps
Barium	137-1	187179	189815	193159	190051	1.58	cps
Beryllium	9-1	16231	16305	16834	16457	2.00	cps
Bismuth	209-1	4542052	4563551	4637226	4580943	1.09	cps
Bismuth	209-2	4767509	4721327	4671337	4720057	1.02	cps
Bromine	81-1	11591	11995	11798	11795	1.71	cps
Bromine	81-2	610	540	603	584	6.61	cps
Cadmium	108-1	2110	2244	2010	2121	5.52	cps
Cadmium	106-1	5151	5121	4858	5043	3.20	cps
Cadmium	111-1	30393	31060	31229	30894	1.43	cps
Calcium	43-1	33066	33714	34326	33702	1.87	cps
Calcium	44-1	608998	635546	635281	626608	2.43	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	61468	59755	60116	60446	1.49	cps
Cobalt	59-2	91396	91383	91068	91282	0.20	cps
Copper	63-2	647612	649208	653576	650132	0.47	cps
Dysprosium	156-1	3	10	17	10	66.70	cps
Dysprosium	156-2	20	7	13	13	49.99	cps
Erbium	164-1	47	47	60	51	15.06	cps
Erbium	164-2	33	37	43	38	13.48	cps
Gadolinium	160-1	50	33	43	42	19.87	cps
Gadolinium	160-2	317	367	353	346	7.49	cps
Holmium	165-1	7500242	7914729	7757669	7724213	2.71	cps
Holmium	165-2	6516648	6566460	6612802	6565304	0.73	cps
Indium	115-1	6589460	6757576	6808920	6718652	1.71	cps
Indium	115-2	2757038	2784873	2746989	2762967	0.71	cps
Iron	56-2	16093370	15914024	16047031	16018141	0.58	cps
Iron	57-2	352398	354095	355522	354005	0.44	cps
Iron	54-2	789066	781219	781343	783876	0.57	cps
Krypton	83-1	460	520	513	498	6.61	cps

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LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02MSDL2X25	Instrumnet Name :	P7
Client Sample ID :	50765MSDL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-05 15:37:15	DataFile Name :	059SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	354449	365993	368190	362877	2.03	cps
Lead	207-1	300035	306285	317132	307817	2.81	cps
Lead	208-1	1368736	1401322	1428826	1399628	2.15	cps
Lithium	6-1	553116	547792	550410	550439	0.48	cps
Magnesium	24-2	537479	542545	534809	538278	0.73	cps
Manganese	55-2	532631	535080	529607	532439	0.51	cps
Molybdenum	94-1	185827	189980	192311	189372	1.73	cps
Molybdenum	95-1	205881	211543	213885	210436	1.96	cps
Molybdenum	96-1	229198	235484	237992	234225	1.93	cps
Molybdenum	97-1	128910	130447	132829	130729	1.51	cps
Molybdenum	98-1	327461	339748	337815	335008	1.97	cps
Neodymium	150-1	20	17	3	13	66.16	cps
Neodymium	150-2	13	7	0	7	99.98	cps
Nickel	60-2	27652	27806	27689	27716	0.29	cps
Phosphorus	31-2	11151	11581	10964	11232	2.82	cps
Potassium	39-2	2476524	2484622	2478076	2479741	0.17	cps
Rhodium	103-1	6673364	6887167	6995139	6851890	2.39	cps
Rhodium	103-2	4500521	4586666	4478589	4521925	1.26	cps
Scandium	45-1	4337879	4391119	4495649	4408216	1.82	cps
Scandium	45-2	364963	365667	363734	364788	0.27	cps
Selenium	82-1	3422	3544	3887	3618	6.67	cps
Selenium	77-2	497	453	407	452	9.95	cps
Selenium	78-2	1853	1807	1913	1858	2.88	cps
Silicon	28-1	2820625	3078652	3192641	3030639	6.29	cps
Silver	107-1	23873	23516	24528	23972	2.14	cps
Silver	109-1	22007	23022	23666	22898	3.65	cps
Sodium	23-2	1739986	1703307	1737251	1726848	1.18	cps
Strontium	86-1	42277	43568	44838	43561	2.94	cps
Strontium	88-1	368606	373640	376417	372888	1.06	cps
Sulfur	34-1	222590	222827	221211	222210	0.39	cps
Terbium	159-1	7817879	7994120	8194377	8002125	2.35	cps
Terbium	159-2	6462968	6260383	6413341	6378897	1.66	cps
Thallium	203-1	85374	89282	91325	88661	3.41	cps
Thallium	205-1	204300	205135	210475	206637	1.62	cps
Tin	118-1	79602	81791	82900	81431	2.06	cps
Titanium	47-1	677	667	723	689	4.39	cps

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LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02MSDL2X25	Instrumnet Name :	P7
Client Sample ID :	50765MSDL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-05 15:37:15	DataFile Name :	059SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	235362	240799	245225	240462	2.05	cps
Vanadium	51-2	49431	48592	48769	48931	0.90	cps
Yttrium	89-1	10378815	10489620	10696671	10521702	1.53	cps
Yttrium	89-2	3158235	3147802	3166549	3157529	0.30	cps
Zinc	66-2	142109	140348	141073	141177	0.63	cps
Zirconium	90-1	189152	193950	195177	192760	1.65	cps
Zirconium	91-1	42354	43976	44176	43502	2.30	cps

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LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02MSDDL2X25	Instrumnet Name :	P7
Client Sample ID :	50765MSDDL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-05 15:40:29	DataFile Name :	060SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	61858	60007	59512	60459	2.05	cps
Antimony	121-1	104813	108278	107643	106911	1.73	cps
Arsenic	75-2	15605	15255	15028	15296	1.90	cps
Barium	135-1	111127	111457	112048	111544	0.42	cps
Barium	137-1	191197	190547	199029	193591	2.44	cps
Beryllium	9-1	16402	16448	17220	16690	2.75	cps
Bismuth	209-1	4711108	4712357	4695624	4706363	0.20	cps
Bismuth	209-2	4648485	4834856	4682513	4721951	2.10	cps
Bromine	81-1	11815	12075	11678	11856	1.70	cps
Bromine	81-2	683	533	537	584	14.66	cps
Cadmium	108-1	2150	2144	2174	2156	0.73	cps
Cadmium	106-1	5431	5158	5328	5305	2.60	cps
Cadmium	111-1	31606	32585	31848	32013	1.59	cps
Calcium	43-1	33955	34863	34747	34522	1.43	cps
Calcium	44-1	631437	632614	642050	635367	0.92	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	62355	61937	61766	62019	0.49	cps
Cobalt	59-2	92075	92305	92194	92191	0.13	cps
Copper	63-2	662714	669526	663770	665337	0.55	cps
Dysprosium	156-1	10	10	10	10	0.00	cps
Dysprosium	156-2	7	7	7	7	0.00	cps
Erbium	164-1	47	60	57	54	12.74	cps
Erbium	164-2	40	43	50	44	11.46	cps
Gadolinium	160-1	60	40	30	43	35.25	cps
Gadolinium	160-2	333	313	433	360	17.86	cps
Holmium	165-1	8032481	7841584	7851992	7908686	1.36	cps
Holmium	165-2	6573380	6464339	6530050	6522590	0.84	cps
Indium	115-1	6614310	6809735	6993283	6805776	2.78	cps
Indium	115-2	2738025	2751527	2796075	2761876	1.10	cps
Iron	56-2	16243935	16480661	16363678	16362758	0.72	cps
Iron	57-2	361325	358524	355804	358551	0.77	cps
Iron	54-2	800814	794088	786890	793931	0.88	cps
Krypton	83-1	597	477	507	527	11.86	cps

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LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02MSDDL2X25	Instrumnet Name :	P7
Client Sample ID :	50765MSDDL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-05 15:40:29	DataFile Name :	060SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	362007	367632	370350	366663	1.16	cps
Lead	207-1	307103	309079	320096	312093	2.24	cps
Lead	208-1	1408273	1435656	1451779	1431903	1.54	cps
Lithium	6-1	550632	559682	558511	556275	0.88	cps
Magnesium	24-2	545251	547669	545369	546097	0.25	cps
Manganese	55-2	535316	538014	533082	535471	0.46	cps
Molybdenum	94-1	193710	195464	198461	195878	1.23	cps
Molybdenum	95-1	208768	214376	218414	213852	2.27	cps
Molybdenum	96-1	234531	237233	242200	237988	1.63	cps
Molybdenum	97-1	132731	136881	134833	134815	1.54	cps
Molybdenum	98-1	337162	341496	343955	340871	1.01	cps
Neodymium	150-1	17	7	20	14	48.02	cps
Neodymium	150-2	13	10	17	13	25.01	cps
Nickel	60-2	27863	28247	27819	27976	0.84	cps
Phosphorus	31-2	11331	11501	11708	11513	1.64	cps
Potassium	39-2	2506825	2509808	2500751	2505794	0.18	cps
Rhodium	103-1	6739350	6769282	6959084	6822572	1.75	cps
Rhodium	103-2	4490994	4517469	4478870	4495777	0.44	cps
Scandium	45-1	4393109	4337739	4487521	4406123	1.72	cps
Scandium	45-2	366724	367712	362360	365599	0.78	cps
Selenium	82-1	3582	4041	4173	3932	7.90	cps
Selenium	77-2	530	517	450	499	8.59	cps
Selenium	78-2	1930	1940	1970	1947	1.07	cps
Silicon	28-1	3093971	3160470	3262820	3172420	2.68	cps
Silver	107-1	24952	24765	25155	24957	0.78	cps
Silver	109-1	22361	23182	24397	23313	4.40	cps
Sodium	23-2	1733625	1722208	1712062	1722632	0.63	cps
Strontium	86-1	43635	44086	44521	44080	1.00	cps
Strontium	88-1	376149	385112	383608	381623	1.26	cps
Sulfur	34-1	222025	221194	221822	221681	0.20	cps
Terbium	159-1	7992618	7778015	8272789	8014474	3.10	cps
Terbium	159-2	6462367	6505404	6367525	6445099	1.09	cps
Thallium	203-1	88326	88554	90560	89147	1.38	cps
Thallium	205-1	210506	218333	214620	214486	1.83	cps
Tin	118-1	81536	80902	83608	82015	1.73	cps
Titanium	47-1	723	713	793	743	5.86	cps

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LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02MSDDL2X25	Instrumnet Name :	P7
Client Sample ID :	50765MSDDL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-05 15:40:29	DataFile Name :	060SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	238814	241312	253624	244583	3.24	cps
Vanadium	51-2	50461	49946	49645	50017	0.83	cps
Yttrium	89-1	10671257	10748007	10656666	10691976	0.46	cps
Yttrium	89-2	3167853	3165245	3144004	3159034	0.41	cps
Zinc	66-2	144497	143592	143934	144008	0.32	cps
Zirconium	90-1	193283	196166	199634	196361	1.62	cps
Zirconium	91-1	43608	43779	45096	44161	1.84	cps

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LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02ADL2X25	Instrumnet Name :	P7
Client Sample ID :	50765ADL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-05 15:43:43	DataFile Name :	061SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	60067	60730	59127	59975	1.34	cps
Antimony	121-1	102074	103745	104903	103574	1.37	cps
Arsenic	75-2	16449	16446	16202	16366	0.87	cps
Barium	135-1	106694	108745	110361	108600	1.69	cps
Barium	137-1	188252	190153	189997	189467	0.56	cps
Beryllium	9-1	15943	16300	16911	16384	2.99	cps
Bismuth	209-1	4588630	4573125	4581949	4581234	0.17	cps
Bismuth	209-2	4659161	4692169	4612439	4654590	0.86	cps
Bromine	81-1	11825	11878	11798	11834	0.34	cps
Bromine	81-2	647	700	580	642	9.36	cps
Cadmium	108-1	2017	2030	2067	2038	1.27	cps
Cadmium	106-1	5014	5204	5361	5193	3.34	cps
Cadmium	111-1	31575	31228	31178	31327	0.69	cps
Calcium	43-1	33664	34125	34917	34235	1.85	cps
Calcium	44-1	622105	633856	638045	631335	1.31	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	61134	60457	59671	60421	1.21	cps
Cobalt	59-2	89247	88891	89869	89336	0.55	cps
Copper	63-2	650334	645878	650707	648973	0.41	cps
Dysprosium	156-1	17	17	20	18	10.81	cps
Dysprosium	156-2	3	13	3	7	86.65	cps
Erbium	164-1	60	50	37	49	23.94	cps
Erbium	164-2	37	53	40	43	20.34	cps
Gadolinium	160-1	37	37	53	42	22.78	cps
Gadolinium	160-2	337	353	387	359	7.10	cps
Holmium	165-1	7533716	7706828	7981926	7740823	2.92	cps
Holmium	165-2	6435955	6587734	6598066	6540585	1.39	cps
Indium	115-1	6674619	6834726	6812381	6773909	1.28	cps
Indium	115-2	2771655	2740739	2763731	2758708	0.58	cps
Iron	56-2	15970683	16012146	16264973	16082601	0.99	cps
Iron	57-2	347257	354765	352702	351574	1.10	cps
Iron	54-2	771173	782892	780170	778079	0.79	cps
Krypton	83-1	473	527	527	509	6.05	cps

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LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02ADL2X25	Instrumnet Name :	P7
Client Sample ID :	50765ADL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-05 15:43:43	DataFile Name :	061SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	349673	363165	367063	359967	2.54	cps
Lead	207-1	296741	305024	305118	302294	1.59	cps
Lead	208-1	1360883	1394975	1397868	1384575	1.49	cps
Lithium	6-1	552546	559267	558474	556762	0.66	cps
Magnesium	24-2	533667	536395	536966	535676	0.33	cps
Manganese	55-2	523849	524728	528369	525649	0.46	cps
Molybdenum	94-1	186929	189419	189869	188739	0.84	cps
Molybdenum	95-1	207266	210392	213829	210496	1.56	cps
Molybdenum	96-1	228812	233389	232941	231714	1.09	cps
Molybdenum	97-1	129354	131608	130750	130571	0.87	cps
Molybdenum	98-1	328685	334688	338692	334021	1.51	cps
Neodymium	150-1	10	3	7	7	50.03	cps
Neodymium	150-2	3	7	3	4	43.40	cps
Nickel	60-2	27435	27335	27592	27454	0.47	cps
Phosphorus	31-2	11388	11528	10791	11235	3.48	cps
Potassium	39-2	2514532	2461353	2454456	2476780	1.33	cps
Rhodium	103-1	6628062	6771107	6851235	6750135	1.67	cps
Rhodium	103-2	4421515	4459027	4481449	4453997	0.68	cps
Scandium	45-1	4369173	4407585	4423687	4400148	0.64	cps
Scandium	45-2	363897	366820	365145	365287	0.40	cps
Selenium	82-1	3689	3893	3941	3841	3.48	cps
Selenium	77-2	440	427	507	458	9.36	cps
Selenium	78-2	2100	1930	1903	1978	5.39	cps
Silicon	28-1	2923947	3152365	3190721	3089011	4.67	cps
Silver	107-1	23856	24621	24848	24442	2.13	cps
Silver	109-1	22845	22384	22982	22737	1.38	cps
Sodium	23-2	1703087	1734064	1730303	1722485	0.98	cps
Strontium	86-1	43030	43006	44250	43429	1.64	cps
Strontium	88-1	365451	371969	374946	370789	1.31	cps
Sulfur	34-1	224264	222377	220345	222329	0.88	cps
Terbium	159-1	7755633	7899766	7968808	7874736	1.38	cps
Terbium	159-2	6408402	6385400	6417415	6403739	0.26	cps
Thallium	203-1	85008	87910	88272	87064	2.05	cps
Thallium	205-1	203635	205992	204920	204849	0.58	cps
Tin	118-1	80225	80296	80329	80284	0.07	cps
Titanium	47-1	760	850	640	750	14.05	cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2719-02ADL2X25	Instrumnet Name :	P7
Client Sample ID :	50765ADL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-05 15:43:43	DataFile Name :	061SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	225782	237173	243155	235370	3.75	cps
Vanadium	51-2	49046	48956	48414	48806	0.70	cps
Yttrium	89-1	10670360	10492081	10445572	10536004	1.13	cps
Yttrium	89-2	3135869	3181270	3076774	3131304	1.67	cps
Zinc	66-2	140821	139415	138874	139703	0.72	cps
Zirconium	90-1	191237	190700	194467	192135	1.06	cps
Zirconium	91-1	42097	42779	43377	42751	1.50	cps

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On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	PB169115BS	Instrumnet Name :	P7
Client Sample ID :	PB169115BS	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 15:53:30	DataFile Name :	064LCSS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1868430	1808103	1853873	1843469	1.71	cps
Antimony	121-1	3188383	3294418	3314747	3265849	2.08	cps
Arsenic	75-2	194963	191429	194061	193485	0.95	cps
Barium	135-1	3842257	3969814	3915699	3909257	1.64	cps
Barium	137-1	6698759	6944346	6861802	6834969	1.83	cps
Beryllium	9-1	429782	448065	441352	439733	2.10	cps
Bismuth	209-1	4554477	4776354	4669568	4666800	2.38	cps
Bismuth	209-2	4504029	4480574	4530460	4505021	0.55	cps
Bromine	81-1	9613	9383	9260	9419	1.91	cps
Bromine	81-2	157	103	113	124	22.78	cps
Cadmium	108-1	54757	57738	57106	56533	2.78	cps
Cadmium	106-1	79550	82312	81960	81274	1.85	cps
Cadmium	111-1	766703	793182	785684	781856	1.75	cps
Calcium	43-1	860945	889265	886539	878916	1.78	cps
Calcium	44-1	15859445	16462564	16429942	16250650	2.09	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1749887	1742028	1748446	1746787	0.24	cps
Cobalt	59-2	2709925	2693584	2644051	2682520	1.28	cps
Copper	63-2	21331280	21515189	21150715	21332394	0.85	cps
Dysprosium	156-1	57	63	63	61	6.29	cps
Dysprosium	156-2	173	187	187	182	4.22	cps
Erbium	164-1	123	107	100	110	10.93	cps
Erbium	164-2	73	77	87	79	8.80	cps
Gadolinium	160-1	103	50	103	86	35.99	cps
Gadolinium	160-2	287	337	400	341	16.65	cps
Holmium	165-1	7825438	7838343	7872504	7845428	0.31	cps
Holmium	165-2	6552296	6442284	6470688	6488422	0.88	cps
Indium	115-1	6511240	6707194	6656279	6624905	1.53	cps
Indium	115-2	2690537	2641228	2620276	2650681	1.36	cps
Iron	56-2	82856045	79679834	81991509	81509129	2.01	cps
Iron	57-2	2058835	2038579	2009260	2035558	1.22	cps
Iron	54-2	4565391	4610604	4519782	4565259	0.99	cps
Krypton	83-1	553	547	547	549	0.70	cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	PB169115BS	Instrumnet Name :	P7
Client Sample ID :	PB169115BS	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 15:53:30	DataFile Name :	064LCSS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	11927953	12333409	12134420	12131927	1.67	cps
Lead	207-1	10286240	10407571	10314637	10336149	0.61	cps
Lead	208-1	46344247	47807695	46999501	47050481	1.56	cps
Lithium	6-1	565991	569779	568564	568111	0.34	cps
Magnesium	24-2	15987927	15721369	16092096	15933798	1.20	cps
Manganese	55-2	14548055	14420277	14243808	14404047	1.06	cps
Molybdenum	94-1	12454281	12888320	12823465	12722022	1.84	cps
Molybdenum	95-1	17837826	18501671	18499606	18279701	2.09	cps
Molybdenum	96-1	19139543	19850166	19736201	19575303	1.95	cps
Molybdenum	97-1	11024284	11367000	11198072	11196452	1.53	cps
Molybdenum	98-1	28345955	29200096	29060932	28868994	1.59	cps
Neodymium	150-1	117	137	87	113	22.20	cps
Neodymium	150-2	43	57	37	46	22.36	cps
Nickel	60-2	604626	597328	588423	596792	1.36	cps
Phosphorus	31-2	87255	87412	86064	86910	0.85	cps
Potassium	39-2	9471290	9593384	9151465	9405380	2.43	cps
Rhodium	103-1	6617606	6660292	6635607	6637835	0.32	cps
Rhodium	103-2	4237661	4262417	4241837	4247305	0.31	cps
Scandium	45-1	4365137	4395953	4308198	4356429	1.02	cps
Scandium	45-2	362891	356607	359098	359532	0.88	cps
Selenium	82-1	56780	59258	59137	58392	2.39	cps
Selenium	77-2	7022	6728	6692	6814	2.66	cps
Selenium	78-2	23081	22981	23185	23083	0.44	cps
Silicon	28-1	4913922	5135220	5161310	5070151	2.68	cps
Silver	107-1	4526930	4703129	4540841	4590300	2.13	cps
Silver	109-1	4209615	4481178	4443534	4378109	3.36	cps
Sodium	23-2	25219605	24580880	24861257	24887248	1.29	cps
Strontium	86-1	946255	983614	970279	966716	1.96	cps
Strontium	88-1	9895069	10016201	10115912	10009061	1.10	cps
Sulfur	34-1	442411	454131	447026	447856	1.32	cps
Terbium	159-1	7906225	8284093	7917697	8036005	2.67	cps
Terbium	159-2	6396779	6267424	6237757	6300654	1.34	cps
Thallium	203-1	2864141	2948807	2872316	2895088	1.61	cps
Thallium	205-1	7024388	7250283	6950208	7074960	2.21	cps
Tin	118-1	2628570	2832875	2760675	2740706	3.78	cps
Titanium	47-1	4785766	4988000	4892791	4888852	2.07	cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	PB169115BS	Instrumnet Name :	P7
Client Sample ID :	PB169115BS	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 15:53:30	DataFile Name :	064LCSS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8097532	8573082	8372735	8347783	2.86	cps
Vanadium	51-2	1473481	1471420	1496305	1480402	0.93	cps
Yttrium	89-1	10556719	10586404	10724058	10622394	0.84	cps
Yttrium	89-2	3107063	3070465	2981065	3052865	2.12	cps
Zinc	66-2	3980937	3936258	3899269	3938821	1.04	cps
Zirconium	90-1	6099507	6354393	6284131	6246010	2.11	cps
Zirconium	91-1	1127481	1184830	1166954	1159755	2.53	cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-02DLX5	Instrumnet Name :	P7
Client Sample ID :	4023DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 15:56:12	DataFile Name :	065SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	10684	10404	10394	10494	1.57	cps
Antimony	121-1	2437	2344	2407	2396	1.99	cps
Arsenic	75-2	463	433	437	444	3.70	cps
Barium	135-1	10547	10547	10858	10651	1.68	cps
Barium	137-1	18722	18873	18909	18835	0.53	cps
Beryllium	9-1	32	25	28	28	12.69	cps
Bismuth	209-1	4575456	4442092	4503717	4507088	1.48	cps
Bismuth	209-2	4555601	4488982	4585716	4543433	1.09	cps
Bromine	81-1	13526	14604	15462	14531	6.67	cps
Bromine	81-2	1257	1207	1303	1256	3.85	cps
Cadmium	108-1	20	27	33	27	24.99	cps
Cadmium	106-1	2180	2297	2187	2221	2.95	cps
Cadmium	111-1	1695	1726	1661	1694	1.92	cps
Calcium	43-1	129494	127656	130059	129070	0.97	cps
Calcium	44-1	2412448	2391821	2442098	2415456	1.05	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3594	3514	3567	3558	1.15	cps
Cobalt	59-2	1323	1217	1057	1199	11.20	cps
Copper	63-2	42955	42979	41751	42562	1.65	cps
Dysprosium	156-1	70	47	53	57	21.21	cps
Dysprosium	156-2	60	53	57	57	5.89	cps
Erbium	164-1	80	110	110	100	17.32	cps
Erbium	164-2	80	97	93	90	9.80	cps
Gadolinium	160-1	77	107	90	91	16.50	cps
Gadolinium	160-2	433	313	367	371	16.20	cps
Holmium	165-1	7572967	7503540	7484439	7520315	0.62	cps
Holmium	165-2	6417864	6318203	6342051	6359372	0.82	cps
Indium	115-1	6337918	6409456	6458678	6402017	0.95	cps
Indium	115-2	2659301	2716795	2637560	2671219	1.53	cps
Iron	56-2	1074773	1082256	1070384	1075805	0.56	cps
Iron	57-2	30154	30070	30865	30363	1.44	cps
Iron	54-2	61502	59661	59849	60337	1.68	cps
Krypton	83-1	410	510	573	498	16.54	cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-02DLX5	Instrumnet Name :	P7
Client Sample ID :	4023DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 15:56:12	DataFile Name :	065SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	68630	69535	69263	69142	0.67	cps
Lead	207-1	56478	56455	54962	55965	1.55	cps
Lead	208-1	262703	261361	260981	261682	0.35	cps
Lithium	6-1	544875	544685	553615	547725	0.93	cps
Magnesium	24-2	260473	258353	259434	259420	0.41	cps
Manganese	55-2	101527	101285	99946	100920	0.84	cps
Molybdenum	94-1	4281	4031	4164	4158	3.01	cps
Molybdenum	95-1	5691	5568	5464	5574	2.04	cps
Molybdenum	96-1	6261	5978	6165	6135	2.35	cps
Molybdenum	97-1	3660	3514	3307	3494	5.08	cps
Molybdenum	98-1	9053	8976	8873	8967	1.01	cps
Neodymium	150-1	87	107	120	104	16.06	cps
Neodymium	150-2	70	93	67	77	18.95	cps
Nickel	60-2	2437	2410	2510	2452	2.11	cps
Phosphorus	31-2	1120	1080	1057	1086	2.95	cps
Potassium	39-2	4251541	4280533	4400953	4311009	1.84	cps
Rhodium	103-1	6538442	6522740	6572883	6544689	0.39	cps
Rhodium	103-2	4230942	4365178	4303841	4299987	1.56	cps
Scandium	45-1	4194558	4198412	4286784	4226585	1.23	cps
Scandium	45-2	353999	358665	350693	354452	1.13	cps
Selenium	82-1	654	574	444	557	19.04	cps
Selenium	77-2	40	47	27	38	26.95	cps
Selenium	78-2	513	643	570	576	11.32	cps
Silicon	28-1	7242676	7233850	7144579	7207035	0.75	cps
Silver	107-1	550	490	390	477	16.96	cps
Silver	109-1	587	390	390	456	24.92	cps
Sodium	23-2	28758249	28385124	28111961	28418445	1.14	cps
Strontium	86-1	49914	50824	49286	50008	1.55	cps
Strontium	88-1	428911	434699	435512	433041	0.83	cps
Sulfur	34-1	250078	251206	249909	250398	0.28	cps
Terbium	159-1	7893926	7934916	7780813	7869885	1.01	cps
Terbium	159-2	6401361	6269058	6237287	6302569	1.38	cps
Thallium	203-1	390	330	290	337	14.95	cps
Thallium	205-1	827	733	757	772	6.29	cps
Tin	118-1	5991	5955	5624	5857	3.45	cps
Titanium	47-1	2580	2480	2494	2518	2.16	cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-02DLX5	Instrumnet Name :	P7
Client Sample ID :	4023DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 15:56:12	DataFile Name :	065SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	1037	943	913	964	6.67	cps
Vanadium	51-2	1417	1337	1230	1328	7.05	cps
Yttrium	89-1	10234754	10186027	10419325	10280036	1.20	cps
Yttrium	89-2	3087061	3089278	3031161	3069167	1.07	cps
Zinc	66-2	79262	77101	76532	77632	1.86	cps
Zirconium	90-1	2540	2500	2590	2544	1.77	cps
Zirconium	91-1	580	590	583	584	0.87	cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-04DLX5	Instrumnet Name :	P7
Client Sample ID :	4044DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 15:59:27	DataFile Name :	066SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	30935	30170	30808	30637	1.34	cps
Antimony	121-1	27657	29597	29851	29035	4.13	cps
Arsenic	75-2	5841	5875	6401	6039	5.20	cps
Barium	135-1	33215	34950	35712	34626	3.69	cps
Barium	137-1	57870	60183	61325	59793	2.94	cps
Beryllium	9-1	17	21	7	15	46.57	cps
Bismuth	209-1	3641642	3758106	3875694	3758481	3.11	cps
Bismuth	209-2	3776046	3683453	3564846	3674782	2.88	cps
Bromine	81-1	722285	936059	1023433	893926	17.33	cps
Bromine	81-2	217681	218605	219119	218468	0.33	cps
Cadmium	108-1	8359	9080	8693	8710	4.14	cps
Cadmium	106-1	1807	1967	2007	1927	5.49	cps
Cadmium	111-1	5754	5678	5884	5772	1.80	cps
Calcium	43-1	25101	26086	27038	26075	3.71	cps
Calcium	44-1	580803	609735	616892	602477	3.17	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	9980	9293	9470	9581	3.72	cps
Cobalt	59-2	1233	1087	1167	1162	6.32	cps
Copper	63-2	133658	131117	134237	133004	1.25	cps
Dysprosium	156-1	17	7	10	11	45.82	cps
Dysprosium	156-2	7	13	23	14	58.06	cps
Erbium	164-1	60	27	37	41	41.60	cps
Erbium	164-2	40	43	50	44	11.46	cps
Gadolinium	160-1	57	47	70	58	20.26	cps
Gadolinium	160-2	273	290	290	284	3.38	cps
Holmium	165-1	6573933	6586762	6547206	6569300	0.31	cps
Holmium	165-2	5557322	5526173	5313620	5465705	2.43	cps
Indium	115-1	5377247	5575886	5696378	5549837	2.90	cps
Indium	115-2	2273628	2253182	2220580	2249130	1.19	cps
Iron	56-2	307356	302771	308477	306201	0.99	cps
Iron	57-2	8936	8746	9370	9017	3.55	cps
Iron	54-2	18849	19072	18929	18950	0.60	cps
Krypton	83-1	433	460	543	479	11.98	cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-04DLX5	Instrumnet Name :	P7
Client Sample ID :	4044DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 15:59:27	DataFile Name :	066SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	8713	9453	9370	9179	4.42	cps
Lead	207-1	7125	7409	7749	7428	4.20	cps
Lead	208-1	33320	34838	35772	34643	3.57	cps
Lithium	6-1	462369	467961	471508	467279	0.99	cps
Magnesium	24-2	206114	205361	202418	204631	0.95	cps
Manganese	55-2	342417	336995	339052	339488	0.81	cps
Molybdenum	94-1	42055294	43448886	43077044	42860408	1.68	cps
Molybdenum	95-1	72307779	75625767	75344696	74426081	2.47	cps
Molybdenum	96-1	77239584	80156170	79622619	79006124	1.97	cps
Molybdenum	97-1	44612216	46716249	46528859	45952442	2.53	cps
Molybdenum	98-1	115954318	121222825	121058045	119411729	2.51	cps
Neodymium	150-1	33	27	37	32	15.80	cps
Neodymium	150-2	13	17	13	14	13.35	cps
Nickel	60-2	1177	1137	1063	1126	5.11	cps
Phosphorus	31-2	60881	60540	60141	60520	0.61	cps
Potassium	39-2	304437062	310585049	304949562	306657224	1.11	cps
Rhodium	103-1	5430686	5478426	5416843	5441985	0.59	cps
Rhodium	103-2	3573513	3656308	3481612	3570478	2.45	cps
Scandium	45-1	3668431	3711398	3754869	3711566	1.16	cps
Scandium	45-2	309879	305254	305420	306851	0.86	cps
Selenium	82-1	3827	4461	4541	4276	9.16	cps
Selenium	77-2	493	543	517	518	4.83	cps
Selenium	78-2	2150	2127	2217	2165	2.16	cps
Silicon	28-1	15215038	17053081	17868679	16712266	8.13	cps
Silver	107-1	650	747	740	712	7.58	cps
Silver	109-1	607	703	833	714	15.92	cps
Sodium	23-2	184876204	186196157	181706611	184259657	1.25	cps
Strontium	86-1	64956	67196	68144	66765	2.45	cps
Strontium	88-1	560890	585081	584910	576961	2.41	cps
Sulfur	34-1	319297	320497	320706	320167	0.24	cps
Terbium	159-1	6517722	6558487	6754181	6610130	1.91	cps
Terbium	159-2	5481701	5395064	5242350	5373038	2.26	cps
Thallium	203-1	930	1110	1067	1036	9.07	cps
Thallium	205-1	2217	2437	2604	2419	8.02	cps
Tin	118-1	4771	5631	5658	5353	9.43	cps
Titanium	47-1	2667	2730	2550	2649	3.45	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-04DLX5	Instrumnet Name :	P7
Client Sample ID :	4044DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 15:59:27	DataFile Name :	066SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	103	130	103	112	13.72	cps
Vanadium	51-2	6708	6565	6815	6696	1.87	cps
Yttrium	89-1	8711120	8910233	8760515	8793956	1.18	cps
Yttrium	89-2	2638788	2583720	2556431	2592980	1.62	cps
Zinc	66-2	155892	157050	154680	155874	0.76	cps
Zirconium	90-1	1703	1467	1660	1610	7.83	cps
Zirconium	91-1	407	353	393	384	7.22	cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2739-01DLX5	Instrumnet Name :	P7
Client Sample ID :	50743DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 16:02:38	DataFile Name :	067SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	110844	110126	109238	110069	0.73	cps
Antimony	121-1	3400	3464	3300	3388	2.43	cps
Arsenic	75-2	5051	5401	5611	5354	5.29	cps
Barium	135-1	104283	107550	103369	105067	2.09	cps
Barium	137-1	178552	179506	177141	178400	0.67	cps
Beryllium	9-1	15	12	26	18	41.06	cps
Bismuth	209-1	5177547	4988699	5078170	5081472	1.86	cps
Bismuth	209-2	5093550	4985327	4907470	4995449	1.87	cps
Bromine	81-1	290325	294330	270823	285159	4.41	cps
Bromine	81-2	44413	42033	40990	42479	4.13	cps
Cadmium	108-1	47	30	17	31	48.31	cps
Cadmium	106-1	2570	2487	2550	2536	1.72	cps
Cadmium	111-1	1933	1910	1920	1921	0.61	cps
Calcium	43-1	88094	86512	87581	87396	0.92	cps
Calcium	44-1	1761349	1789621	1790949	1780639	0.94	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	36411	36180	36053	36215	0.50	cps
Cobalt	59-2	7892	7815	7442	7717	3.12	cps
Copper	63-2	36177	35950	37150	36426	1.75	cps
Dysprosium	156-1	293	327	237	286	15.93	cps
Dysprosium	156-2	237	260	260	252	5.34	cps
Erbium	164-1	303	323	363	330	9.26	cps
Erbium	164-2	320	253	310	294	12.21	cps
Gadolinium	160-1	363	350	427	380	10.78	cps
Gadolinium	160-2	607	577	517	567	8.09	cps
Holmium	165-1	8749726	8773612	8753996	8759112	0.15	cps
Holmium	165-2	7161588	7272973	7032131	7155564	1.68	cps
Indium	115-1	7434741	7588669	7478608	7500673	1.06	cps
Indium	115-2	2939171	2982339	2975247	2965586	0.78	cps
Iron	56-2	773934202	788032922	790937455	784301526	1.16	cps
Iron	57-2	19645752	19862697	19521332	19676594	0.88	cps
Iron	54-2	44114719	43581381	43890888	43862329	0.61	cps
Krypton	83-1	507	513	510	510	0.65	cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2739-01DLX5	Instrumnet Name :	P7
Client Sample ID :	50743DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 16:02:38	DataFile Name :	067SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	74072	74631	73840	74181	0.55	cps
Lead	207-1	59839	59822	60291	59984	0.44	cps
Lead	208-1	286129	277979	282480	282196	1.45	cps
Lithium	6-1	614082	607408	602790	608094	0.93	cps
Magnesium	24-2	362810	362404	365147	363454	0.41	cps
Manganese	55-2	3856961	3916238	3852659	3875286	0.92	cps
Molybdenum	94-1	6431	5831	6078	6114	4.93	cps
Molybdenum	95-1	7439	7072	6632	7047	5.73	cps
Molybdenum	96-1	12402	12038	11668	12036	3.05	cps
Molybdenum	97-1	4794	4417	4281	4497	5.91	cps
Molybdenum	98-1	11515	11074	10267	10952	5.78	cps
Neodymium	150-1	460	393	453	436	8.43	cps
Neodymium	150-2	313	490	287	363	30.42	cps
Nickel	60-2	5998	5845	5878	5907	1.37	cps
Phosphorus	31-2	15691	15054	15024	15257	2.47	cps
Potassium	39-2	66396682	66008697	65991372	66132251	0.35	cps
Rhodium	103-1	7245559	7376392	7436044	7352665	1.33	cps
Rhodium	103-2	4870685	4780030	4784504	4811740	1.06	cps
Scandium	45-1	4860854	4901733	4897150	4886579	0.46	cps
Scandium	45-2	402513	395099	395760	397791	1.03	cps
Selenium	82-1	3047	3285	3324	3218	4.66	cps
Selenium	77-2	360	367	387	371	3.74	cps
Selenium	78-2	1723	1730	1890	1781	5.30	cps
Silicon	28-1	8361964	8900470	8860834	8707756	3.45	cps
Silver	107-1	270	323	287	293	9.30	cps
Silver	109-1	250	240	283	258	8.80	cps
Sodium	23-2	6627942	6537918	6702105	6622655	1.24	cps
Strontium	86-1	95494	96736	94216	95482	1.32	cps
Strontium	88-1	836146	825726	838979	833617	0.84	cps
Sulfur	34-1	203598	207026	208023	206215	1.13	cps
Terbium	159-1	8667407	8686334	8564565	8639435	0.76	cps
Terbium	159-2	7030841	6942439	7068357	7013879	0.92	cps
Thallium	203-1	503	523	607	544	10.07	cps
Thallium	205-1	1313	1460	1303	1359	6.45	cps
Tin	118-1	6388	6351	6385	6375	0.32	cps
Titanium	47-1	10200	9757	9667	9875	2.89	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2739-01DLX5	Instrumnet Name :	P7
Client Sample ID :	50743DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 16:02:38	DataFile Name :	067SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	397	360	473	410	14.11	cps
Vanadium	51-2	4054	4231	4174	4153	2.17	cps
Yttrium	89-1	11898976	11779906	11721170	11800018	0.77	cps
Yttrium	89-2	3428865	3412824	3455062	3432250	0.62	cps
Zinc	66-2	122486	123184	125378	123683	1.22	cps
Zirconium	90-1	5228	5054	5258	5180	2.12	cps
Zirconium	91-1	1147	1137	1200	1161	2.93	cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCV04	Instrumnet Name :	P7
Client Sample ID :	CCV04	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 16:05:52	DataFile Name :	068CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	9661195	9675330	9605783	9647436	0.38	cps
Antimony	121-1	3308190	3401583	3414698	3374824	1.72	cps
Arsenic	75-2	205362	203879	199552	202931	1.49	cps
Barium	135-1	4009280	4154322	4049317	4070973	1.84	cps
Barium	137-1	6886454	6969017	7188090	7014520	2.22	cps
Beryllium	9-1	436206	448350	443452	442669	1.38	cps
Bismuth	209-1	4445027	4479408	4542739	4489058	1.10	cps
Bismuth	209-2	4362590	4388980	4339822	4363798	0.56	cps
Bromine	81-1	33218	31340	29473	31343	5.97	cps
Bromine	81-2	3597	3317	3127	3347	7.07	cps
Cadmium	108-1	56450	58026	57102	57192	1.38	cps
Cadmium	106-1	80378	81390	80519	80762	0.68	cps
Cadmium	111-1	774118	793453	790505	786026	1.33	cps
Calcium	43-1	5265526	5325367	5343252	5311382	0.77	cps
Calcium	44-1	84350025	85504529	87438265	85764273	1.82	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1807387	1806868	1780620	1798292	0.85	cps
Cobalt	59-2	2712410	2771009	2745634	2743018	1.07	cps
Copper	63-2	20929674	21219487	20842258	20997140	0.94	cps
Dysprosium	156-1	173	147	167	162	8.56	cps
Dysprosium	156-2	260	303	277	280	7.81	cps
Erbium	164-1	357	360	340	352	3.04	cps
Erbium	164-2	307	277	263	282	7.86	cps
Gadolinium	160-1	157	247	190	198	23.01	cps
Gadolinium	160-2	507	520	387	471	15.59	cps
Holmium	165-1	7950605	7862591	8021977	7945058	1.00	cps
Holmium	165-2	6640196	6714198	6779394	6711262	1.04	cps
Indium	115-1	6744545	6834526	6785000	6788024	0.66	cps
Indium	115-2	2677404	2720224	2705553	2701060	0.81	cps
Iron	56-2	428077887	424189060	412255181	421507376	1.96	cps
Iron	57-2	10463370	10545176	10355249	10454598	0.91	cps
Iron	54-2	23347178	23403055	23197269	23315834	0.46	cps
Krypton	83-1	597	543	460	533	12.92	cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCV04	Instrumnet Name :	P7
Client Sample ID :	CCV04	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 16:05:52	DataFile Name :	068CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	11705255	11862863	11904160	11824093	0.89	cps
Lead	207-1	9946486	9883186	10167364	9999012	1.49	cps
Lead	208-1	45362740	45787616	46315610	45821989	1.04	cps
Lithium	6-1	549809	555283	551311	552134	0.51	cps
Magnesium	24-2	81959712	84694832	81552589	82735711	2.07	cps
Manganese	55-2	15464401	15481194	15036679	15327425	1.64	cps
Molybdenum	94-1	13177679	13373616	13549524	13366940	1.39	cps
Molybdenum	95-1	19043819	19406251	18982668	19144246	1.20	cps
Molybdenum	96-1	20320665	21035228	20373183	20576359	1.94	cps
Molybdenum	97-1	11619991	12004048	11779122	11801054	1.64	cps
Molybdenum	98-1	29744337	31124022	30013135	30293831	2.41	cps
Neodymium	150-1	150	197	173	173	13.46	cps
Neodymium	150-2	57	47	73	59	22.87	cps
Nickel	60-2	606499	603420	592471	600796	1.23	cps
Phosphorus	31-2	93467	92774	91590	92610	1.03	cps
Potassium	39-2	49906468	49766649	49220234	49631117	0.73	cps
Rhodium	103-1	6654871	6825970	6648327	6709723	1.50	cps
Rhodium	103-2	4317210	4332264	4281155	4310210	0.61	cps
Scandium	45-1	4665499	4605014	4664308	4644940	0.74	cps
Scandium	45-2	373159	376032	371324	373505	0.64	cps
Selenium	82-1	63585	63268	64076	63643	0.64	cps
Selenium	77-2	7672	7425	7245	7448	2.88	cps
Selenium	78-2	24414	24838	25071	24774	1.35	cps
Silicon	28-1	7238223	7300190	7345172	7294528	0.74	cps
Silver	107-1	4710241	4751513	4620621	4694125	1.43	cps
Silver	109-1	4317335	4446085	4424907	4396109	1.57	cps
Sodium	23-2	127452198	127227301	126773685	127151061	0.27	cps
Strontium	86-1	1019549	1043783	1032094	1031809	1.17	cps
Strontium	88-1	10630116	10782064	10885583	10765921	1.19	cps
Sulfur	34-1	440889	440653	434579	438707	0.82	cps
Terbium	159-1	8104716	8226523	8127117	8152786	0.80	cps
Terbium	159-2	6495077	6540461	6370435	6468658	1.36	cps
Thallium	203-1	2865245	2930712	2969006	2921654	1.80	cps
Thallium	205-1	6846522	7063386	7044568	6984825	1.72	cps
Tin	118-1	2789014	2886559	2896346	2857306	2.08	cps
Titanium	47-1	5197460	5221361	5282652	5233824	0.84	cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCV04	Instrumnet Name :	P7
Client Sample ID :	CCV04	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 16:05:52	DataFile Name :	068CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8250841	8611713	8563790	8475448	2.31	cps
Vanadium	51-2	1559223	1579255	1486837	1541772	3.15	cps
Yttrium	89-1	11102428	11278343	11080290	11153687	0.97	cps
Yttrium	89-2	3247782	3264231	3205055	3239023	0.94	cps
Zinc	66-2	3908714	3908628	3807125	3874822	1.51	cps
Zirconium	90-1	6588612	6705882	6503982	6599492	1.54	cps
Zirconium	91-1	1415165	1451450	1442659	1436424	1.32	cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCB04	Instrumnet Name :	P7
Client Sample ID :	CCB04	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 16:08:36	DataFile Name :	069CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	407	523	420	450	14.19	cps
Antimony	121-1	917	973	1000	963	4.42	cps
Arsenic	75-2	157	177	130	154	15.16	cps
Barium	135-1	47	60	40	49	20.83	cps
Barium	137-1	73	130	63	89	40.45	cps
Beryllium	9-1	11	17	7	12	42.94	cps
Bismuth	209-1	4575955	4598495	4624281	4599577	0.53	cps
Bismuth	209-2	4547047	4643365	4520387	4570267	1.42	cps
Bromine	81-1	17944	17350	16850	17381	3.15	cps
Bromine	81-2	1410	1397	1410	1406	0.55	cps
Cadmium	108-1	7	10	17	11	45.82	cps
Cadmium	106-1	2020	2210	2334	2188	7.22	cps
Cadmium	111-1	1456	1613	1658	1576	6.74	cps
Calcium	43-1	290	373	323	329	12.75	cps
Calcium	44-1	57733	56602	57562	57299	1.06	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2300	2380	2307	2329	1.91	cps
Cobalt	59-2	50	83	100	78	32.73	cps
Copper	63-2	1163	1273	1110	1182	7.05	cps
Dysprosium	156-1	13	3	3	7	86.65	cps
Dysprosium	156-2	0	7	0	2	173.21	cps
Erbium	164-1	53	60	60	58	6.67	cps
Erbium	164-2	43	53	30	42	27.72	cps
Gadolinium	160-1	33	33	33	33	0.00	cps
Gadolinium	160-2	387	310	340	346	11.18	cps
Holmium	165-1	7787826	7635284	7672533	7698548	1.03	cps
Holmium	165-2	6426423	6216711	6274587	6305907	1.72	cps
Indium	115-1	6872735	6645847	6675952	6731511	1.83	cps
Indium	115-2	2680611	2642508	2690713	2671277	0.95	cps
Iron	56-2	32689	28090	26994	29258	10.33	cps
Iron	57-2	1557	1517	1463	1512	3.10	cps
Iron	54-2	3440	3044	2857	3114	9.57	cps
Krypton	83-1	513	450	483	482	6.57	cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCB04	Instrumnet Name :	P7
Client Sample ID :	CCB04	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 16:08:36	DataFile Name :	069CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	667	610	590	622	6.39	cps
Lead	207-1	517	507	503	509	1.36	cps
Lead	208-1	2450	2453	2427	2443	0.59	cps
Lithium	6-1	541258	533542	540566	538455	0.79	cps
Magnesium	24-2	1107	857	890	951	14.27	cps
Manganese	55-2	6882	6768	7118	6923	2.58	cps
Molybdenum	94-1	887	800	820	836	5.43	cps
Molybdenum	95-1	943	890	853	896	5.05	cps
Molybdenum	96-1	1097	1037	973	1036	5.96	cps
Molybdenum	97-1	627	680	470	592	18.43	cps
Molybdenum	98-1	1453	1463	1290	1402	6.94	cps
Neodymium	150-1	3	3	3	3	0.00	cps
Neodymium	150-2	3	3	0	2	86.60	cps
Nickel	60-2	573	577	647	599	6.92	cps
Phosphorus	31-2	607	600	593	600	1.11	cps
Potassium	39-2	90866	90074	89437	90126	0.79	cps
Rhodium	103-1	6776212	6870008	6820548	6822256	0.69	cps
Rhodium	103-2	4373881	4337159	4408655	4373232	0.82	cps
Scandium	45-1	4324846	4339267	4412252	4358788	1.08	cps
Scandium	45-2	353792	357011	353897	354900	0.52	cps
Selenium	82-1	758	848	761	789	6.43	cps
Selenium	77-2	43	47	70	53	27.24	cps
Selenium	78-2	623	727	737	696	9.02	cps
Silicon	28-1	1492941	1481432	1440584	1471652	1.87	cps
Silver	107-1	443	393	313	383	17.11	cps
Silver	109-1	370	353	223	316	25.45	cps
Sodium	23-2	58564	58206	56935	57902	1.48	cps
Strontium	86-1	783	907	747	812	10.32	cps
Strontium	88-1	273	313	260	282	9.83	cps
Sulfur	34-1	165795	166290	167193	166426	0.43	cps
Terbium	159-1	7793093	7846120	8026435	7888549	1.55	cps
Terbium	159-2	6341556	6290764	6259876	6297399	0.65	cps
Thallium	203-1	463	437	360	420	12.77	cps
Thallium	205-1	1003	923	863	930	7.55	cps
Tin	118-1	2067	2144	1860	2024	7.24	cps
Titanium	47-1	113	97	133	114	16.04	cps

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LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCB04	Instrumnet Name :	P7
Client Sample ID :	CCB04	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 16:08:36	DataFile Name :	069CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	147	90	110	116	24.87	cps
Vanadium	51-2	43	40	27	37	24.04	cps
Yttrium	89-1	10554371	10613988	10495765	10554708	0.56	cps
Yttrium	89-2	3066797	3132690	3173413	3124300	1.72	cps
Zinc	66-2	777	737	763	759	2.68	cps
Zirconium	90-1	927	940	993	953	3.70	cps
Zirconium	91-1	183	193	200	192	4.36	cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-03A	Instrumnet Name :	P7
Client Sample ID :	4043A	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 16:13:09	DataFile Name :	070SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	595052	585292	587320	589222	0.87	cps
Antimony	121-1	44856	45151	45365	45124	0.57	cps
Arsenic	75-2	5298	5058	5231	5195	2.39	cps
Barium	135-1	124738	125054	125274	125022	0.22	cps
Barium	137-1	217450	217601	215155	216736	0.63	cps
Beryllium	9-1	247	260	266	258	3.85	cps
Bismuth	209-1	4880955	4957418	4981519	4939964	1.06	cps
Bismuth	209-2	4868613	4714626	4713710	4765650	1.87	cps
Bromine	81-1	27432	31006	33054	30497	9.33	cps
Bromine	81-2	5348	5354	5558	5420	2.20	cps
Cadmium	108-1	283	307	293	294	3.98	cps
Cadmium	106-1	2544	2690	2737	2657	3.80	cps
Cadmium	111-1	4656	4806	4801	4754	1.79	cps
Calcium	43-1	532941	538941	535102	535662	0.57	cps
Calcium	44-1	9987532	9988760	9784520	9920271	1.19	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	58182	57764	57881	57942	0.37	cps
Cobalt	59-2	16739	16840	17137	16905	1.22	cps
Copper	63-2	570404	569872	570229	570168	0.05	cps
Dysprosium	156-1	4087	4157	3907	4051	3.19	cps
Dysprosium	156-2	3987	4184	3954	4042	3.08	cps
Erbium	164-1	3987	4197	4054	4080	2.63	cps
Erbium	164-2	3467	3247	3210	3308	4.20	cps
Gadolinium	160-1	4114	4127	4324	4188	2.81	cps
Gadolinium	160-2	3844	3844	3637	3775	3.16	cps
Holmium	165-1	8313489	8171870	8298505	8261288	0.94	cps
Holmium	165-2	6809342	6811477	6660631	6760483	1.28	cps
Indium	115-1	7080671	7130892	7074625	7095396	0.44	cps
Indium	115-2	2874715	2855014	2863226	2864318	0.35	cps
Iron	56-2	57466724	57589427	56511999	57189384	1.03	cps
Iron	57-2	1410955	1419493	1389229	1406559	1.11	cps
Iron	54-2	3226936	3195810	3180491	3201079	0.74	cps
Krypton	83-1	483	413	437	444	8.02	cps

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LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-03A	Instrumnet Name :	P7
Client Sample ID :	4043A	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 16:13:09	DataFile Name :	070SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	6177023	6212347	6195656	6195009	0.29	cps
Lead	207-1	4953672	4947921	4985741	4962445	0.41	cps
Lead	208-1	23567316	23255145	23384334	23402265	0.67	cps
Lithium	6-1	580346	577312	580223	579294	0.30	cps
Magnesium	24-2	2845605	2780188	2692715	2772836	2.77	cps
Manganese	55-2	550700	546675	549531	548969	0.38	cps
Molybdenum	94-1	53323	54377	54010	53904	0.99	cps
Molybdenum	95-1	79743	79706	79947	79798	0.16	cps
Molybdenum	96-1	85006	86249	85263	85506	0.77	cps
Molybdenum	97-1	50035	49718	49838	49864	0.32	cps
Molybdenum	98-1	127277	127963	126785	127341	0.46	cps
Neodymium	150-1	6658	6782	6815	6752	1.22	cps
Neodymium	150-2	4527	4808	4701	4679	3.02	cps
Nickel	60-2	21659	21783	21960	21800	0.69	cps
Phosphorus	31-2	6768	6768	6408	6648	3.13	cps
Potassium	39-2	6764669	6637730	6588277	6663559	1.37	cps
Rhodium	103-1	7189660	7268736	7268086	7242161	0.63	cps
Rhodium	103-2	4689778	4551927	4500205	4580637	2.14	cps
Scandium	45-1	4730524	4738007	4692742	4720424	0.51	cps
Scandium	45-2	378877	377552	379791	378740	0.30	cps
Selenium	82-1	855	924	883	887	3.90	cps
Selenium	77-2	80	117	57	84	35.82	cps
Selenium	78-2	683	777	727	729	6.41	cps
Silicon	28-1	59294459	59874501	59044129	59404363	0.72	cps
Silver	107-1	2680	2687	2417	2595	5.94	cps
Silver	109-1	2304	2320	2167	2264	3.72	cps
Sodium	23-2	28697188	28308065	27763100	28256118	1.66	cps
Strontium	86-1	454663	451642	447589	451298	0.79	cps
Strontium	88-1	4680242	4727329	4666151	4691241	0.68	cps
Sulfur	34-1	621313	617926	612560	617267	0.71	cps
Terbium	159-1	8505925	8344442	8428019	8426129	0.96	cps
Terbium	159-2	6791284	6638777	6666417	6698826	1.21	cps
Thallium	203-1	547	550	573	557	2.61	cps
Thallium	205-1	1220	1300	1330	1283	4.43	cps
Tin	118-1	23479	23286	23202	23322	0.61	cps
Titanium	47-1	120197	120811	119132	120047	0.71	cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-03A	Instrumnet Name :	P7
Client Sample ID :	4043A	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 16:13:09	DataFile Name :	070SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	4041	4017	3931	3996	1.45	cps
Vanadium	51-2	35458	35552	35692	35568	0.33	cps
Yttrium	89-1	11481156	11593689	11621891	11565579	0.64	cps
Yttrium	89-2	3185851	3313333	3235181	3244788	1.98	cps
Zinc	66-2	616571	619442	613407	616473	0.49	cps
Zirconium	90-1	24454	23045	23145	23548	3.34	cps
Zirconium	91-1	5141	4701	5021	4954	4.59	cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-03DUP	Instrumnet Name :	P7
Client Sample ID :	4043DUP	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 16:16:14	DataFile Name :	071SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	392136	399694	391105	394312	1.19	cps
Antimony	121-1	43215	44128	44355	43899	1.37	cps
Arsenic	75-2	4981	4984	4734	4900	2.93	cps
Barium	135-1	117870	120660	119809	119447	1.20	cps
Barium	137-1	208022	209370	211269	209553	0.78	cps
Beryllium	9-1	179	212	208	200	8.87	cps
Bismuth	209-1	4907615	4990697	4866720	4921677	1.28	cps
Bismuth	209-2	4873400	4843202	4729090	4815231	1.58	cps
Bromine	81-1	34942	41311	44581	40278	12.17	cps
Bromine	81-2	7825	8116	8086	8009	1.99	cps
Cadmium	108-1	287	293	243	274	9.89	cps
Cadmium	106-1	2784	2657	2717	2719	2.33	cps
Cadmium	111-1	4862	4822	4845	4843	0.42	cps
Calcium	43-1	530009	527246	531240	529498	0.39	cps
Calcium	44-1	9745049	10124462	9647738	9839083	2.56	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	53478	51926	52805	52736	1.48	cps
Cobalt	59-2	16259	15748	15979	15995	1.60	cps
Copper	63-2	569096	574314	570374	571261	0.48	cps
Dysprosium	156-1	3837	3941	3871	3883	1.36	cps
Dysprosium	156-2	3947	3731	4001	3893	3.67	cps
Erbium	164-1	3844	3927	3661	3811	3.58	cps
Erbium	164-2	3370	3334	3020	3242	5.94	cps
Gadolinium	160-1	3824	4101	4047	3991	3.68	cps
Gadolinium	160-2	3734	3734	3594	3687	2.19	cps
Holmium	165-1	8465707	8378970	8517634	8454104	0.83	cps
Holmium	165-2	7011848	6996445	6891408	6966567	0.94	cps
Indium	115-1	7334241	7170547	7221855	7242214	1.16	cps
Indium	115-2	2921977	2893496	2864546	2893340	0.99	cps
Iron	56-2	54371311	53385768	55447341	54401473	1.90	cps
Iron	57-2	1353042	1350155	1180915	1294704	7.61	cps
Iron	54-2	3108138	3005343	2981794	3031758	2.22	cps
Krypton	83-1	463	507	393	454	12.58	cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-03DUP	Instrumnet Name :	P7
Client Sample ID :	4043DUP	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 16:16:14	DataFile Name :	071SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	6130629	6215689	6079326	6141881	1.12	cps
Lead	207-1	5012606	4917090	5094522	5008073	1.77	cps
Lead	208-1	23100328	23289779	23444589	23278232	0.74	cps
Lithium	6-1	582321	578349	577696	579456	0.43	cps
Magnesium	24-2	2645231	2709632	2595950	2650271	2.15	cps
Manganese	55-2	578701	578808	571026	576178	0.77	cps
Molybdenum	94-1	20695	21860	21119	21224	2.78	cps
Molybdenum	95-1	29744	29727	30098	29856	0.70	cps
Molybdenum	96-1	32379	31838	32550	32256	1.15	cps
Molybdenum	97-1	18509	18672	18622	18601	0.45	cps
Molybdenum	98-1	47096	47223	47510	47276	0.45	cps
Neodymium	150-1	6548	6638	6488	6558	1.15	cps
Neodymium	150-2	4514	4497	4631	4547	1.60	cps
Nickel	60-2	21222	21556	21586	21454	0.94	cps
Phosphorus	31-2	6682	6528	6425	6545	1.97	cps
Potassium	39-2	6583081	6382002	6521224	6495436	1.59	cps
Rhodium	103-1	7287772	7276982	7161992	7242248	0.96	cps
Rhodium	103-2	4747747	4605931	4677848	4677175	1.52	cps
Scandium	45-1	4735162	4725927	4815827	4758972	1.04	cps
Scandium	45-2	385646	387306	382471	385141	0.64	cps
Selenium	82-1	859	719	828	802	9.14	cps
Selenium	77-2	60	97	77	78	23.61	cps
Selenium	78-2	660	643	717	673	5.71	cps
Silicon	28-1	42028968	45890168	44814249	44244462	4.50	cps
Silver	107-1	2534	2667	2850	2684	5.93	cps
Silver	109-1	2580	2437	2460	2492	3.09	cps
Sodium	23-2	27432130	27633755	27098602	27388163	0.99	cps
Strontium	86-1	436522	446812	436661	439998	1.34	cps
Strontium	88-1	4538174	4605190	4637130	4593498	1.10	cps
Sulfur	34-1	608075	616617	608953	611215	0.77	cps
Terbium	159-1	8465629	8523312	8384287	8457743	0.83	cps
Terbium	159-2	6922235	6759044	6818661	6833313	1.21	cps
Thallium	203-1	483	437	457	459	5.10	cps
Thallium	205-1	1027	1207	1180	1138	8.54	cps
Tin	118-1	40671	41507	42061	41413	1.69	cps
Titanium	47-1	90206	84846	85430	86827	3.39	cps

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LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-03DUP	Instrumnet Name :	P7
Client Sample ID :	4043DUP	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 16:16:14	DataFile Name :	071SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	3884	3771	4167	3941	5.19	cps
Vanadium	51-2	26417	27104	26250	26590	1.70	cps
Yttrium	89-1	11717030	11690979	11561557	11656522	0.71	cps
Yttrium	89-2	3394060	3322299	3293297	3336552	1.55	cps
Zinc	66-2	620426	614356	607690	614157	1.04	cps
Zirconium	90-1	10996	10447	11215	10886	3.63	cps
Zirconium	91-1	2140	2544	2570	2418	9.97	cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-03LX5	Instrumnet Name :	P7
Client Sample ID :	4043L	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 16:19:23	DataFile Name :	072SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	112017	111207	110663	111295	0.61	cps
Antimony	121-1	8403	8556	8322	8427	1.41	cps
Arsenic	75-2	967	893	943	934	4.01	cps
Barium	135-1	22728	22825	23443	22999	1.69	cps
Barium	137-1	39876	40946	39191	40004	2.21	cps
Beryllium	9-1	41	64	30	45	38.13	cps
Bismuth	209-1	4689048	4662845	4615810	4655901	0.80	cps
Bismuth	209-2	4632335	4484799	4558369	4558501	1.62	cps
Bromine	81-1	17741	17737	17284	17587	1.50	cps
Bromine	81-2	1630	1527	1630	1596	3.74	cps
Cadmium	108-1	80	57	77	71	17.74	cps
Cadmium	106-1	2334	2180	2177	2230	4.01	cps
Cadmium	111-1	2224	2046	2043	2105	4.92	cps
Calcium	43-1	98364	98017	97438	97939	0.48	cps
Calcium	44-1	1877382	1921905	1873479	1890922	1.42	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	12615	12615	12155	12462	2.13	cps
Cobalt	59-2	3117	2874	3007	2999	4.06	cps
Copper	63-2	107201	108732	108853	108262	0.85	cps
Dysprosium	156-1	720	777	743	747	3.81	cps
Dysprosium	156-2	847	730	713	763	9.52	cps
Erbium	164-1	760	710	697	722	4.62	cps
Erbium	164-2	710	590	540	613	14.25	cps
Gadolinium	160-1	797	787	830	804	2.82	cps
Gadolinium	160-2	953	983	933	957	2.63	cps
Holmium	165-1	7709268	7672305	7585263	7655612	0.83	cps
Holmium	165-2	6431456	6279657	6308156	6339756	1.27	cps
Indium	115-1	6730185	6625130	6686854	6680723	0.79	cps
Indium	115-2	2683884	2649355	2704992	2679410	1.05	cps
Iron	56-2	10604366	10504403	10495295	10534688	0.57	cps
Iron	57-2	233018	231979	234260	233086	0.49	cps
Iron	54-2	519563	512179	513249	514997	0.77	cps
Krypton	83-1	480	520	477	492	4.90	cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-03LX5	Instrumnet Name :	P7
Client Sample ID :	4043L	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 16:19:23	DataFile Name :	072SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	898663	905988	901409	902020	0.41	cps
Lead	207-1	713212	715782	712187	713727	0.26	cps
Lead	208-1	3853548	3859231	3884417	3865732	0.43	cps
Lithium	6-1	536153	528150	535069	533124	0.81	cps
Magnesium	24-2	426048	424348	428003	426133	0.43	cps
Manganese	55-2	107343	107051	107653	107349	0.28	cps
Molybdenum	94-1	10027	10247	10384	10219	1.76	cps
Molybdenum	95-1	14521	14547	15055	14707	2.05	cps
Molybdenum	96-1	16082	15935	16032	16017	0.47	cps
Molybdenum	97-1	9323	9450	9113	9295	1.83	cps
Molybdenum	98-1	23786	23863	23135	23595	1.69	cps
Neodymium	150-1	1223	1287	1187	1232	4.11	cps
Neodymium	150-2	853	737	847	812	8.07	cps
Nickel	60-2	4757	4611	4511	4626	2.68	cps
Phosphorus	31-2	1693	1727	1637	1686	2.70	cps
Potassium	39-2	1300964	1286484	1304598	1297348	0.74	cps
Rhodium	103-1	6728736	6698681	6770633	6732683	0.54	cps
Rhodium	103-2	4378320	4294367	4467255	4379981	1.97	cps
Scandium	45-1	4273205	4390796	4273752	4312584	1.57	cps
Scandium	45-2	355728	353001	356491	355073	0.52	cps
Selenium	82-1	542	422	564	509	15.02	cps
Selenium	77-2	37	23	33	31	22.31	cps
Selenium	78-2	583	503	497	528	9.14	cps
Silicon	28-1	12136026	12141439	12148798	12142088	0.05	cps
Silver	107-1	540	520	520	527	2.19	cps
Silver	109-1	493	473	453	473	4.23	cps
Sodium	23-2	5180556	5164708	5163523	5169596	0.18	cps
Strontium	86-1	82691	83210	82805	82902	0.33	cps
Strontium	88-1	709528	720241	719396	716388	0.83	cps
Sulfur	34-1	247825	246240	246118	246728	0.39	cps
Terbium	159-1	7818855	7861836	7814217	7831636	0.34	cps
Terbium	159-2	6351433	6410956	6165953	6309447	2.03	cps
Thallium	203-1	220	190	190	200	8.66	cps
Thallium	205-1	457	500	460	472	5.11	cps
Tin	118-1	5985	5785	5788	5852	1.96	cps
Titanium	47-1	21419	27277	21385	23360	14.52	cps

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LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-03LX5	Instrumnet Name :	P7
Client Sample ID :	4043L	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 16:19:23	DataFile Name :	072SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	800	777	747	774	3.45	cps
Vanadium	51-2	6765	6612	6672	6683	1.16	cps
Yttrium	89-1	10546383	10620085	10557615	10574694	0.38	cps
Yttrium	89-2	3105270	3147606	3082561	3111813	1.06	cps
Zinc	66-2	115316	113642	115127	114695	0.80	cps
Zirconium	90-1	4654	4584	4831	4690	2.71	cps
Zirconium	91-1	997	960	1053	1003	4.69	cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-03MS	Instrumnet Name :	P7
Client Sample ID :	4043MS	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 16:22:36	DataFile Name :	073SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2032214	2102796	2109020	2081343	2.05	cps
Antimony	121-1	3410436	3363439	3341835	3371903	1.04	cps
Arsenic	75-2	4561	4417	4474	4484	1.61	cps
Barium	135-1	3703591	3684742	3637850	3675394	0.92	cps
Barium	137-1	6309273	6420873	6330793	6353646	0.93	cps
Beryllium	9-1	429585	436863	434087	433512	0.85	cps
Bismuth	209-1	4894420	4915753	4760245	4856806	1.74	cps
Bismuth	209-2	4722701	4638870	4724053	4695208	1.04	cps
Bromine	81-1	32099	38206	42899	37734	14.35	cps
Bromine	81-2	7082	7559	7085	7242	3.79	cps
Cadmium	108-1	55476	55536	54459	55157	1.10	cps
Cadmium	106-1	80867	80187	80196	80417	0.48	cps
Cadmium	111-1	776979	788768	781592	782446	0.76	cps
Calcium	43-1	1549880	1596929	1559485	1568765	1.58	cps
Calcium	44-1	24747466	25402915	24893042	25014474	1.38	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1715121	1734345	1743572	1731013	0.84	cps
Cobalt	59-2	2744235	2758931	2708625	2737264	0.95	cps
Copper	63-2	20660020	19809450	19703129	20057533	2.61	cps
Dysprosium	156-1	3460	3624	3724	3603	3.69	cps
Dysprosium	156-2	3744	3707	3754	3735	0.66	cps
Erbium	164-1	3721	3621	3764	3702	1.99	cps
Erbium	164-2	2927	3010	2787	2908	3.88	cps
Gadolinium	160-1	3784	3674	3841	3766	2.25	cps
Gadolinium	160-2	3397	3590	3377	3455	3.41	cps
Holmium	165-1	8530349	8448950	8254107	8411136	1.69	cps
Holmium	165-2	6982014	6850613	6846152	6892926	1.12	cps
Indium	115-1	7126346	7024971	7087490	7079603	0.72	cps
Indium	115-2	2790481	2809100	2774442	2791341	0.62	cps
Iron	56-2	116015792	118933642	120503388	118484274	1.92	cps
Iron	57-2	2994393	2965258	2965580	2975077	0.56	cps
Iron	54-2	6494247	6672407	6548786	6571813	1.39	cps
Krypton	83-1	513	487	503	501	2.69	cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-03MS	Instrumnet Name :	P7
Client Sample ID :	4043MS	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 16:22:36	DataFile Name :	073SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	17350737	17893496	17774512	17672915	1.61	cps
Lead	207-1	14722494	14628573	14733093	14694720	0.39	cps
Lead	208-1	67188477	67717463	68071671	67659204	0.66	cps
Lithium	6-1	578468	583344	580117	580643	0.43	cps
Magnesium	24-2	18366808	18623997	18172173	18387660	1.23	cps
Manganese	55-2	13741502	14382961	13992570	14039011	2.30	cps
Molybdenum	94-1	6185980	6099414	6207022	6164138	0.93	cps
Molybdenum	95-1	6670320	6713491	6752909	6712240	0.62	cps
Molybdenum	96-1	7371023	7376964	7326054	7358014	0.38	cps
Molybdenum	97-1	4162592	4151202	4127437	4147077	0.43	cps
Molybdenum	98-1	10434324	10612814	10669331	10572156	1.16	cps
Neodymium	150-1	6008	6098	5971	6026	1.08	cps
Neodymium	150-2	4117	3904	3887	3969	3.23	cps
Nickel	60-2	614275	610227	599180	607894	1.29	cps
Phosphorus	31-2	5691	5738	5714	5714	0.41	cps
Potassium	39-2	14373198	13808605	13899521	14027108	2.16	cps
Rhodium	103-1	7251138	7032036	7148324	7143833	1.53	cps
Rhodium	103-2	4588000	4479835	4583701	4550512	1.35	cps
Scandium	45-1	4703407	4756450	4672576	4710811	0.90	cps
Scandium	45-2	379837	382108	381559	381168	0.31	cps
Selenium	82-1	62314	63561	63242	63039	1.03	cps
Selenium	77-2	7329	7375	7002	7235	2.81	cps
Selenium	78-2	24864	24023	24140	24342	1.87	cps
Silicon	28-1	39940218	40986811	41524179	40817069	1.97	cps
Silver	107-1	642825	658400	645880	649035	1.27	cps
Silver	109-1	609162	615808	608856	611275	0.64	cps
Sodium	23-2	48274776	49164724	49033226	48824242	0.98	cps
Strontium	86-1	1818814	1879938	1821648	1840133	1.87	cps
Strontium	88-1	15676472	15929573	16023547	15876531	1.13	cps
Sulfur	34-1	575793	576217	573983	575331	0.21	cps
Terbium	159-1	8465160	8734948	8473853	8557987	1.79	cps
Terbium	159-2	6710693	6769803	6805573	6762023	0.71	cps
Thallium	203-1	2856025	2920384	2876552	2884320	1.14	cps
Thallium	205-1	6903226	6971540	7038344	6971037	0.97	cps
Tin	118-1	2464333	2568342	2549242	2527306	2.19	cps
Titanium	47-1	84953	80081	76898	80644	5.03	cps

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LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-03MS	Instrumnet Name :	P7
Client Sample ID :	4043MS	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 16:22:36	DataFile Name :	073SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8193214	8204131	8302218	8233187	0.73	cps
Vanadium	51-2	1528003	1540884	1523277	1530721	0.60	cps
Yttrium	89-1	11345637	11602688	11406460	11451595	1.17	cps
Yttrium	89-2	3366102	3284348	3235327	3295259	2.00	cps
Zinc	66-2	4278979	4266712	4331227	4292306	0.80	cps
Zirconium	90-1	6210140	6287859	6157411	6218470	1.06	cps
Zirconium	91-1	1149768	1162629	1167571	1159989	0.79	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-03MSD	Instrumnet Name :	P7
Client Sample ID :	4043MSD	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 16:25:22	DataFile Name :	074SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2143105	2133587	2078107	2118266	1.66	cps
Antimony	121-1	3367519	3340796	3324857	3344391	0.64	cps
Arsenic	75-2	4391	4371	4664	4475	3.66	cps
Barium	135-1	3693199	3619923	3638035	3650386	1.05	cps
Barium	137-1	6312423	6391098	6352701	6352074	0.62	cps
Beryllium	9-1	427292	425661	429265	427406	0.42	cps
Bismuth	209-1	4927928	4667674	4874108	4823236	2.85	cps
Bismuth	209-2	4598474	4775043	4533686	4635734	2.69	cps
Bromine	81-1	31487	35262	38323	35024	9.78	cps
Bromine	81-2	6628	6421	6435	6495	1.78	cps
Cadmium	108-1	55733	54927	56158	55606	1.12	cps
Cadmium	106-1	79758	79480	81612	80283	1.44	cps
Cadmium	111-1	774185	779621	776792	776866	0.35	cps
Calcium	43-1	1539042	1564415	1546857	1550105	0.84	cps
Calcium	44-1	24569267	24970320	24391922	24643837	1.20	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1752915	1736023	1770587	1753175	0.99	cps
Cobalt	59-2	2742754	2748596	2775288	2755546	0.63	cps
Copper	63-2	19641866	19510506	19573024	19575132	0.34	cps
Dysprosium	156-1	3460	3410	3601	3490	2.82	cps
Dysprosium	156-2	3654	3864	3874	3797	3.27	cps
Erbium	164-1	3350	3771	3440	3520	6.28	cps
Erbium	164-2	2954	2827	3010	2930	3.20	cps
Gadolinium	160-1	3791	3707	3727	3742	1.16	cps
Gadolinium	160-2	3367	3350	3420	3379	1.08	cps
Holmium	165-1	8237313	8199149	8185519	8207327	0.33	cps
Holmium	165-2	6801754	6806444	6782520	6796906	0.19	cps
Indium	115-1	7002509	6940649	6947306	6963488	0.49	cps
Indium	115-2	2807165	2755162	2741068	2767798	1.26	cps
Iron	56-2	122276802	119267088	121035528	120859806	1.25	cps
Iron	57-2	3002489	2969107	2992077	2987891	0.57	cps
Iron	54-2	6792361	6648933	6650606	6697300	1.23	cps
Krypton	83-1	473	490	533	499	6.21	cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-03MSD	Instrumnet Name :	P7
Client Sample ID :	4043MSD	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 16:25:22	DataFile Name :	074SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	17507886	17506256	17591713	17535285	0.28	cps
Lead	207-1	14566658	14861791	14610397	14679616	1.09	cps
Lead	208-1	67297305	67466686	67663424	67475805	0.27	cps
Lithium	6-1	574360	575324	564326	571336	1.07	cps
Magnesium	24-2	18458251	18424651	18059194	18314032	1.21	cps
Manganese	55-2	14422505	14050098	14269840	14247481	1.31	cps
Molybdenum	94-1	6222953	6035929	6030265	6096383	1.80	cps
Molybdenum	95-1	6620117	6726292	6620806	6655738	0.92	cps
Molybdenum	96-1	7433208	7381116	7479917	7431414	0.67	cps
Molybdenum	97-1	4100440	4108990	4190115	4133182	1.20	cps
Molybdenum	98-1	10757219	10452977	10775544	10661913	1.70	cps
Neodymium	150-1	6285	5991	6215	6164	2.49	cps
Neodymium	150-2	4144	4124	4031	4100	1.48	cps
Nickel	60-2	608875	604248	596780	603301	1.01	cps
Phosphorus	31-2	6098	5728	5664	5830	4.02	cps
Potassium	39-2	14177680	14083768	14150524	14137324	0.34	cps
Rhodium	103-1	7034018	7077179	7057406	7056201	0.31	cps
Rhodium	103-2	4554682	4459062	4421673	4478472	1.53	cps
Scandium	45-1	4692280	4610424	4579201	4627301	1.26	cps
Scandium	45-2	374105	375167	367834	372369	1.06	cps
Selenium	82-1	62833	62659	63149	62880	0.39	cps
Selenium	77-2	7245	7405	7542	7397	2.01	cps
Selenium	78-2	23863	23776	24340	23993	1.27	cps
Silicon	28-1	41349397	41953202	42266173	41856257	1.11	cps
Silver	107-1	648827	650516	652510	650618	0.28	cps
Silver	109-1	605015	608914	609148	607692	0.38	cps
Sodium	23-2	49110106	48515253	48179146	48601501	0.97	cps
Strontium	86-1	1801758	1832246	1845314	1826440	1.22	cps
Strontium	88-1	15805187	16015713	15907632	15909510	0.66	cps
Sulfur	34-1	579113	579656	578562	579110	0.09	cps
Terbium	159-1	8567738	8471544	8581277	8540186	0.70	cps
Terbium	159-2	6811375	6753073	6739610	6768019	0.56	cps
Thallium	203-1	2883525	2925132	2940457	2916372	1.01	cps
Thallium	205-1	6937216	6637936	7016593	6863915	2.91	cps
Tin	118-1	2431270	2543125	2529174	2501190	2.44	cps
Titanium	47-1	77407	81727	80740	79958	2.83	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-03MSD	Instrumnet Name :	P7
Client Sample ID :	4043MSD	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 16:25:22	DataFile Name :	074SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8134250	7970046	8163835	8089377	1.29	cps
Vanadium	51-2	1538543	1493891	1515722	1516052	1.47	cps
Yttrium	89-1	11532393	11310181	11507174	11449916	1.06	cps
Yttrium	89-2	3248565	3257140	3211608	3239104	0.75	cps
Zinc	66-2	4249319	4270755	4197673	4239249	0.89	cps
Zirconium	90-1	6066899	6175346	6344429	6195558	2.26	cps
Zirconium	91-1	1140427	1153531	1165551	1153170	1.09	cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-03	Instrumnet Name :	P7
Client Sample ID :	4043	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 16:28:06	DataFile Name :	075SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2130618	2017221	2053799	2067212	2.80	cps
Antimony	121-1	3332198	3423260	3381345	3378934	1.35	cps
Arsenic	75-2	4467	4404	4651	4507	2.84	cps
Barium	135-1	3618652	3700661	3685037	3668116	1.19	cps
Barium	137-1	6495900	6364713	6377132	6412582	1.13	cps
Beryllium	9-1	424713	438732	433428	432291	1.64	cps
Bismuth	209-1	4937543	5001685	4857521	4932250	1.46	cps
Bismuth	209-2	4798581	4748174	4639182	4728646	1.72	cps
Bromine	81-1	29877	34574	37073	33841	10.80	cps
Bromine	81-2	5985	6175	5841	6000	2.79	cps
Cadmium	108-1	56068	54897	55415	55460	1.06	cps
Cadmium	106-1	80314	81752	80572	80880	0.95	cps
Cadmium	111-1	777203	794807	787471	786494	1.12	cps
Calcium	43-1	1549418	1556246	1562916	1556193	0.43	cps
Calcium	44-1	24791031	25754917	25234173	25260040	1.91	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1779100	1764646	1767254	1770333	0.44	cps
Cobalt	59-2	2827470	2750801	2718087	2765453	2.03	cps
Copper	63-2	20135018	20443283	20349106	20309136	0.78	cps
Dysprosium	156-1	3580	3651	3661	3631	1.20	cps
Dysprosium	156-2	3500	3651	3757	3636	3.55	cps
Erbium	164-1	3474	3761	3734	3656	4.33	cps
Erbium	164-2	2790	2787	2914	2830	2.55	cps
Gadolinium	160-1	3657	3694	3831	3727	2.45	cps
Gadolinium	160-2	3377	3444	3297	3373	2.18	cps
Holmium	165-1	8291585	8291128	8332761	8305158	0.29	cps
Holmium	165-2	6785761	6861117	6813059	6819979	0.56	cps
Indium	115-1	7004873	7117268	7026026	7049389	0.85	cps
Indium	115-2	2769306	2773620	2789132	2777353	0.38	cps
Iron	56-2	121506798	116521145	117789158	118605700	2.18	cps
Iron	57-2	3000020	2912939	2994945	2969301	1.65	cps
Iron	54-2	6730186	6533223	6561686	6608365	1.61	cps
Krypton	83-1	513	503	513	510	1.13	cps

Reviewed By:Janvi
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Inst Id :P7
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LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-03	Instrumnet Name :	P7
Client Sample ID :	4043	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 16:28:06	DataFile Name :	075SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	17519103	17809355	18120998	17816485	1.69	cps
Lead	207-1	14758993	15127227	15114571	15000264	1.39	cps
Lead	208-1	67850139	69259796	69385196	68831711	1.24	cps
Lithium	6-1	574826	577191	570419	574145	0.60	cps
Magnesium	24-2	18871062	18209598	18100120	18393593	2.27	cps
Manganese	55-2	14375595	13926158	13965191	14088981	1.77	cps
Molybdenum	94-1	5961182	6198255	6103543	6087660	1.96	cps
Molybdenum	95-1	6725603	6731684	6734618	6730635	0.07	cps
Molybdenum	96-1	7555707	7536522	7411167	7501132	1.05	cps
Molybdenum	97-1	4130802	4170978	4113257	4138346	0.72	cps
Molybdenum	98-1	10707688	10800753	10579470	10695970	1.04	cps
Neodymium	150-1	5781	6051	6085	5972	2.79	cps
Neodymium	150-2	3951	4064	4097	4037	1.91	cps
Nickel	60-2	607761	620474	610867	613034	1.08	cps
Phosphorus	31-2	5758	5488	5491	5579	2.78	cps
Potassium	39-2	14042036	14048704	14207914	14099551	0.67	cps
Rhodium	103-1	6912484	7136955	7197678	7082372	2.12	cps
Rhodium	103-2	4625108	4555454	4545997	4575520	0.94	cps
Scandium	45-1	4730300	4746514	4579607	4685473	1.96	cps
Scandium	45-2	370088	371192	371022	370767	0.16	cps
Selenium	82-1	62564	64670	63290	63508	1.69	cps
Selenium	77-2	7208	7409	7098	7239	2.17	cps
Selenium	78-2	24180	25035	24781	24665	1.78	cps
Silicon	28-1	39152003	40567314	41030509	40249942	2.43	cps
Silver	107-1	645585	662712	653982	654093	1.31	cps
Silver	109-1	612050	618691	613839	614860	0.56	cps
Sodium	23-2	49075278	48709646	48186119	48657014	0.92	cps
Strontium	86-1	1837716	1853197	1846428	1845781	0.42	cps
Strontium	88-1	15958342	16302716	16171284	16144114	1.08	cps
Sulfur	34-1	567518	574095	573442	571685	0.63	cps
Terbium	159-1	8404886	8571362	8452147	8476132	1.01	cps
Terbium	159-2	6716063	6726766	6722185	6721671	0.08	cps
Thallium	203-1	2875844	2958115	2983707	2939222	1.92	cps
Thallium	205-1	7038135	7134863	7045658	7072885	0.76	cps
Tin	118-1	2529119	2565037	2516940	2537032	0.99	cps
Titanium	47-1	76888	77923	76683	77165	0.86	cps

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LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-03	Instrumnet Name :	P7
Client Sample ID :	4043	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 16:28:06	DataFile Name :	075SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8043195	8392061	8359248	8264834	2.33	cps
Vanadium	51-2	1512380	1521734	1520630	1518248	0.34	cps
Yttrium	89-1	11312659	11541865	11456002	11436842	1.01	cps
Yttrium	89-2	3256813	3303584	3308703	3289700	0.87	cps
Zinc	66-2	4312991	4310428	4398375	4340598	1.15	cps
Zirconium	90-1	6242474	6272688	6294159	6269774	0.41	cps
Zirconium	91-1	1157166	1175190	1160047	1164134	0.83	cps

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LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-04DL2X25	Instrumnet Name :	P7
Client Sample ID :	4044DL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-05 16:30:54	DataFile Name :	076SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5324	5378	5641	5448	3.11	cps
Antimony	121-1	5131	5224	5381	5245	2.41	cps
Arsenic	75-2	1000	973	1060	1011	4.39	cps
Barium	135-1	6065	6138	5961	6055	1.47	cps
Barium	137-1	10561	10444	10674	10560	1.09	cps
Beryllium	9-1	7	7	7	7	1.94	cps
Bismuth	209-1	3413834	3398391	3386549	3399592	0.40	cps
Bismuth	209-2	3374291	3339244	3450588	3388041	1.68	cps
Bromine	81-1	127146	173083	192336	164188	20.40	cps
Bromine	81-2	39630	38921	39977	39509	1.36	cps
Cadmium	108-1	1417	1427	1447	1430	1.07	cps
Cadmium	106-1	1530	1533	1593	1552	2.30	cps
Cadmium	111-1	1816	1871	1763	1817	2.99	cps
Calcium	43-1	4747	5028	4831	4869	2.95	cps
Calcium	44-1	140847	144971	146125	143981	1.93	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3114	3207	3180	3167	1.52	cps
Cobalt	59-2	223	280	283	262	12.86	cps
Copper	63-2	25014	24874	24654	24847	0.73	cps
Dysprosium	156-1	3	3	3	3	0.00	cps
Dysprosium	156-2	3	3	0	2	86.60	cps
Erbium	164-1	27	50	37	38	30.98	cps
Erbium	164-2	20	23	37	27	33.08	cps
Gadolinium	160-1	43	27	30	33	26.45	cps
Gadolinium	160-2	243	230	257	243	5.48	cps
Holmium	165-1	5720101	5747456	5937248	5801602	2.04	cps
Holmium	165-2	4718607	4657510	4826885	4734334	1.81	cps
Indium	115-1	4905457	4908154	5033957	4949189	1.48	cps
Indium	115-2	2027386	2013419	1979901	2006902	1.22	cps
Iron	56-2	68616	67939	67106	67887	1.11	cps
Iron	57-2	2617	2567	2767	2650	3.93	cps
Iron	54-2	5294	5074	5298	5222	2.45	cps
Krypton	83-1	517	460	490	489	5.80	cps

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LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-04DL2X25	Instrumnet Name :	P7
Client Sample ID :	4044DL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-05 16:30:54	DataFile Name :	076SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2094	2197	2204	2165	2.85	cps
Lead	207-1	1663	1877	1960	1833	8.35	cps
Lead	208-1	8258	8561	8615	8478	2.27	cps
Lithium	6-1	407323	409719	407724	408255	0.31	cps
Magnesium	24-2	34338	34823	34288	34483	0.86	cps
Manganese	55-2	63249	64936	63105	63764	1.60	cps
Molybdenum	94-1	7313250	7641983	7381892	7445708	2.33	cps
Molybdenum	95-1	12880344	13282619	13134487	13099150	1.55	cps
Molybdenum	96-1	13695321	13687953	13901111	13761462	0.88	cps
Molybdenum	97-1	7901098	8014784	8046836	7987573	0.96	cps
Molybdenum	98-1	20183269	20775485	20783143	20580632	1.67	cps
Neodymium	150-1	3	10	20	11	75.52	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	530	660	667	619	12.45	cps
Phosphorus	31-2	8659	8656	8996	8770	2.23	cps
Potassium	39-2	53273671	53324394	53976691	53524919	0.73	cps
Rhodium	103-1	4820120	5040608	5021800	4960843	2.46	cps
Rhodium	103-2	3301653	3272949	3231280	3268628	1.08	cps
Scandium	45-1	3161937	3143607	3192361	3165968	0.78	cps
Scandium	45-2	261432	257820	263769	261007	1.15	cps
Selenium	82-1	1412	1482	1527	1474	3.95	cps
Selenium	77-2	150	120	143	138	11.43	cps
Selenium	78-2	993	890	887	923	6.57	cps
Silicon	28-1	3727040	3959471	4117682	3934731	4.99	cps
Silver	107-1	333	337	350	340	2.59	cps
Silver	109-1	393	320	370	361	10.37	cps
Sodium	23-2	32136512	30828052	31889808	31618124	2.20	cps
Strontium	86-1	12585	12432	12419	12479	0.74	cps
Strontium	88-1	101045	103861	104096	103001	1.65	cps
Sulfur	34-1	191916	188254	183200	187790	2.33	cps
Terbium	159-1	5794470	5844210	5973471	5870717	1.57	cps
Terbium	159-2	4748778	4686739	4757960	4731159	0.82	cps
Thallium	203-1	947	857	830	878	6.96	cps
Thallium	205-1	2457	2067	2210	2245	8.79	cps
Tin	118-1	2524	2600	2537	2554	1.60	cps
Titanium	47-1	483	593	557	544	10.29	cps

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LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2736-04DL2X25	Instrumnet Name :	P7
Client Sample ID :	4044DL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-05 16:30:54	DataFile Name :	076SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	147	113	90	117	24.41	cps
Vanadium	51-2	1133	1253	1210	1199	5.07	cps
Yttrium	89-1	7635612	7872839	7786716	7765056	1.55	cps
Yttrium	89-2	2332360	2257909	2237596	2275955	2.19	cps
Zinc	66-2	28394	28320	28173	28296	0.40	cps
Zirconium	90-1	7565	5038	4607	5737	27.86	cps
Zirconium	91-1	1557	1050	1043	1217	24.20	cps

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LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2739-01DL2X25	Instrumnet Name :	P7
Client Sample ID :	50743DL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-05 16:34:02	DataFile Name :	077SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	19643	19583	19777	19667	0.50	cps
Antimony	121-1	933	797	880	870	7.92	cps
Arsenic	75-2	627	713	727	689	7.88	cps
Barium	135-1	18148	19123	18332	18534	2.79	cps
Barium	137-1	31762	31933	32323	32006	0.90	cps
Beryllium	9-1	29	45	15	30	50.18	cps
Bismuth	209-1	4563114	4699474	4648339	4636976	1.49	cps
Bismuth	209-2	4584301	4590482	4603136	4592639	0.21	cps
Bromine	81-1	40723	41669	41227	41206	1.15	cps
Bromine	81-2	5998	5755	5568	5773	3.74	cps
Cadmium	108-1	20	27	23	23	14.29	cps
Cadmium	106-1	2134	2140	2280	2185	3.79	cps
Cadmium	111-1	1583	1599	1696	1626	3.78	cps
Calcium	43-1	15498	15778	15918	15732	1.36	cps
Calcium	44-1	310266	313017	312854	312045	0.49	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	8052	8286	8252	8197	1.54	cps
Cobalt	59-2	1423	1553	1373	1450	6.41	cps
Copper	63-2	8052	7562	7289	7634	5.07	cps
Dysprosium	156-1	67	70	47	61	20.65	cps
Dysprosium	156-2	63	43	47	51	20.96	cps
Erbium	164-1	120	117	107	114	6.06	cps
Erbium	164-2	93	97	103	98	5.21	cps
Gadolinium	160-1	117	87	103	102	14.70	cps
Gadolinium	160-2	347	370	427	381	10.79	cps
Holmium	165-1	7887144	7717884	7898258	7834429	1.29	cps
Holmium	165-2	6555061	6453988	6537332	6515460	0.83	cps
Indium	115-1	6837112	6849536	6796570	6827739	0.41	cps
Indium	115-2	2736063	2769482	2792630	2766059	1.03	cps
Iron	56-2	142789518	139585251	142104875	141493215	1.19	cps
Iron	57-2	3499541	3423591	3444154	3455762	1.14	cps
Iron	54-2	7848889	7754979	7764228	7789365	0.66	cps
Krypton	83-1	497	500	440	479	7.04	cps

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LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2739-01DL2X25	Instrumnet Name :	P7
Client Sample ID :	50743DL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-05 16:34:02	DataFile Name :	077SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	14972	15406	14798	15058	2.08	cps
Lead	207-1	12012	12479	12483	12325	2.20	cps
Lead	208-1	56677	57662	57107	57149	0.86	cps
Lithium	6-1	542994	547071	544919	544995	0.37	cps
Magnesium	24-2	64648	65338	65948	65311	1.00	cps
Manganese	55-2	580665	580186	582698	581183	0.23	cps
Molybdenum	94-1	2914	2564	2577	2685	7.39	cps
Molybdenum	95-1	2907	2820	2837	2855	1.61	cps
Molybdenum	96-1	4147	4047	4061	4085	1.33	cps
Molybdenum	97-1	1930	1920	1820	1890	3.22	cps
Molybdenum	98-1	4918	4544	4497	4653	4.95	cps
Neodymium	150-1	110	80	100	97	15.80	cps
Neodymium	150-2	50	80	60	63	24.12	cps
Nickel	60-2	1567	1637	1533	1579	3.34	cps
Phosphorus	31-2	2920	2864	3077	2954	3.74	cps
Potassium	39-2	12137717	11919119	11779439	11945425	1.51	cps
Rhodium	103-1	6886377	6797529	6926310	6870072	0.96	cps
Rhodium	103-2	4509503	4333439	4472729	4438557	2.09	cps
Scandium	45-1	4383453	4358844	4438444	4393580	0.93	cps
Scandium	45-2	358502	356974	354765	356747	0.53	cps
Selenium	82-1	943	1084	1154	1060	10.14	cps
Selenium	77-2	47	93	103	81	37.29	cps
Selenium	78-2	770	837	817	808	4.24	cps
Silicon	28-1	2578302	2626004	2640523	2614943	1.24	cps
Silver	107-1	220	220	253	231	8.33	cps
Silver	109-1	180	217	207	201	9.43	cps
Sodium	23-2	1217454	1283418	1236848	1245907	2.72	cps
Strontium	86-1	17694	17984	17884	17854	0.83	cps
Strontium	88-1	150092	152580	149406	150693	1.11	cps
Sulfur	34-1	173785	181972	183976	179911	3.00	cps
Terbium	159-1	8084512	8048648	8040030	8057730	0.29	cps
Terbium	159-2	6511450	6499508	6394038	6468332	1.00	cps
Thallium	203-1	637	597	650	628	4.42	cps
Thallium	205-1	1420	1427	1370	1406	2.20	cps
Tin	118-1	3154	3090	3014	3086	2.27	cps
Titanium	47-1	1933	1873	1917	1908	1.62	cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2739-01DL2X25	Instrumnet Name :	P7
Client Sample ID :	50743DL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-05 16:34:02	DataFile Name :	077SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	543	430	400	458	16.51	cps
Vanadium	51-2	783	730	827	780	6.21	cps
Yttrium	89-1	10753892	10623850	10645059	10674267	0.65	cps
Yttrium	89-2	3126039	3153768	3111579	3130462	0.68	cps
Zinc	66-2	22754	23188	22891	22944	0.97	cps
Zirconium	90-1	2964	2954	2947	2955	0.28	cps
Zirconium	91-1	670	657	640	656	2.29	cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCV05	Instrumnet Name :	P7
Client Sample ID :	CCV05	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 16:43:16	DataFile Name :	080CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	9159671	9196439	8987512	9114541	1.22	cps
Antimony	121-1	3100691	3239898	3170331	3170307	2.20	cps
Arsenic	75-2	189692	187244	187170	188035	0.76	cps
Barium	135-1	3777125	3835643	3845555	3819441	0.97	cps
Barium	137-1	6639596	6738078	6510455	6629376	1.72	cps
Beryllium	9-1	420356	428292	432002	426883	1.39	cps
Bismuth	209-1	4354037	4455017	4372227	4393760	1.23	cps
Bismuth	209-2	4272912	4259550	4133929	4222130	1.82	cps
Bromine	81-1	11044	11535	11698	11426	2.98	cps
Bromine	81-2	487	463	413	454	8.25	cps
Cadmium	108-1	53254	53679	54378	53771	1.06	cps
Cadmium	106-1	75710	78055	77157	76974	1.54	cps
Cadmium	111-1	733074	741478	746002	740185	0.89	cps
Calcium	43-1	4936363	4984114	5030541	4983673	0.94	cps
Calcium	44-1	81045807	81580332	82421587	81682575	0.85	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1735872	1729669	1703703	1723081	0.99	cps
Cobalt	59-2	2617244	2633256	2660112	2636871	0.82	cps
Copper	63-2	20624614	19831508	19537061	19997728	2.81	cps
Dysprosium	156-1	180	163	177	173	5.09	cps
Dysprosium	156-2	267	300	263	277	7.33	cps
Erbium	164-1	370	383	420	391	6.62	cps
Erbium	164-2	247	263	310	273	12.01	cps
Gadolinium	160-1	240	167	240	216	19.64	cps
Gadolinium	160-2	490	443	460	464	5.09	cps
Holmium	165-1	7812151	7653280	7714758	7726729	1.04	cps
Holmium	165-2	6356996	6324246	6157158	6279467	1.71	cps
Indium	115-1	6389970	6345578	6391932	6375827	0.41	cps
Indium	115-2	2630887	2530068	2504791	2555249	2.61	cps
Iron	56-2	401774287	396888181	395723754	398128741	0.81	cps
Iron	57-2	9829646	9979413	9770319	9859792	1.09	cps
Iron	54-2	21758165	22038281	22269809	22022085	1.16	cps
Krypton	83-1	487	490	550	509	7.00	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCV05	Instrumnet Name :	P7
Client Sample ID :	CCV05	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 16:43:16	DataFile Name :	080CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	11380348	11753885	11633982	11589405	1.65	cps
Lead	207-1	9734318	9951040	9891728	9859029	1.14	cps
Lead	208-1	44416554	45234378	45405828	45018920	1.17	cps
Lithium	6-1	536401	537665	539697	537921	0.31	cps
Magnesium	24-2	80074532	80646769	80251765	80324355	0.36	cps
Manganese	55-2	14419658	14419766	14416546	14418657	0.01	cps
Molybdenum	94-1	12522239	12617031	12714976	12618082	0.76	cps
Molybdenum	95-1	17549445	18008906	17621315	17726555	1.39	cps
Molybdenum	96-1	19208358	19183921	19500623	19297634	0.91	cps
Molybdenum	97-1	11161867	11235212	11186829	11194636	0.33	cps
Molybdenum	98-1	28052510	28942296	29199405	28731404	2.09	cps
Neodymium	150-1	150	120	187	152	21.94	cps
Neodymium	150-2	57	83	67	69	19.55	cps
Nickel	60-2	573613	563013	564714	567113	1.00	cps
Phosphorus	31-2	86899	86118	86259	86425	0.48	cps
Potassium	39-2	47275183	46640854	46583251	46833096	0.82	cps
Rhodium	103-1	6380748	6242318	6329218	6317428	1.11	cps
Rhodium	103-2	4192500	4103442	4093231	4129724	1.32	cps
Scandium	45-1	4332372	4342210	4336997	4337193	0.11	cps
Scandium	45-2	357568	354414	349176	353719	1.20	cps
Selenium	82-1	57484	58465	58292	58080	0.90	cps
Selenium	77-2	6945	6665	6788	6799	2.06	cps
Selenium	78-2	23178	23025	23122	23108	0.34	cps
Silicon	28-1	6777949	6922494	7006153	6902199	1.67	cps
Silver	107-1	4367941	4434271	4326780	4376330	1.24	cps
Silver	109-1	4145471	4231735	4156115	4177774	1.13	cps
Sodium	23-2	121240342	122879522	125133745	123084536	1.59	cps
Strontium	86-1	961084	970263	979721	970356	0.96	cps
Strontium	88-1	10027273	10083804	10258567	10123215	1.19	cps
Sulfur	34-1	423181	423936	424126	423748	0.12	cps
Terbium	159-1	8031054	7877871	7874811	7927912	1.13	cps
Terbium	159-2	6388048	6167794	6270410	6275417	1.76	cps
Thallium	203-1	2863621	2788602	2899832	2850685	1.99	cps
Thallium	205-1	6777475	6764651	6829633	6790586	0.51	cps
Tin	118-1	2666983	2727496	2682248	2692242	1.17	cps
Titanium	47-1	4871638	4966252	4909595	4915828	0.97	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCV05	Instrumnet Name :	P7
Client Sample ID :	CCV05	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 16:43:16	DataFile Name :	080CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8088507	8222305	8277567	8196126	1.19	cps
Vanadium	51-2	1440139	1486372	1461152	1462554	1.58	cps
Yttrium	89-1	10424640	10290768	10223408	10312939	0.99	cps
Yttrium	89-2	3009056	3003057	2986852	2999655	0.38	cps
Zinc	66-2	3718868	3653183	3548583	3640211	2.36	cps
Zirconium	90-1	6052949	6180119	6216809	6149959	1.40	cps
Zirconium	91-1	1146893	1161555	1162827	1157092	0.77	cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCB05	Instrumnet Name :	P7
Client Sample ID :	CCB05	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 17:02:40	DataFile Name :	081CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	423	390	353	389	9.00	cps
Antimony	121-1	230	230	210	223	5.17	cps
Arsenic	75-2	10	3	13	9	57.30	cps
Barium	135-1	20	37	47	34	39.11	cps
Barium	137-1	53	20	57	43	46.79	cps
Beryllium	9-1	14	4	0	6	121.05	cps
Bismuth	209-1	4407815	4401821	4376472	4395369	0.38	cps
Bismuth	209-2	4398512	4354807	4388876	4380732	0.52	cps
Bromine	81-1	10070	10644	10300	10338	2.79	cps
Bromine	81-2	303	333	303	313	5.53	cps
Cadmium	108-1	3	0	10	4	114.60	cps
Cadmium	106-1	1917	1943	1837	1899	2.92	cps
Cadmium	111-1	1363	1374	1289	1342	3.45	cps
Calcium	43-1	313	290	330	311	6.46	cps
Calcium	44-1	43767	43763	43459	43663	0.40	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2033	2073	2077	2061	1.17	cps
Cobalt	59-2	47	83	103	78	36.95	cps
Copper	63-2	977	983	1003	988	1.41	cps
Dysprosium	156-1	0	0	0	0	0.00	cps
Dysprosium	156-2	10	20	10	13	43.30	cps
Erbium	164-1	57	40	50	49	17.16	cps
Erbium	164-2	33	33	27	31	12.36	cps
Gadolinium	160-1	50	50	40	47	12.37	cps
Gadolinium	160-2	330	313	340	328	4.11	cps
Holmium	165-1	7400066	7251527	7436705	7362766	1.33	cps
Holmium	165-2	6146826	6064608	6074444	6095293	0.74	cps
Indium	115-1	6399339	6594185	6422731	6472085	1.64	cps
Indium	115-2	2589251	2594118	2529329	2570899	1.40	cps
Iron	56-2	22423	22320	22030	22258	0.92	cps
Iron	57-2	1417	1390	1357	1388	2.17	cps
Iron	54-2	2710	2530	2704	2648	3.85	cps
Krypton	83-1	440	457	543	480	11.56	cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCB05	Instrumnet Name :	P7
Client Sample ID :	CCB05	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 17:02:40	DataFile Name :	081CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	580	640	627	616	5.12	cps
Lead	207-1	360	440	470	423	13.43	cps
Lead	208-1	2003	2097	2170	2090	4.00	cps
Lithium	6-1	497297	509424	506533	504418	1.26	cps
Magnesium	24-2	550	587	570	569	3.23	cps
Manganese	55-2	6301	6435	6535	6424	1.82	cps
Molybdenum	94-1	337	330	427	364	14.81	cps
Molybdenum	95-1	323	323	277	308	8.75	cps
Molybdenum	96-1	420	427	510	452	11.09	cps
Molybdenum	97-1	267	263	223	251	9.60	cps
Molybdenum	98-1	560	517	547	541	4.10	cps
Neodymium	150-1	7	13	3	8	65.47	cps
Neodymium	150-2	3	0	3	2	86.60	cps
Nickel	60-2	487	483	507	492	2.56	cps
Phosphorus	31-2	520	527	483	510	4.57	cps
Potassium	39-2	72220	72391	73064	72558	0.62	cps
Rhodium	103-1	6526143	6416733	6515160	6486012	0.93	cps
Rhodium	103-2	4250820	4231222	4154182	4212075	1.21	cps
Scandium	45-1	4186963	4153735	4242080	4194259	1.06	cps
Scandium	45-2	339464	340460	341684	340536	0.33	cps
Selenium	82-1	371	354	284	336	13.77	cps
Selenium	77-2	3	7	10	7	50.03	cps
Selenium	78-2	430	537	533	500	12.13	cps
Silicon	28-1	744626	742987	759032	748882	1.18	cps
Silver	107-1	87	80	107	91	15.23	cps
Silver	109-1	100	63	93	86	22.83	cps
Sodium	23-2	42004	41726	41867	41866	0.33	cps
Strontium	86-1	793	823	717	778	7.07	cps
Strontium	88-1	317	223	193	244	26.31	cps
Sulfur	34-1	184796	186486	185170	185484	0.48	cps
Terbium	159-1	7698420	7584669	7532769	7605286	1.11	cps
Terbium	159-2	6081288	5984380	6015719	6027129	0.82	cps
Thallium	203-1	160	120	107	129	21.53	cps
Thallium	205-1	363	290	277	310	15.05	cps
Tin	118-1	2027	1797	3361	2395	35.27	cps
Titanium	47-1	83	100	113	99	15.20	cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCB05	Instrumnet Name :	P7
Client Sample ID :	CCB05	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 17:02:40	DataFile Name :	081CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	60	37	40	46	27.70	cps
Vanadium	51-2	30	27	27	28	6.92	cps
Yttrium	89-1	10118798	9933754	10071799	10041450	0.96	cps
Yttrium	89-2	2931344	2895529	2965448	2930774	1.19	cps
Zinc	66-2	653	663	703	673	3.93	cps
Zirconium	90-1	530	617	563	570	7.67	cps
Zirconium	91-1	70	113	103	96	23.75	cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	PB169128TB	Instrumnet Name :	P7
Client Sample ID :	PB169128TB	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 17:05:55	DataFile Name :	082CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	457	330	460	416	17.83	cps
Antimony	121-1	110	127	83	107	20.50	cps
Arsenic	75-2	13	3	7	8	65.47	cps
Barium	135-1	43	40	43	42	4.55	cps
Barium	137-1	47	43	50	47	7.15	cps
Beryllium	9-1	0	7	7	5	83.75	cps
Bismuth	209-1	4505070	4488587	4390104	4461253	1.39	cps
Bismuth	209-2	4410167	4343714	4338345	4364075	0.92	cps
Bromine	81-1	10407	9990	10177	10191	2.05	cps
Bromine	81-2	303	320	260	294	10.52	cps
Cadmium	108-1	10	7	10	9	21.63	cps
Cadmium	106-1	2084	2017	2087	2062	1.91	cps
Cadmium	111-1	1468	1420	1464	1451	1.82	cps
Calcium	43-1	317	360	283	320	12.01	cps
Calcium	44-1	43974	43001	43900	43625	1.24	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2007	2087	2010	2035	2.22	cps
Cobalt	59-2	70	77	87	78	10.79	cps
Copper	63-2	913	1020	920	951	6.28	cps
Dysprosium	156-1	7	3	3	4	43.40	cps
Dysprosium	156-2	3	10	3	6	69.34	cps
Erbium	164-1	60	40	53	51	19.92	cps
Erbium	164-2	30	33	50	38	28.37	cps
Gadolinium	160-1	50	27	23	33	43.59	cps
Gadolinium	160-2	353	320	330	334	5.11	cps
Holmium	165-1	7346804	7371509	7429518	7382610	0.58	cps
Holmium	165-2	6326724	6189584	6017503	6177937	2.51	cps
Indium	115-1	6528059	6410256	6486836	6475050	0.92	cps
Indium	115-2	2582995	2578287	2608164	2589815	0.62	cps
Iron	56-2	21355	20818	21005	21059	1.30	cps
Iron	57-2	1353	1367	1297	1339	2.78	cps
Iron	54-2	2600	2464	2747	2604	5.44	cps
Krypton	83-1	453	413	407	424	5.95	cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	PB169128TB	Instrumnet Name :	P7
Client Sample ID :	PB169128TB	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 17:05:55	DataFile Name :	082CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	463	543	557	521	9.69	cps
Lead	207-1	400	367	397	388	4.73	cps
Lead	208-1	1727	1920	2077	1908	9.19	cps
Lithium	6-1	520027	510526	510609	513721	1.06	cps
Magnesium	24-2	430	393	383	402	6.11	cps
Manganese	55-2	6638	6551	6355	6515	2.23	cps
Molybdenum	94-1	327	317	343	329	4.10	cps
Molybdenum	95-1	290	323	317	310	5.69	cps
Molybdenum	96-1	360	273	333	322	13.78	cps
Molybdenum	97-1	297	257	230	261	12.85	cps
Molybdenum	98-1	470	523	403	466	12.92	cps
Neodymium	150-1	10	7	0	6	91.64	cps
Neodymium	150-2	0	0	7	2	173.21	cps
Nickel	60-2	550	503	533	529	4.47	cps
Phosphorus	31-2	483	560	543	529	7.62	cps
Potassium	39-2	72612	71885	72260	72253	0.50	cps
Rhodium	103-1	6599867	6566655	6515178	6560567	0.65	cps
Rhodium	103-2	4206115	4125198	4202554	4177956	1.09	cps
Scandium	45-1	4151745	4243355	4176564	4190555	1.13	cps
Scandium	45-2	349149	342666	340522	344112	1.31	cps
Selenium	82-1	363	413	366	381	7.32	cps
Selenium	77-2	7	13	10	10	33.30	cps
Selenium	78-2	510	483	587	527	10.19	cps
Silicon	28-1	719014	711934	710415	713788	0.64	cps
Silver	107-1	73	43	80	66	29.80	cps
Silver	109-1	63	50	73	62	18.81	cps
Sodium	23-2	41499	41068	42565	41711	1.85	cps
Strontium	86-1	763	797	850	803	5.44	cps
Strontium	88-1	250	190	243	228	14.44	cps
Sulfur	34-1	187319	185828	187336	186828	0.46	cps
Terbium	159-1	7598695	7694815	7675042	7656184	0.66	cps
Terbium	159-2	6163625	6170686	6075298	6136536	0.87	cps
Thallium	203-1	143	120	93	119	21.05	cps
Thallium	205-1	273	267	253	264	3.85	cps
Tin	118-1	1984	1747	2003	1911	7.47	cps
Titanium	47-1	113	123	130	122	6.87	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	PB169128TB	Instrumnet Name :	P7
Client Sample ID :	PB169128TB	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 17:05:55	DataFile Name :	082CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	30	13	17	20	44.10	cps
Vanadium	51-2	33	20	10	21	55.45	cps
Yttrium	89-1	10223555	10062589	10283595	10189913	1.12	cps
Yttrium	89-2	2985646	2961584	2940979	2962736	0.75	cps
Zinc	66-2	680	590	593	621	8.22	cps
Zirconium	90-1	467	513	490	490	4.76	cps
Zirconium	91-1	123	77	117	106	23.91	cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2747-02DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-GRILLO-OG2-0	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 17:09:15	DataFile Name :	083SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	101396	102708	101913	102006	0.65	cps
Antimony	121-1	233	237	180	217	14.68	cps
Arsenic	75-2	1107	1010	990	1036	6.03	cps
Barium	135-1	42333	43470	44125	43309	2.09	cps
Barium	137-1	74393	75694	75751	75279	1.02	cps
Beryllium	9-1	231	274	224	243	11.17	cps
Bismuth	209-1	4474205	4512936	4565861	4517668	1.02	cps
Bismuth	209-2	4535060	4600035	4577870	4570988	0.72	cps
Bromine	81-1	11051	11648	12102	11600	4.54	cps
Bromine	81-2	543	607	523	558	7.80	cps
Cadmium	108-1	83	73	90	82	10.20	cps
Cadmium	106-1	2304	2300	2457	2354	3.80	cps
Cadmium	111-1	2304	2406	2474	2394	3.56	cps
Calcium	43-1	815939	844276	841378	833864	1.87	cps
Calcium	44-1	15287611	15455043	15470347	15404334	0.66	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3864	3781	3644	3763	2.95	cps
Cobalt	59-2	45312	45202	45997	45503	0.95	cps
Copper	63-2	9493	9773	9890	9719	2.10	cps
Dysprosium	156-1	363	453	437	418	11.46	cps
Dysprosium	156-2	483	473	493	483	2.07	cps
Erbium	164-1	510	447	457	471	7.23	cps
Erbium	164-2	400	430	440	423	4.92	cps
Gadolinium	160-1	440	440	477	452	4.68	cps
Gadolinium	160-2	717	690	740	716	3.50	cps
Holmium	165-1	7728121	7682465	7811922	7740836	0.85	cps
Holmium	165-2	6551400	6502599	6542574	6532191	0.40	cps
Indium	115-1	6643650	6724803	6741105	6703186	0.78	cps
Indium	115-2	2760675	2723381	2737039	2740365	0.69	cps
Iron	56-2	1729574	1692475	1679382	1700477	1.53	cps
Iron	57-2	56295	57118	56536	56650	0.75	cps
Iron	54-2	84436	82836	83521	83598	0.96	cps
Krypton	83-1	507	450	470	476	6.04	cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2747-02DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-GRILLO-OG2-0	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 17:09:15	DataFile Name :	083SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3934	4107	4157	4066	2.88	cps
Lead	207-1	3324	3160	3377	3287	3.44	cps
Lead	208-1	14993	15450	15510	15318	1.85	cps
Lithium	6-1	531174	530944	529883	530667	0.13	cps
Magnesium	24-2	3048347	3092019	3044001	3061456	0.87	cps
Manganese	55-2	3824924	3817851	3873955	3838910	0.80	cps
Molybdenum	94-1	603	747	693	681	10.64	cps
Molybdenum	95-1	377	437	383	399	8.24	cps
Molybdenum	96-1	537	537	510	528	2.92	cps
Molybdenum	97-1	320	257	340	306	14.24	cps
Molybdenum	98-1	543	547	607	566	6.30	cps
Neodymium	150-1	717	757	627	700	9.51	cps
Neodymium	150-2	447	513	487	482	6.96	cps
Nickel	60-2	4904	4978	4931	4938	0.75	cps
Phosphorus	31-2	15685	16072	16506	16087	2.55	cps
Potassium	39-2	4840105	4907226	4830846	4859392	0.86	cps
Rhodium	103-1	6637449	6704383	6832760	6724864	1.48	cps
Rhodium	103-2	4455114	4436429	4474887	4455477	0.43	cps
Scandium	45-1	4347255	4367183	4361647	4358695	0.24	cps
Scandium	45-2	360381	357400	356517	358099	0.57	cps
Selenium	82-1	344	406	310	353	13.68	cps
Selenium	77-2	0	20	20	13	86.60	cps
Selenium	78-2	470	560	550	527	9.37	cps
Silicon	28-1	6406732	6914415	6467660	6596269	4.20	cps
Silver	107-1	97	150	77	108	35.17	cps
Silver	109-1	57	67	77	67	15.00	cps
Sodium	23-2	1287215	1296063	1278073	1287117	0.70	cps
Strontium	86-1	308911	309158	313826	310631	0.89	cps
Strontium	88-1	3161685	3212194	3211305	3195062	0.90	cps
Sulfur	34-1	1555747	1561537	1581218	1566167	0.85	cps
Terbium	159-1	7952041	8087479	7921960	7987160	1.10	cps
Terbium	159-2	6345988	6311813	6288906	6315569	0.45	cps
Thallium	203-1	263	340	347	317	14.62	cps
Thallium	205-1	657	677	633	656	3.31	cps
Tin	118-1	2384	2270	2387	2347	2.83	cps
Titanium	47-1	1340	1240	1353	1311	4.72	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2747-02DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-GRILLO-OG2-0	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 17:09:15	DataFile Name :	083SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	233	217	193	214	9.37	cps
Vanadium	51-2	3294	3454	3454	3400	2.72	cps
Yttrium	89-1	10671745	10422504	10684542	10592931	1.39	cps
Yttrium	89-2	3116421	3103363	3164251	3128011	1.02	cps
Zinc	66-2	174883	178597	177795	177092	1.10	cps
Zirconium	90-1	987	1564	1500	1350	23.43	cps
Zirconium	91-1	210	233	280	241	14.78	cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2747-04DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-GRILLO-OG3-0	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 17:12:23	DataFile Name :	084SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	869056	866019	857311	864128	0.71	cps
Antimony	121-1	197	210	233	213	8.70	cps
Arsenic	75-2	1613	1717	1733	1688	3.85	cps
Barium	135-1	33222	33166	33764	33384	0.99	cps
Barium	137-1	58011	59899	58182	58697	1.78	cps
Beryllium	9-1	547	584	613	581	5.72	cps
Bismuth	209-1	4427670	4477514	4513707	4472964	0.97	cps
Bismuth	209-2	4553208	4618828	4492000	4554678	1.39	cps
Bromine	81-1	11908	12269	12435	12204	2.21	cps
Bromine	81-2	607	670	633	637	4.99	cps
Cadmium	108-1	120	143	123	129	9.79	cps
Cadmium	106-1	2447	2357	2424	2409	1.94	cps
Cadmium	111-1	3409	3226	3260	3298	2.95	cps
Calcium	43-1	1316132	1307394	1317989	1313838	0.43	cps
Calcium	44-1	21701493	21365833	21526632	21531319	0.78	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	9493	9500	9273	9422	1.37	cps
Cobalt	59-2	97807	97682	95549	97013	1.31	cps
Copper	63-2	19126	18832	17968	18642	3.23	cps
Dysprosium	156-1	3527	3744	3577	3616	3.14	cps
Dysprosium	156-2	3847	3807	4177	3944	5.15	cps
Erbium	164-1	4087	3881	4171	4046	3.69	cps
Erbium	164-2	3517	3500	3447	3488	1.05	cps
Gadolinium	160-1	3744	3597	3621	3654	2.16	cps
Gadolinium	160-2	3417	3384	3407	3403	0.50	cps
Holmium	165-1	7673506	7682618	7791067	7715730	0.85	cps
Holmium	165-2	6423945	6524750	6408752	6452482	0.98	cps
Indium	115-1	6694668	6737238	6676181	6702695	0.47	cps
Indium	115-2	2739289	2779985	2701460	2740245	1.43	cps
Iron	56-2	10104968	10087165	9979352	10057162	0.68	cps
Iron	57-2	242112	246602	242894	243869	0.98	cps
Iron	54-2	478067	488863	478058	481663	1.29	cps
Krypton	83-1	460	503	433	466	7.59	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2747-04DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-GRILLO-OG3-0	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 17:12:23	DataFile Name :	084SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	17021	17264	16951	17079	0.96	cps
Lead	207-1	13704	13720	13697	13707	0.09	cps
Lead	208-1	64397	64404	64140	64314	0.23	cps
Lithium	6-1	515987	522627	520084	519566	0.64	cps
Magnesium	24-2	3371981	3437397	3375520	3394966	1.08	cps
Manganese	55-2	4948570	4951154	5034389	4978038	0.98	cps
Molybdenum	94-1	1007	1020	803	943	12.87	cps
Molybdenum	95-1	410	320	390	373	12.66	cps
Molybdenum	96-1	547	493	623	554	11.79	cps
Molybdenum	97-1	237	273	240	250	8.11	cps
Molybdenum	98-1	573	493	527	531	7.57	cps
Neodymium	150-1	5001	5211	5111	5108	2.06	cps
Neodymium	150-2	3677	3474	3677	3609	3.25	cps
Nickel	60-2	12842	12682	12939	12821	1.01	cps
Phosphorus	31-2	47570	46885	47310	47255	0.73	cps
Potassium	39-2	5125324	4981473	4941522	5016106	1.93	cps
Rhodium	103-1	6600692	6783722	6791353	6725256	1.61	cps
Rhodium	103-2	4340791	4395145	4357880	4364605	0.64	cps
Scandium	45-1	4421235	4413737	4420198	4418390	0.09	cps
Scandium	45-2	360974	362692	358483	360716	0.59	cps
Selenium	82-1	403	410	404	406	0.99	cps
Selenium	77-2	20	23	17	20	16.65	cps
Selenium	78-2	583	573	510	556	7.16	cps
Silicon	28-1	12053208	12469673	12136839	12219907	1.80	cps
Silver	107-1	67	107	63	79	30.57	cps
Silver	109-1	47	63	53	54	15.40	cps
Sodium	23-2	1197727	1262060	1246381	1235390	2.72	cps
Strontium	86-1	389753	396591	395004	393782	0.91	cps
Strontium	88-1	4109623	4185178	4221244	4172015	1.37	cps
Sulfur	34-1	2401825	2427599	2398938	2409454	0.65	cps
Terbium	159-1	7885307	7902188	7859921	7882472	0.27	cps
Terbium	159-2	6310311	6489519	6522961	6440930	1.78	cps
Thallium	203-1	423	363	387	391	7.73	cps
Thallium	205-1	1020	1190	943	1051	12.01	cps
Tin	118-1	1823	1857	2114	1931	8.22	cps
Titanium	47-1	2370	2674	2527	2524	6.01	cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2747-04DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-GRILLO-OG3-0	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 17:12:23	DataFile Name :	084SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	737	710	677	708	4.25	cps
Vanadium	51-2	20975	20504	20784	20754	1.14	cps
Yttrium	89-1	10857963	10842753	11130304	10943674	1.48	cps
Yttrium	89-2	3180732	3185932	3191850	3186172	0.17	cps
Zinc	66-2	225090	223805	222187	223694	0.65	cps
Zirconium	90-1	2110	2207	2300	2206	4.31	cps
Zirconium	91-1	583	553	467	534	11.34	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2747-06DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-GRILLO-OG4-0	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 17:15:35	DataFile Name :	085SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	862463	856435	862778	860559	0.42	cps
Antimony	121-1	180	163	253	199	24.07	cps
Arsenic	75-2	1837	1633	1837	1769	6.64	cps
Barium	135-1	33566	34355	32975	33632	2.06	cps
Barium	137-1	57723	57911	57281	57639	0.56	cps
Beryllium	9-1	630	567	674	623	8.59	cps
Bismuth	209-1	4524716	4521032	4432519	4492756	1.16	cps
Bismuth	209-2	4508191	4565299	4434808	4502766	1.45	cps
Bromine	81-1	12005	12205	13096	12435	4.67	cps
Bromine	81-2	750	743	697	730	3.98	cps
Cadmium	108-1	130	133	110	124	10.14	cps
Cadmium	106-1	2300	2364	2157	2274	4.66	cps
Cadmium	111-1	3099	3261	3050	3137	3.53	cps
Calcium	43-1	1330032	1340116	1362455	1344201	1.23	cps
Calcium	44-1	21726227	22002925	22209760	21979637	1.10	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	8616	8989	8729	8778	2.18	cps
Cobalt	59-2	102179	102109	100886	101724	0.71	cps
Copper	63-2	18628	18945	18769	18781	0.85	cps
Dysprosium	156-1	3664	3574	3294	3510	5.50	cps
Dysprosium	156-2	4094	4151	3837	4027	4.15	cps
Erbium	164-1	4001	4124	4177	4101	2.21	cps
Erbium	164-2	3287	3337	3404	3343	1.75	cps
Gadolinium	160-1	3404	3597	3397	3466	3.28	cps
Gadolinium	160-2	3300	3424	3174	3299	3.79	cps
Holmium	165-1	7751340	7667424	7907161	7775308	1.56	cps
Holmium	165-2	6501951	6496918	6374038	6457636	1.12	cps
Indium	115-1	6647791	6657770	6670902	6658821	0.17	cps
Indium	115-2	2681015	2694399	2699017	2691477	0.35	cps
Iron	56-2	10209025	10309892	10089849	10202922	1.08	cps
Iron	57-2	249092	248077	248674	248615	0.21	cps
Iron	54-2	494338	493047	493116	493501	0.15	cps
Krypton	83-1	523	507	430	487	10.23	cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2747-06DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-GRILLO-OG4-0	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 17:15:35	DataFile Name :	085SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	18096	18867	18119	18360	2.39	cps
Lead	207-1	14511	14308	14995	14605	2.42	cps
Lead	208-1	68452	69159	68782	68798	0.51	cps
Lithium	6-1	512731	521523	515005	516420	0.88	cps
Magnesium	24-2	3473859	3486430	3476046	3478778	0.19	cps
Manganese	55-2	5058178	5054958	5051724	5054953	0.06	cps
Molybdenum	94-1	1053	1060	1050	1055	0.48	cps
Molybdenum	95-1	447	340	477	421	17.06	cps
Molybdenum	96-1	507	443	513	488	7.92	cps
Molybdenum	97-1	257	243	240	247	3.58	cps
Molybdenum	98-1	480	483	457	473	3.07	cps
Neodymium	150-1	5021	5078	5001	5033	0.79	cps
Neodymium	150-2	3497	3490	3204	3397	4.93	cps
Nickel	60-2	12809	12752	12605	12722	0.83	cps
Phosphorus	31-2	47099	46909	46059	46689	1.19	cps
Potassium	39-2	5336457	5222354	5396519	5318443	1.66	cps
Rhodium	103-1	6665029	6731999	6797617	6731548	0.98	cps
Rhodium	103-2	4342914	4324720	4417375	4361669	1.13	cps
Scandium	45-1	4361998	4514190	4403451	4426546	1.78	cps
Scandium	45-2	353719	353266	354715	353900	0.21	cps
Selenium	82-1	330	277	356	321	12.54	cps
Selenium	77-2	13	17	13	14	13.35	cps
Selenium	78-2	503	597	537	546	8.67	cps
Silicon	28-1	13103009	13420004	13004593	13175869	1.65	cps
Silver	107-1	127	90	110	109	16.86	cps
Silver	109-1	73	57	67	66	12.79	cps
Sodium	23-2	1262355	1277899	1254729	1264994	0.93	cps
Strontium	86-1	409173	413477	412522	411724	0.55	cps
Strontium	88-1	4295574	4268650	4336706	4300310	0.80	cps
Sulfur	34-1	2458236	2485138	2501080	2481485	0.87	cps
Terbium	159-1	7919894	7813241	7852523	7861886	0.69	cps
Terbium	159-2	6467324	6394451	6407839	6423205	0.60	cps
Thallium	203-1	483	423	470	459	6.87	cps
Thallium	205-1	983	1097	943	1008	7.89	cps
Tin	118-1	1830	1773	1797	1800	1.58	cps
Titanium	47-1	2544	2547	2290	2460	5.99	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2747-06DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-GRILLO-OG4-0	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 17:15:35	DataFile Name :	085SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	637	723	703	688	6.60	cps
Vanadium	51-2	21425	21132	20824	21127	1.42	cps
Yttrium	89-1	10949776	10814714	10678641	10814377	1.25	cps
Yttrium	89-2	3115361	3144770	3127800	3129310	0.47	cps
Zinc	66-2	232970	233152	233693	233272	0.16	cps
Zirconium	90-1	2110	2017	2164	2097	3.54	cps
Zirconium	91-1	463	510	497	490	4.91	cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2747-08DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-GRILLO-TSCP0	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 17:18:44	DataFile Name :	086SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	105584	105997	105501	105694	0.25	cps
Antimony	121-1	340	350	343	344	1.48	cps
Arsenic	75-2	1647	1800	1610	1686	5.98	cps
Barium	135-1	55233	54889	54517	54880	0.65	cps
Barium	137-1	92516	95109	93683	93769	1.39	cps
Beryllium	9-1	204	281	308	264	20.34	cps
Bismuth	209-1	4485360	4464715	4436619	4462231	0.55	cps
Bismuth	209-2	4579431	4627444	4402466	4536447	2.61	cps
Bromine	81-1	13640	15058	15472	14723	6.53	cps
Bromine	81-2	1310	1393	1303	1336	3.76	cps
Cadmium	108-1	133	143	73	117	32.45	cps
Cadmium	106-1	2380	2407	2330	2372	1.64	cps
Cadmium	111-1	3283	3138	3280	3234	2.56	cps
Calcium	43-1	1660903	1646247	1681246	1662799	1.06	cps
Calcium	44-1	26980112	26667940	26776206	26808086	0.59	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4044	4191	3934	4056	3.18	cps
Cobalt	59-2	35947	35245	35138	35443	1.24	cps
Copper	63-2	12392	12252	12188	12277	0.85	cps
Dysprosium	156-1	480	467	460	469	2.17	cps
Dysprosium	156-2	490	473	527	497	5.49	cps
Erbium	164-1	653	623	623	633	2.74	cps
Erbium	164-2	530	457	557	514	10.07	cps
Gadolinium	160-1	633	663	547	614	9.86	cps
Gadolinium	160-2	813	827	780	807	2.98	cps
Holmium	165-1	7580268	7798330	7642052	7673550	1.46	cps
Holmium	165-2	6535311	6508871	6437994	6494059	0.77	cps
Indium	115-1	6752813	6812462	6662107	6742460	1.12	cps
Indium	115-2	2740039	2743031	2664654	2715908	1.64	cps
Iron	56-2	573531	568734	569321	570529	0.46	cps
Iron	57-2	46361	46589	46017	46322	0.62	cps
Iron	54-2	33755	33721	32973	33483	1.32	cps
Krypton	83-1	490	497	483	490	1.36	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2747-08DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-GRILLO-TSCP0	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 17:18:44	DataFile Name :	086SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	9690	9864	9530	9695	1.72	cps
Lead	207-1	7752	8223	8049	8008	2.97	cps
Lead	208-1	36486	36506	36773	36588	0.44	cps
Lithium	6-1	517827	518035	521229	519030	0.37	cps
Magnesium	24-2	5228467	5328251	5321861	5292860	1.06	cps
Manganese	55-2	7438757	7468101	7436482	7447780	0.24	cps
Molybdenum	94-1	770	787	900	819	8.64	cps
Molybdenum	95-1	457	587	537	527	12.45	cps
Molybdenum	96-1	570	503	573	549	7.19	cps
Molybdenum	97-1	307	270	347	308	12.46	cps
Molybdenum	98-1	593	630	547	590	7.08	cps
Neodymium	150-1	720	793	773	762	4.97	cps
Neodymium	150-2	450	563	430	481	14.95	cps
Nickel	60-2	5128	5244	5488	5287	3.48	cps
Phosphorus	31-2	10877	11114	11618	11203	3.38	cps
Potassium	39-2	8822112	8435234	8859498	8705614	2.70	cps
Rhodium	103-1	6774054	6665994	6691417	6710489	0.84	cps
Rhodium	103-2	4364582	4371126	4472343	4402684	1.37	cps
Scandium	45-1	4349862	4435249	4356981	4380697	1.08	cps
Scandium	45-2	359637	352224	352988	354949	1.15	cps
Selenium	82-1	338	280	340	319	10.73	cps
Selenium	77-2	3	3	7	4	43.40	cps
Selenium	78-2	500	503	527	510	2.85	cps
Silicon	28-1	8164450	8492871	8338913	8332078	1.97	cps
Silver	107-1	123	130	203	152	29.16	cps
Silver	109-1	127	87	123	112	19.78	cps
Sodium	23-2	1837397	1755578	1787959	1793645	2.30	cps
Strontium	86-1	516476	520959	525721	521052	0.89	cps
Strontium	88-1	5567455	5564586	5474353	5535465	0.96	cps
Sulfur	34-1	2484345	2532187	2495198	2503910	1.00	cps
Terbium	159-1	7802350	7959232	8004147	7921910	1.34	cps
Terbium	159-2	6274917	6520952	6414598	6403489	1.93	cps
Thallium	203-1	280	283	287	283	1.18	cps
Thallium	205-1	750	750	750	750	0.00	cps
Tin	118-1	1907	1797	1903	1869	3.35	cps
Titanium	47-1	1147	1170	1113	1143	2.49	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2747-08DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-GRILLO-TSCP0	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 17:18:44	DataFile Name :	086SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	190	197	253	213	16.31	cps
Vanadium	51-2	4401	4434	4251	4362	2.24	cps
Yttrium	89-1	10595517	10846307	10649852	10697225	1.23	cps
Yttrium	89-2	3143629	3107732	3134956	3128772	0.60	cps
Zinc	66-2	222967	221710	224926	223201	0.73	cps
Zirconium	90-1	1564	2478	1800	1947	24.38	cps
Zirconium	91-1	500	363	353	406	20.21	cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2747-10DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-GRILLO-TSCP0	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 17:21:56	DataFile Name :	087SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1214447	1188452	1005120	1136006	10.04	cps
Antimony	121-1	447	433	423	434	2.69	cps
Arsenic	75-2	1780	1547	1460	1596	10.37	cps
Barium	135-1	34652	34318	35300	34757	1.44	cps
Barium	137-1	59645	59725	59973	59781	0.29	cps
Beryllium	9-1	1280	1230	1230	1247	2.31	cps
Bismuth	209-1	4492666	4499783	4570565	4521005	0.95	cps
Bismuth	209-2	4601075	4663928	4508961	4591321	1.70	cps
Bromine	81-1	12599	13103	13029	12910	2.11	cps
Bromine	81-2	723	703	793	740	6.39	cps
Cadmium	108-1	213	213	223	217	2.66	cps
Cadmium	106-1	2444	2480	2540	2488	1.96	cps
Cadmium	111-1	4181	4187	4235	4201	0.71	cps
Calcium	43-1	854330	859364	863466	859053	0.53	cps
Calcium	44-1	16026080	16058216	16279760	16121352	0.86	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	9566	9860	9733	9720	1.51	cps
Cobalt	59-2	37948	37584	37530	37687	0.60	cps
Copper	63-2	57420	55908	57714	57014	1.70	cps
Dysprosium	156-1	7726	7792	7849	7789	0.79	cps
Dysprosium	156-2	8122	7982	7882	7996	1.51	cps
Erbium	164-1	10240	10254	10241	10245	0.08	cps
Erbium	164-2	8139	8136	8313	8196	1.23	cps
Gadolinium	160-1	8129	7772	8112	8005	2.52	cps
Gadolinium	160-2	7355	7259	7015	7210	2.43	cps
Holmium	165-1	7849362	7782108	7813428	7814966	0.43	cps
Holmium	165-2	6394188	6468800	6574962	6479317	1.40	cps
Indium	115-1	6633345	6820791	6898421	6784186	2.01	cps
Indium	115-2	2780531	2729439	2692427	2734132	1.62	cps
Iron	56-2	10341403	10275512	10299372	10305429	0.32	cps
Iron	57-2	244654	242486	243764	243635	0.45	cps
Iron	54-2	507111	501307	499021	502480	0.83	cps
Krypton	83-1	530	527	590	549	6.49	cps

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LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2747-10DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-GRILLO-TSCP0	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 17:21:56	DataFile Name :	087SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	47520	47112	46891	47174	0.68	cps
Lead	207-1	37991	37790	37392	37724	0.81	cps
Lead	208-1	178053	177901	175972	177308	0.65	cps
Lithium	6-1	523283	519881	521409	521524	0.33	cps
Magnesium	24-2	3088466	3037390	3063546	3063134	0.83	cps
Manganese	55-2	4316845	4247446	4153377	4239222	1.94	cps
Molybdenum	94-1	1623	1727	1593	1648	4.25	cps
Molybdenum	95-1	483	407	343	411	17.05	cps
Molybdenum	96-1	633	633	667	644	2.99	cps
Molybdenum	97-1	247	340	260	282	17.89	cps
Molybdenum	98-1	537	483	547	522	6.52	cps
Neodymium	150-1	9850	10120	9847	9939	1.58	cps
Neodymium	150-2	6842	6842	6805	6830	0.31	cps
Nickel	60-2	11224	10681	11204	11036	2.79	cps
Phosphorus	31-2	16699	16843	16422	16655	1.28	cps
Potassium	39-2	5261940	5417399	5187073	5288804	2.22	cps
Rhodium	103-1	6661450	6607938	6897992	6722460	2.30	cps
Rhodium	103-2	4408655	4456377	4346984	4404006	1.25	cps
Scandium	45-1	4414592	4435683	4460446	4436907	0.52	cps
Scandium	45-2	358130	356373	351905	355469	0.90	cps
Selenium	82-1	277	335	257	290	13.98	cps
Selenium	77-2	40	40	43	41	4.68	cps
Selenium	78-2	590	520	497	536	9.07	cps
Silicon	28-1	11621238	12012159	11566763	11733387	2.07	cps
Silver	107-1	80	90	93	88	7.90	cps
Silver	109-1	67	77	70	71	7.16	cps
Sodium	23-2	1183863	1128816	1107935	1140205	3.44	cps
Strontium	86-1	299347	299003	304664	301005	1.05	cps
Strontium	88-1	3082155	3160175	3107569	3116633	1.28	cps
Sulfur	34-1	2434127	2468349	2442427	2448301	0.73	cps
Terbium	159-1	8079368	7860916	7814011	7918098	1.79	cps
Terbium	159-2	6487191	6480487	6261322	6409667	2.01	cps
Thallium	203-1	347	327	240	304	18.62	cps
Thallium	205-1	717	640	730	696	6.98	cps
Tin	118-1	1810	1967	1950	1909	4.51	cps
Titanium	47-1	3090	3067	3164	3107	1.62	cps

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LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2747-10DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-GRILLO-TSCP0	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 17:21:56	DataFile Name :	087SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	1960	1964	2027	1984	1.89	cps
Vanadium	51-2	46833	45709	46792	46445	1.37	cps
Yttrium	89-1	11092060	10991216	10967659	11016978	0.60	cps
Yttrium	89-2	3212391	3221992	3137320	3190568	1.45	cps
Zinc	66-2	249974	251138	247250	249454	0.80	cps
Zirconium	90-1	3834	4415	3961	4070	7.50	cps
Zirconium	91-1	903	723	810	812	11.08	cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2747-10DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-GRILLO-TSCP0	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 17:25:04	DataFile Name :	088SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	988854	1186329	978342	1051175	11.15	cps
Antimony	121-1	437	463	490	463	5.75	cps
Arsenic	75-2	1653	1567	1563	1595	3.20	cps
Barium	135-1	33790	33951	33252	33664	1.09	cps
Barium	137-1	57342	59042	58413	58266	1.48	cps
Beryllium	9-1	1210	1120	1093	1141	5.39	cps
Bismuth	209-1	4499867	4469002	4477535	4482135	0.36	cps
Bismuth	209-2	4605321	4575248	4437222	4539264	1.97	cps
Bromine	81-1	12382	12776	12759	12639	1.76	cps
Bromine	81-2	670	650	707	676	4.25	cps
Cadmium	108-1	200	180	200	193	5.97	cps
Cadmium	106-1	2537	2447	2437	2474	2.23	cps
Cadmium	111-1	4069	3974	4193	4079	2.69	cps
Calcium	43-1	840237	833983	839093	837771	0.40	cps
Calcium	44-1	15584895	15721434	15582545	15629625	0.51	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	9750	9310	9653	9571	2.42	cps
Cobalt	59-2	36347	38245	37634	37409	2.59	cps
Copper	63-2	56402	56198	55252	55951	1.10	cps
Dysprosium	156-1	7259	7139	7365	7254	1.56	cps
Dysprosium	156-2	7479	8149	7462	7697	5.09	cps
Erbium	164-1	9517	9930	9824	9757	2.20	cps
Erbium	164-2	7966	7966	8229	8054	1.89	cps
Gadolinium	160-1	8283	7822	8116	8074	2.89	cps
Gadolinium	160-2	6795	6865	7025	6895	1.71	cps
Holmium	165-1	7919228	7762244	7862706	7848059	1.01	cps
Holmium	165-2	6609294	6565831	6522958	6566028	0.66	cps
Indium	115-1	6836863	6665133	6796169	6766055	1.33	cps
Indium	115-2	2725956	2769384	2739495	2744945	0.81	cps
Iron	56-2	10099601	10054105	10081752	10078486	0.23	cps
Iron	57-2	240517	239885	239268	239890	0.26	cps
Iron	54-2	494212	494567	484200	490993	1.20	cps
Krypton	83-1	540	493	467	500	7.42	cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2747-10DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-GRILLO-TSCP0	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 17:25:04	DataFile Name :	088SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	45423	46380	46072	45958	1.06	cps
Lead	207-1	36871	36690	36623	36728	0.35	cps
Lead	208-1	171865	172883	171983	172244	0.32	cps
Lithium	6-1	524212	524930	521484	523542	0.35	cps
Magnesium	24-2	3038080	3009985	3006289	3018118	0.58	cps
Manganese	55-2	4189779	4014703	4105770	4103417	2.13	cps
Molybdenum	94-1	1680	1700	1560	1647	4.60	cps
Molybdenum	95-1	430	363	473	422	13.12	cps
Molybdenum	96-1	610	570	660	613	7.35	cps
Molybdenum	97-1	270	257	280	269	4.35	cps
Molybdenum	98-1	503	520	477	500	4.37	cps
Neodymium	150-1	9914	10054	9947	9971	0.73	cps
Neodymium	150-2	6872	6798	6845	6838	0.54	cps
Nickel	60-2	10957	11261	11164	11128	1.39	cps
Phosphorus	31-2	16419	16085	15992	16165	1.39	cps
Potassium	39-2	5331315	5128752	5093160	5184409	2.48	cps
Rhodium	103-1	6824443	6703067	6698611	6742040	1.06	cps
Rhodium	103-2	4417603	4413989	4475501	4435698	0.78	cps
Scandium	45-1	4433567	4447791	4353043	4411467	1.16	cps
Scandium	45-2	357118	352964	353444	354509	0.64	cps
Selenium	82-1	344	356	348	349	1.76	cps
Selenium	77-2	30	17	27	24	28.38	cps
Selenium	78-2	610	603	543	586	6.27	cps
Silicon	28-1	11260394	11306682	11472986	11346687	0.99	cps
Silver	107-1	87	110	110	102	13.18	cps
Silver	109-1	63	80	77	73	12.03	cps
Sodium	23-2	1116535	1099041	1100171	1105249	0.89	cps
Strontium	86-1	293639	296505	294614	294919	0.49	cps
Strontium	88-1	3051691	3069775	3046894	3056120	0.39	cps
Sulfur	34-1	2392880	2383465	2372143	2382829	0.44	cps
Terbium	159-1	7960021	8003790	7896198	7953336	0.68	cps
Terbium	159-2	6433563	6393099	6367074	6397912	0.52	cps
Thallium	203-1	260	277	270	269	3.12	cps
Thallium	205-1	707	700	700	702	0.55	cps
Tin	118-1	1893	1940	1920	1918	1.22	cps
Titanium	47-1	3000	3080	3084	3055	1.54	cps

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Inst Id :P7
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LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2747-10DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-GRILLO-TSCP0	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 17:25:04	DataFile Name :	088SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	1984	1897	1840	1907	3.79	cps
Vanadium	51-2	46579	46582	44937	46032	2.06	cps
Yttrium	89-1	10726178	10923302	11050637	10900039	1.50	cps
Yttrium	89-2	3191899	3245810	3172222	3203310	1.19	cps
Zinc	66-2	244839	243126	240817	242927	0.83	cps
Zirconium	90-1	3777	3827	4034	3879	3.51	cps
Zirconium	91-1	890	827	890	869	4.21	cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2747-10LDLX25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-GRILLO-TSCP0	Dilution Factor :	25
Date & Time Acquired :	2025-08-05 17:28:15	DataFile Name :	089SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	200214	198991	197750	198985	0.62	cps
Antimony	121-1	157	107	133	132	18.92	cps
Arsenic	75-2	277	280	320	292	8.25	cps
Barium	135-1	6812	6585	6782	6726	1.83	cps
Barium	137-1	11328	11378	11461	11389	0.59	cps
Beryllium	9-1	246	255	238	246	3.45	cps
Bismuth	209-1	4322569	4607298	4430188	4453352	3.23	cps
Bismuth	209-2	4489939	4452748	4561137	4501275	1.22	cps
Bromine	81-1	11068	11565	11144	11259	2.38	cps
Bromine	81-2	323	427	387	379	13.75	cps
Cadmium	108-1	43	60	57	53	16.54	cps
Cadmium	106-1	2327	2114	2037	2159	6.96	cps
Cadmium	111-1	2132	1877	1853	1954	7.91	cps
Calcium	43-1	162724	164289	163522	163512	0.48	cps
Calcium	44-1	3061926	3172259	3118416	3117534	1.77	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3717	3747	3627	3697	1.69	cps
Cobalt	59-2	7462	7459	7782	7568	2.46	cps
Copper	63-2	12112	12462	12178	12251	1.52	cps
Dysprosium	156-1	1427	1423	1307	1386	4.93	cps
Dysprosium	156-2	1510	1527	1630	1556	4.18	cps
Erbium	164-1	1890	1933	1893	1906	1.27	cps
Erbium	164-2	1547	1583	1617	1582	2.21	cps
Gadolinium	160-1	1730	1570	1820	1707	7.42	cps
Gadolinium	160-2	1720	1523	1583	1609	6.26	cps
Holmium	165-1	7824713	7788169	7837295	7816726	0.33	cps
Holmium	165-2	6384142	6320090	6316048	6340093	0.60	cps
Indium	115-1	6795351	6659877	6670414	6708547	1.12	cps
Indium	115-2	2677144	2631034	2688068	2665415	1.14	cps
Iron	56-2	2065382	2045229	1976476	2029029	2.30	cps
Iron	57-2	49491	47656	48214	48454	1.94	cps
Iron	54-2	99638	98043	100329	99336	1.18	cps
Krypton	83-1	483	480	530	498	5.62	cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2747-10LDLX25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-GRILLO-TSCP0	Dilution Factor :	25
Date & Time Acquired :	2025-08-05 17:28:15	DataFile Name :	089SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	9363	9313	9910	9529	3.48	cps
Lead	207-1	7819	7722	7666	7736	1.00	cps
Lead	208-1	35498	35308	36136	35647	1.22	cps
Lithium	6-1	508577	516737	510965	512093	0.82	cps
Magnesium	24-2	499939	509065	504197	504400	0.91	cps
Manganese	55-2	708657	705209	707708	707191	0.25	cps
Molybdenum	94-1	527	633	487	549	13.81	cps
Molybdenum	95-1	263	277	237	259	7.87	cps
Molybdenum	96-1	337	437	397	390	12.91	cps
Molybdenum	97-1	247	217	223	229	6.88	cps
Molybdenum	98-1	383	377	383	381	1.01	cps
Neodymium	150-1	1803	1980	1960	1915	5.05	cps
Neodymium	150-2	1270	1367	1227	1288	5.57	cps
Nickel	60-2	2664	2664	2717	2681	1.15	cps
Phosphorus	31-2	3727	3710	3594	3677	1.98	cps
Potassium	39-2	971157	963095	969191	967815	0.43	cps
Rhodium	103-1	6704137	6641642	6824689	6723489	1.38	cps
Rhodium	103-2	4389812	4309333	4407216	4368787	1.20	cps
Scandium	45-1	4336800	4417003	4348824	4367542	0.99	cps
Scandium	45-2	348290	347960	350976	349075	0.47	cps
Selenium	82-1	327	374	258	320	18.36	cps
Selenium	77-2	10	7	13	10	33.30	cps
Selenium	78-2	520	503	477	500	4.37	cps
Silicon	28-1	3130540	3080772	3122181	3111164	0.86	cps
Silver	107-1	47	70	47	54	24.74	cps
Silver	109-1	50	47	60	52	13.28	cps
Sodium	23-2	215280	211904	215888	214358	1.00	cps
Strontium	86-1	59122	57652	59196	58657	1.48	cps
Strontium	88-1	500631	500290	497011	499310	0.40	cps
Sulfur	34-1	524784	518912	526517	523404	0.76	cps
Terbium	159-1	7709085	7833483	7780907	7774491	0.80	cps
Terbium	159-2	6210774	6275086	6334853	6273571	0.99	cps
Thallium	203-1	133	190	93	139	34.97	cps
Thallium	205-1	270	313	313	299	8.37	cps
Tin	118-1	1843	2023	1673	1847	9.48	cps
Titanium	47-1	883	710	603	732	19.30	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2747-10LDLX25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-GRILLO-TSCP0	Dilution Factor :	25
Date & Time Acquired :	2025-08-05 17:28:15	DataFile Name :	089SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	443	373	323	380	15.86	cps
Vanadium	51-2	9076	8896	9089	9021	1.20	cps
Yttrium	89-1	10602185	10635001	10492342	10576509	0.71	cps
Yttrium	89-2	3033998	3061760	3050104	3048621	0.46	cps
Zinc	66-2	49040	48178	48786	48668	0.91	cps
Zirconium	90-1	1193	1107	1057	1119	6.18	cps
Zirconium	91-1	217	267	203	229	14.59	cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2747-10MSDLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-GRILLO-TSCP0	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 17:31:26	DataFile Name :	090SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1383910	1348266	1364434	1365537	1.31	cps
Antimony	121-1	490806	489730	494202	491579	0.47	cps
Arsenic	75-2	12555	12729	13153	12812	2.40	cps
Barium	135-1	551919	549034	553208	551387	0.39	cps
Barium	137-1	961959	953066	958572	957866	0.47	cps
Beryllium	9-1	74713	76172	77547	76144	1.86	cps
Bismuth	209-1	4473269	4383236	4506755	4454420	1.43	cps
Bismuth	209-2	4483258	4480969	4565612	4509946	1.07	cps
Bromine	81-1	12435	12515	12642	12531	0.83	cps
Bromine	81-2	700	740	740	727	3.18	cps
Cadmium	108-1	9950	9954	10414	10106	2.64	cps
Cadmium	106-1	16496	16479	15962	16313	1.86	cps
Cadmium	111-1	144310	145909	144190	144803	0.66	cps
Calcium	43-1	902768	926120	938632	922507	1.97	cps
Calcium	44-1	16797914	17011016	17177083	16995338	1.12	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	264517	267377	265797	265897	0.54	cps
Cobalt	59-2	446593	450446	448122	448387	0.43	cps
Copper	63-2	3546777	3558573	3583960	3563103	0.53	cps
Dysprosium	156-1	6812	6735	6942	6830	1.53	cps
Dysprosium	156-2	7048	7269	6915	7077	2.52	cps
Erbium	164-1	9060	9196	9063	9106	0.86	cps
Erbium	164-2	7412	7686	7282	7460	2.76	cps
Gadolinium	160-1	7262	7272	7315	7283	0.39	cps
Gadolinium	160-2	6605	6678	6805	6696	1.51	cps
Holmium	165-1	7902204	7577085	7671961	7717084	2.17	cps
Holmium	165-2	6427281	6453874	6571302	6484152	1.18	cps
Indium	115-1	6665058	6674643	6659958	6666553	0.11	cps
Indium	115-2	2745918	2656179	2667393	2689830	1.82	cps
Iron	56-2	22156756	22278508	22342895	22259386	0.42	cps
Iron	57-2	502198	509289	498634	503374	1.08	cps
Iron	54-2	1078302	1083064	1083892	1081753	0.28	cps
Krypton	83-1	580	467	513	520	10.95	cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2747-10MSDLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-GRILLO-TSCP0	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 17:31:26	DataFile Name :	090SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2192578	2104627	2203958	2167054	2.51	cps
Lead	207-1	1830449	1806124	1858407	1831660	1.43	cps
Lead	208-1	8415671	8272458	8578900	8422343	1.82	cps
Lithium	6-1	518420	517857	529486	521921	1.26	cps
Magnesium	24-2	5695504	5509379	5743027	5649303	2.19	cps
Manganese	55-2	6230344	6109948	6258187	6199493	1.27	cps
Molybdenum	94-1	897553	916736	907403	907231	1.06	cps
Molybdenum	95-1	988286	986213	994790	989763	0.45	cps
Molybdenum	96-1	1095205	1092852	1103592	1097216	0.51	cps
Molybdenum	97-1	613622	614835	618862	615773	0.45	cps
Molybdenum	98-1	1905194	1891915	1847073	1881394	1.62	cps
Neodymium	150-1	8840	8943	9170	8984	1.88	cps
Neodymium	150-2	6241	6131	6191	6188	0.89	cps
Nickel	60-2	116204	118135	117803	117380	0.88	cps
Phosphorus	31-2	14614	15385	14524	14841	3.19	cps
Potassium	39-2	6349583	6151190	6267318	6256030	1.59	cps
Rhodium	103-1	6795319	6745508	6794529	6778452	0.42	cps
Rhodium	103-2	4352879	4388829	4337036	4359582	0.61	cps
Scandium	45-1	4363707	4418922	4378030	4386886	0.65	cps
Scandium	45-2	349278	350853	351964	350699	0.38	cps
Selenium	82-1	10920	11216	11176	11104	1.45	cps
Selenium	77-2	1240	1277	1183	1233	3.81	cps
Selenium	78-2	4677	4757	4481	4639	3.07	cps
Silicon	28-1	10348138	10656494	10488444	10497692	1.47	cps
Silver	107-1	115751	117435	117522	116903	0.85	cps
Silver	109-1	107946	110525	110405	109625	1.33	cps
Sodium	23-2	5454707	5395990	5438297	5429665	0.56	cps
Strontium	86-1	469764	477726	477721	475070	0.97	cps
Strontium	88-1	4840913	4937990	4891707	4890203	0.99	cps
Sulfur	34-1	2155138	2236167	2246214	2212507	2.26	cps
Terbium	159-1	7861329	7758337	8171544	7930403	2.71	cps
Terbium	159-2	6515525	6262636	6374810	6384324	1.98	cps
Thallium	203-1	405261	401127	410670	405686	1.18	cps
Thallium	205-1	955060	955989	979111	963387	1.41	cps
Tin	118-1	371100	372438	371406	371648	0.19	cps
Titanium	47-1	2904	3200	3317	3140	6.79	cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2747-10MSDLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-GRILLO-TSCP0	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 17:31:26	DataFile Name :	090SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	1077001	1096400	1112856	1095419	1.64	cps
Vanadium	51-2	268967	267376	267874	268072	0.30	cps
Yttrium	89-1	10935658	11010256	11032998	10992971	0.46	cps
Yttrium	89-2	3180031	3212912	3155578	3182841	0.90	cps
Zinc	66-2	773280	790308	781314	781634	1.09	cps
Zirconium	90-1	917061	933433	924168	924888	0.89	cps
Zirconium	91-1	205229	205613	206117	205653	0.22	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2747-10MSDDLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-GRILLO-TSCP0	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 17:34:30	DataFile Name :	091SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1386571	1346064	1374510	1369048	1.52	cps
Antimony	121-1	483175	498822	499050	493682	1.84	cps
Arsenic	75-2	22183	20658	20898	21246	3.86	cps
Barium	135-1	548804	562401	554033	555080	1.24	cps
Barium	137-1	949638	976293	973564	966498	1.52	cps
Beryllium	9-1	76215	75963	73774	75317	1.78	cps
Bismuth	209-1	4571730	4483800	4545528	4533686	1.00	cps
Bismuth	209-2	4460553	4541366	4503967	4501962	0.90	cps
Bromine	81-1	11958	12505	13049	12504	4.36	cps
Bromine	81-2	740	673	790	734	7.97	cps
Cadmium	108-1	10227	10294	9863	10128	2.29	cps
Cadmium	106-1	16496	16313	16990	16600	2.11	cps
Cadmium	111-1	143334	146340	147012	145562	1.35	cps
Calcium	43-1	916462	914223	922272	917652	0.45	cps
Calcium	44-1	16952283	17227576	17285080	17154979	1.04	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	266663	263704	265339	265235	0.56	cps
Cobalt	59-2	446897	446371	450307	447858	0.48	cps
Copper	63-2	3614400	3584762	3587270	3595477	0.46	cps
Dysprosium	156-1	6945	7125	6798	6956	2.35	cps
Dysprosium	156-2	7099	7262	6848	7070	2.95	cps
Erbium	164-1	8940	9203	9216	9120	1.71	cps
Erbium	164-2	7565	7649	7816	7677	1.66	cps
Gadolinium	160-1	7329	7339	7475	7381	1.11	cps
Gadolinium	160-2	6602	6181	6228	6337	3.63	cps
Holmium	165-1	7677394	7894255	7699698	7757116	1.54	cps
Holmium	165-2	6524331	6636516	6497490	6552779	1.13	cps
Indium	115-1	6563771	6654106	6774026	6663968	1.58	cps
Indium	115-2	2739149	2612608	2665986	2672581	2.38	cps
Iron	56-2	22168931	22250830	22028379	22149380	0.51	cps
Iron	57-2	504489	507509	502895	504964	0.46	cps
Iron	54-2	1085945	1088549	1079040	1084511	0.45	cps
Krypton	83-1	480	520	557	519	7.39	cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2747-10MSDDLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-GRILLO-TSCP0	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 17:34:30	DataFile Name :	091SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2285724	2173591	2152078	2203798	3.26	cps
Lead	207-1	1881016	1901331	1868650	1883666	0.88	cps
Lead	208-1	8738089	8550286	8463964	8584113	1.63	cps
Lithium	6-1	530621	518466	516223	521770	1.48	cps
Magnesium	24-2	5594171	5625546	5648839	5622852	0.49	cps
Manganese	55-2	6133024	6106744	6275645	6171804	1.47	cps
Molybdenum	94-1	901506	906395	927996	911966	1.55	cps
Molybdenum	95-1	974198	974633	1008606	985812	2.00	cps
Molybdenum	96-1	1092872	1090525	1111152	1098183	1.03	cps
Molybdenum	97-1	612108	620640	627807	620185	1.27	cps
Molybdenum	98-1	1836544	1843534	1901486	1860521	1.92	cps
Neodymium	150-1	9043	9410	9270	9241	2.00	cps
Neodymium	150-2	6271	6288	6131	6230	1.38	cps
Nickel	60-2	117877	118047	118350	118091	0.20	cps
Phosphorus	31-2	15181	15241	15485	15302	1.05	cps
Potassium	39-2	6232861	6313289	6179115	6241755	1.08	cps
Rhodium	103-1	6718735	6693733	6726297	6712922	0.25	cps
Rhodium	103-2	4377583	4310912	4268786	4319094	1.27	cps
Scandium	45-1	4299775	4254412	4274466	4276218	0.53	cps
Scandium	45-2	352065	351472	350779	351439	0.18	cps
Selenium	82-1	11036	11023	11211	11090	0.95	cps
Selenium	77-2	1430	1243	1233	1302	8.51	cps
Selenium	78-2	4717	4494	4524	4579	2.65	cps
Silicon	28-1	10587661	10421771	10397027	10468819	0.99	cps
Silver	107-1	115412	117662	119988	117688	1.94	cps
Silver	109-1	108174	109913	111324	109804	1.44	cps
Sodium	23-2	5346930	5330349	5455293	5377524	1.26	cps
Strontium	86-1	466799	468382	479436	471539	1.46	cps
Strontium	88-1	4953758	4927925	5048168	4976617	1.27	cps
Sulfur	34-1	2280490	2198990	2201583	2227021	2.08	cps
Terbium	159-1	7784700	7843866	7795854	7808140	0.40	cps
Terbium	159-2	6552121	6369872	6343133	6421709	1.77	cps
Thallium	203-1	406213	408740	406634	407196	0.33	cps
Thallium	205-1	968109	978548	967620	971426	0.64	cps
Tin	118-1	366821	379391	378500	374904	1.87	cps
Titanium	47-1	3150	2984	2877	3004	4.59	cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2747-10MSDDLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-GRILLO-TSCP0	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 17:34:30	DataFile Name :	091SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	1115017	1101426	1076673	1097706	1.77	cps
Vanadium	51-2	270574	268379	267326	268760	0.62	cps
Yttrium	89-1	10776714	10662975	11151660	10863783	2.35	cps
Yttrium	89-2	3089311	3159360	3114464	3121045	1.14	cps
Zinc	66-2	789171	787176	784950	787099	0.27	cps
Zirconium	90-1	918704	922898	936876	926159	1.03	cps
Zirconium	91-1	203437	206522	209258	206405	1.41	cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCV06	Instrumnet Name :	P7
Client Sample ID :	CCV06	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 17:37:32	DataFile Name :	092CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	9127451	9050101	9239159	9138904	1.04	cps
Antimony	121-1	3143972	3248915	3250937	3214608	1.90	cps
Arsenic	75-2	186697	185878	187906	186827	0.55	cps
Barium	135-1	3864478	4002352	3868292	3911707	2.01	cps
Barium	137-1	6719782	6825173	6811170	6785375	0.84	cps
Beryllium	9-1	413756	419284	416656	416565	0.66	cps
Bismuth	209-1	4484923	4398887	4278344	4387385	2.37	cps
Bismuth	209-2	4269915	4322652	4325712	4306093	0.73	cps
Bromine	81-1	10100	10410	10631	10380	2.57	cps
Bromine	81-2	273	247	243	254	6.46	cps
Cadmium	108-1	54549	54750	54777	54692	0.23	cps
Cadmium	106-1	77428	77778	78253	77819	0.53	cps
Cadmium	111-1	743829	753607	759404	752280	1.05	cps
Calcium	43-1	4804093	4981899	4897163	4894385	1.82	cps
Calcium	44-1	78338564	81215832	80571959	80042118	1.89	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1721498	1752631	1687496	1720542	1.89	cps
Cobalt	59-2	2654896	2662712	2589187	2635598	1.53	cps
Copper	63-2	20098392	20113116	20073493	20095000	0.10	cps
Dysprosium	156-1	140	170	147	152	10.35	cps
Dysprosium	156-2	313	320	300	311	3.27	cps
Erbium	164-1	337	303	313	318	5.38	cps
Erbium	164-2	327	270	280	292	10.35	cps
Gadolinium	160-1	217	197	193	202	6.24	cps
Gadolinium	160-2	520	463	500	494	5.81	cps
Holmium	165-1	7836780	7952645	7934001	7907809	0.79	cps
Holmium	165-2	6309929	6453473	6513674	6425692	1.63	cps
Indium	115-1	6670359	6557900	6542801	6590354	1.06	cps
Indium	115-2	2574058	2650849	2604833	2609913	1.48	cps
Iron	56-2	389718794	398916621	402458994	397031470	1.66	cps
Iron	57-2	10054964	10074116	9843523	9990868	1.28	cps
Iron	54-2	21921796	22056051	21695046	21890964	0.83	cps
Krypton	83-1	527	473	467	489	6.73	cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCV06	Instrumnet Name :	P7
Client Sample ID :	CCV06	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 17:37:32	DataFile Name :	092CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	11596111	11763807	11444769	11601562	1.38	cps
Lead	207-1	9653892	9944051	9761540	9786494	1.50	cps
Lead	208-1	44935224	45448645	44012793	44798888	1.62	cps
Lithium	6-1	527813	536369	527775	530652	0.93	cps
Magnesium	24-2	78562334	79881022	79791320	79411559	0.93	cps
Manganese	55-2	14160000	14298566	14500757	14319774	1.20	cps
Molybdenum	94-1	12735560	13181009	13188616	13035062	1.99	cps
Molybdenum	95-1	18086758	18133126	18766714	18328866	2.07	cps
Molybdenum	96-1	19610157	19596716	20067067	19757980	1.36	cps
Molybdenum	97-1	11131652	11241744	11322589	11231995	0.85	cps
Molybdenum	98-1	28800619	29134720	29243335	29059558	0.79	cps
Neodymium	150-1	137	113	173	141	21.43	cps
Neodymium	150-2	80	50	63	64	23.32	cps
Nickel	60-2	570053	569980	569051	569695	0.10	cps
Phosphorus	31-2	84302	84459	84208	84323	0.15	cps
Potassium	39-2	46064774	46152914	45424568	45880752	0.87	cps
Rhodium	103-1	6601271	6612868	6421452	6545197	1.64	cps
Rhodium	103-2	4123619	4106705	4055685	4095336	0.86	cps
Scandium	45-1	4356448	4469415	4308618	4378160	1.89	cps
Scandium	45-2	350604	353059	350587	351417	0.40	cps
Selenium	82-1	58376	58292	58387	58352	0.09	cps
Selenium	77-2	6628	6712	6885	6742	1.94	cps
Selenium	78-2	22173	22764	22627	22522	1.37	cps
Silicon	28-1	6098137	6257694	6164730	6173520	1.30	cps
Silver	107-1	4459513	4521366	4444884	4475254	0.91	cps
Silver	109-1	4226025	4218189	4319478	4254564	1.32	cps
Sodium	23-2	122674442	122263085	123284688	122740738	0.42	cps
Strontium	86-1	964702	984709	999660	983024	1.78	cps
Strontium	88-1	10136747	10304362	10522035	10321048	1.87	cps
Sulfur	34-1	428554	428935	422197	426562	0.89	cps
Terbium	159-1	8179148	7988674	8069153	8078992	1.18	cps
Terbium	159-2	6384968	6286408	6376218	6349198	0.86	cps
Thallium	203-1	2823703	2960864	2900248	2894938	2.37	cps
Thallium	205-1	6791180	6928436	6667064	6795560	1.92	cps
Tin	118-1	2718859	2782459	2750705	2750674	1.16	cps
Titanium	47-1	4757671	4991556	4910940	4886723	2.43	cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCV06	Instrumnet Name :	P7
Client Sample ID :	CCV06	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 17:37:32	DataFile Name :	092CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	7880840	8230035	8204891	8105255	2.40	cps
Vanadium	51-2	1413018	1463678	1413672	1430122	2.03	cps
Yttrium	89-1	10756108	10465069	10788843	10670007	1.67	cps
Yttrium	89-2	3119567	3039964	3074639	3078057	1.30	cps
Zinc	66-2	3720623	3606096	3612341	3646353	1.77	cps
Zirconium	90-1	6097209	6328952	6449453	6291871	2.85	cps
Zirconium	91-1	1157864	1179142	1178909	1171972	1.04	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCB06	Instrumnet Name :	P7
Client Sample ID :	CCB06	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 17:47:19	DataFile Name :	093CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	473	410	450	444	7.21	cps
Antimony	121-1	353	287	313	318	10.56	cps
Arsenic	75-2	7	0	17	8	107.84	cps
Barium	135-1	30	20	33	28	24.98	cps
Barium	137-1	73	53	47	58	24.02	cps
Beryllium	9-1	0	7	10	6	88.26	cps
Bismuth	209-1	4548400	4479471	4518930	4515600	0.77	cps
Bismuth	209-2	4444361	4317283	4384235	4381960	1.45	cps
Bromine	81-1	10067	10237	9950	10085	1.43	cps
Bromine	81-2	207	217	260	228	12.45	cps
Cadmium	108-1	7	7	13	9	43.25	cps
Cadmium	106-1	1907	1863	1920	1897	1.56	cps
Cadmium	111-1	1340	1316	1355	1337	1.45	cps
Calcium	43-1	377	317	293	329	13.07	cps
Calcium	44-1	46782	46133	46347	46421	0.71	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2070	2053	2124	2082	1.76	cps
Cobalt	59-2	87	87	83	86	2.25	cps
Copper	63-2	1033	810	993	946	12.59	cps
Dysprosium	156-1	3	7	13	8	65.47	cps
Dysprosium	156-2	3	7	0	3	100.05	cps
Erbium	164-1	30	60	40	43	35.25	cps
Erbium	164-2	50	30	30	37	31.49	cps
Gadolinium	160-1	33	43	50	42	19.87	cps
Gadolinium	160-2	367	290	330	329	11.66	cps
Holmium	165-1	7415774	7395682	7683208	7498221	2.14	cps
Holmium	165-2	6195761	6204816	6140878	6180485	0.56	cps
Indium	115-1	6376160	6540320	6457292	6457924	1.27	cps
Indium	115-2	2626841	2649182	2596034	2624019	1.02	cps
Iron	56-2	21656	21509	20981	21382	1.66	cps
Iron	57-2	1353	1430	1337	1373	3.62	cps
Iron	54-2	2650	2584	2544	2592	2.08	cps
Krypton	83-1	477	483	550	503	8.06	cps

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LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCB06	Instrumnet Name :	P7
Client Sample ID :	CCB06	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 17:47:19	DataFile Name :	093CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	523	633	503	553	12.65	cps
Lead	207-1	450	457	417	441	4.86	cps
Lead	208-1	2153	2200	1987	2113	5.31	cps
Lithium	6-1	496070	499110	503752	499644	0.77	cps
Magnesium	24-2	493	580	587	553	9.41	cps
Manganese	55-2	6662	6555	6215	6477	3.60	cps
Molybdenum	94-1	437	437	450	441	1.74	cps
Molybdenum	95-1	403	353	383	380	6.62	cps
Molybdenum	96-1	447	410	470	442	6.84	cps
Molybdenum	97-1	343	357	233	311	21.76	cps
Molybdenum	98-1	607	550	620	592	6.28	cps
Neodymium	150-1	3	7	0	3	100.05	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	467	433	480	460	5.23	cps
Phosphorus	31-2	410	560	523	498	15.71	cps
Potassium	39-2	72605	73084	73868	73186	0.87	cps
Rhodium	103-1	6438857	6475684	6543372	6485971	0.82	cps
Rhodium	103-2	4237591	4344826	4335334	4305917	1.38	cps
Scandium	45-1	4106747	4165045	4172654	4148149	0.87	cps
Scandium	45-2	342097	339545	340817	340819	0.37	cps
Selenium	82-1	374	290	230	298	24.24	cps
Selenium	77-2	3	3	0	2	86.60	cps
Selenium	78-2	553	507	517	526	4.68	cps
Silicon	28-1	675833	675889	680174	677298	0.37	cps
Silver	107-1	90	120	107	106	14.24	cps
Silver	109-1	90	100	90	93	6.19	cps
Sodium	23-2	42225	42091	42301	42206	0.25	cps
Strontium	86-1	797	707	690	731	7.85	cps
Strontium	88-1	250	227	257	244	6.44	cps
Sulfur	34-1	185781	186394	187269	186481	0.40	cps
Terbium	159-1	7475950	7643779	7579355	7566361	1.12	cps
Terbium	159-2	6173934	6149637	6203076	6175549	0.43	cps
Thallium	203-1	187	200	160	182	11.18	cps
Thallium	205-1	393	350	327	357	9.49	cps
Tin	118-1	1910	1863	1863	1879	1.43	cps
Titanium	47-1	140	137	137	138	1.40	cps

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LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCB06	Instrumnet Name :	P7
Client Sample ID :	CCB06	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 17:47:19	DataFile Name :	093CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	47	30	47	41	23.41	cps
Vanadium	51-2	27	23	17	22	22.91	cps
Yttrium	89-1	10284818	10021834	10368512	10225054	1.77	cps
Yttrium	89-2	3028439	2978229	3019424	3008697	0.89	cps
Zinc	66-2	760	723	773	752	3.44	cps
Zirconium	90-1	497	704	580	593	17.54	cps
Zirconium	91-1	127	103	130	120	12.11	cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2747-10ADLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-GRILLO-TSCP0	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 17:50:55	DataFile Name :	094SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1444094	1405987	1435119	1428400	1.39	cps
Antimony	121-1	489603	495604	502691	495966	1.32	cps
Arsenic	75-2	68193	67486	65912	67197	1.74	cps
Barium	135-1	563417	565468	569656	566180	0.56	cps
Barium	137-1	967519	973390	997061	979323	1.60	cps
Beryllium	9-1	75079	75938	77370	76129	1.52	cps
Bismuth	209-1	4461052	4498868	4615311	4525077	1.78	cps
Bismuth	209-2	4658558	4654479	4642637	4651891	0.18	cps
Bromine	81-1	11254	12249	12689	12064	6.09	cps
Bromine	81-2	730	683	647	687	6.08	cps
Cadmium	108-1	10144	10294	9940	10126	1.75	cps
Cadmium	106-1	16293	16880	17067	16746	2.41	cps
Cadmium	111-1	144338	147973	146803	146372	1.27	cps
Calcium	43-1	929327	931713	947117	936052	1.03	cps
Calcium	44-1	17170748	17276826	17426846	17291473	0.74	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	273848	270181	272142	272057	0.67	cps
Cobalt	59-2	464612	462903	460169	462561	0.48	cps
Copper	63-2	3679025	3610967	3617536	3635843	1.03	cps
Dysprosium	156-1	6902	7105	6855	6954	1.91	cps
Dysprosium	156-2	7472	7162	7592	7409	3.00	cps
Erbium	164-1	9333	9163	9377	9291	1.21	cps
Erbium	164-2	7802	7929	7649	7793	1.80	cps
Gadolinium	160-1	7419	7579	7615	7538	1.39	cps
Gadolinium	160-2	6682	6648	6825	6718	1.40	cps
Holmium	165-1	7995556	7698421	7745945	7813307	2.04	cps
Holmium	165-2	6749770	6569987	6603747	6641168	1.44	cps
Indium	115-1	6849554	6685733	6700670	6745319	1.34	cps
Indium	115-2	2733720	2742571	2783012	2753101	0.95	cps
Iron	56-2	23466664	23099750	22763354	23109923	1.52	cps
Iron	57-2	525345	520694	521791	522610	0.47	cps
Iron	54-2	1130574	1127982	1121793	1126783	0.40	cps
Krypton	83-1	473	540	577	530	9.88	cps

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Inst Id :P7
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LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2747-10ADLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-GRILLO-TSCP0	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 17:50:55	DataFile Name :	094SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2203106	2108101	2189251	2166819	2.37	cps
Lead	207-1	1854781	1813242	1880213	1849412	1.83	cps
Lead	208-1	8403509	8326917	8554645	8428357	1.37	cps
Lithium	6-1	518294	515228	523614	519046	0.82	cps
Magnesium	24-2	5809198	5850280	5834144	5831208	0.35	cps
Manganese	55-2	6476412	6535891	6413994	6475432	0.94	cps
Molybdenum	94-1	878415	928836	931902	913051	3.29	cps
Molybdenum	95-1	972864	1023812	1023389	1006689	2.91	cps
Molybdenum	96-1	1085321	1123053	1144481	1117618	2.68	cps
Molybdenum	97-1	612399	624467	632978	623281	1.66	cps
Molybdenum	98-1	1829931	1942400	1969007	1913779	3.86	cps
Neodymium	150-1	9547	9020	9460	9342	3.02	cps
Neodymium	150-2	6495	6492	6221	6403	2.45	cps
Nickel	60-2	121324	121223	121246	121264	0.04	cps
Phosphorus	31-2	15868	15611	16172	15884	1.77	cps
Potassium	39-2	6632817	6525516	6443319	6533884	1.45	cps
Rhodium	103-1	6742842	6849884	6836655	6809793	0.86	cps
Rhodium	103-2	4442043	4466536	4447798	4452126	0.29	cps
Scandium	45-1	4362334	4403521	4447777	4404544	0.97	cps
Scandium	45-2	363494	360384	359317	361065	0.60	cps
Selenium	82-1	11060	11034	10859	10984	1.00	cps
Selenium	77-2	1163	1197	1183	1181	1.42	cps
Selenium	78-2	4784	4761	4551	4699	2.74	cps
Silicon	28-1	10435116	10371549	10743659	10516775	1.89	cps
Silver	107-1	114891	120788	118786	118155	2.54	cps
Silver	109-1	108922	111241	113948	111370	2.26	cps
Sodium	23-2	5500385	5509482	5508688	5506185	0.09	cps
Strontium	86-1	469053	484340	495363	482919	2.74	cps
Strontium	88-1	4953305	4982125	5113976	5016469	1.71	cps
Sulfur	34-1	2262425	2254487	2285822	2267578	0.72	cps
Terbium	159-1	7981577	8063689	7990252	8011839	0.56	cps
Terbium	159-2	6506681	6455720	6445224	6469208	0.51	cps
Thallium	203-1	409101	403433	415156	409230	1.43	cps
Thallium	205-1	975961	971283	977947	975063	0.35	cps
Tin	118-1	371626	380470	382141	378079	1.49	cps
Titanium	47-1	2930	5249	3100	3760	34.37	cps

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Inst Id :P7
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LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	Q2747-10ADLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-GRILLO-TSCP0	Dilution Factor :	5
Date & Time Acquired :	2025-08-05 17:50:55	DataFile Name :	094SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	1098631	1088886	1106179	1097898	0.79	cps
Vanadium	51-2	274131	277600	274611	275447	0.68	cps
Yttrium	89-1	10761227	11116823	11015767	10964606	1.67	cps
Yttrium	89-2	3288782	3225905	3272806	3262497	1.00	cps
Zinc	66-2	817745	797979	801040	805588	1.32	cps
Zirconium	90-1	901842	941332	965139	936104	3.42	cps
Zirconium	91-1	200146	211423	213415	208328	3.43	cps

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Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCV07	Instrumnet Name :	P7
Client Sample ID :	CCV07	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 17:53:58	DataFile Name :	095CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	9103933	9529168	9209567	9280889	2.39	cps
Antimony	121-1	3176925	3236109	3224414	3212483	0.98	cps
Arsenic	75-2	186916	190853	188358	188709	1.06	cps
Barium	135-1	3794094	3868421	3947538	3870018	1.98	cps
Barium	137-1	6615552	6835472	6682047	6711024	1.68	cps
Beryllium	9-1	416083	417489	416903	416825	0.17	cps
Bismuth	209-1	4411582	4332996	4300987	4348522	1.31	cps
Bismuth	209-2	4327002	4287105	4151952	4255353	2.16	cps
Bromine	81-1	10227	10541	10427	10398	1.53	cps
Bromine	81-2	237	220	220	226	4.27	cps
Cadmium	108-1	53448	54448	53271	53723	1.18	cps
Cadmium	106-1	77727	76879	76661	77089	0.73	cps
Cadmium	111-1	750918	755648	752075	752880	0.33	cps
Calcium	43-1	4952316	5077495	4998541	5009451	1.26	cps
Calcium	44-1	80887509	82151647	81691904	81577020	0.78	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1689293	1764252	1713837	1722461	2.22	cps
Cobalt	59-2	2634523	2655028	2602286	2630612	1.01	cps
Copper	63-2	20013084	20342955	20327448	20227829	0.92	cps
Dysprosium	156-1	150	197	153	167	15.62	cps
Dysprosium	156-2	287	260	287	278	5.54	cps
Erbium	164-1	377	407	417	400	5.20	cps
Erbium	164-2	310	283	290	294	4.71	cps
Gadolinium	160-1	237	213	147	199	23.48	cps
Gadolinium	160-2	470	470	493	478	2.82	cps
Holmium	165-1	7827401	7787902	7759346	7791550	0.44	cps
Holmium	165-2	6592271	6467942	6495679	6518631	1.00	cps
Indium	115-1	6439704	6558094	6370005	6455934	1.47	cps
Indium	115-2	2576081	2616895	2561625	2584867	1.11	cps
Iron	56-2	394209127	406034594	401422327	400555350	1.49	cps
Iron	57-2	9795712	9916237	9953177	9888375	0.83	cps
Iron	54-2	22277901	21620913	22071476	21990097	1.53	cps
Krypton	83-1	537	510	487	511	4.89	cps

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Inst Id :P7
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LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCV07	Instrumnet Name :	P7
Client Sample ID :	CCV07	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 17:53:58	DataFile Name :	095CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	11380640	11875396	11507207	11587748	2.22	cps
Lead	207-1	9708839	9585660	9556046	9616848	0.84	cps
Lead	208-1	43973775	44794298	44180482	44316185	0.96	cps
Lithium	6-1	519626	521045	520318	520330	0.14	cps
Magnesium	24-2	80701964	80815009	79150790	80222588	1.16	cps
Manganese	55-2	14269577	14240650	14370580	14293602	0.48	cps
Molybdenum	94-1	12462051	12822551	12878967	12721190	1.78	cps
Molybdenum	95-1	18275554	18367650	18422491	18355232	0.40	cps
Molybdenum	96-1	19361171	19788014	19663693	19604292	1.12	cps
Molybdenum	97-1	11037891	11327480	11438130	11267834	1.83	cps
Molybdenum	98-1	28553252	29069359	29375119	28999243	1.43	cps
Neodymium	150-1	143	150	117	137	12.91	cps
Neodymium	150-2	53	60	60	58	6.67	cps
Nickel	60-2	577512	573606	576736	575951	0.36	cps
Phosphorus	31-2	84935	84835	86356	85375	1.00	cps
Potassium	39-2	47065788	46847249	46486193	46799743	0.63	cps
Rhodium	103-1	6400293	6558321	6460314	6472976	1.23	cps
Rhodium	103-2	4181991	4302104	4148041	4210712	1.92	cps
Scandium	45-1	4381729	4407501	4379207	4389479	0.36	cps
Scandium	45-2	359047	356503	352876	356142	0.87	cps
Selenium	82-1	58131	58890	59161	58728	0.91	cps
Selenium	77-2	6518	6555	6928	6667	3.40	cps
Selenium	78-2	22387	22771	23021	22726	1.41	cps
Silicon	28-1	6180649	6216085	6216805	6204513	0.33	cps
Silver	107-1	4458813	4421189	4527428	4469143	1.21	cps
Silver	109-1	4211592	4236780	4206399	4218257	0.39	cps
Sodium	23-2	122215772	121456005	118555318	120742365	1.60	cps
Strontium	86-1	977067	985629	991464	984720	0.74	cps
Strontium	88-1	10253014	10309563	10429621	10330733	0.87	cps
Sulfur	34-1	430261	428597	427917	428925	0.28	cps
Terbium	159-1	7781752	8114518	7958669	7951646	2.09	cps
Terbium	159-2	6234527	6317653	6338214	6296798	0.87	cps
Thallium	203-1	2860331	2856437	2807877	2841548	1.03	cps
Thallium	205-1	6728294	6819868	6790279	6779480	0.69	cps
Tin	118-1	2729943	2749956	2739201	2739700	0.37	cps
Titanium	47-1	4947338	5038552	4966805	4984231	0.96	cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCV07	Instrumnet Name :	P7
Client Sample ID :	CCV07	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 17:53:58	DataFile Name :	095CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8131084	8030427	8221934	8127815	1.18	cps
Vanadium	51-2	1485113	1481260	1470736	1479036	0.50	cps
Yttrium	89-1	10782893	10729960	10733954	10748935	0.27	cps
Yttrium	89-2	3087028	3157029	3080834	3108297	1.36	cps
Zinc	66-2	3634655	3656160	3569985	3620266	1.24	cps
Zirconium	90-1	6201365	6303657	6345876	6283632	1.18	cps
Zirconium	91-1	1151613	1179514	1171366	1167498	1.23	cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCB07	Instrumnet Name :	P7
Client Sample ID :	CCB07	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 18:00:25	DataFile Name :	096CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	403	390	457	417	8.47	cps
Antimony	121-1	407	347	393	382	8.24	cps
Arsenic	75-2	7	0	0	2	173.21	cps
Barium	135-1	37	30	53	40	30.04	cps
Barium	137-1	23	63	90	59	56.98	cps
Beryllium	9-1	7	7	10	8	23.33	cps
Bismuth	209-1	4479804	4390957	4465568	4445443	1.07	cps
Bismuth	209-2	4556163	4407149	4420365	4461226	1.85	cps
Bromine	81-1	9683	10414	10150	10082	3.67	cps
Bromine	81-2	260	210	227	232	10.97	cps
Cadmium	108-1	13	7	17	12	41.65	cps
Cadmium	106-1	1793	1830	1883	1836	2.47	cps
Cadmium	111-1	1266	1290	1317	1291	1.96	cps
Calcium	43-1	287	303	313	301	4.47	cps
Calcium	44-1	45869	46013	46016	45966	0.18	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2063	2104	1893	2020	5.52	cps
Cobalt	59-2	63	83	57	68	20.47	cps
Copper	63-2	957	950	920	942	2.07	cps
Dysprosium	156-1	0	3	13	6	124.93	cps
Dysprosium	156-2	0	7	3	3	100.05	cps
Erbium	164-1	50	43	53	49	10.42	cps
Erbium	164-2	27	30	43	33	26.45	cps
Gadolinium	160-1	43	27	37	36	23.58	cps
Gadolinium	160-2	373	293	360	342	12.52	cps
Holmium	165-1	7506533	7414897	7392841	7438090	0.81	cps
Holmium	165-2	6374610	6238672	6208094	6273792	1.41	cps
Indium	115-1	6678050	6498354	6504843	6560416	1.55	cps
Indium	115-2	2654765	2586493	2693526	2644928	2.05	cps
Iron	56-2	21959	21939	21412	21770	1.43	cps
Iron	57-2	1417	1380	1300	1366	4.37	cps
Iron	54-2	2527	2624	2570	2574	1.88	cps
Krypton	83-1	567	453	447	489	13.80	cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCB07	Instrumnet Name :	P7
Client Sample ID :	CCB07	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 18:00:25	DataFile Name :	096CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	583	527	497	536	8.22	cps
Lead	207-1	380	483	480	448	13.11	cps
Lead	208-1	2113	2050	2080	2081	1.52	cps
Lithium	6-1	500073	506163	510953	505730	1.08	cps
Magnesium	24-2	623	693	640	652	5.61	cps
Manganese	55-2	6952	6185	6485	6540	5.91	cps
Molybdenum	94-1	387	463	397	416	10.03	cps
Molybdenum	95-1	387	393	393	391	0.98	cps
Molybdenum	96-1	443	483	430	452	6.14	cps
Molybdenum	97-1	270	250	293	271	8.00	cps
Molybdenum	98-1	537	510	550	532	3.83	cps
Neodymium	150-1	3	10	3	6	69.34	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	397	460	447	434	7.68	cps
Phosphorus	31-2	537	517	467	507	7.12	cps
Potassium	39-2	73868	74099	75338	74435	1.06	cps
Rhodium	103-1	6565620	6521792	6549671	6545694	0.34	cps
Rhodium	103-2	4234977	4238784	4209730	4227830	0.37	cps
Scandium	45-1	4204508	4109339	4220582	4178143	1.44	cps
Scandium	45-2	342106	340547	339559	340737	0.38	cps
Selenium	82-1	211	361	350	307	27.20	cps
Selenium	77-2	13	0	3	6	124.93	cps
Selenium	78-2	470	510	467	482	5.00	cps
Silicon	28-1	673124	737420	680629	697058	5.04	cps
Silver	107-1	120	127	113	120	5.55	cps
Silver	109-1	107	140	80	109	27.61	cps
Sodium	23-2	43729	44294	43678	43900	0.78	cps
Strontium	86-1	747	917	720	794	13.43	cps
Strontium	88-1	233	253	253	247	4.68	cps
Sulfur	34-1	178533	178479	178816	178609	0.10	cps
Terbium	159-1	7627048	7775668	7689407	7697374	0.97	cps
Terbium	159-2	6120682	6018085	6083823	6074197	0.86	cps
Thallium	203-1	230	243	210	228	7.37	cps
Thallium	205-1	487	550	467	501	8.68	cps
Tin	118-1	1867	1740	1873	1827	4.11	cps
Titanium	47-1	133	117	110	120	10.02	cps

Reviewed By:Janvi
On:8/12/2025 3:59:14 PM
Inst Id :P7
LB :LB136712

LB Number :	LB136712	Operator :	Jaswal
Lab Sample ID :	CCB07	Instrumnet Name :	P7
Client Sample ID :	CCB07	Dilution Factor :	1
Date & Time Acquired :	2025-08-05 18:00:25	DataFile Name :	096CCBE.d

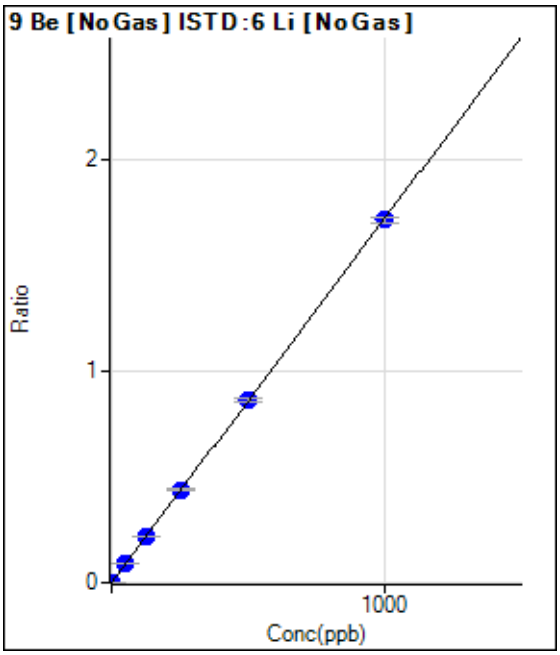
Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	63	43	37	48	29.04	cps
Vanadium	51-2	13	30	23	22	37.76	cps
Yttrium	89-1	10223473	10304266	10360932	10296224	0.67	cps
Yttrium	89-2	3041562	3057244	3007262	3035356	0.84	cps
Zinc	66-2	640	653	643	646	1.07	cps
Zirconium	90-1	630	553	717	633	12.90	cps
Zirconium	91-1	123	130	110	121	8.41	cps

Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

Batch Folder: D:\Agilent\ICPMH\1\DATA\P7081225 MS.b\
Analysis File: P7081225 MS.batch.bin
DA Date-Time: 2025-08-12 12:32:09
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	004CALB.d	S00	2025-08-12 10:08:13
2	005CALS.d	S02	2025-08-12 10:11:31
3	007CALS.d	S03	2025-08-12 10:18:06
4	008CALS.d	S04	2025-08-12 10:21:17
5	009CALS.d	S05	2025-08-12 10:24:15
6	010CALS.d	S06	2025-08-12 10:27:09
7	011CALS.d	S07	2025-08-12 10:29:53
8	012CALS.d	S08	2025-08-12 10:32:43

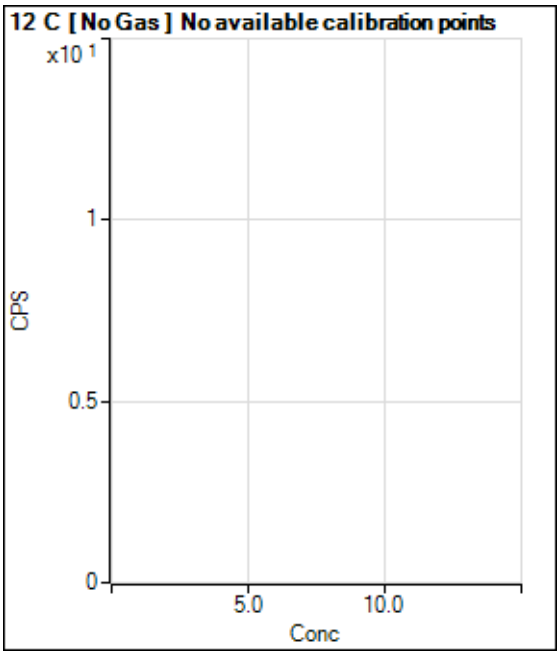
Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	4.50	0.0000	P	85.6
2	☐	1.000	1.118	889.09	0.0019	P	2.4
3	☐	50.000	51.900	42955.82	0.0891	P	1.4
4	☐	125.000	127.501	104496.26	0.2188	P	1.3
5	☐	250.000	254.910	208911.85	0.4375	P	1.4
6	☐	500.000	502.398	409328.51	0.8622	P	1.3
7	☐	1000.000	997.165	808331.99	1.7113	P	1.3
8	☐			361.09	0.0008	P	7.4

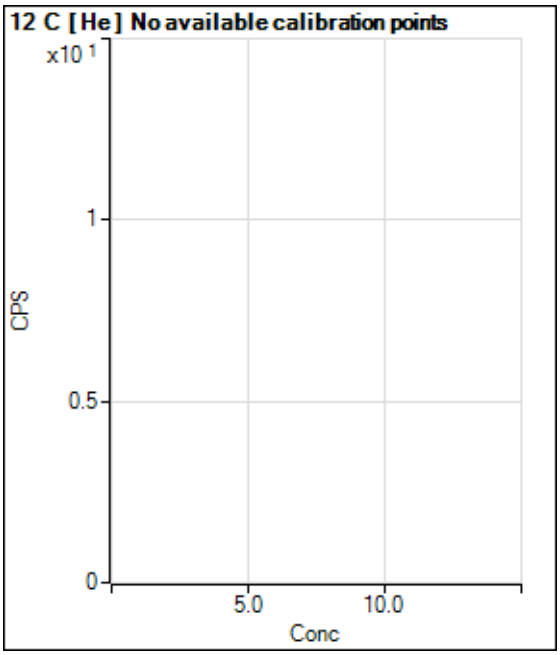
y = 0.0017 * x + 9.5777E-006
R = 1.0000
DL = 0.01434
BEC = 0.005581

Weight: <None>
Min Conc: 0

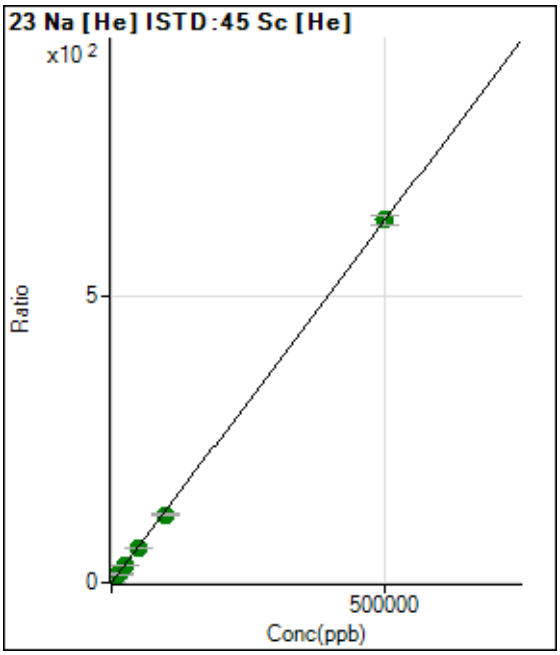


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						

Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790



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

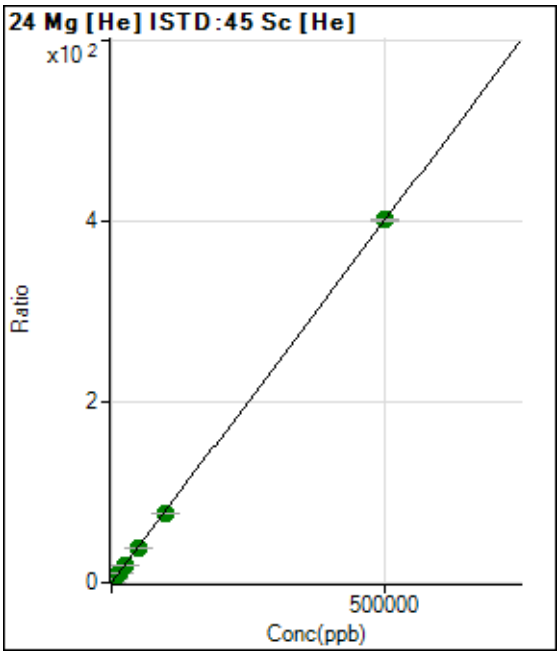


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	26459.44	0.0665	P	0.5
2	☐	500.000	465.759	256991.84	0.6533	P	1.3
3	☐	5000.000	4879.370	2450783.02	6.2136	A	1.5
4	☐	12500.000	11997.735	5974064.01	15.1813	A	1.5
5	☐	25000.000	24164.647	12031298.29	30.5091	A	0.3
6	☐	50000.000	47125.466	23623244.10	59.4352	A	1.4
7	☐	100000.00	93848.415	47056618.74	118.2968	A	1.1
8	☐	500000.00	501573.33	252250240.6	631.9487	A	2.3

y = 0.0013 * x + 0.0665
R = 0.9999
DL = 0.7258
BEC = 52.8

Weight: <None>
Min Conc: 0

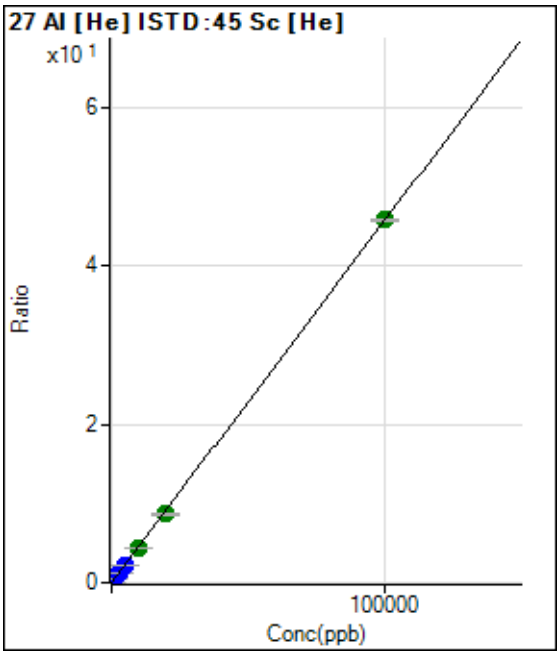
Reviewed By:Janvi
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LB :LB136790



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	264.45	0.0007	P	19.0
2	☐	500.000	477.291	150503.46	0.3826	P	0.4
3	☐	5000.000	4911.088	1550264.56	3.9304	A	0.9
4	☐	12500.000	12137.555	3822195.71	9.7128	A	1.8
5	☐	25000.000	24359.149	7686475.23	19.4922	A	1.2
6	☐	50000.000	47310.569	15047747.14	37.8574	A	0.6
7	☐	100000.00	95105.424	30273390.94	76.1016	A	0.8
8	☐	500000.00	501289.87	160120504.2	401.1199	A	0.5

y = 8.0017E-004 * x + 6.6472E-004
R = 0.9999
DL = 0.4724
BEC = 0.8307

Weight: <None>
Min Conc: 0

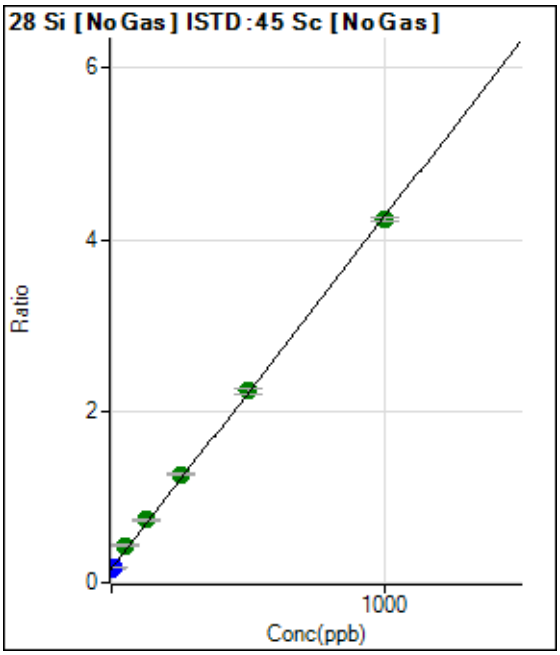


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	330.00	0.0008	P	7.7
2	☐	20.000	20.931	4087.25	0.0104	P	0.1
3	☐	1000.000	980.011	176883.33	0.4484	P	0.9
4	☐	2500.000	2416.040	434549.42	1.1043	P	0.1
5	☐	5000.000	4820.996	868652.11	2.2028	P	0.6
6	☐	10000.000	9515.200	1727656.47	4.3468	A	2.3
7	☐	20000.000	18962.634	3445485.61	8.6619	A	1.4
8	☐	100000.00	100267.20	18282123.62	45.7973	A	0.6

y = 4.5674E-004 * x + 8.2967E-004
R = 0.9999
DL = 0.4169
BEC = 1.816

Weight: <None>
Min Conc: 0

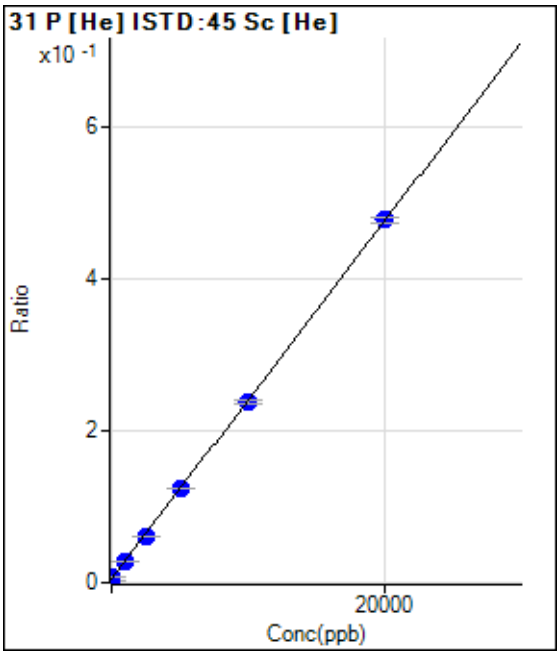
Reviewed By:Janvi
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Inst Id :P7
LB :LB136790



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	612964.79	0.1618	P	1.6
2	☐	10.000	2.340	641554.31	0.1714	P	2.3
3	☐	50.000	66.976	1612782.93	0.4369	A	3.1
4	☐	125.000	140.186	2719576.87	0.7376	A	2.8
5	☐	250.000	268.923	4653356.77	1.2663	A	2.8
6	☐	500.000	504.043	8424895.08	2.2320	A	2.3
7	☐	1000.000	990.577	15877483.10	4.2304	A	0.9
8	☐			734003.02	0.2011	P	0.7

y = 0.0041 * x + 0.1618
R = 0.9996
DL = 1.864
BEC = 39.4

Weight: <None>
Min Conc: 0

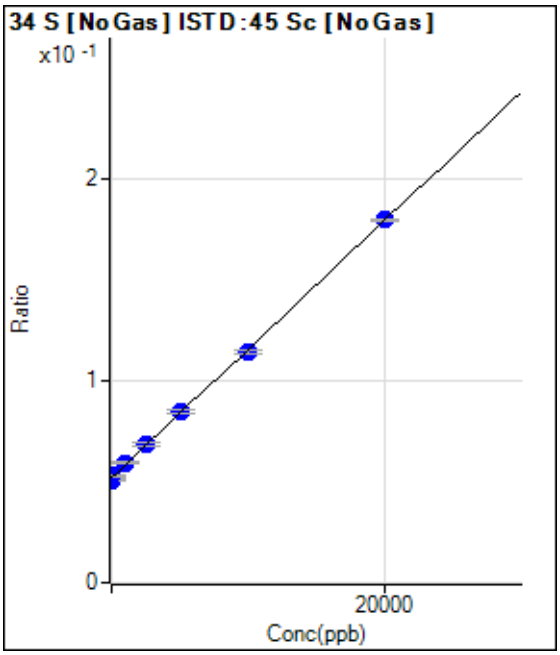


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-136.229	865.59	0.0022	P	6.7
2	☐	0.000	136.229	3380.41	0.0086	P	4.3
3	☐	1000.000	907.774	10557.08	0.0268	P	0.7
4	☐	2500.000	2400.903	24369.54	0.0619	P	0.5
5	☐	5000.000	5033.497	48872.59	0.1239	P	1.1
6	☐	10000.000	9862.796	94471.50	0.2377	P	1.8
7	☐	20000.000	20077.226	190238.86	0.4783	P	1.4
8	☐			1027.82	0.0026	P	6.6

y = 2.3553E-005 * x + 0.0054
R = 0.9999
DL = 32.96
BEC = 228.6

Weight: <None>
Min Conc: 0

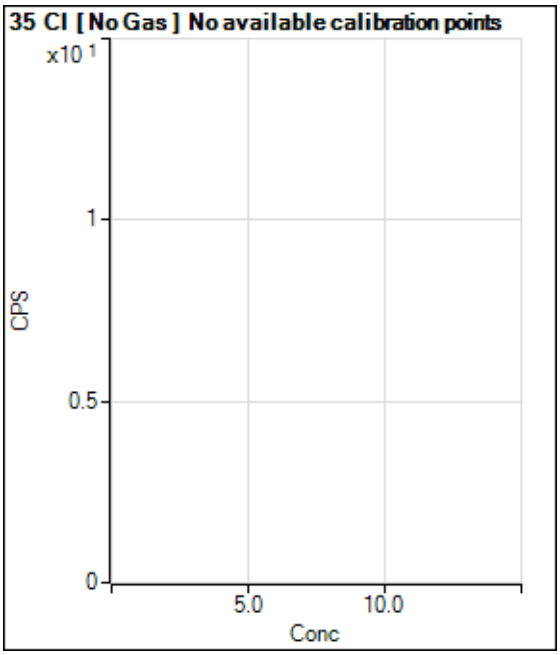
Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-192.142	192178.57	0.0507	P	1.4
2	☐	0.000	192.142	199031.24	0.0532	P	1.4
3	☐	1000.000	1174.480	219405.78	0.0594	P	1.4
4	☐	2500.000	2630.103	253359.94	0.0687	P	2.1
5	☐	5000.000	5174.857	312088.06	0.0849	P	1.9
6	☐	10000.000	9800.373	431788.25	0.1144	P	1.5
7	☐	20000.000	20031.112	673952.14	0.1796	P	0.5
8	☐			177427.82	0.0486	P	2.1

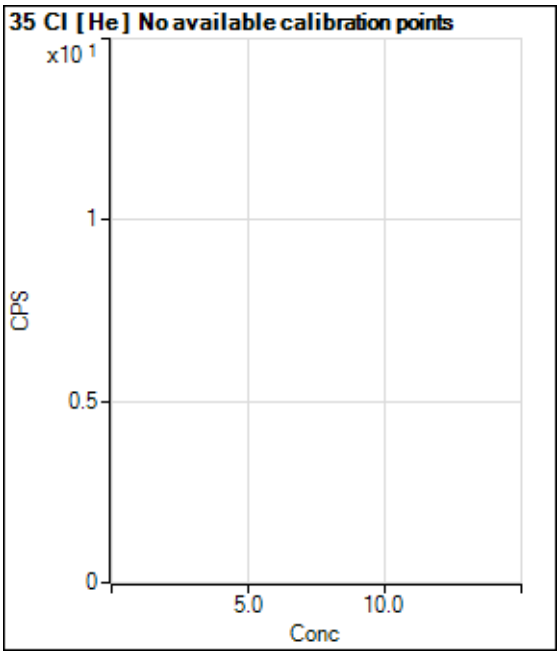
y = 6.3705E-006 * x + 0.0520
R = 0.9997
DL = 344.7
BEC = 8155

Weight: <None>
Min Conc: 0

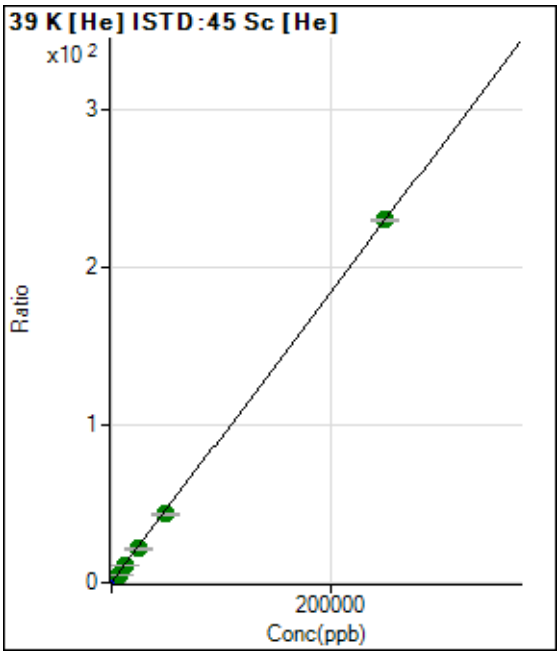


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						

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

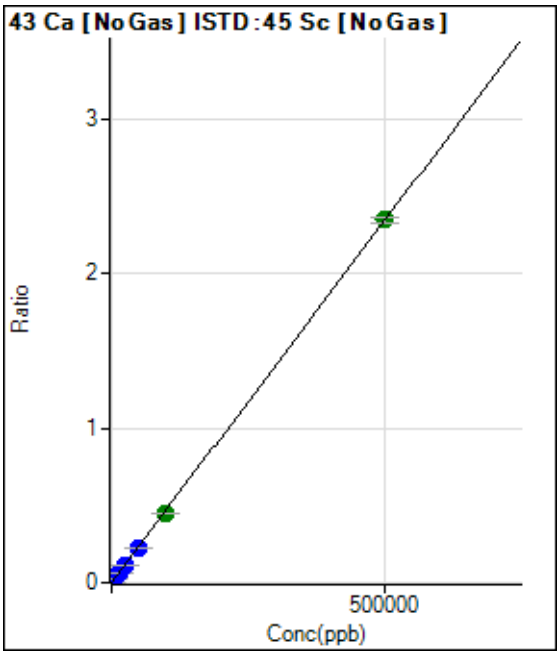


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	72886.67	0.1832	P	1.5
2	☐	500.000	485.465	247043.24	0.6280	P	1.0
3	☐	2500.000	2510.881	979569.92	2.4835	P	0.5
4	☐	6250.000	5765.579	2150427.52	5.4651	A	0.4
5	☐	12500.000	11816.543	4341103.06	11.0084	A	0.6
6	☐	25000.000	23115.307	8489734.39	21.3592	A	1.3
7	☐	50000.000	47240.164	17287236.55	43.4601	A	1.8
8	☐	250000.00	250786.64	91782845.30	229.9295	A	0.8

y = 9.1610E-004 * x + 0.1832
R = 0.9999
DL = 9.095
BEC = 200

Weight: <None>
Min Conc: 0

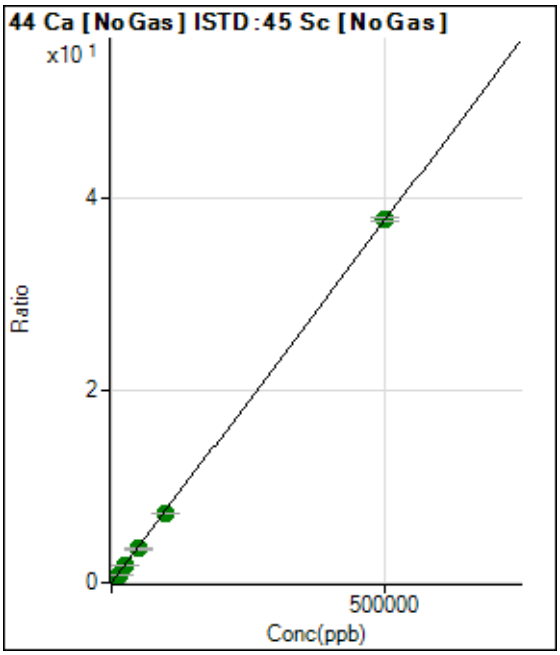
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1611.21	0.0004	P	2.8
2	☐	500.000	406.002	8709.24	0.0023	P	1.2
3	☐	5000.000	4944.565	87068.30	0.0236	P	0.1
4	☐	12500.000	12234.344	212887.06	0.0577	P	1.3
5	☐	25000.000	24808.014	428563.39	0.1166	P	2.2
6	☐	50000.000	48013.944	850517.49	0.2253	P	1.0
7	☐	100000.00	95219.766	1675685.25	0.4464	A	1.6
8	☐	500000.00	501171.54	8569425.50	2.3477	A	1.7

y = 4.6836E-006 * x + 4.2528E-004
R = 0.9999
DL = 7.569
BEC = 90.8

Weight: <None>
Min Conc: 0

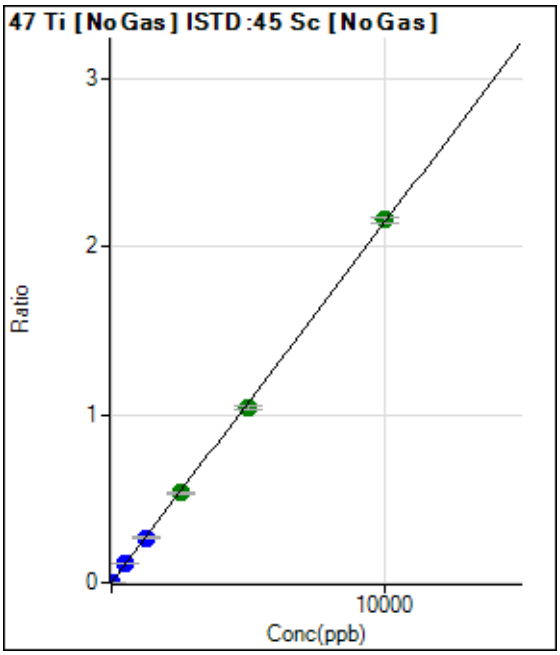


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	44489.81	0.0117	P	1.8
2	☐	500.000	422.752	163052.82	0.0436	P	0.5
3	☐	5000.000	4753.650	1364071.77	0.3695	A	1.2
4	☐	12500.000	11698.762	3290440.65	0.8922	A	1.5
5	☐	25000.000	23705.826	6599833.10	1.7959	A	2.2
6	☐	50000.000	46639.138	13294717.44	3.5219	A	1.4
7	☐	100000.00	95405.716	26994075.99	7.1922	A	1.1
8	☐	500000.00	501342.22	137759954.6	37.7441	A	1.1

y = 7.5263E-005 * x + 0.0117
R = 0.9999
DL = 8.408
BEC = 156

Weight: <None>
Min Conc: 0

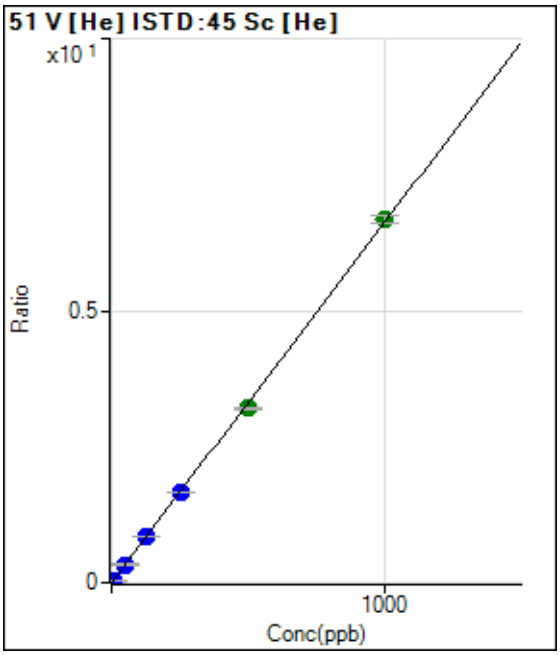
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	87.78	0.0000	P	7.1
2	☐	5.000	5.075	4155.06	0.0011	P	1.9
3	☐	500.000	511.330	404456.99	0.1096	P	0.6
4	☐	1250.000	1245.844	984196.71	0.2669	P	1.8
5	☐	2500.000	2490.398	1960495.00	0.5335	A	2.6
6	☐	5000.000	4858.108	3928606.89	1.0407	A	1.3
7	☐	10000.000	10073.299	8098551.55	2.1578	A	1.3
8	☐			3008.11	0.0008	P	1.8

y = 2.1421E-004 * x + 2.3149E-005
R = 0.9998
DL = 0.0229
BEC = 0.1081

Weight: <None>
Min Conc: 0

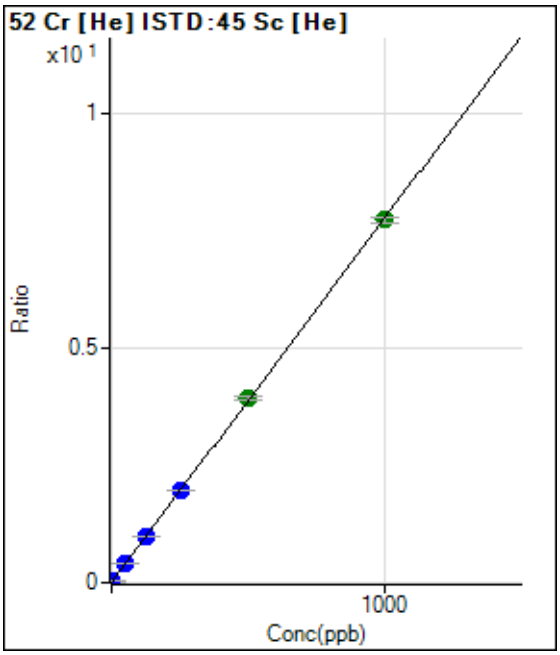


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	22.22	0.0001	P	37.9
2	☐	5.000	4.995	13043.53	0.0332	P	1.2
3	☐	50.000	50.622	132327.92	0.3355	P	0.8
4	☐	125.000	125.799	328022.39	0.8336	P	0.4
5	☐	250.000	250.856	655519.59	1.6623	P	0.6
6	☐	500.000	484.525	1276113.41	3.2107	A	1.5
7	☐	1000.000	1007.392	2655464.96	6.6754	A	2.0
8	☐			1905.70	0.0048	P	1.6

y = 0.0066 * x + 5.5884E-005
R = 0.9998
DL = 0.009587
BEC = 0.008434

Weight: <None>
Min Conc: 0

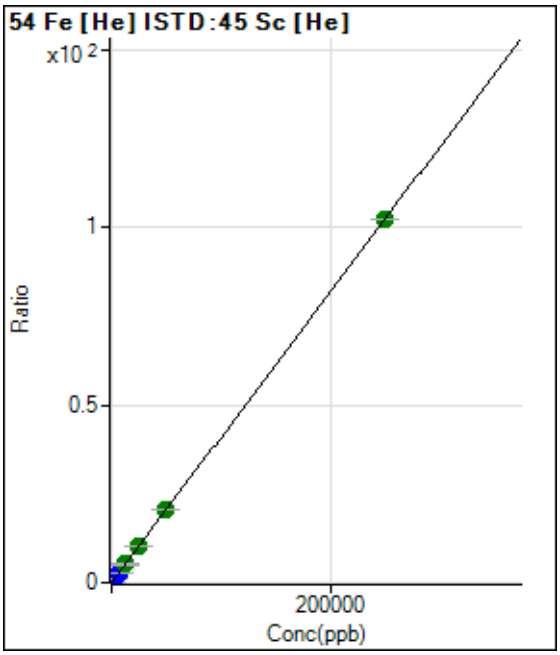
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1967.93	0.0049	P	2.6
2	☐	2.000	2.068	8267.90	0.0210	P	2.2
3	☐	50.000	51.314	159261.45	0.4038	P	0.9
4	☐	125.000	125.091	384502.39	0.9772	P	0.3
5	☐	250.000	252.836	776865.69	1.9700	P	0.5
6	☐	500.000	506.337	1566031.52	3.9403	A	1.9
7	☐	1000.000	996.045	3081432.25	7.7463	A	1.7
8	☐			19145.60	0.0480	P	1.1

y = 0.0078 * x + 0.0049
R = 1.0000
DL = 0.05057
BEC = 0.6366

Weight: <None>
Min Conc: 0

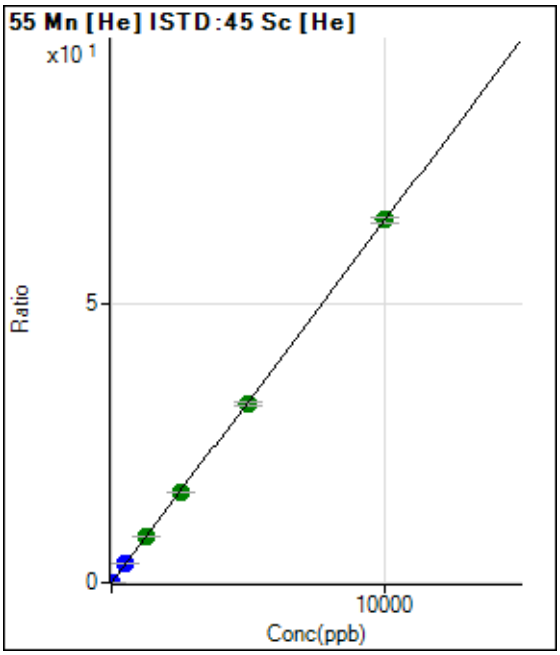


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2825.85	0.0071	P	2.8
2	☐	50.000	51.676	11088.60	0.0282	P	2.3
3	☐	2500.000	2660.794	431009.51	1.0927	P	0.4
4	☐	6250.000	6578.578	1058960.63	2.6912	P	0.2
5	☐	12500.000	12575.203	2026128.16	5.1379	A	0.6
6	☐	25000.000	24873.897	4036297.93	10.1558	A	2.3
7	☐	50000.000	50126.620	8138199.32	20.4590	A	1.7
8	☐	250000.00	249973.70	40716499.39	101.9976	A	0.1

y = 4.0800E-004 * x + 0.0071
R = 1.0000
DL = 1.474
BEC = 17.41

Weight: <None>
Min Conc: 0

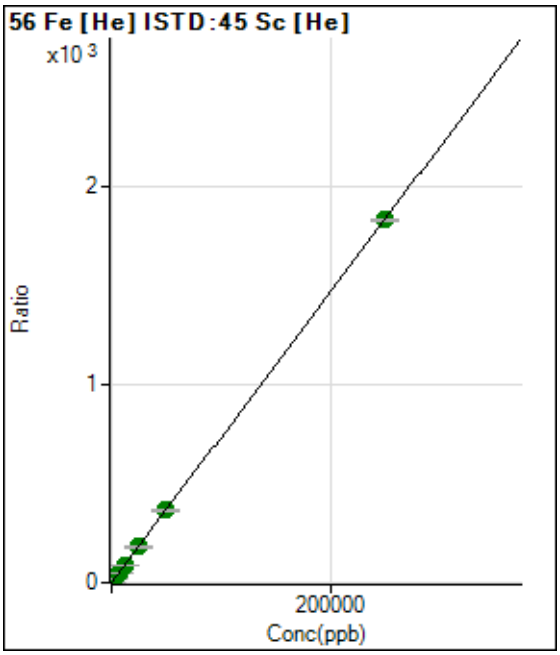
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1040.05	0.0026	P	2.5
2	☐	1.000	0.948	3452.65	0.0088	P	4.3
3	☐	500.000	510.319	1310243.82	3.3218	P	0.3
4	☐	1250.000	1260.000	3225685.30	8.1978	A	1.7
5	☐	2500.000	2505.313	6427262.75	16.2975	A	1.0
6	☐	5000.000	4942.678	12777584.11	32.1504	A	2.9
7	☐	10000.000	10025.567	25938327.11	65.2102	A	1.8
8	☐			21872.65	0.0548	P	0.6

y = 0.0065 * x + 0.0026
R = 1.0000
DL = 0.02958
BEC = 0.402

Weight: <None>
Min Conc: 0

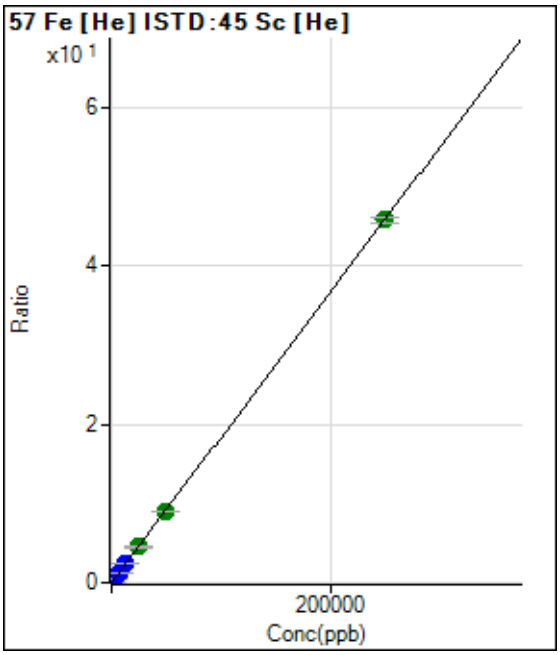


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	22098.60	0.0556	P	0.3
2	☐	50.000	51.842	171018.37	0.4347	P	1.6
3	☐	2500.000	2497.807	7227711.35	18.3242	A	0.1
4	☐	6250.000	6313.526	18191148.34	46.2318	A	0.8
5	☐	12500.000	12526.293	36151191.41	91.6711	A	0.2
6	☐	25000.000	24764.918	72015830.04	181.1826	A	2.1
7	☐	50000.000	49857.216	145064167.8	364.7040	A	2.2
8	☐	250000.00	250049.18	730060886.9	1,828.879	A	0.5

y = 0.0073 * x + 0.0556
R = 1.0000
DL = 0.05774
BEC = 7.596

Weight: <None>
Min Conc: 0

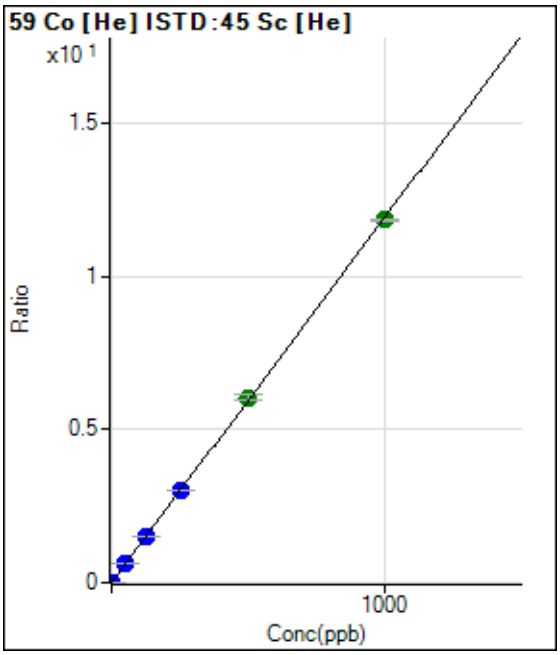
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1506.75	0.0038	P	7.3
2	☐	50.000	53.955	5372.13	0.0137	P	3.1
3	☐	2500.000	2641.903	192064.33	0.4869	P	0.8
4	☐	6250.000	6494.624	468836.45	1.1915	P	0.6
5	☐	12500.000	12969.643	936823.48	2.3756	P	0.5
6	☐	25000.000	24621.740	1791236.23	4.5066	A	2.7
7	☐	50000.000	49317.723	3589607.58	9.0229	A	0.6
8	☐	250000.00	250143.26	18261751.12	45.7494	A	1.8

y = 1.8288E-004 * x + 0.0038
R = 1.0000
DL = 4.51
BEC = 20.71

Weight: <None>
Min Conc: 0

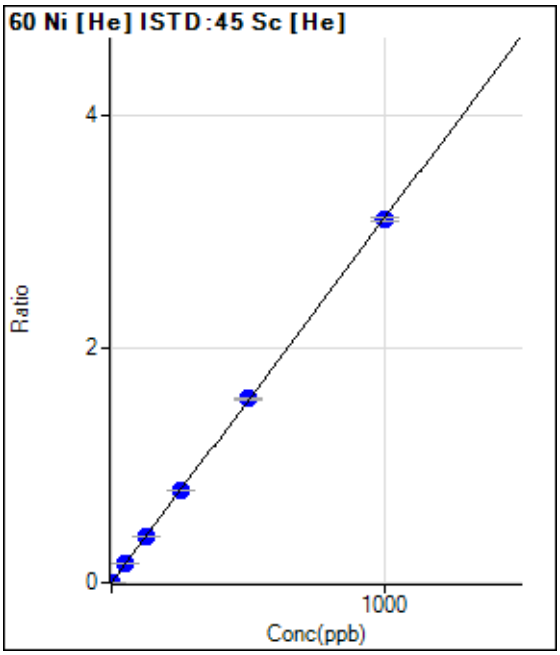


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	152.23	0.0004	P	3.5
2	☐	1.000	1.094	5270.98	0.0134	P	0.7
3	☐	50.000	51.582	242132.55	0.6139	P	0.4
4	☐	125.000	127.432	596512.30	1.5160	P	0.4
5	☐	250.000	254.819	1195265.15	3.0310	P	0.4
6	☐	500.000	507.587	2399580.99	6.0373	A	2.9
7	☐	1000.000	994.619	4705922.26	11.8297	A	0.8
8	☐			10422.58	0.0261	P	0.8

y = 0.0119 * x + 3.8272E-004
R = 0.9999
DL = 0.003367
BEC = 0.03218

Weight: <None>
Min Conc: 0

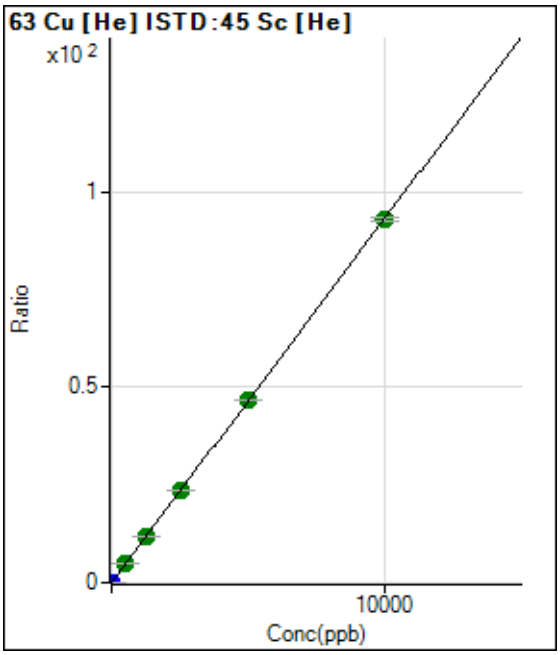
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	597.80	0.0015	P	13.7
2	☐	1.000	0.986	1799.02	0.0046	P	9.5
3	☐	50.000	52.095	64568.37	0.1637	P	0.2
4	☐	125.000	128.109	157544.17	0.4004	P	0.7
5	☐	250.000	254.786	313421.91	0.7948	P	0.5
6	☐	500.000	505.343	625991.04	1.5749	P	0.8
7	☐	1000.000	995.638	1233692.55	3.1014	P	1.0
8	☐			6023.47	0.0151	P	2.9

y = 0.0031 * x + 0.0015
R = 1.0000
DL = 0.199
BEC = 0.4827

Weight: <None>
Min Conc: 0

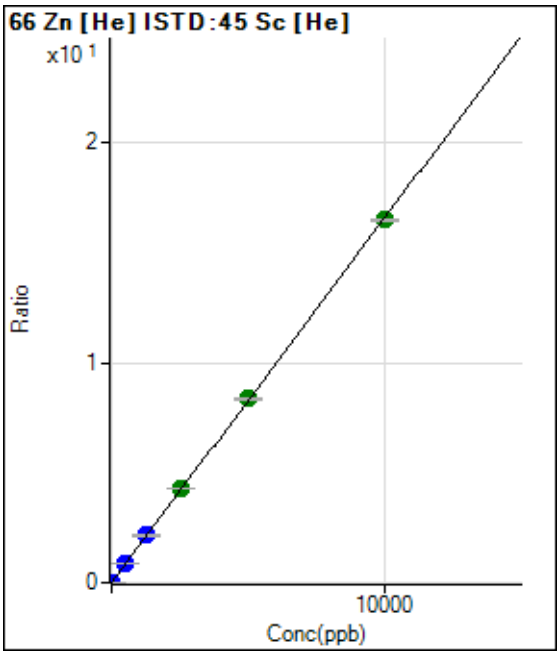


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1198.95	0.0030	P	3.2
2	☐	2.000	1.939	8287.92	0.0211	P	2.2
3	☐	500.000	525.996	1932785.01	4.9002	A	1.4
4	☐	1250.000	1279.534	4688775.10	11.9158	A	0.8
5	☐	2500.000	2539.576	9325464.03	23.6471	A	0.9
6	☐	5000.000	5028.169	18609650.83	46.8165	A	0.3
7	☐	10000.000	9971.030	36929053.34	92.8357	A	1.1
8	☐			20511.93	0.0514	P	1.3

y = 0.0093 * x + 0.0030
R = 1.0000
DL = 0.03088
BEC = 0.3237

Weight: <None>
Min Conc: 0

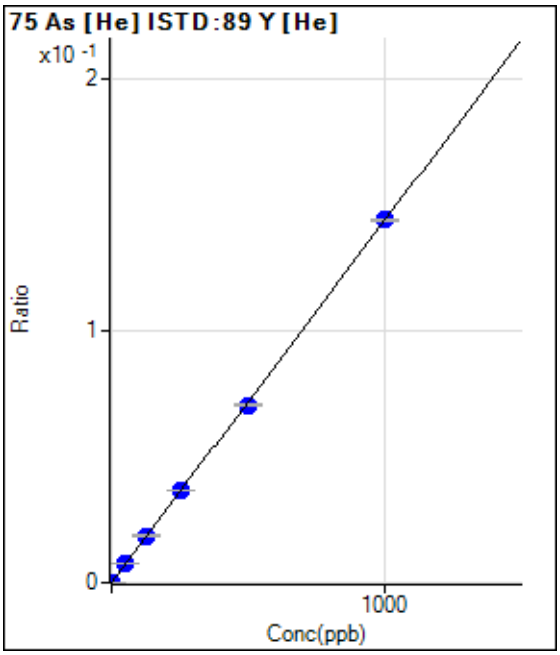
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1037.82	0.0026	P	4.4
2	☐	5.000	4.591	4020.59	0.0102	P	1.9
3	☐	500.000	529.583	347331.83	0.8806	P	0.6
4	☐	1250.000	1292.473	844137.31	2.1454	P	1.6
5	☐	2500.000	2583.512	1690101.99	4.2858	A	1.9
6	☐	5000.000	5039.854	3322677.28	8.3581	A	1.4
7	☐	10000.000	9952.407	6564793.93	16.5025	A	0.7
8	☐			5423.26	0.0136	P	1.1

y = 0.0017 * x + 0.0026
R = 0.9999
DL = 0.206
BEC = 1.574

Weight: <None>
Min Conc: 0

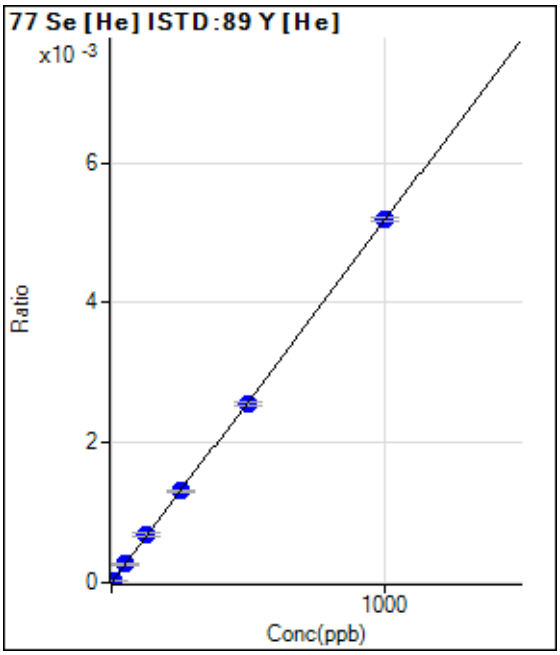


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	8.89	0.0000	P	22.0
2	☐	1.000	1.036	416.68	0.0002	P	6.1
3	☐	50.000	50.919	20198.35	0.0073	P	0.5
4	☐	125.000	129.737	49678.50	0.0187	P	2.7
5	☐	250.000	254.633	99217.20	0.0366	P	0.6
6	☐	500.000	491.050	194275.48	0.0707	P	0.7
7	☐	1000.000	1002.679	392105.51	0.1443	P	0.4
8	☐			621.13	0.0002	P	8.0

y = 1.4389E-004 * x + 3.2457E-006
R = 0.9999
DL = 0.01488
BEC = 0.02256

Weight: <None>
Min Conc: 0

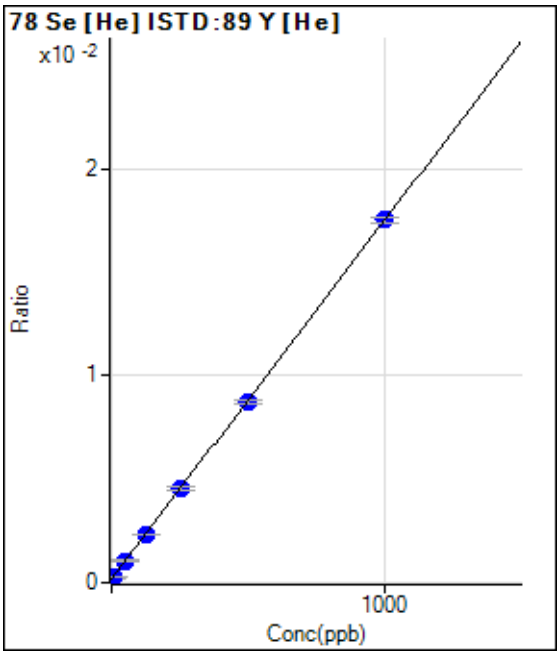
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	0.00	0.0000	P	
2	☐	5.000	4.312	61.11	0.0000	P	19.6
3	☐	50.000	51.558	735.58	0.0003	P	7.5
4	☐	125.000	133.336	1835.69	0.0007	P	7.1
5	☐	250.000	254.063	3560.46	0.0013	P	2.3
6	☐	500.000	491.835	6999.49	0.0025	P	2.1
7	☐	1000.000	1001.951	14094.59	0.0052	P	1.0
8	☐			21.11	0.0000	P	87.2

y = 5.1759E-006 * x + 0.0000E+000
R = 0.9999
DL = 0
BEC = 0

Weight: <None>
Min Conc: 0

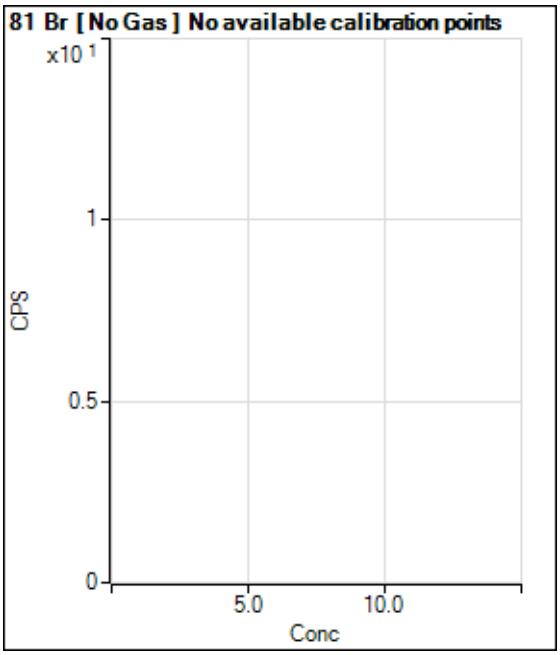


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	487.79	0.0002	P	16.6
2	☐	5.000	4.508	701.13	0.0003	P	2.8
3	☐	50.000	50.927	2921.43	0.0011	P	4.1
4	☐	125.000	124.375	6206.94	0.0023	P	1.1
5	☐	250.000	253.046	12353.03	0.0046	P	2.9
6	☐	500.000	495.438	24082.98	0.0088	P	2.4
7	☐	1000.000	1001.554	47628.91	0.0175	P	1.5
8	☐			643.36	0.0002	P	6.0

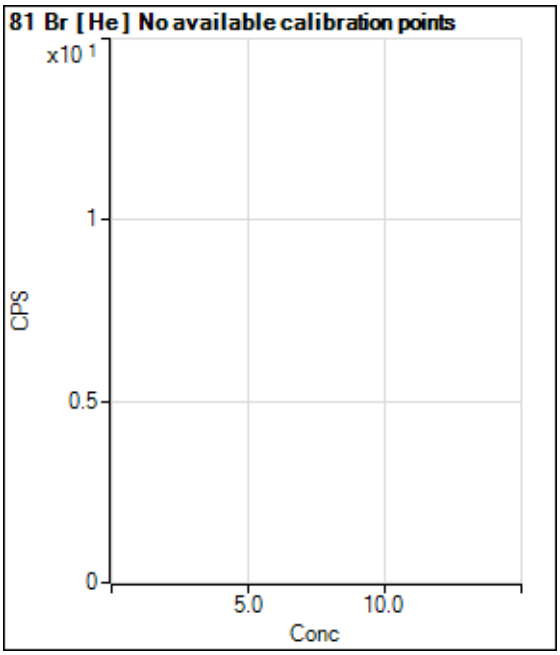
y = 1.7322E-005 * x + 1.7829E-004
R = 1.0000
DL = 5.125
BEC = 10.29

Weight: <None>
Min Conc: 0

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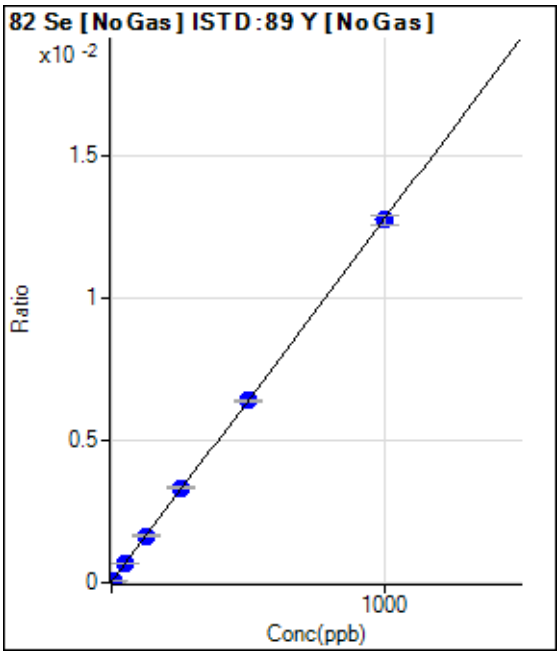


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			9308.58		P	1.4
2	☐			9229.66		P	0.7
3	☐			9097.32		P	1.7
4	☐			9067.30		P	1.0
5	☐			9017.28		P	1.8
6	☐			9326.37		P	2.4
7	☐			9545.42		P	1.8
8	☐			9704.38		P	6.1



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			151.12		P	7.1
2	☐			164.45		P	1.2
3	☐			168.89		P	6.0
4	☐			164.45		P	4.2
5	☐			167.78		P	8.3
6	☐			178.89		P	9.6
7	☐			162.23		P	18.5
8	☐			228.89		P	7.2

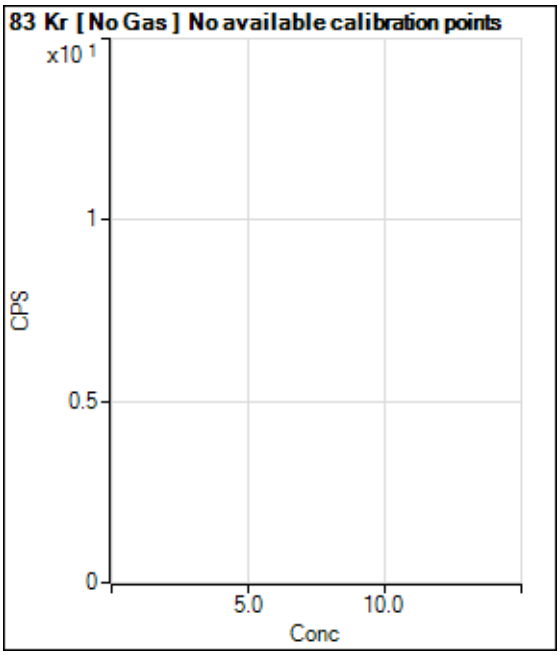
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	273.30	0.0000	P	16.1
2	☐	5.000	4.971	855.48	0.0001	P	10.0
3	☐	50.000	51.803	6353.78	0.0007	P	1.7
4	☐	125.000	127.364	15150.51	0.0016	P	1.3
5	☐	250.000	259.479	30606.77	0.0033	P	1.1
6	☐	500.000	498.793	59519.96	0.0064	P	0.6
7	☐	1000.000	997.849	118747.77	0.0127	P	2.8
8	☐			433.43	0.0000	P	18.3

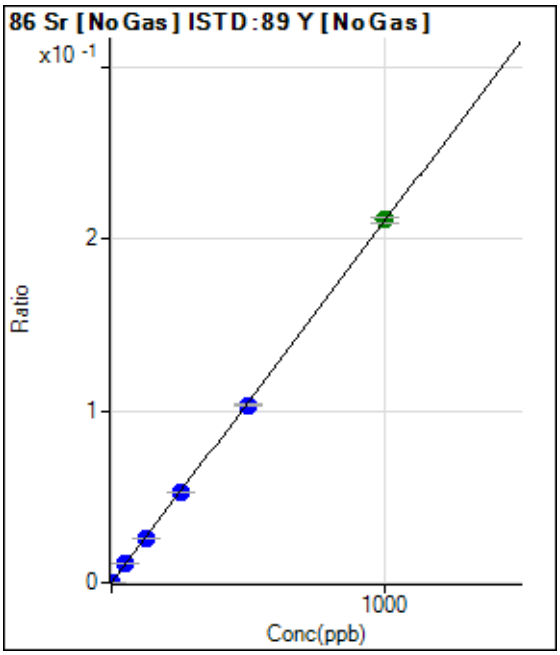
y = 1.2717E-005 * x + 2.9640E-005
R = 0.9999
DL = 1.122
BEC = 2.331

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			485.57		P	4.6
2	☐			498.90		P	8.6
3	☐			506.68		P	4.3
4	☐			465.57		P	14.0
5	☐			413.34		P	18.5
6	☐			472.23		P	1.5
7	☐			450.01		P	3.4
8	☐			504.46		P	6.3

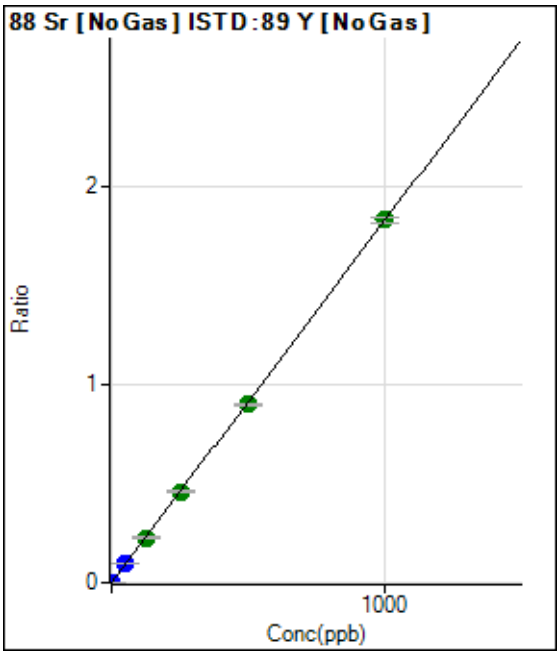
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	760.03	0.0001	P	8.0
2	☐	1.000	0.941	2582.48	0.0003	P	1.2
3	☐	50.000	51.039	99628.16	0.0108	P	0.8
4	☐	125.000	123.505	238840.08	0.0260	P	1.1
5	☐	250.000	251.041	485077.91	0.0528	P	0.9
6	☐	500.000	490.782	962674.98	0.1031	P	1.6
7	☐	1000.000	1004.483	1969193.84	0.2109	A	1.5
8	☐			26827.90	0.0030	P	2.3

y = 2.0987E-004 * x + 8.2538E-005
R = 0.9999
DL = 0.09453
BEC = 0.3933

Weight: <None>
Min Conc: 0

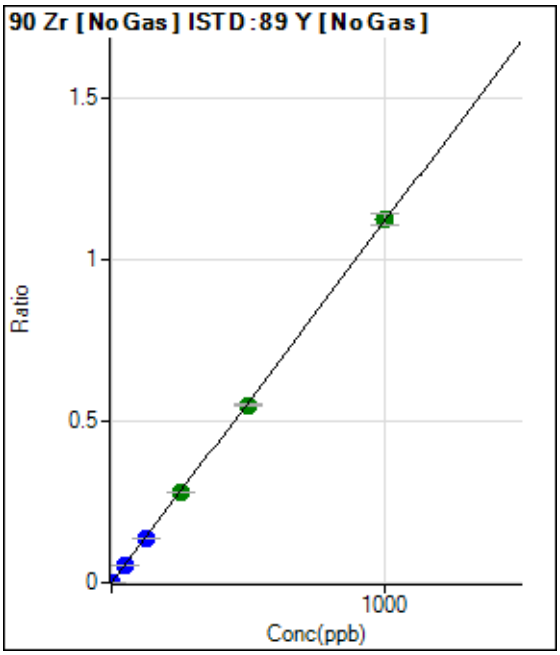


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	436.68	0.0000	P	11.3
2	☐	1.000	0.960	16593.92	0.0018	P	2.0
3	☐	50.000	50.824	856988.90	0.0929	P	0.8
4	☐	125.000	124.550	2089218.13	0.2275	A	1.9
5	☐	250.000	252.295	4235290.42	0.4607	A	2.0
6	☐	500.000	493.451	8415307.24	0.9011	A	1.2
7	☐	1000.000	1002.716	17096062.11	1.8310	A	1.6
8	☐			229238.00	0.0255	P	1.3

y = 0.0018 * x + 4.7376E-005
R = 1.0000
DL = 0.008757
BEC = 0.02594

Weight: <None>
Min Conc: 0

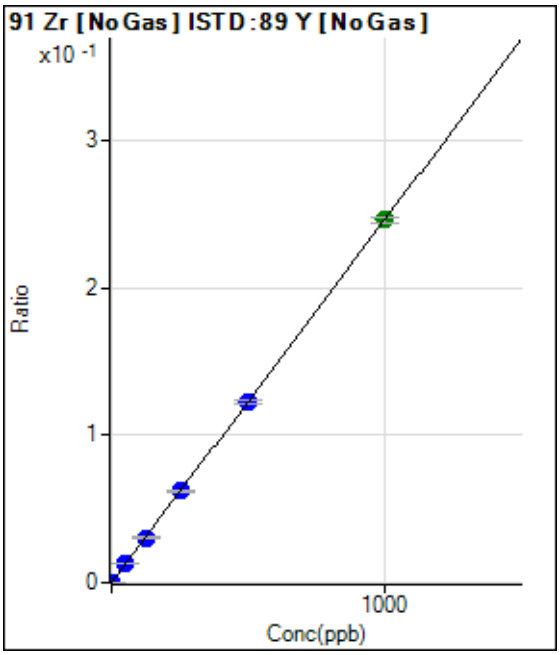
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	385.56	0.0000	P	4.7
2	☐	1.000	1.012	10817.42	0.0012	P	1.6
3	☐	50.000	50.302	519851.84	0.0563	P	0.9
4	☐	125.000	122.981	1264298.60	0.1376	P	1.3
5	☐	250.000	248.643	2557908.54	0.2783	A	0.4
6	☐	500.000	491.788	5139109.30	0.5503	A	1.7
7	☐	1000.000	1004.682	10495370.05	1.1242	A	3.1
8	☐			12399.76	0.0014	P	1.1

y = 0.0011 * x + 4.1822E-005
R = 0.9999
DL = 0.005223
BEC = 0.03738

Weight: <None>
Min Conc: 0

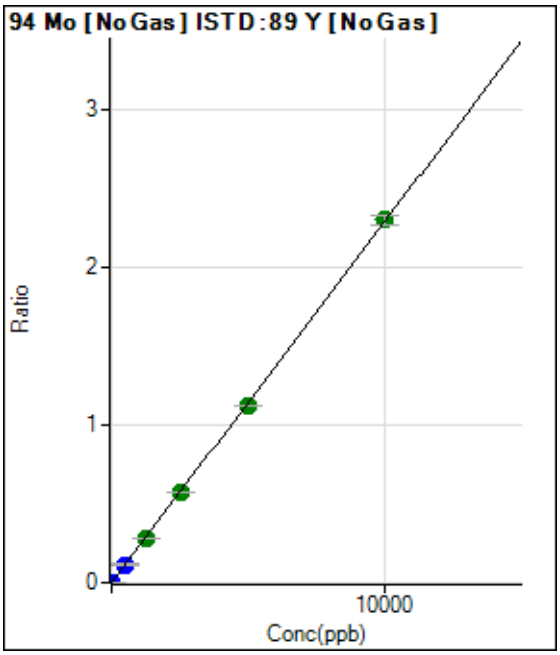


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	71.11	0.0000	P	11.1
2	☐	1.000	1.033	2415.78	0.0003	P	4.8
3	☐	50.000	50.657	115271.21	0.0125	P	0.7
4	☐	125.000	124.536	281913.49	0.0307	P	1.2
5	☐	250.000	252.149	571187.54	0.0621	P	0.4
6	☐	500.000	497.267	1144262.00	0.1225	P	1.7
7	☐	1000.000	1000.854	2302604.63	0.2466	A	1.5
8	☐			2758.07	0.0003	P	1.1

y = 2.4639E-004 * x + 7.7249E-006
R = 1.0000
DL = 0.01047
BEC = 0.03135

Weight: <None>
Min Conc: 0

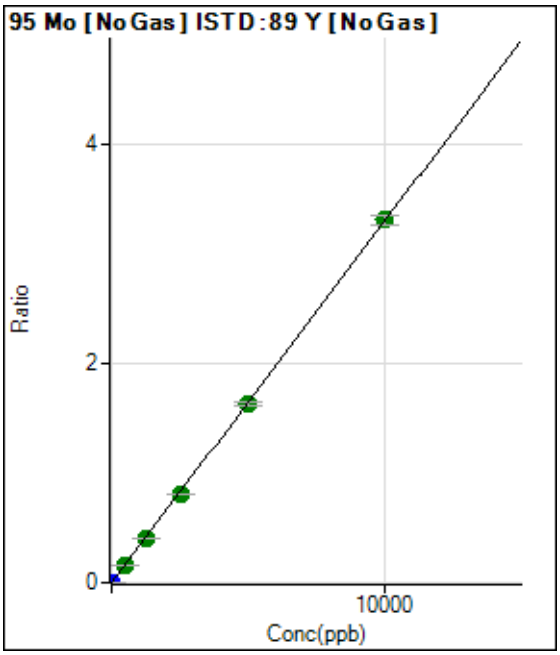
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	256.67	0.0000	P	6.0
2	☐	5.000	5.877	12653.35	0.0014	P	3.5
3	☐	500.000	503.876	1064355.84	0.1153	P	1.2
4	☐	1250.000	1239.164	2604646.54	0.2836	A	1.6
5	☐	2500.000	2505.318	5270187.07	0.5733	A	0.6
6	☐	5000.000	4894.746	10460723.94	1.1201	A	0.7
7	☐	10000.000	10052.458	21475892.18	2.3003	A	2.4
8	☐			13094.82	0.0015	P	0.2

y = 2.2883E-004 * x + 2.7840E-005
R = 0.9999
DL = 0.02199
BEC = 0.1217

Weight: <None>
Min Conc: 0

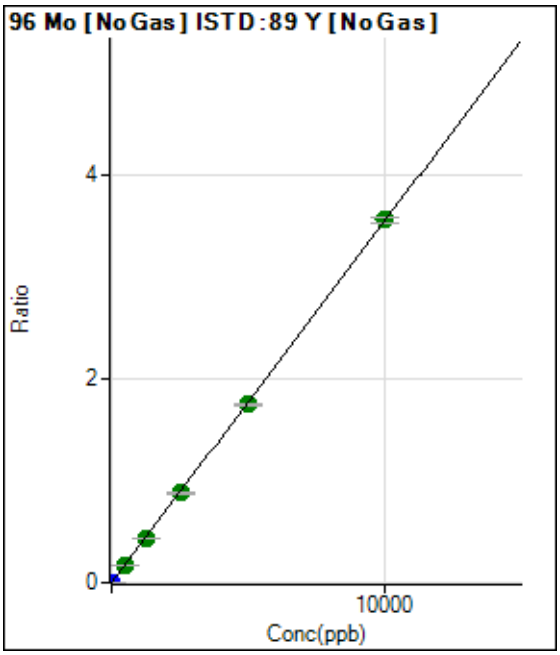


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	213.34	0.0000	P	9.0
2	☐	5.000	4.834	14892.14	0.0016	P	1.6
3	☐	500.000	499.447	1518469.28	0.1645	A	1.3
4	☐	1250.000	1235.135	3736848.90	0.4069	A	1.5
5	☐	2500.000	2450.480	7419900.51	0.8072	A	0.9
6	☐	5000.000	4948.973	15224058.94	1.6302	A	1.2
7	☐	10000.000	10039.779	30874508.43	3.3070	A	2.3
8	☐			14874.33	0.0017	P	2.0

y = 3.2939E-004 * x + 2.3155E-005
R = 1.0000
DL = 0.0189
BEC = 0.0703

Weight: <None>
Min Conc: 0

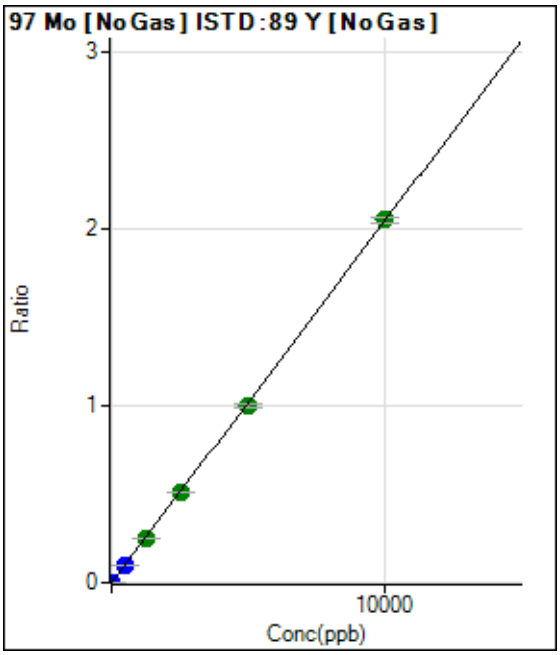
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	245.56	0.0000	P	6.1
2	☐	5.000	4.976	16520.55	0.0018	P	1.2
3	☐	500.000	498.133	1631623.34	0.1768	A	1.0
4	☐	1250.000	1232.587	4017405.88	0.4374	A	1.6
5	☐	2500.000	2483.182	8100180.85	0.8812	A	0.9
6	☐	5000.000	4939.573	16370083.51	1.7528	A	0.8
7	☐	10000.000	10036.688	33252572.84	3.5615	A	1.9
8	☐			20680.32	0.0023	P	1.6

y = 3.5485E-004 * x + 2.6633E-005
R = 1.0000
DL = 0.01383
BEC = 0.07505

Weight: <None>
Min Conc: 0

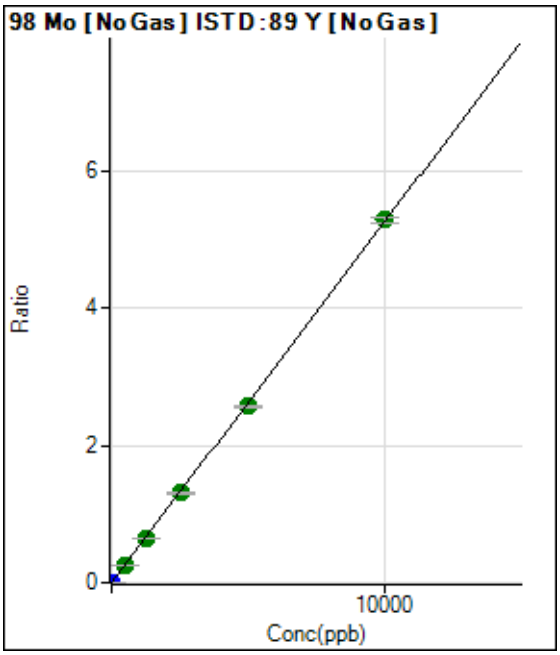


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	157.78	0.0000	P	12.9
2	☐	5.000	5.076	9696.62	0.0011	P	2.1
3	☐	500.000	502.944	946523.56	0.1026	P	0.6
4	☐	1250.000	1221.919	2288236.75	0.2491	A	1.4
5	☐	2500.000	2496.708	4679132.26	0.5090	A	0.7
6	☐	5000.000	4910.896	9349232.43	1.0012	A	2.5
7	☐	10000.000	10048.738	19129011.94	2.0487	A	1.4
8	☐			9378.63	0.0010	P	2.6

y = 2.0387E-004 * x + 1.7100E-005
R = 0.9999
DL = 0.03235
BEC = 0.08388

Weight: <None>
Min Conc: 0

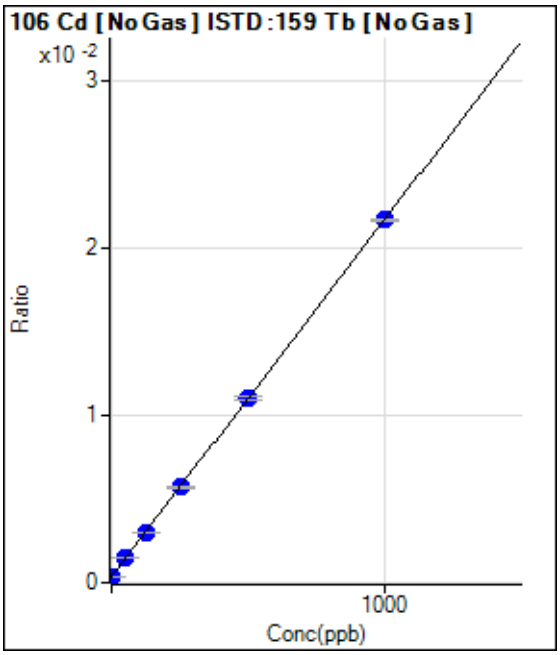
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	305.56	0.0000	P	16.1
2	☐	5.000	4.960	24345.94	0.0026	P	0.5
3	☐	500.000	495.449	2404946.04	0.2606	A	0.6
4	☐	1250.000	1220.424	5894777.13	0.6418	A	1.3
5	☐	2500.000	2493.942	12055111.21	1.3115	A	1.6
6	☐	5000.000	4891.738	24022442.98	2.5723	A	1.5
7	☐	10000.000	10059.570	49391082.60	5.2898	A	1.5
8	☐			23578.03	0.0026	P	1.3

y = 5.2585E-004 * x + 3.3109E-005
R = 0.9999
DL = 0.03032
BEC = 0.06296

Weight: <None>
Min Conc: 0

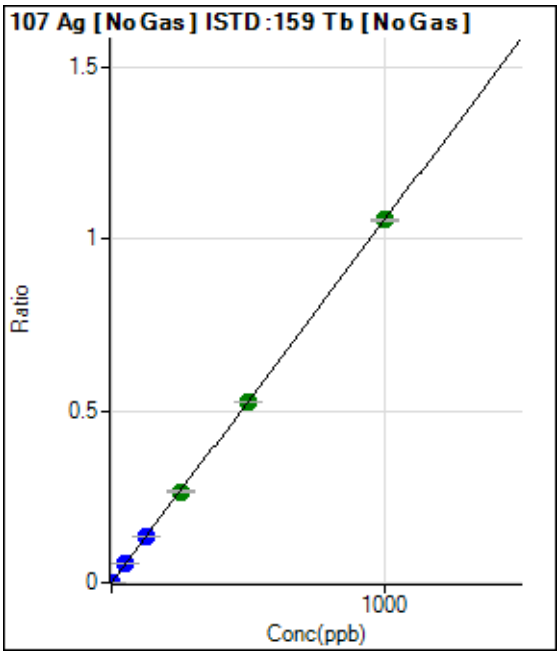


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2678.05	0.0004	P	1.8
2	☐	1.000	0.850	2761.40	0.0004	P	7.5
3	☐	50.000	52.537	10642.90	0.0015	P	2.5
4	☐	125.000	123.042	21730.81	0.0030	P	1.1
5	☐	250.000	251.798	41589.46	0.0057	P	2.3
6	☐	500.000	499.891	80612.42	0.0110	P	2.0
7	☐	1000.000	999.723	159082.38	0.0217	P	0.4
8	☐			2694.72	0.0004	P	6.5

y = 2.1360E-005 * x + 3.6743E-004
R = 1.0000
DL = 0.9382
BEC = 17.2

Weight: <None>
Min Conc: 0

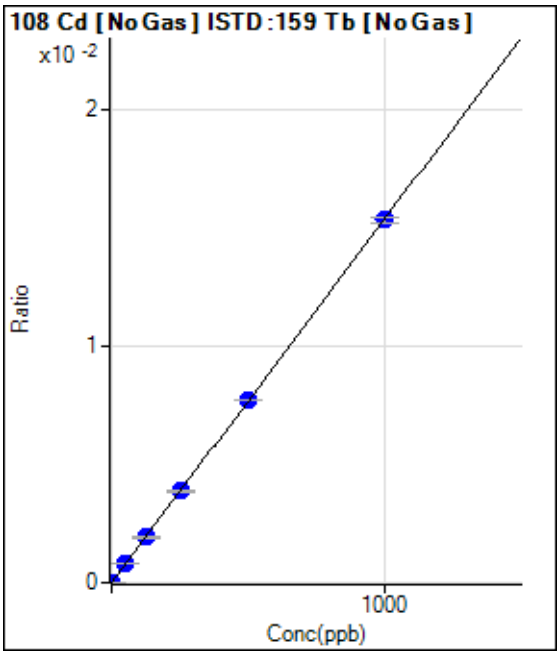
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	86.66	0.0000	P	11.4
2	☐	1.000	1.057	8081.21	0.0011	P	1.8
3	☐	50.000	52.310	394686.38	0.0552	P	1.9
4	☐	125.000	126.292	967379.58	0.1333	P	0.4
5	☐	250.000	251.132	1919213.32	0.2651	A	1.6
6	☐	500.000	498.650	3842601.26	0.5265	A	0.6
7	☐	1000.000	1000.115	7732966.20	1.0559	A	0.7
8	☐			3611.61	0.0005	P	19.7

y = 0.0011 * x + 1.1876E-005
R = 1.0000
DL = 0.003853
BEC = 0.01125

Weight: <None>
Min Conc: 0

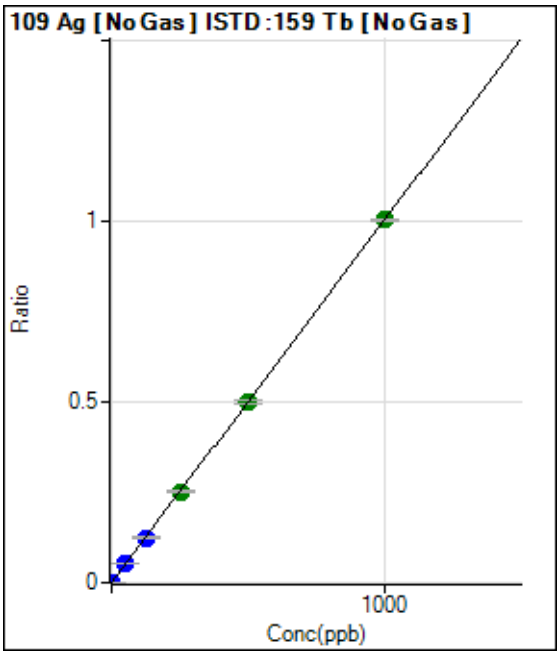


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	13.33	0.0000	P	76.6
2	☐	1.000	0.729	93.33	0.0000	P	20.0
3	☐	50.000	52.986	5825.68	0.0008	P	2.5
4	☐	125.000	125.546	13995.75	0.0019	P	2.3
5	☐	250.000	251.818	27999.41	0.0039	P	2.4
6	☐	500.000	502.229	56297.69	0.0077	P	0.5
7	☐	1000.000	998.214	112255.22	0.0153	P	1.3
8	☐			117.78	0.0000	P	19.0

y = 1.5354E-005 * x + 1.8541E-006
R = 1.0000
DL = 0.2774
BEC = 0.1208

Weight: <None>
Min Conc: 0

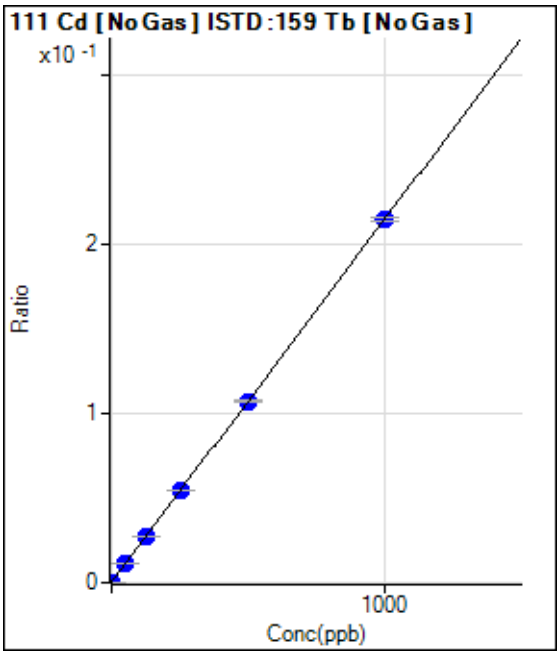
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LB :LB136790



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	83.33	0.0000	P	16.8
2	☐	1.000	1.054	7656.55	0.0011	P	2.3
3	☐	50.000	52.028	373191.00	0.0522	P	1.1
4	☐	125.000	124.374	905578.67	0.1248	P	0.6
5	☐	250.000	250.719	1821285.74	0.2516	A	2.0
6	☐	500.000	498.714	3652941.54	0.5005	A	1.3
7	☐	1000.000	1000.440	7352970.10	1.0040	A	0.5
8	☐			3547.16	0.0005	P	19.8

y = 0.0010 * x + 1.1470E-005
R = 1.0000
DL = 0.005776
BEC = 0.01143

Weight: <None>
Min Conc: 0

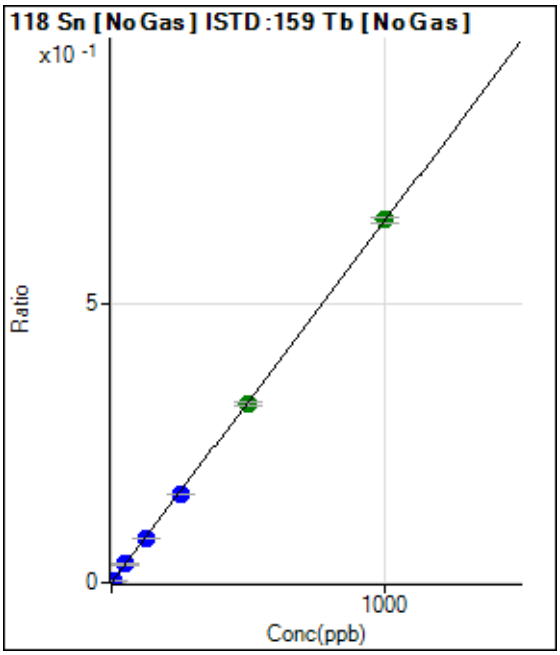


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1883.08	0.0003	P	2.2
2	☐	1.000	0.976	3346.63	0.0005	P	5.8
3	☐	50.000	52.317	81886.19	0.0115	P	0.7
4	☐	125.000	125.768	197181.64	0.0272	P	1.7
5	☐	250.000	253.371	394491.74	0.0545	P	1.6
6	☐	500.000	499.775	782775.96	0.1072	P	1.5
7	☐	1000.000	999.058	1568212.95	0.2141	P	1.0
8	☐			3026.15	0.0004	P	5.6

y = 2.1408E-004 * x + 2.5834E-004
R = 1.0000
DL = 0.08004
BEC = 1.207

Weight: <None>
Min Conc: 0

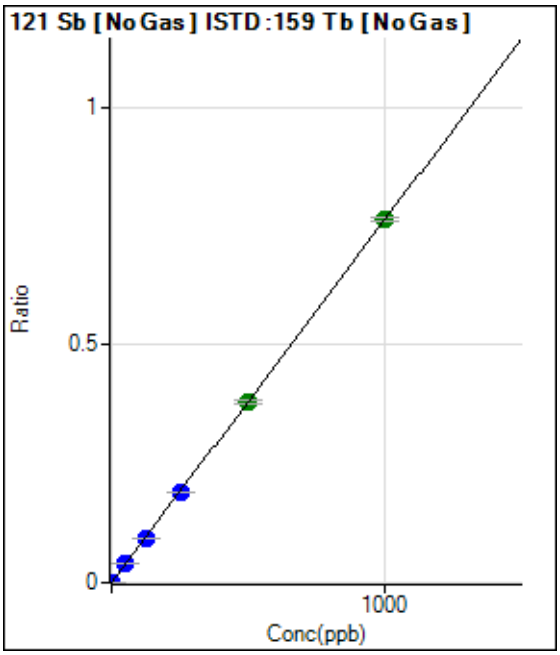
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	850.03	0.0001	P	2.2
2	☐	5.000	4.976	23876.56	0.0033	P	2.5
3	☐	50.000	50.674	234872.13	0.0329	P	2.1
4	☐	125.000	122.051	573168.95	0.0790	P	0.8
5	☐	250.000	245.681	1150375.38	0.1589	P	1.2
6	☐	500.000	495.278	2337560.32	0.3203	A	1.6
7	☐	1000.000	1003.776	4752499.69	0.6489	A	1.4
8	☐			3582.70	0.0005	P	0.9

y = 6.4639E-004 * x + 1.1664E-004
R = 1.0000
DL = 0.01188
BEC = 0.1804

Weight: <None>
Min Conc: 0

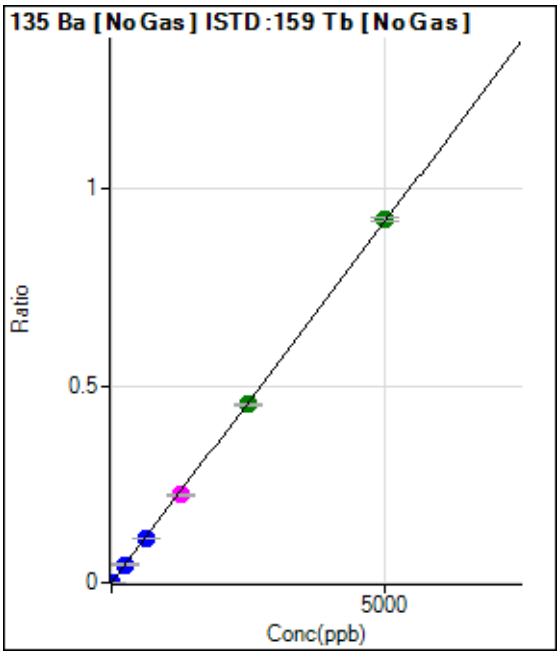


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	33.33	0.0000	P	2.6
2	☐	2.000	2.074	11355.71	0.0016	P	2.3
3	☐	50.000	51.483	280418.71	0.0392	P	1.3
4	☐	125.000	123.135	680826.99	0.0939	P	1.5
5	☐	250.000	249.615	1377136.02	0.1902	P	1.3
6	☐	500.000	498.568	2773422.35	0.3800	A	1.7
7	☐	1000.000	1000.971	5587223.60	0.7629	A	1.1
8	☐			6096.90	0.0009	P	2.9

y = 7.6215E-004 * x + 4.5763E-006
R = 1.0000
DL = 0.0004704
BEC = 0.006004

Weight: <None>
Min Conc: 0

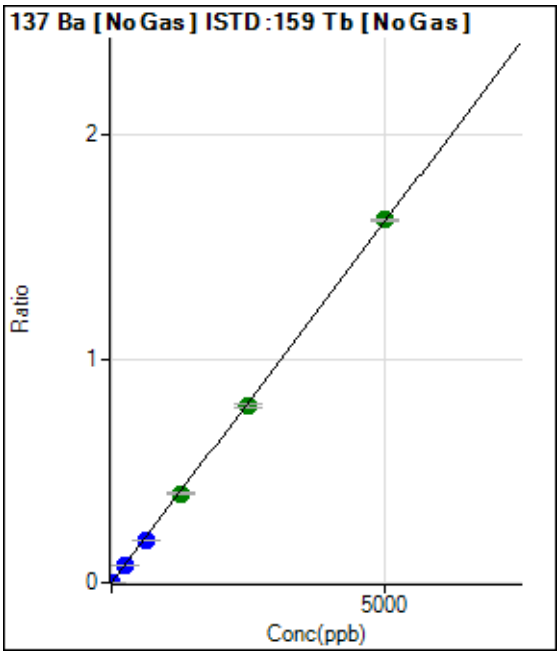
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	51.11	0.0000	P	11.9
2	☐	10.000	9.507	12538.97	0.0017	P	1.2
3	☐	250.000	251.830	329958.92	0.0462	P	1.2
4	☐	625.000	601.879	800531.54	0.1104	P	0.8
5	☐	1250.000	1219.010	1617735.01	0.2235	M	1.7
6	☐	2500.000	2469.118	3303946.38	0.4527	A	1.4
7	☐	5000.000	5025.988	6748033.30	0.9214	A	1.1
8	☐			5723.43	0.0008	P	1.9

y = 1.8333E-004 * x + 7.0256E-006
R = 0.9999
DL = 0.01368
BEC = 0.03832

Weight: <None>
Min Conc: 0

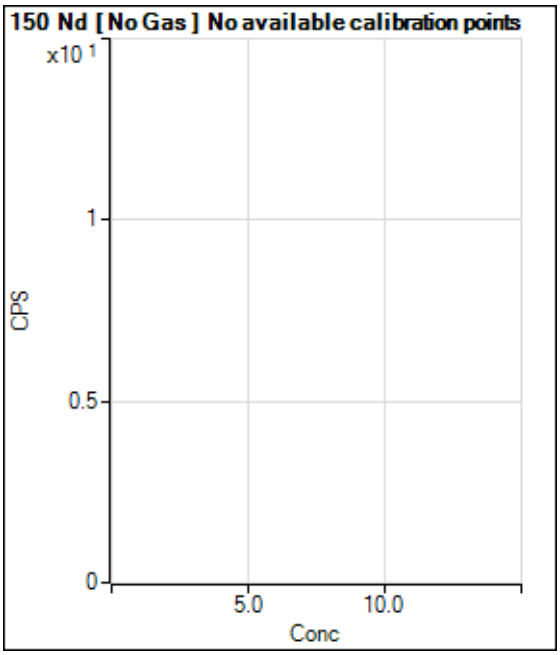


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	76.67	0.0000	P	28.5
2	☐	10.000	9.625	22310.97	0.0031	P	2.2
3	☐	250.000	247.178	569700.79	0.0797	P	0.9
4	☐	625.000	593.351	1388159.23	0.1914	P	1.1
5	☐	1250.000	1230.428	2872187.21	0.3968	A	2.1
6	☐	2500.000	2460.258	5790688.73	0.7934	A	2.0
7	☐	5000.000	5028.862	11877362.88	1.6217	A	0.4
8	☐			9642.23	0.0014	P	6.0

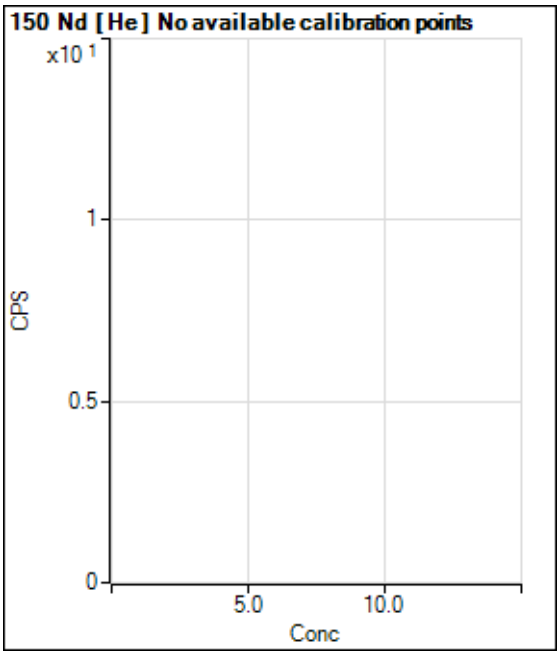
y = 3.2248E-004 * x + 1.0575E-005
R = 0.9999
DL = 0.02808
BEC = 0.03279

Weight: <None>
Min Conc: 0

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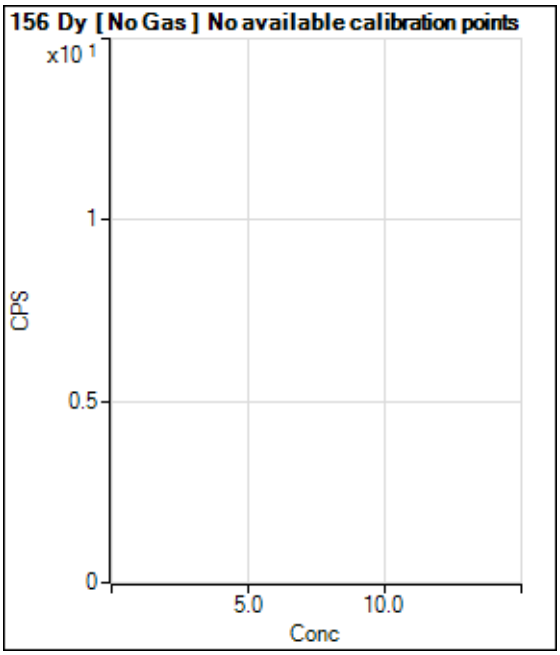


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			2.22		P	86.6
2	☐			2.22		P	86.6
3	☐			12.22		P	95.8
4	☐			35.56		P	51.6
5	☐			63.33		P	15.8
6	☐			108.89		P	19.4
7	☐			205.56		P	5.0
8	☐			155.56		P	30.6

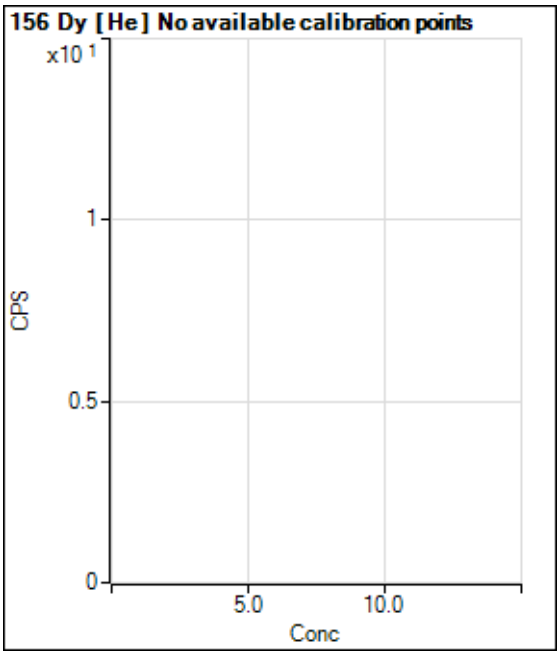


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			2.22		P	86.6
2	☐			4.44		P	114.
3	☐			7.78		P	24.7
4	☐			11.11		P	62.5
5	☐			22.22		P	75.5
6	☐			35.56		P	32.9
7	☐			63.33		P	22.9
8	☐			80.00		P	15.0

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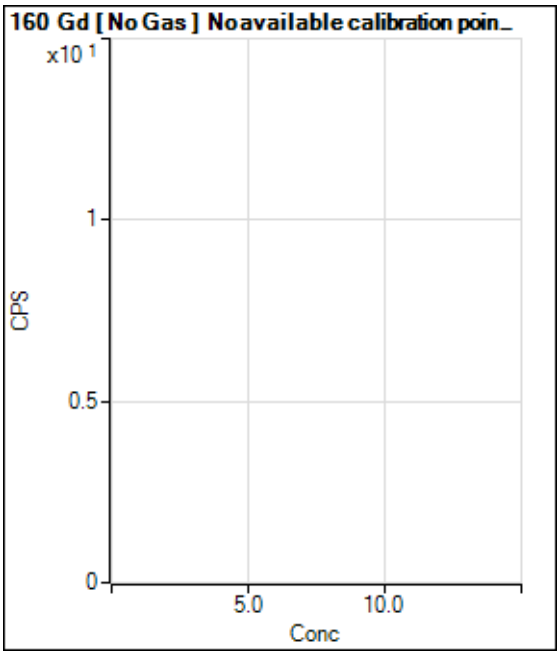


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			21.11		P	9.1
2	☐			22.22		P	34.7
3	☐			25.56		P	45.8
4	☐			35.55		P	19.5
5	☐			38.89		P	17.8
6	☐			94.44		P	19.4
7	☐			122.22		P	12.9
8	☐			301.12		P	7.2

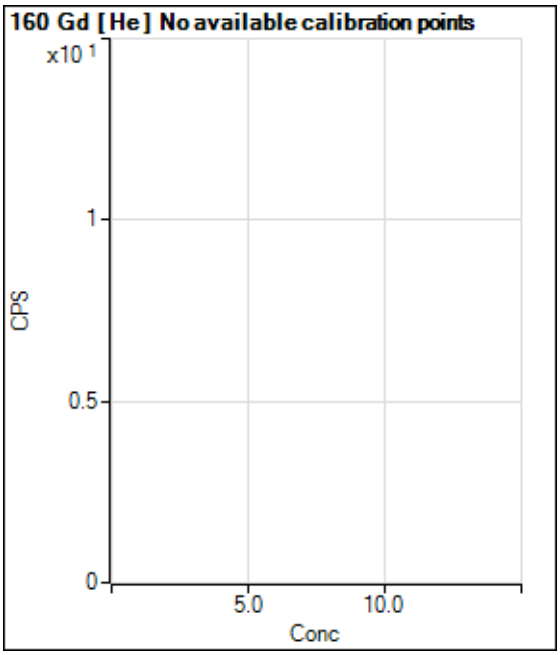


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1	☐			7.78		P	49.5
2	☐			10.00		P	33.3
3	☐			23.34		P	24.7
4	☐			37.78		P	39.8
5	☐			107.78		P	19.6
6	☐			186.67		P	21.9
7	☐			332.23		P	10.7
8	☐			288.89		P	5.5

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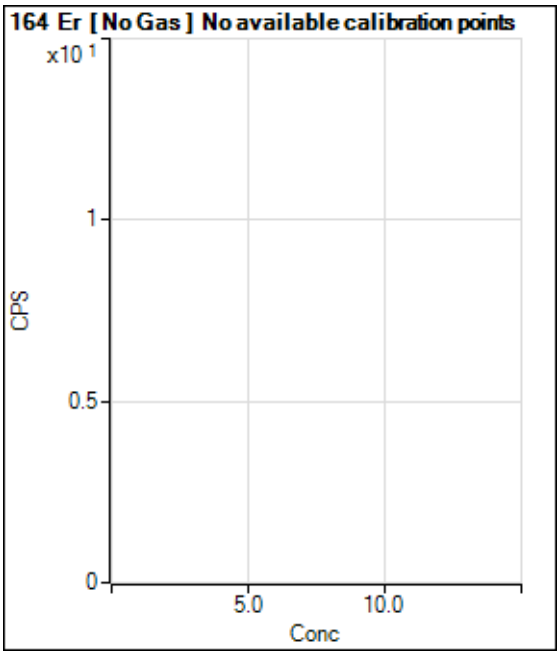


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			51.11		P	43.4
2	☐			62.22		P	8.2
3	☐			51.11		P	19.9
4	☐			63.33		P	13.9
5	☐			58.89		P	3.3
6	☐			62.22		P	3.1
7	☐			101.11		P	13.3
8	☐			350.01		P	11.9

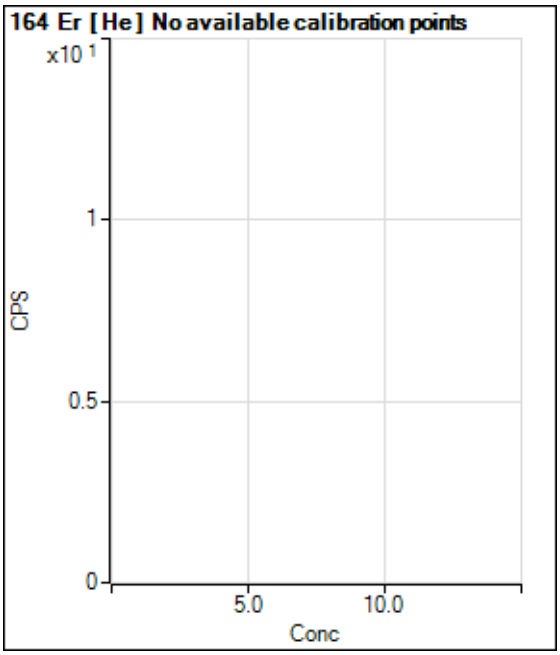


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			326.68		P	12.4
2	☐			337.78		P	17.7
3	☐			293.34		P	7.1
4	☐			308.90		P	11.2
5	☐			322.23		P	8.9
6	☐			372.23		P	8.8
7	☐			363.34		P	7.8
8	☐			547.80		P	5.5

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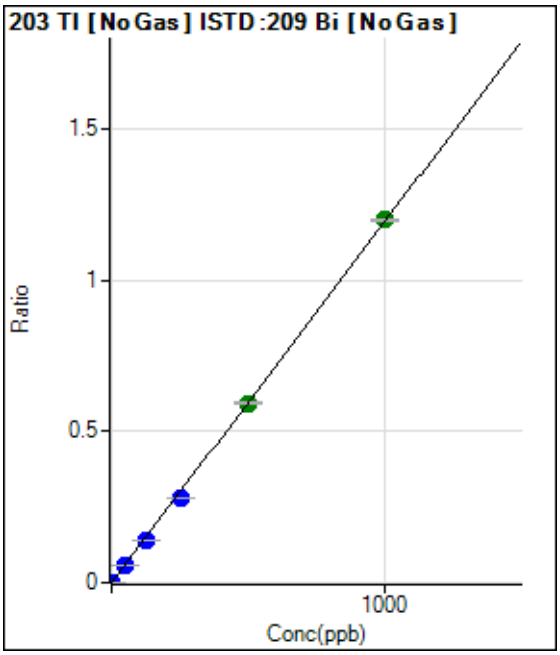


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			55.55		P	24.3
2	☐			46.67		P	18.9
3	☐			57.78		P	27.3
4	☐			88.89		P	17.7
5	☐			90.00		P	16.1
6	☐			115.56		P	7.3
7	☐			206.67		P	22.2
8	☐			661.14		P	3.9



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			48.89		P	21.9
2	☐			41.11		P	24.8
3	☐			66.67		P	13.2
4	☐			44.44		P	28.4
5	☐			85.56		P	29.2
6	☐			67.78		P	46.5
7	☐			153.34		P	10.9
8	☐			512.24		P	6.2

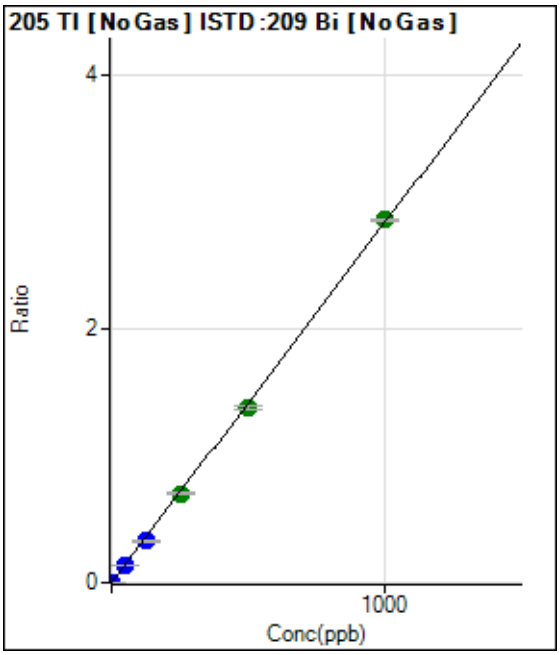
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	583.35	0.0001	P	4.5
2	☐	1.000	0.992	5891.33	0.0013	P	1.8
3	☐	50.000	47.910	258338.62	0.0572	P	0.3
4	☐	125.000	116.128	632830.25	0.1385	P	2.5
5	☐	250.000	234.845	1279240.39	0.2800	P	1.4
6	☐	500.000	497.702	2708801.57	0.5933	A	1.3
7	☐	1000.000	1006.151	5450933.77	1.1993	A	0.8
8	☐			6288.18	0.0015	P	1.6

y = 0.0012 * x + 1.2748E-004
R = 0.9999
DL = 0.01457
BEC = 0.107

Weight: <None>
Min Conc: 0

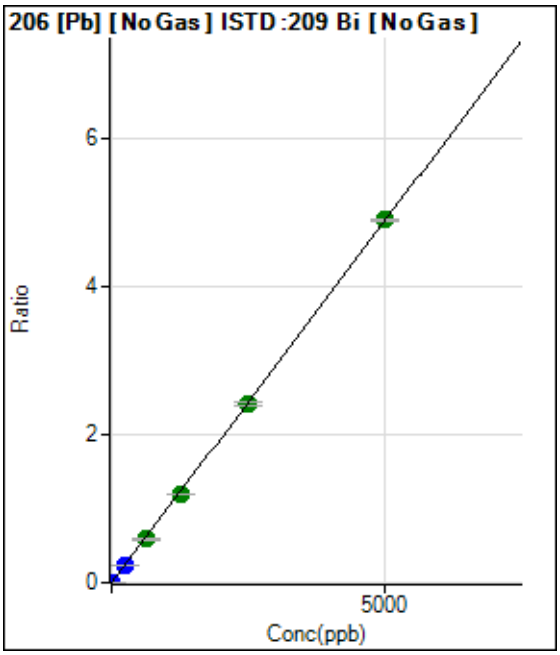


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1345.64	0.0003	P	4.5
2	☐	1.000	0.962	13599.14	0.0030	P	2.0
3	☐	50.000	47.368	608179.77	0.1347	P	0.3
4	☐	125.000	115.934	1504254.41	0.3293	P	2.9
5	☐	250.000	247.600	3211542.31	0.7030	A	1.6
6	☐	500.000	486.525	6305478.10	1.3810	A	1.2
7	☐	1000.000	1008.602	13011783.69	2.8627	A	0.4
8	☐			15140.79	0.0037	P	0.5

y = 0.0028 * x + 2.9410E-004
R = 0.9998
DL = 0.01403
BEC = 0.1036

Weight: <None>
Min Conc: 0

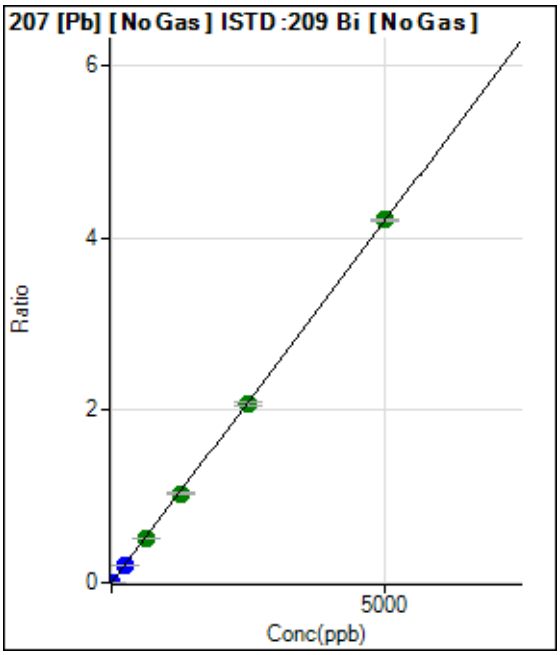
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	453.35	0.0001	P	5.3
2	☐	1.000	0.812	4002.86	0.0009	P	0.6
3	☐	250.000	238.702	1050552.14	0.2327	P	0.5
4	☐	625.000	601.546	2678302.29	0.5863	A	2.6
5	☐	1250.000	1225.632	5457014.50	1.1945	A	1.5
6	☐	2500.000	2477.531	11022554.28	2.4144	A	2.2
7	☐	5000.000	5020.824	22238923.28	4.8929	A	0.9
8	☐			11312.56	0.0028	P	2.0

y = 9.7449E-004 * x + 9.9065E-005
R = 1.0000
DL = 0.01618
BEC = 0.1017

Weight: <None>
Min Conc: 0

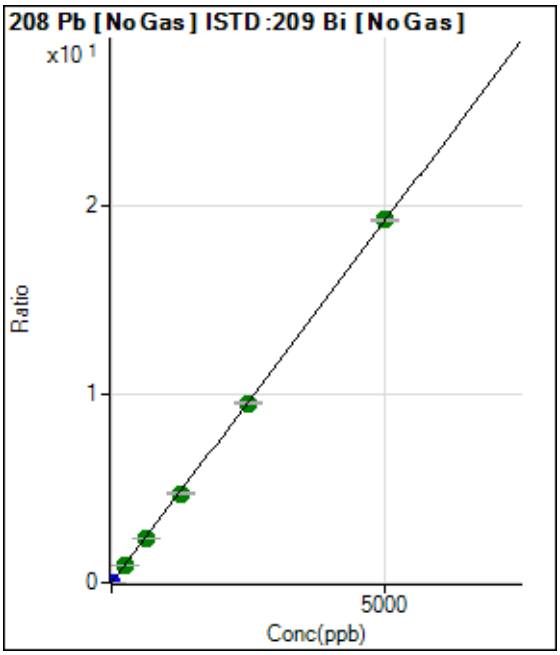


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	405.57	0.0001	P	11.6
2	☐	1.000	0.829	3521.61	0.0008	P	1.9
3	☐	250.000	235.953	892975.01	0.1978	P	0.3
4	☐	625.000	607.732	2326758.26	0.5094	A	2.8
5	☐	1250.000	1233.168	4721586.35	1.0335	A	1.8
6	☐	2500.000	2477.614	9479195.14	2.0763	A	2.2
7	☐	5000.000	5018.262	19114428.88	4.2054	A	0.8
8	☐			9615.73	0.0023	P	2.8

y = 8.3800E-004 * x + 8.8562E-005
R = 1.0000
DL = 0.03674
BEC = 0.1057

Weight: <None>
Min Conc: 0

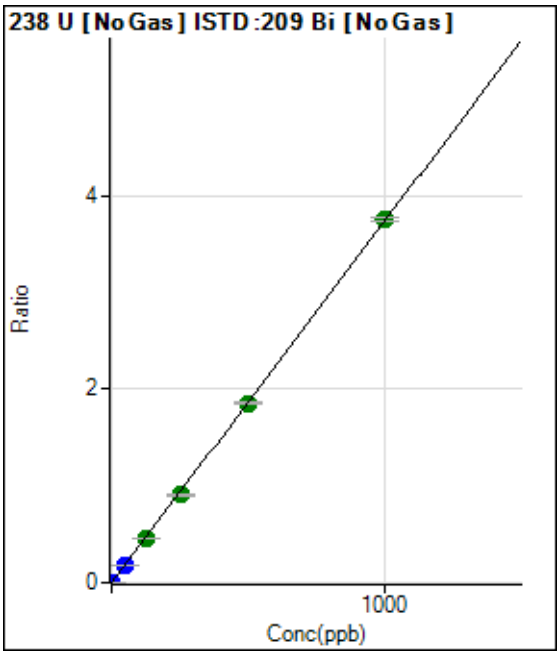
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1803.40	0.0004	P	2.6
2	☐	1.000	0.816	15805.96	0.0035	P	1.1
3	☐	250.000	242.781	4196093.68	0.9295	A	0.7
4	☐	625.000	605.586	10590361.34	2.3181	A	2.2
5	☐	1250.000	1229.713	21502074.85	4.7067	A	1.7
6	☐	2500.000	2477.737	43296056.02	9.4830	A	1.4
7	☐	5000.000	5018.991	87309102.03	19.2088	A	0.6
8	☐			44109.33	0.0108	P	1.7

y = 0.0038 * x + 3.9400E-004
R = 1.0000
DL = 0.00808
BEC = 0.1029

Weight: <None>
Min Conc: 0

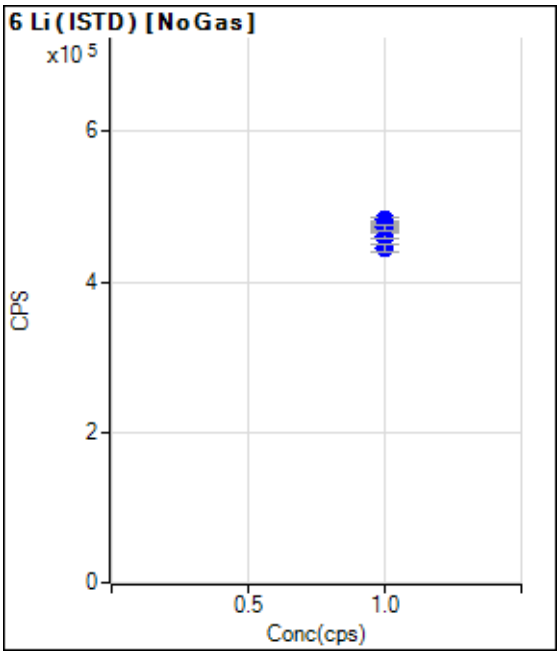


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	14.44	0.0000	P	35.6
2	☐	1.000	0.927	15598.22	0.0035	P	2.2
3	☐	50.000	46.711	787854.33	0.1745	P	0.4
4	☐	125.000	122.037	2083132.54	0.4560	A	2.3
5	☐	250.000	244.075	4165972.93	0.9119	A	2.5
6	☐	500.000	496.216	8464907.72	1.8540	A	1.5
7	☐	1000.000	1003.908	17048564.19	3.7509	A	1.0
8	☐			5550.11	0.0014	P	1.3

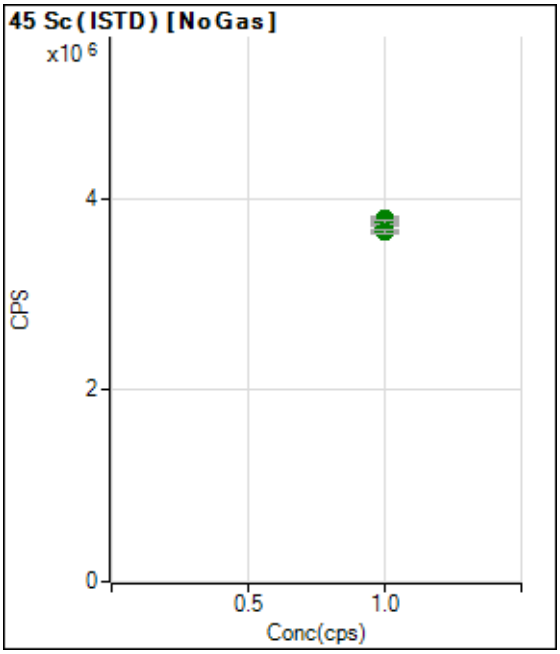
y = 0.0037 * x + 3.1594E-006
R = 1.0000
DL = 0.0009032
BEC = 0.0008456

Weight: <None>
Min Conc: 0

Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

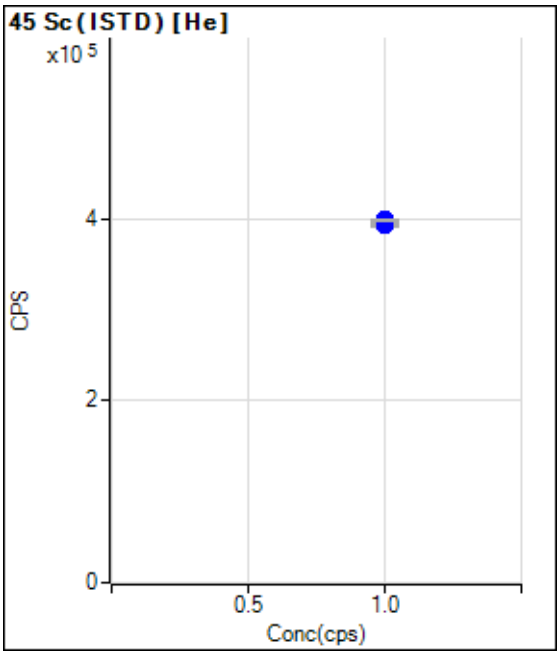


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1	☐	1.000		468118.40		P	1.0
2	☐	1.000		461021.14		P	1.4
3	☐	1.000		482310.56		P	1.7
4	☐	1.000		477607.96		P	1.5
5	☐	1.000		477598.16		P	1.2
6	☐	1.000		474792.67		P	1.0
7	☐	1.000		472423.66		P	1.7
8	☐	1.000		444083.61		P	2.1

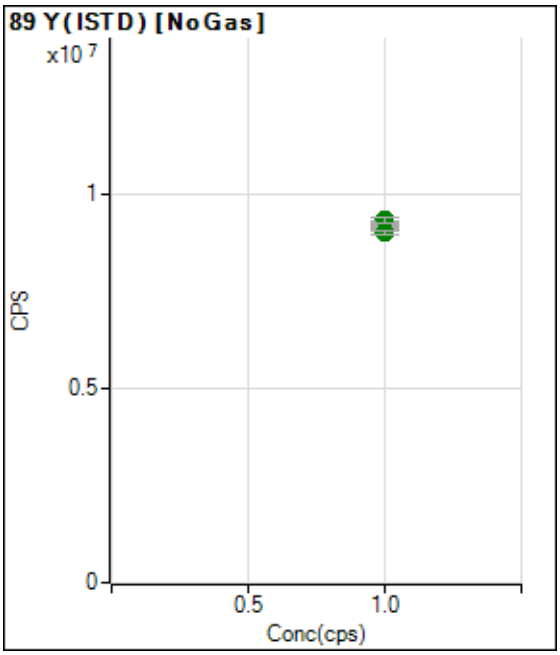


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		3788801.57		A	1.7
2	☐	1.000		3743111.30		A	1.1
3	☐	1.000		3691848.10		A	1.2
4	☐	1.000		3688354.01		A	1.8
5	☐	1.000		3675895.50		A	1.8
6	☐	1.000		3775287.44		A	1.4
7	☐	1.000		3753406.89		A	0.9
8	☐	1.000		3650189.15		A	1.3

Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

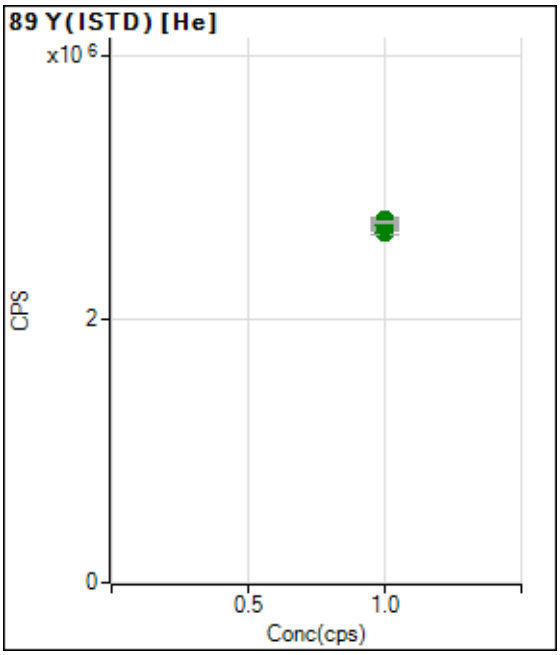


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
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2	☐	1.000		393393.67		P	0.4
3	☐	1.000		394435.30		P	0.5
4	☐	1.000		393491.13		P	0.7
5	☐	1.000		394353.83		P	0.8
6	☐	1.000		397503.47		P	1.2
7	☐	1.000		397825.14		P	1.4
8	☐	1.000		399190.06		P	0.5

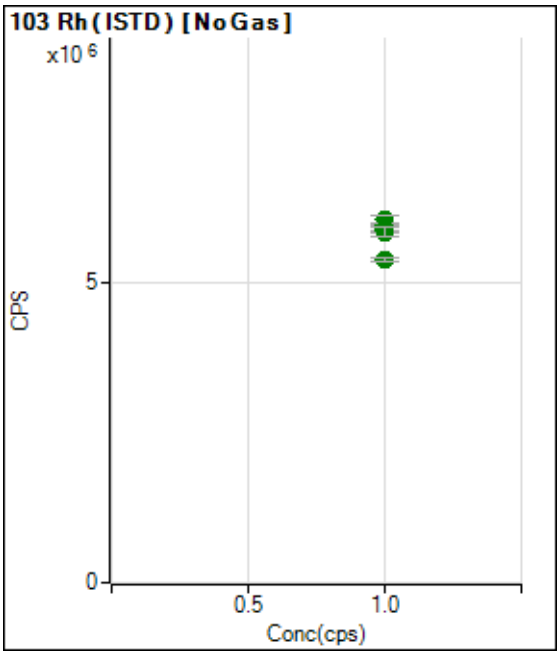


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		9215292.16		A	1.5
2	☐	1.000		9217683.33		A	2.1
3	☐	1.000		9230366.18		A	2.0
4	☐	1.000		9186144.38		A	1.7
5	☐	1.000		9192692.22		A	0.7
6	☐	1.000		9339719.86		A	1.2
7	☐	1.000		9338350.55		A	1.6
8	☐	1.000		9003132.57		A	1.1

Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

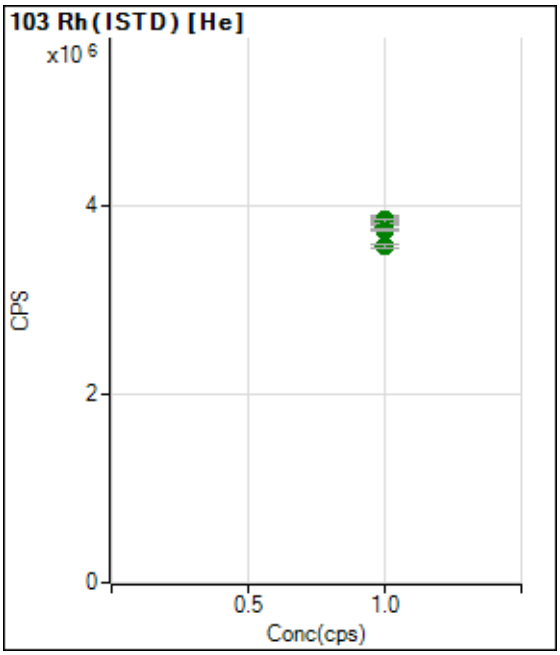


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1	☐	1.000		2740958.50		A	2.2
2	☐	1.000		2734138.74		A	1.6
3	☐	1.000		2755494.45		A	0.7
4	☐	1.000		2661029.80		A	0.9
5	☐	1.000		2707778.48		A	1.1
6	☐	1.000		2749348.53		A	0.5
7	☐	1.000		2717684.66		A	0.9
8	☐	1.000		2738002.41		A	0.3

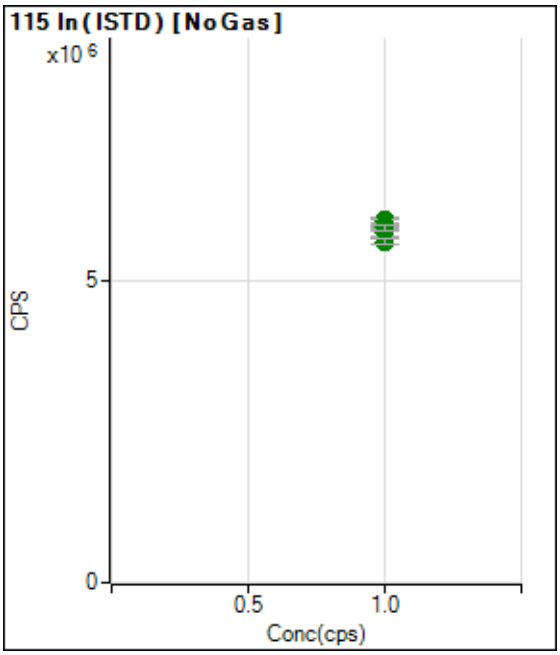


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1	☐	1.000		6061393.94		A	2.6
2	☐	1.000		5978675.05		A	1.5
3	☐	1.000		5945082.20		A	2.4
4	☐	1.000		5922852.69		A	1.1
5	☐	1.000		5859562.06		A	0.5
6	☐	1.000		5881896.79		A	1.6
7	☐	1.000		5869568.66		A	2.4
8	☐	1.000		5395941.20		A	0.9

Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

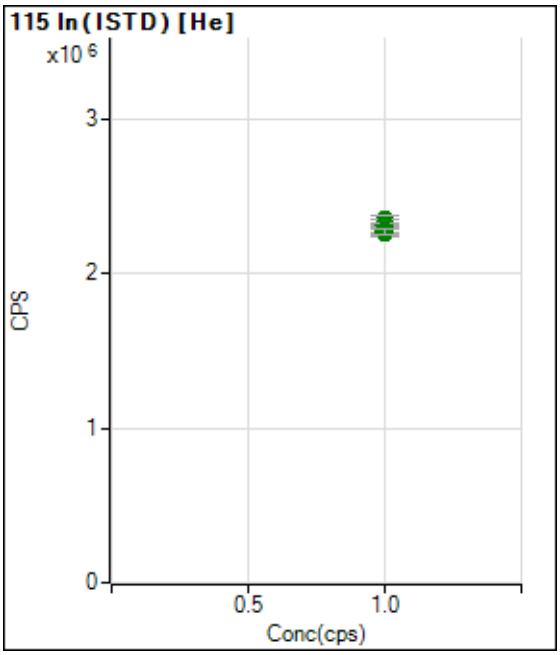


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		3851197.58		A	2.3
2	☐	1.000		3848723.73		A	1.4
3	☐	1.000		3837489.08		A	0.4
4	☐	1.000		3778116.82		A	1.3
5	☐	1.000		3798580.19		A	0.3
6	☐	1.000		3834237.45		A	0.8
7	☐	1.000		3740740.12		A	0.4
8	☐	1.000		3567968.70		A	1.0

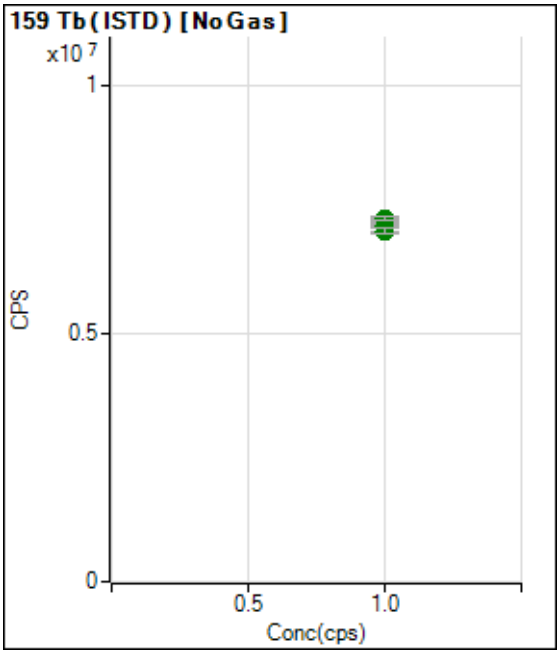


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1	☐	1.000		5992106.38		A	1.7
2	☐	1.000		5770462.86		A	2.1
3	☐	1.000		5971144.62		A	1.5
4	☐	1.000		5774142.97		A	2.1
5	☐	1.000		5824887.41		A	0.6
6	☐	1.000		5898978.40		A	0.9
7	☐	1.000		5871492.79		A	1.6
8	☐	1.000		5632085.92		A	1.4

Reviewed By:Janvi
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Inst Id :P7
LB :LB136790

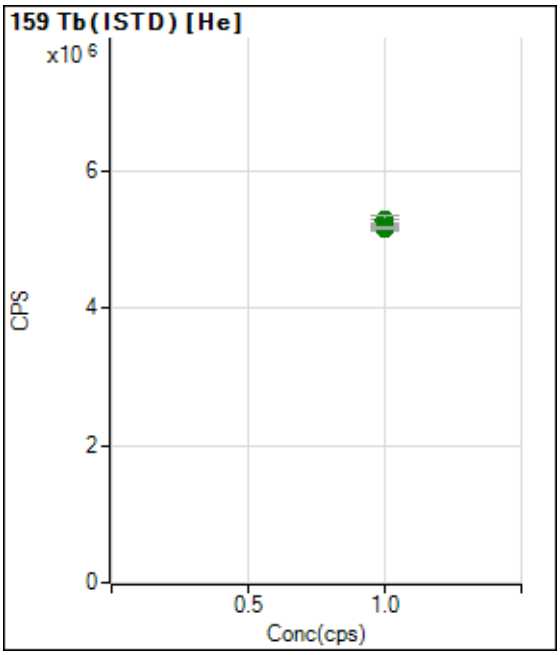


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1	☐	1.000		2348324.85		A	2.9
2	☐	1.000		2320283.39		A	2.4
3	☐	1.000		2304789.10		A	0.3
4	☐	1.000		2282981.77		A	1.7
5	☐	1.000		2316978.72		A	1.4
6	☐	1.000		2316635.49		A	1.1
7	☐	1.000		2264517.70		A	1.9
8	☐	1.000		2275396.66		A	1.6

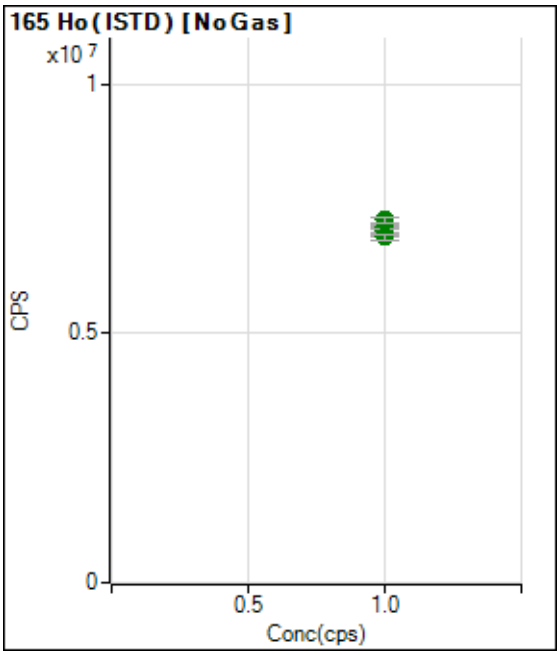


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1	☐	1.000		7286471.07		A	2.6
2	☐	1.000		7164620.80		A	1.1
3	☐	1.000		7146776.49		A	1.8
4	☐	1.000		7254856.91		A	1.1
5	☐	1.000		7238921.49		A	0.6
6	☐	1.000		7299226.91		A	0.7
7	☐	1.000		7323968.71		A	1.0
8	☐	1.000		7073201.77		A	1.7

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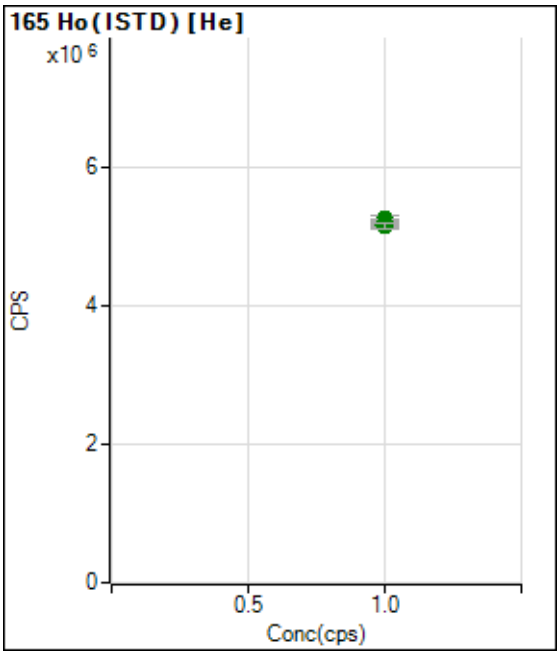


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		5218941.83		A	1.2
2	☐	1.000		5167474.13		A	0.8
3	☐	1.000		5162423.12		A	1.0
4	☐	1.000		5139327.46		A	0.4
5	☐	1.000		5262435.79		A	0.7
6	☐	1.000		5209922.77		A	1.0
7	☐	1.000		5283415.93		A	2.6
8	☐	1.000		5171836.63		A	0.6

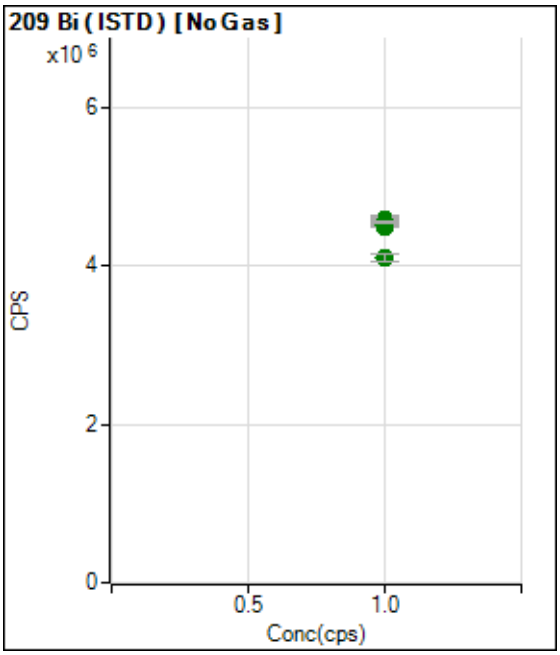


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		7107620.45		A	2.0
2	☐	1.000		6924933.37		A	1.5
3	☐	1.000		7073859.83		A	1.8
4	☐	1.000		6960771.77		A	0.4
5	☐	1.000		7080500.04		A	1.7
6	☐	1.000		7152157.74		A	1.2
7	☐	1.000		7277840.24		A	1.6
8	☐	1.000		6937419.55		A	1.5

Reviewed By:Janvi
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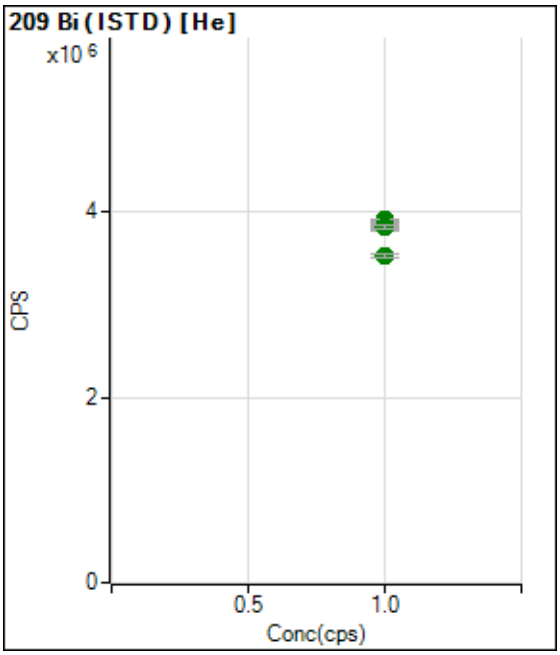


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		5223497.11		A	0.9
2	☐	1.000		5192201.97		A	1.4
3	☐	1.000		5188059.02		A	0.5
4	☐	1.000		5208094.19		A	1.6
5	☐	1.000		5207858.95		A	0.2
6	☐	1.000		5245565.65		A	2.1
7	☐	1.000		5235100.06		A	0.6
8	☐	1.000		5160328.54		A	1.5



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		4576586.46		A	0.8
2	☐	1.000		4496744.69		A	0.9
3	☐	1.000		4514240.63		A	1.1
4	☐	1.000		4570662.02		A	3.2
5	☐	1.000		4568809.76		A	0.8
6	☐	1.000		4566235.97		A	1.6
7	☐	1.000		4545430.90		A	0.9
8	☐	1.000		4101323.62		A	1.9

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LB :LB136790



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		3911962.20		A	0.7
2	☐	1.000		3864191.71		A	1.6
3	☐	1.000		3879592.58		A	0.5
4	☐	1.000		3853355.60		A	0.6
5	☐	1.000		3856810.43		A	2.9
6	☐	1.000		3830850.88		A	1.7
7	☐	1.000		3842429.32		A	1.2
8	☐	1.000		3530235.40		A	0.9

Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

US EPA Tune Check Report

Operator Name	Jaswal
Acq/Data Batch	D:\Agilent\ICPMH\1\DATA\P7081225 MS.b
Acq. Date-Time	2025-08-12 09:26:13
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		5556	55557.53			0.578	5.000
24		136571	1365710.32			0.760	5.000
25		17759	177594.45			0.422	5.000
26		20514	205143.32			0.259	5.000
59		78740	787397.48			0.587	5.000
113		9568	95676.56			0.920	5.000
115		112251	1122514.79			0.768	5.000
206		21359	213594.08			0.728	5.000
207		18726	187256.78			0.389	5.000
208		44717	447170.32			0.356	5.000
220		0	2.40			47.507	

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

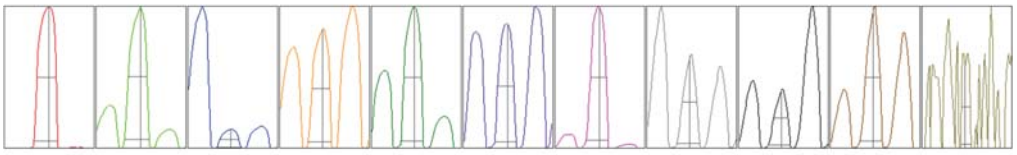
Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	5597	5530	5581	5548	5522
24	136906	136230	135981	135537	138201
25	17744	17666	17753	17876	17758
26	20456	20500	20493	20523	20599
59	79371	78446	78273	78537	79071
113	9684	9578	9436	9568	9573
115	113526	112264	111327	112532	111608
206	21389	21090	21407	21492	21418
207	18748	18629	18783	18797	18671
208	44719	44500	44740	44946	44680

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	8935.44	9.00	8.90 - 9.10	
24	230341.02	24.00	23.90 - 24.10	
25	29624.97	24.95	24.90 - 25.10	
26	35158.32	25.95	25.90 - 26.10	
59	136726.20	58.95	58.90 - 59.10	
113	18473.62	113.00	112.90 - 113.10	
115	213797.77	115.00	114.90 - 115.10	
206	44733.11	205.95	205.90 - 206.10	
207	39518.69	206.95	206.90 - 207.10	
208	94464.70	207.95	207.90 - 208.10	
220	0.35	219.95	-	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.65	0.787	0.900	
24	0.64	0.827	0.900	
25	0.63	0.783	0.900	
26	0.62	0.780	0.900	
59	0.61	0.741	0.900	
113	0.53	0.730	0.900	
115	0.52	0.748	0.900	
206	0.49	0.770	0.900	
207	0.48	0.734	0.900	
208	0.49	0.752	0.900	
220	0.30	0.345		

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

Tune Parameters

Plasma Parameters

Plasma Mode --- Nebulizer Gas 0.87 L/min Dilution Gas 0.40 L/min

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	7.3 V	Deflect	16.0 V
Extract 2	-150.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-65 V	Cell Exit	-50 V		

Cell Parameters

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

QP Parameters

Mass Gain	139	Axis Gain	0.9973	QP Bias	-3.0 V
Mass Offset	129	Axis Offset	0.13		

Hardware Settings

Torch

Torch H	-1.8 mm	Torch V	0.3 mm

EM

Discriminator	4.7 mV	Analog HV	2291 V	Pulse HV	1177 V

[He]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
59		30408	304084.79			0.567	
89		78599	785990.84			0.690	
205		24989	249887.82			1.199	

Mass	RSD% (Flag)
59	
89	
205	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
59	30652	30506	30326	30347	30211
89	79371	78197	78497	78033	78898
205	25267	25295	24847	24954	24581

Integration Time [sec] 0.1

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.87 L/min	Dilution Gas	0.40 L/min
RF Power	1600 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	9.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	9.3 V	Deflect	3.6 V

US EPA Tune Check Report

Extract 2	-195.0 V	Cell Entrance	-40 V	Plate Bias	-60 V
Omega Bias	-90 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	139	Axis Gain	0.9973	QP Bias	-13.0 V
Mass Offset	129	Axis Offset	0.13		

Hardware Settings

Torch

Torch H	-1.8 mm	Torch V	0.3 mm		

EM

Discriminator	4.7 mV	Analog HV	2291 V	Pulse HV	1177 V

Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 10:08:13	DataFile Name :	004CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.13	-0.02	0.15	0.00	N/A	ppb
Antimony	121-1	0.00	0.00	0.00	0.00	N/A	ppb
Arsenic	75-2	0.00	-0.01	0.00	0.00	N/A	ppb
Barium	135-1	0.00	0.00	0.01	0.00	N/A	ppb
Barium	137-1	-0.01	0.00	0.01	0.00	N/A	ppb
Beryllium	9-1	0.00	0.00	-0.01	0.00	N/A	ppb
Bismuth	209-1				100		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.09	0.00	0.09	0.00	N/A	ppb
Cadmium	106-1	0.36	-0.14	-0.22	0.00	N/A	ppb
Cadmium	111-1	0.03	0.00	-0.03	0.00	N/A	ppb
Calcium	43-1	-0.11	-2.47	2.58	0.00	N/A	ppb
Calcium	44-1	-3.12	2.31	0.81	0.00	N/A	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.00	0.02	-0.02	0.00	N/A	ppb
Cobalt	59-2	0.00	0.00	0.00	0.00	N/A	ppb
Copper	63-2	0.00	-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	0.00	0.02	-0.02	0.00	N/A	ppb
Iron	57-2	0.38	1.27	-1.66	0.00	N/A	ppb
Iron	54-2	0.00	0.49	-0.49	0.00	N/A	ppb
Krypton	83-1						cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 10:08:13	DataFile Name :	004CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.00	0.01	0.00	0.00	N/A	ppb
Lead	207-1	0.01	-0.01	-0.01	0.00	N/A	ppb
Lead	208-1	0.00	0.00	0.00	0.00	N/A	ppb
Lithium	6-1				100		%
Magnesium	24-2	0.11	-0.18	0.07	0.00	N/A	ppb
Manganese	55-2	0.01	0.00	-0.01	0.00	N/A	ppb
Molybdenum	94-1	0.01	-0.01	0.00	0.00	N/A	ppb
Molybdenum	95-1	0.00	-0.01	0.01	0.00	N/A	ppb
Molybdenum	96-1	0.00	0.00	0.00	0.00	N/A	ppb
Molybdenum	97-1	0.01	0.00	-0.01	0.00	N/A	ppb
Molybdenum	98-1	0.01	0.00	-0.01	0.00	N/A	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.07	-0.01	-0.06	0.00	N/A	ppb
Phosphorus	31-2	-129.47	-141.65	-137.56	-136.23		ppb
Potassium	39-2	-0.36	3.19	-2.84	0.00	N/A	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	82-1	0.07	0.33	-0.41	0.00	N/A	ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-1.97	1.12	0.85	0.00	N/A	ppb
Silicon	28-1	-0.71	0.43	0.28	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	-0.20	0.27	-0.07	0.00	N/A	ppb
Strontium	86-1	-0.03	0.01	0.03	0.00	N/A	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	N/A	ppb
Sulfur	34-1	-306.77	-179.24	-90.42	-192.14		ppb
Terbium	159-1				100		%
Terbium	159-2				100		%
Thallium	203-1	0.00	0.00	0.01	0.00	N/A	ppb
Thallium	205-1	0.00	0.00	0.00	0.00	N/A	ppb
Tin	118-1	0.00	0.00	0.00	0.00	N/A	ppb
Titanium	47-1	0.01	0.00	0.00	0.00	N/A	ppb

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 10:08:13	DataFile Name :	004CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	N/A	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	N/A	ppb
Yttrium	89-1				100		%
Yttrium	89-2				100		%
Zinc	66-2	0.07	-0.06	-0.01	0.00	N/A	ppb
Zirconium	90-1	0.00	0.00	0.00	0.00	N/A	ppb
Zirconium	91-1	0.00	0.00	0.00	0.00	N/A	ppb

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 10:11:31	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	20.94	20.91	20.94	20.93	0.10	ppb
Antimony	121-1	2.13	2.05	2.05	2.07	2.27	ppb
Arsenic	75-2	1.03	1.10	0.97	1.04	6.22	ppb
Barium	135-1	9.49	9.63	9.41	9.51	1.18	ppb
Barium	137-1	9.59	9.43	9.86	9.63	2.24	ppb
Beryllium	9-1	1.11	1.15	1.09	1.12	2.46	ppb
Bismuth	209-1				98		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.67	0.60	0.92	0.73	23.34	ppb
Cadmium	106-1	1.59	-0.71	1.67	0.85	159.09	ppb
Cadmium	111-1	1.05	0.83	1.05	0.98	12.89	ppb
Calcium	43-1	402.13	402.80	413.07	406.00	1.51	ppb
Calcium	44-1	420.29	426.05	421.92	422.75	0.70	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.04	2.02	2.14	2.07	2.93	ppb
Cobalt	59-2	1.10	1.09	1.09	1.09	0.68	ppb
Copper	63-2	1.98	1.96	1.88	1.94	2.60	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				97		%
Holmium	165-2				99		%
Indium	115-1				96		%
Indium	115-2				99		%
Iron	56-2	52.64	52.07	50.81	51.84	1.80	ppb
Iron	57-2	55.27	55.28	51.31	53.95	4.24	ppb
Iron	54-2	52.75	49.86	52.41	51.68	3.06	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 10:11:31	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.81	0.82	0.81	0.81	0.71	ppb
Lead	207-1	0.82	0.82	0.85	0.83	2.14	ppb
Lead	208-1	0.81	0.81	0.83	0.82	1.20	ppb
Lithium	6-1				98		%
Magnesium	24-2	478.85	475.23	477.80	477.29	0.39	ppb
Manganese	55-2	0.96	0.88	1.00	0.95	6.14	ppb
Molybdenum	94-1	5.80	6.11	5.71	5.88	3.56	ppb
Molybdenum	95-1	4.92	4.77	4.81	4.83	1.64	ppb
Molybdenum	96-1	4.96	4.93	5.05	4.98	1.27	ppb
Molybdenum	97-1	5.02	5.20	5.01	5.08	2.11	ppb
Molybdenum	98-1	4.94	4.96	4.99	4.96	0.51	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.11	0.83	1.02	0.99	14.11	ppb
Phosphorus	31-2	123.67	131.08	153.93	136.23	11.58	ppb
Potassium	39-2	492.43	484.69	479.28	485.47	1.36	ppb
Rhodium	103-1				99		%
Rhodium	103-2				100		%
Scandium	45-1				99		%
Scandium	45-2				99		%
Selenium	82-1	4.42	5.80	4.70	4.97	14.72	ppb
Selenium	77-2	4.74	4.86	3.34	4.31	19.59	ppb
Selenium	78-2	4.71	4.79	4.03	4.51	9.19	ppb
Silicon	28-1	1.34	3.26	2.42	2.34	41.04	ppb
Silver	107-1	1.06	1.04	1.08	1.06	1.79	ppb
Silver	109-1	1.06	1.03	1.07	1.05	2.38	ppb
Sodium	23-2	464.76	459.80	472.72	465.76	1.40	ppb
Strontium	86-1	0.95	0.95	0.92	0.94	1.68	ppb
Strontium	88-1	0.95	0.94	0.98	0.96	2.11	ppb
Sulfur	34-1	58.81	295.07	222.55	192.14	62.99	ppb
Terbium	159-1				98		%
Terbium	159-2				99		%
Thallium	203-1	0.99	0.97	1.01	0.99	1.99	ppb
Thallium	205-1	0.96	0.94	0.99	0.96	2.18	ppb
Tin	118-1	4.96	4.86	5.11	4.98	2.54	ppb
Titanium	47-1	4.97	5.10	5.15	5.07	1.89	ppb

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LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 10:11:31	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.95	0.91	0.93	0.93	2.25	ppb
Vanadium	51-2	4.96	4.96	5.07	5.00	1.22	ppb
Yttrium	89-1				100		%
Yttrium	89-2				100		%
Zinc	66-2	4.71	4.47	4.59	4.59	2.60	ppb
Zirconium	90-1	0.99	1.02	1.02	1.01	1.66	ppb
Zirconium	91-1	0.99	1.02	1.09	1.03	5.00	ppb

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 10:18:06	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	984.60	985.12	970.31	980.01	0.86	ppb
Antimony	121-1	50.72	51.86	51.87	51.48	1.29	ppb
Arsenic	75-2	50.98	50.64	51.13	50.92	0.49	ppb
Barium	135-1	248.99	251.38	255.12	251.83	1.23	ppb
Barium	137-1	244.62	248.83	248.08	247.18	0.91	ppb
Beryllium	9-1	51.26	51.73	52.70	51.90	1.41	ppb
Bismuth	209-1				99		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	51.53	53.25	54.18	52.99	2.54	ppb
Cadmium	106-1	50.78	52.63	54.20	52.54	3.26	ppb
Cadmium	111-1	51.96	52.66	52.33	52.32	0.67	ppb
Calcium	43-1	4946.97	4941.43	4945.30	4944.57	0.06	ppb
Calcium	44-1	4689.65	4771.70	4799.60	4753.65	1.20	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	51.54	51.61	50.80	51.31	0.88	ppb
Cobalt	59-2	51.71	51.37	51.66	51.58	0.35	ppb
Copper	63-2	526.66	532.91	518.42	526.00	1.38	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				99		%
Indium	115-1				100		%
Indium	115-2				98		%
Iron	56-2	2500.03	2496.97	2496.42	2497.81	0.08	ppb
Iron	57-2	2651.22	2657.49	2616.99	2641.90	0.83	ppb
Iron	54-2	2666.85	2668.02	2647.51	2660.79	0.43	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 10:18:06	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	239.52	239.15	237.44	238.70	0.47	ppb
Lead	207-1	235.06	236.57	236.23	235.95	0.34	ppb
Lead	208-1	242.77	241.09	244.48	242.78	0.70	ppb
Lithium	6-1				103		%
Magnesium	24-2	4899.21	4962.10	4871.95	4911.09	0.94	ppb
Manganese	55-2	511.47	508.52	510.97	510.32	0.31	ppb
Molybdenum	94-1	500.63	499.92	511.08	503.88	1.24	ppb
Molybdenum	95-1	494.74	496.98	506.62	499.45	1.26	ppb
Molybdenum	96-1	493.44	497.34	503.62	498.13	1.03	ppb
Molybdenum	97-1	501.40	501.09	506.34	502.94	0.59	ppb
Molybdenum	98-1	495.87	492.32	498.16	495.45	0.59	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	52.11	52.17	52.00	52.09	0.17	ppb
Phosphorus	31-2	902.26	904.57	916.50	907.77	0.84	ppb
Potassium	39-2	2516.00	2520.42	2496.22	2510.88	0.51	ppb
Rhodium	103-1				98		%
Rhodium	103-2				100		%
Scandium	45-1				97		%
Scandium	45-2				99		%
Selenium	82-1	52.22	50.76	52.42	51.80	1.75	ppb
Selenium	77-2	53.37	47.11	54.20	51.56	7.52	ppb
Selenium	78-2	49.39	53.83	49.55	50.93	4.94	ppb
Silicon	28-1	64.08	70.55	66.30	66.98	4.91	ppb
Silver	107-1	51.20	52.66	53.07	52.31	1.88	ppb
Silver	109-1	51.40	52.42	52.26	52.03	1.05	ppb
Sodium	23-2	4819.78	4853.29	4965.04	4879.37	1.56	ppb
Strontium	86-1	50.63	51.08	51.42	51.04	0.78	ppb
Strontium	88-1	50.49	50.72	51.26	50.82	0.78	ppb
Sulfur	34-1	1051.94	1159.80	1311.70	1174.48	11.11	ppb
Terbium	159-1				98		%
Terbium	159-2				99		%
Thallium	203-1	47.99	48.01	47.74	47.91	0.32	ppb
Thallium	205-1	47.36	47.49	47.25	47.37	0.25	ppb
Tin	118-1	49.48	50.99	51.55	50.67	2.11	ppb
Titanium	47-1	509.87	514.71	509.42	511.33	0.57	ppb

Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 10:18:06	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	46.59	46.61	46.93	46.71	0.41	ppb
Vanadium	51-2	50.50	51.07	50.30	50.62	0.79	ppb
Yttrium	89-1				100		%
Yttrium	89-2				101		%
Zinc	66-2	526.27	532.01	530.47	529.58	0.56	ppb
Zirconium	90-1	49.86	50.24	50.80	50.30	0.94	ppb
Zirconium	91-1	50.44	50.49	51.04	50.66	0.65	ppb

Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P7
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 10:21:17	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2415.20	2413.44	2419.48	2416.04	0.13	ppb
Antimony	121-1	121.01	124.70	123.69	123.13	1.55	ppb
Arsenic	75-2	131.87	125.76	131.58	129.74	2.66	ppb
Barium	135-1	596.82	602.85	605.97	601.88	0.77	ppb
Barium	137-1	586.10	596.17	597.78	593.35	1.07	ppb
Beryllium	9-1	125.84	127.56	129.10	127.50	1.28	ppb
Bismuth	209-1				100		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	122.79	125.36	128.48	125.55	2.27	ppb
Cadmium	106-1	121.58	122.86	124.69	123.04	1.27	ppb
Cadmium	111-1	123.85	125.45	128.00	125.77	1.67	ppb
Calcium	43-1	12054.89	12332.73	12315.41	12234.34	1.27	ppb
Calcium	44-1	11515.91	11860.96	11719.42	11698.76	1.48	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	124.59	125.25	125.43	125.09	0.35	ppb
Cobalt	59-2	126.85	127.66	127.78	127.43	0.40	ppb
Copper	63-2	1273.91	1272.94	1291.75	1279.53	0.83	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				98		%
Holmium	165-2				100		%
Indium	115-1				96		%
Indium	115-2				97		%
Iron	56-2	6262.31	6355.91	6322.35	6313.53	0.75	ppb
Iron	57-2	6450.58	6520.84	6512.45	6494.62	0.59	ppb
Iron	54-2	6567.42	6573.65	6594.66	6578.58	0.22	ppb
Krypton	83-1						cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P7
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 10:21:17	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	584.56	604.59	615.49	601.55	2.61	ppb
Lead	207-1	589.30	611.01	622.89	607.73	2.80	ppb
Lead	208-1	590.44	612.33	613.99	605.59	2.17	ppb
Lithium	6-1				102		%
Magnesium	24-2	12242.41	11887.54	12282.71	12137.56	1.79	ppb
Manganese	55-2	1267.18	1277.33	1235.49	1260.00	1.73	ppb
Molybdenum	94-1	1220.17	1238.31	1259.02	1239.16	1.57	ppb
Molybdenum	95-1	1213.53	1246.87	1245.01	1235.14	1.52	ppb
Molybdenum	96-1	1210.51	1247.51	1239.75	1232.59	1.58	ppb
Molybdenum	97-1	1205.26	1220.62	1239.87	1221.92	1.42	ppb
Molybdenum	98-1	1203.87	1222.37	1235.03	1220.42	1.28	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	129.11	127.90	127.33	128.11	0.71	ppb
Phosphorus	31-2	2396.64	2415.88	2390.19	2400.90	0.56	ppb
Potassium	39-2	5736.79	5787.07	5772.87	5765.58	0.45	ppb
Rhodium	103-1				98		%
Rhodium	103-2				98		%
Scandium	45-1				97		%
Scandium	45-2				99		%
Selenium	82-1	126.45	129.32	126.33	127.36	1.33	ppb
Selenium	77-2	129.40	126.40	144.21	133.34	7.15	ppb
Selenium	78-2	123.22	123.90	126.01	124.38	1.17	ppb
Silicon	28-1	134.88	140.83	144.85	140.19	3.58	ppb
Silver	107-1	126.01	126.84	126.03	126.29	0.38	ppb
Silver	109-1	123.80	125.13	124.19	124.37	0.55	ppb
Sodium	23-2	12081.04	11790.59	12121.58	11997.74	1.50	ppb
Strontium	86-1	121.96	124.66	123.90	123.51	1.13	ppb
Strontium	88-1	121.83	125.60	126.22	124.55	1.91	ppb
Sulfur	34-1	2369.21	2710.74	2810.36	2630.10	8.80	ppb
Terbium	159-1				100		%
Terbium	159-2				98		%
Thallium	203-1	112.88	117.01	118.49	116.13	2.50	ppb
Thallium	205-1	112.30	116.56	118.95	115.93	2.90	ppb
Tin	118-1	121.09	121.97	123.09	122.05	0.82	ppb
Titanium	47-1	1220.57	1256.57	1260.38	1245.84	1.76	ppb

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P7
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 10:21:17	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	119.36	121.89	124.86	122.04	2.26	ppb
Vanadium	51-2	125.29	126.40	125.71	125.80	0.44	ppb
Yttrium	89-1				100		%
Yttrium	89-2				97		%
Zinc	66-2	1285.83	1315.62	1275.97	1292.47	1.60	ppb
Zirconium	90-1	121.44	124.65	122.85	122.98	1.31	ppb
Zirconium	91-1	123.00	125.86	124.75	124.54	1.16	ppb

Reviewed By:Janvi
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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 10:24:15	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4805.54	4804.14	4853.30	4821.00	0.58	ppb
Antimony	121-1	247.07	253.15	248.63	249.62	1.27	ppb
Arsenic	75-2	252.98	254.88	256.04	254.63	0.61	ppb
Barium	135-1	1209.32	1242.51	1205.20	1219.01	1.68	ppb
Barium	137-1	1210.52	1259.52	1221.24	1230.43	2.09	ppb
Beryllium	9-1	251.25	254.96	258.52	254.91	1.43	ppb
Bismuth	209-1				100		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	248.00	258.75	248.70	251.82	2.39	ppb
Cadmium	106-1	245.65	258.16	251.58	251.80	2.49	ppb
Cadmium	111-1	249.28	257.45	253.39	253.37	1.61	ppb
Calcium	43-1	24228.25	25297.44	24898.35	24808.01	2.18	ppb
Calcium	44-1	23122.65	24108.12	23886.71	23705.83	2.18	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	252.38	251.81	254.31	252.84	0.52	ppb
Cobalt	59-2	254.00	254.43	256.03	254.82	0.42	ppb
Copper	63-2	2566.39	2520.15	2532.19	2539.58	0.94	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				100		%
Indium	115-1				97		%
Indium	115-2				99		%
Iron	56-2	12557.22	12521.17	12500.50	12526.29	0.23	ppb
Iron	57-2	12967.49	12905.42	13036.02	12969.64	0.50	ppb
Iron	54-2	12645.01	12496.19	12584.41	12575.20	0.60	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 10:24:15	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1203.93	1236.42	1236.55	1225.63	1.53	ppb
Lead	207-1	1208.88	1250.65	1239.98	1233.17	1.76	ppb
Lead	208-1	1209.68	1228.60	1250.86	1229.71	1.68	ppb
Lithium	6-1				102		%
Magnesium	24-2	24029.25	24455.34	24592.86	24359.15	1.21	ppb
Manganese	55-2	2530.48	2503.53	2481.92	2505.31	0.97	ppb
Molybdenum	94-1	2509.43	2487.55	2518.98	2505.32	0.64	ppb
Molybdenum	95-1	2454.39	2426.08	2470.97	2450.48	0.93	ppb
Molybdenum	96-1	2487.50	2460.25	2501.80	2483.18	0.85	ppb
Molybdenum	97-1	2494.19	2479.85	2516.08	2496.71	0.73	ppb
Molybdenum	98-1	2460.87	2482.12	2538.83	2493.94	1.62	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	256.05	253.61	254.70	254.79	0.48	ppb
Phosphorus	31-2	4981.37	5021.08	5098.04	5033.50	1.18	ppb
Potassium	39-2	11825.94	11740.70	11882.99	11816.54	0.61	ppb
Rhodium	103-1				97		%
Rhodium	103-2				99		%
Scandium	45-1				97		%
Scandium	45-2				99		%
Selenium	82-1	261.45	256.26	260.73	259.48	1.08	ppb
Selenium	77-2	251.40	249.89	260.90	254.06	2.35	ppb
Selenium	78-2	259.39	244.51	255.24	253.05	3.03	ppb
Silicon	28-1	258.91	274.96	272.90	268.92	3.25	ppb
Silver	107-1	247.13	255.22	251.05	251.13	1.61	ppb
Silver	109-1	245.60	255.66	250.91	250.72	2.01	ppb
Sodium	23-2	24189.78	24091.29	24212.88	24164.65	0.27	ppb
Strontium	86-1	249.32	250.24	253.57	251.04	0.89	ppb
Strontium	88-1	246.69	253.66	256.53	252.29	2.01	ppb
Sulfur	34-1	4878.74	5314.16	5331.66	5174.86	4.96	ppb
Terbium	159-1				99		%
Terbium	159-2				101		%
Thallium	203-1	232.44	233.43	238.67	234.85	1.43	ppb
Thallium	205-1	243.37	248.33	251.10	247.60	1.58	ppb
Tin	118-1	243.07	248.75	245.22	245.68	1.17	ppb
Titanium	47-1	2428.88	2556.00	2486.32	2490.40	2.56	ppb

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 10:24:15	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	239.45	241.86	250.92	244.08	2.48	ppb
Vanadium	51-2	249.82	250.27	252.47	250.86	0.57	ppb
Yttrium	89-1				100		%
Yttrium	89-2				99		%
Zinc	66-2	2628.11	2532.55	2589.88	2583.51	1.86	ppb
Zirconium	90-1	247.61	249.52	248.80	248.64	0.39	ppb
Zirconium	91-1	251.45	251.60	253.39	252.15	0.43	ppb

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 10:27:09	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9755.23	9326.89	9463.48	9515.20	2.30	ppb
Antimony	121-1	498.41	506.99	490.30	498.57	1.67	ppb
Arsenic	75-2	494.91	488.14	490.10	491.05	0.71	ppb
Barium	135-1	2451.96	2508.02	2447.38	2469.12	1.37	ppb
Barium	137-1	2461.36	2508.78	2410.64	2460.26	2.00	ppb
Beryllium	9-1	495.84	502.17	509.19	502.40	1.33	ppb
Bismuth	209-1				100		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	500.80	504.84	501.04	502.23	0.45	ppb
Cadmium	106-1	492.35	512.01	495.32	499.89	2.12	ppb
Cadmium	111-1	495.81	508.65	494.86	499.77	1.54	ppb
Calcium	43-1	47519.19	48495.27	48027.37	48013.94	1.02	ppb
Calcium	44-1	45877.90	46940.14	47099.38	46639.14	1.42	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	511.06	495.45	512.50	506.34	1.87	ppb
Cobalt	59-2	524.32	499.17	499.27	507.59	2.85	ppb
Copper	63-2	5046.36	5024.98	5013.17	5028.17	0.33	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				100		%
Indium	115-1				98		%
Indium	115-2				99		%
Iron	56-2	25363.60	24493.55	24437.61	24764.92	2.10	ppb
Iron	57-2	25378.69	24317.59	24168.95	24621.74	2.68	ppb
Iron	54-2	25415.08	24277.35	24929.26	24873.90	2.30	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 10:27:09	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2416.87	2497.66	2518.06	2477.53	2.16	ppb
Lead	207-1	2414.66	2511.56	2506.62	2477.61	2.20	ppb
Lead	208-1	2439.30	2491.21	2502.71	2477.74	1.36	ppb
Lithium	6-1				101		%
Magnesium	24-2	47545.56	46996.89	47389.26	47310.57	0.60	ppb
Manganese	55-2	5091.50	4809.06	4927.48	4942.68	2.87	ppb
Molybdenum	94-1	4856.54	4928.77	4898.93	4894.75	0.74	ppb
Molybdenum	95-1	4895.21	4941.50	5010.21	4948.97	1.17	ppb
Molybdenum	96-1	4900.03	4981.63	4937.06	4939.57	0.83	ppb
Molybdenum	97-1	4777.08	4940.73	5014.88	4910.90	2.48	ppb
Molybdenum	98-1	4817.22	4964.50	4893.50	4891.74	1.51	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	509.94	502.21	503.88	505.34	0.80	ppb
Phosphorus	31-2	10065.52	9733.91	9788.96	9862.80	1.80	ppb
Potassium	39-2	23014.49	22881.95	23449.47	23115.31	1.28	ppb
Rhodium	103-1				97		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	82-1	495.89	501.78	498.71	498.79	0.59	ppb
Selenium	77-2	501.48	492.90	481.12	491.83	2.08	ppb
Selenium	78-2	481.15	502.57	502.59	495.44	2.50	ppb
Silicon	28-1	490.36	513.95	507.81	504.04	2.43	ppb
Silver	107-1	498.64	501.87	495.44	498.65	0.64	ppb
Silver	109-1	497.36	505.95	492.83	498.71	1.34	ppb
Sodium	23-2	47677.56	46413.75	47285.08	47125.47	1.37	ppb
Strontium	86-1	482.29	493.08	496.98	490.78	1.55	ppb
Strontium	88-1	486.47	497.84	496.04	493.45	1.24	ppb
Sulfur	34-1	9490.58	9997.60	9912.94	9800.37	2.77	ppb
Terbium	159-1				100		%
Terbium	159-2				100		%
Thallium	203-1	495.61	492.36	505.14	497.70	1.33	ppb
Thallium	205-1	483.49	482.97	493.11	486.53	1.17	ppb
Tin	118-1	501.27	498.32	486.24	495.28	1.61	ppb
Titanium	47-1	4806.65	4839.63	4928.04	4858.11	1.29	ppb

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 10:27:09	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	487.91	500.90	499.84	496.22	1.45	ppb
Vanadium	51-2	485.64	476.99	490.95	484.53	1.45	ppb
Yttrium	89-1				101		%
Yttrium	89-2				100		%
Zinc	66-2	5052.26	5102.34	4964.96	5039.85	1.38	ppb
Zirconium	90-1	482.14	496.48	496.74	491.79	1.70	ppb
Zirconium	91-1	487.59	504.26	499.94	497.27	1.74	ppb

Reviewed By:Janvi
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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 10:29:53	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	18861.99	19256.69	18769.22	18962.63	1.37	ppb
Antimony	121-1	988.74	1004.21	1009.96	1000.97	1.10	ppb
Arsenic	75-2	1001.11	1006.77	1000.15	1002.68	0.36	ppb
Barium	135-1	5008.76	4981.72	5087.48	5025.99	1.09	ppb
Barium	137-1	5043.26	5007.19	5036.14	5028.86	0.38	ppb
Beryllium	9-1	982.65	1004.30	1004.54	997.17	1.26	ppb
Bismuth	209-1				99		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	989.40	992.72	1012.52	998.21	1.25	ppb
Cadmium	106-1	997.47	996.74	1004.96	999.72	0.46	ppb
Cadmium	111-1	997.30	989.79	1010.08	999.06	1.03	ppb
Calcium	43-1	96788.50	95054.73	93816.07	95219.77	1.57	ppb
Calcium	44-1	94251.38	96188.97	95776.80	95405.72	1.07	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1005.98	1005.60	976.55	996.05	1.70	ppb
Cobalt	59-2	998.34	999.88	985.63	994.62	0.79	ppb
Copper	63-2	9872.38	10084.13	9956.57	9971.03	1.07	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				100		%
Indium	115-1				98		%
Indium	115-2				96		%
Iron	56-2	50047.99	50854.61	48669.05	49857.22	2.22	ppb
Iron	57-2	49092.90	49206.44	49653.84	49317.72	0.60	ppb
Iron	54-2	50431.86	50788.88	49159.12	50126.62	1.71	ppb
Krypton	83-1						cps

Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 10:29:53	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	4977.68	5020.21	5064.58	5020.82	0.87	ppb
Lead	207-1	4973.09	5042.01	5039.69	5018.26	0.78	ppb
Lead	208-1	4981.79	5040.01	5035.17	5018.99	0.64	ppb
Lithium	6-1				101		%
Magnesium	24-2	95292.59	95752.83	94270.85	95105.42	0.80	ppb
Manganese	55-2	10028.27	10208.29	9840.14	10025.57	1.84	ppb
Molybdenum	94-1	9784.05	10261.08	10112.24	10052.46	2.43	ppb
Molybdenum	95-1	9771.11	10178.19	10170.04	10039.78	2.32	ppb
Molybdenum	96-1	9820.89	10107.28	10181.89	10036.69	1.90	ppb
Molybdenum	97-1	9922.23	10019.93	10204.06	10048.74	1.42	ppb
Molybdenum	98-1	9902.54	10208.92	10067.25	10059.57	1.52	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	988.66	1007.44	990.81	995.64	1.03	ppb
Phosphorus	31-2	19943.87	20411.34	19876.47	20077.23	1.45	ppb
Potassium	39-2	47438.12	47982.67	46299.70	47240.16	1.82	ppb
Rhodium	103-1				97		%
Rhodium	103-2				97		%
Scandium	45-1				99		%
Scandium	45-2				100		%
Selenium	82-1	966.79	1022.53	1004.23	997.85	2.85	ppb
Selenium	77-2	1013.14	998.64	994.07	1001.95	0.99	ppb
Selenium	78-2	992.13	1019.22	993.32	1001.55	1.53	ppb
Silicon	28-1	984.31	986.05	1001.37	990.58	0.95	ppb
Silver	107-1	991.89	1002.41	1006.05	1000.12	0.74	ppb
Silver	109-1	1001.32	995.22	1004.78	1000.44	0.48	ppb
Sodium	23-2	93306.72	95036.52	93202.01	93848.41	1.10	ppb
Strontium	86-1	991.19	1021.31	1000.95	1004.48	1.53	ppb
Strontium	88-1	983.82	1011.64	1012.69	1002.72	1.63	ppb
Sulfur	34-1	19895.20	20019.09	20179.04	20031.11	0.71	ppb
Terbium	159-1				101		%
Terbium	159-2				101		%
Thallium	203-1	1002.69	1000.78	1014.99	1006.15	0.77	ppb
Thallium	205-1	1004.30	1008.29	1013.21	1008.60	0.44	ppb
Tin	118-1	992.36	999.92	1019.04	1003.78	1.37	ppb
Titanium	47-1	9920.94	10138.98	10159.97	10073.30	1.31	ppb

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 10:29:53	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	993.31	1005.59	1012.82	1003.91	0.98	ppb
Vanadium	51-2	1022.86	1014.10	985.22	1007.39	1.96	ppb
Yttrium	89-1				101		%
Yttrium	89-2				99		%
Zinc	66-2	9972.51	10012.43	9872.28	9952.41	0.73	ppb
Zirconium	90-1	975.64	1036.89	1001.52	1004.68	3.06	ppb
Zirconium	91-1	983.98	1014.31	1004.27	1000.85	1.54	ppb

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P7
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 10:32:43	DataFile Name :	012CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	99635.38	100739.78	100426.45	100267.20	0.57	ppb
Antimony	121-1	1.09	1.15	1.14	1.13	2.94	ppb
Arsenic	75-2	1.52	1.45	1.69	1.55	8.07	ppb
Barium	135-1	4.37	4.47	4.29	4.38	1.97	ppb
Barium	137-1	4.00	4.48	4.11	4.20	6.07	ppb
Beryllium	9-1	0.46	0.51	0.44	0.47	7.49	ppb
Bismuth	209-1				90		%
Bismuth	209-2				90		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.03	1.13	0.73	0.96	21.32	ppb
Cadmium	106-1	0.06	1.98	-0.09	0.65	178.71	ppb
Cadmium	111-1	0.76	0.92	0.70	0.79	14.23	ppb
Calcium	43-1	491815.21	503512.39	508187.02	501171.54	1.68	ppb
Calcium	44-1	498834.12	507584.36	497608.19	501342.22	1.09	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	5.62	5.50	5.49	5.53	1.27	ppb
Cobalt	59-2	2.17	2.14	2.18	2.16	0.82	ppb
Copper	63-2	5.16	5.15	5.27	5.20	1.33	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				98		%
Holmium	165-2				99		%
Indium	115-1				94		%
Indium	115-2				97		%
Iron	56-2	250713.99	250908.75	248524.81	250049.18	0.53	ppb
Iron	57-2	255039.69	246098.01	249292.09	250143.26	1.81	ppb
Iron	54-2	249809.60	250156.98	249954.54	249973.70	0.07	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P7
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 10:32:43	DataFile Name :	012CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2.69	2.70	2.79	2.73	2.04	ppb
Lead	207-1	2.77	2.61	2.70	2.69	2.90	ppb
Lead	208-1	2.67	2.69	2.76	2.71	1.75	ppb
Lithium	6-1				95		%
Magnesium	24-2	503897.24	500290.59	499681.79	501289.87	0.45	ppb
Manganese	55-2	8.02	8.08	7.97	8.02	0.67	ppb
Molybdenum	94-1	6.22	6.24	6.25	6.23	0.24	ppb
Molybdenum	95-1	4.91	4.87	5.06	4.95	2.08	ppb
Molybdenum	96-1	6.30	6.50	6.39	6.40	1.58	ppb
Molybdenum	97-1	4.98	5.18	4.92	5.03	2.64	ppb
Molybdenum	98-1	4.88	4.99	4.89	4.92	1.27	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	4.51	4.36	4.23	4.36	3.20	ppb
Phosphorus	31-2	-111.63	-125.94	-120.27	-119.28		ppb
Potassium	39-2	252860.36	250894.24	248605.32	250786.64	0.85	ppb
Rhodium	103-1				89		%
Rhodium	103-2				93		%
Scandium	45-1				96		%
Scandium	45-2				100		%
Selenium	82-1	1.36	0.81	2.18	1.45	47.53	ppb
Selenium	77-2	0.23	1.41	2.83	1.49	87.19	ppb
Selenium	78-2	2.48	4.09	3.25	3.27	24.74	ppb
Silicon	28-1	9.48	9.97	9.25	9.57	3.82	ppb
Silver	107-1	0.57	0.46	0.39	0.47	20.16	ppb
Silver	109-1	0.60	0.45	0.41	0.49	20.28	ppb
Sodium	23-2	509906.94	506509.44	488303.62	501573.34	2.32	ppb
Strontium	86-1	13.69	14.18	13.55	13.81	2.38	ppb
Strontium	88-1	13.72	14.06	13.98	13.92	1.30	ppb
Sulfur	34-1	-575.22	-347.66	-649.00	-523.96		ppb
Terbium	159-1				97		%
Terbium	159-2				99		%
Thallium	203-1	1.19	1.16	1.19	1.18	1.78	ppb
Thallium	205-1	1.19	1.20	1.20	1.20	0.51	ppb
Tin	118-1	0.59	0.61	0.61	0.60	1.21	ppb
Titanium	47-1	3.66	3.78	3.78	3.74	1.84	ppb

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LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P7
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 10:32:43	DataFile Name :	012CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.36	0.37	0.36	0.36	1.26	ppb
Vanadium	51-2	0.72	0.72	0.70	0.71	1.57	ppb
Yttrium	89-1				98		%
Yttrium	89-2				100		%
Zinc	66-2	6.56	6.59	6.72	6.62	1.33	ppb
Zirconium	90-1	1.21	1.18	1.20	1.19	1.18	ppb
Zirconium	91-1	1.20	1.23	1.20	1.21	1.15	ppb

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LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P7
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 10:51:08	DataFile Name :	014ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1486.75	1486.10	1456.24	1476.37	1.18	ppb
Antimony	121-1	425.77	419.97	426.95	424.23	0.88	ppb
Arsenic	75-2	408.75	402.82	404.47	405.35	0.75	ppb
Barium	135-1	1696.04	1670.13	1685.90	1684.02	0.78	ppb
Barium	137-1	1681.44	1677.34	1693.34	1684.04	0.49	ppb
Beryllium	9-1	40.62	41.51	40.70	40.95	1.20	ppb
Bismuth	209-1				99		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	195.64	189.07	194.69	193.13	1.84	ppb
Cadmium	106-1	192.92	198.27	196.38	195.86	1.38	ppb
Cadmium	111-1	211.79	216.96	216.49	215.08	1.33	ppb
Calcium	43-1	3819.55	3879.29	3929.06	3875.97	1.41	ppb
Calcium	44-1	3930.74	3795.27	3958.64	3894.88	2.24	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	168.29	166.65	167.31	167.42	0.49	ppb
Cobalt	59-2	424.82	414.44	423.67	420.98	1.35	ppb
Copper	63-2	191.32	192.55	193.42	192.43	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				100		%
Holmium	165-2				103		%
Indium	115-1				101		%
Indium	115-2				103		%
Iron	56-2	801.32	809.87	801.43	804.21	0.61	ppb
Iron	57-2	834.87	846.67	851.99	844.51	1.04	ppb
Iron	54-2	938.48	942.36	944.15	941.66	0.31	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P7
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 10:51:08	DataFile Name :	014ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	368.65	391.10	370.62	376.79	3.30	ppb
Lead	207-1	369.85	389.51	367.18	375.51	3.25	ppb
Lead	208-1	384.72	396.78	382.41	387.97	1.99	ppb
Lithium	6-1				94		%
Magnesium	24-2	4008.75	4005.17	4034.22	4016.05	0.39	ppb
Manganese	55-2	372.12	369.45	370.87	370.81	0.36	ppb
Molybdenum	94-1	0.44	0.48	0.44	0.45	4.90	ppb
Molybdenum	95-1	0.51	0.53	0.44	0.49	10.15	ppb
Molybdenum	96-1	0.49	0.59	0.53	0.54	9.37	ppb
Molybdenum	97-1	0.52	0.54	0.48	0.51	6.38	ppb
Molybdenum	98-1	0.52	0.56	0.50	0.52	5.63	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	418.35	419.15	425.31	420.93	0.90	ppb
Phosphorus	31-2	-134.06	-133.49	-137.96	-135.17		ppb
Potassium	39-2	3815.11	3876.50	3837.33	3842.98	0.81	ppb
Rhodium	103-1				101		%
Rhodium	103-2				101		%
Scandium	45-1				103		%
Scandium	45-2				103		%
Selenium	82-1	424.65	430.62	424.04	426.44	0.85	ppb
Selenium	77-2	423.08	435.43	415.45	424.65	2.37	ppb
Selenium	78-2	424.66	413.52	420.30	419.49	1.34	ppb
Silicon	28-1	2.11	2.68	2.75	2.52	14.01	ppb
Silver	107-1	217.51	213.22	216.96	215.90	1.08	ppb
Silver	109-1	211.11	209.32	214.52	211.65	1.25	ppb
Sodium	23-2	3855.90	3887.56	3803.17	3848.88	1.11	ppb
Strontium	86-1	0.14	0.09	0.09	0.11	27.31	ppb
Strontium	88-1	0.09	0.09	0.09	0.09	3.98	ppb
Sulfur	34-1	-930.49	-905.79	-873.07	-903.12		ppb
Terbium	159-1				100		%
Terbium	159-2				102		%
Thallium	203-1	382.10	405.39	384.04	390.51	3.31	ppb
Thallium	205-1	389.68	405.42	386.70	393.93	2.55	ppb
Tin	118-1	0.53	0.51	0.53	0.53	1.95	ppb
Titanium	47-1	0.39	0.34	0.29	0.34	14.17	ppb

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LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P7
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 10:51:08	DataFile Name :	014ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.01	0.01	0.01	7.40	ppb
Vanadium	51-2	411.42	411.78	409.37	410.86	0.32	ppb
Yttrium	89-1				104		%
Yttrium	89-2				104		%
Zinc	66-2	391.13	395.00	393.39	393.17	0.49	ppb
Zirconium	90-1	0.02	0.02	0.01	0.02	19.94	ppb
Zirconium	91-1	0.09	0.10	0.13	0.10	21.34	ppb

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P7
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 10:54:13	DataFile Name :	015LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19.98	20.26	20.15	20.13	0.71	ppb
Antimony	121-1	2.12	2.19	2.22	2.18	2.46	ppb
Arsenic	75-2	0.99	1.02	0.90	0.97	6.77	ppb
Barium	135-1	9.64	9.87	9.72	9.74	1.18	ppb
Barium	137-1	9.66	9.80	9.96	9.81	1.52	ppb
Beryllium	9-1	1.25	1.18	1.14	1.19	4.62	ppb
Bismuth	209-1				99		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.01	0.83	0.78	0.87	13.75	ppb
Cadmium	106-1	-0.15	0.14	-1.03	-0.34		ppb
Cadmium	111-1	0.88	0.95	0.82	0.88	7.35	ppb
Calcium	43-1	406.34	408.81	410.33	408.49	0.49	ppb
Calcium	44-1	422.07	432.50	418.50	424.36	1.71	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.06	2.03	2.04	2.04	0.86	ppb
Cobalt	59-2	1.10	1.02	1.07	1.06	3.92	ppb
Copper	63-2	1.98	1.91	1.94	1.94	1.90	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				99		%
Holmium	165-2				101		%
Indium	115-1				103		%
Indium	115-2				102		%
Iron	56-2	52.31	50.70	51.56	51.53	1.57	ppb
Iron	57-2	53.21	52.77	53.47	53.15	0.67	ppb
Iron	54-2	53.34	53.12	52.82	53.10	0.49	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P7
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 10:54:13	DataFile Name :	015LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.82	0.82	0.85	0.83	2.15	ppb
Lead	207-1	0.83	0.84	0.84	0.84	1.07	ppb
Lead	208-1	0.79	0.84	0.85	0.83	3.37	ppb
Lithium	6-1				95		%
Magnesium	24-2	464.93	457.77	460.67	461.12	0.78	ppb
Manganese	55-2	0.98	0.86	0.93	0.92	6.67	ppb
Molybdenum	94-1	5.93	5.68	6.07	5.89	3.38	ppb
Molybdenum	95-1	4.88	4.92	4.82	4.87	0.96	ppb
Molybdenum	96-1	4.88	4.94	5.00	4.94	1.21	ppb
Molybdenum	97-1	4.79	4.84	4.87	4.83	0.77	ppb
Molybdenum	98-1	4.91	4.91	4.89	4.91	0.23	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.86	0.91	0.96	0.91	5.35	ppb
Phosphorus	31-2	128.12	119.13	103.47	116.91	10.67	ppb
Potassium	39-2	494.76	487.94	486.86	489.85	0.87	ppb
Rhodium	103-1				101		%
Rhodium	103-2				101		%
Scandium	45-1				102		%
Scandium	45-2				102		%
Selenium	82-1	5.10	4.84	6.00	5.31	11.43	ppb
Selenium	77-2	5.05	7.10	5.17	5.78	19.96	ppb
Selenium	78-2	5.98	4.98	5.36	5.44	9.29	ppb
Silicon	28-1	2.94	4.40	3.64	3.66	19.85	ppb
Silver	107-1	1.12	1.19	1.17	1.16	3.46	ppb
Silver	109-1	1.13	1.15	1.11	1.13	1.71	ppb
Sodium	23-2	471.00	468.87	464.72	468.20	0.68	ppb
Strontium	86-1	0.89	0.96	1.03	0.96	7.49	ppb
Strontium	88-1	0.95	0.93	0.98	0.95	2.52	ppb
Sulfur	34-1	-809.98	-683.55	-807.76	-767.10		ppb
Terbium	159-1				100		%
Terbium	159-2				100		%
Thallium	203-1	0.95	0.98	0.99	0.98	2.20	ppb
Thallium	205-1	1.00	0.98	1.00	0.99	1.30	ppb
Tin	118-1	5.14	5.14	5.06	5.11	0.97	ppb
Titanium	47-1	5.08	5.11	5.20	5.13	1.20	ppb

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P7
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 10:54:13	DataFile Name :	015LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.89	0.89	0.89	0.89	0.32	ppb
Vanadium	51-2	4.93	4.99	5.03	4.98	1.04	ppb
Yttrium	89-1				105		%
Yttrium	89-2				102		%
Zinc	66-2	4.97	4.27	4.48	4.57	7.85	ppb
Zirconium	90-1	0.99	1.04	1.07	1.03	3.72	ppb
Zirconium	91-1	0.96	0.96	1.07	1.00	6.12	ppb

Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P7
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 11:04:05	DataFile Name :	018CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.16	-0.45	-0.11	-0.13		ppb
Antimony	121-1	0.01	0.02	0.01	0.01	14.01	ppb
Arsenic	75-2	0.00	-0.01	-0.01	-0.01		ppb
Barium	135-1	-0.01	-0.01	-0.02	-0.01		ppb
Barium	137-1	-0.02	-0.01	-0.01	-0.01		ppb
Beryllium	9-1	-0.01	0.00	0.00	0.00		ppb
Bismuth	209-1				98		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.06	-0.09	-0.09	-0.08		ppb
Cadmium	106-1	-2.99	-2.46	-2.81	-2.75		ppb
Cadmium	111-1	-0.21	-0.17	-0.19	-0.19		ppb
Calcium	43-1	-76.09	-75.44	-74.50	-75.34		ppb
Calcium	44-1	-62.98	-59.44	-61.45	-61.29		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.02	0.01	-0.01	0.01	177.35	ppb
Cobalt	59-2	-0.01	-0.02	-0.01	-0.01		ppb
Copper	63-2	0.02	-0.04	-0.02	-0.01		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				99		%
Holmium	165-2				101		%
Indium	115-1				101		%
Indium	115-2				102		%
Iron	56-2	-0.29	-0.39	-0.58	-0.42		ppb
Iron	57-2	0.38	0.21	0.10	0.23	60.57	ppb
Iron	54-2	-0.49	-0.83	-0.20	-0.51		ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P7
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 11:04:05	DataFile Name :	018CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.01	0.02	0.00	0.01	90.84	ppb
Lead	207-1	0.01	0.01	0.00	0.01	158.10	ppb
Lead	208-1	0.01	0.01	0.01	0.01	17.78	ppb
Lithium	6-1				96		%
Magnesium	24-2	-0.24	-0.16	-0.19	-0.20		ppb
Manganese	55-2	-0.13	-0.09	-0.08	-0.10		ppb
Molybdenum	94-1	0.04	-0.03	0.02	0.01	430.72	ppb
Molybdenum	95-1	-0.01	-0.02	-0.01	-0.01		ppb
Molybdenum	96-1	0.01	0.00	-0.01	0.00		ppb
Molybdenum	97-1	0.02	0.00	0.02	0.01	98.06	ppb
Molybdenum	98-1	0.01	0.00	0.01	0.00	143.42	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.12	-0.10	-0.12	-0.11		ppb
Phosphorus	31-2	-126.89	-141.27	-134.02	-134.06		ppb
Potassium	39-2	5.05	0.74	3.85	3.21	69.14	ppb
Rhodium	103-1				101		%
Rhodium	103-2				101		%
Scandium	45-1				102		%
Scandium	45-2				101		%
Selenium	82-1	-0.43	0.16	0.22	-0.02		ppb
Selenium	77-2	0.00	0.23	0.00	0.08	173.21	ppb
Selenium	78-2	0.50	-1.54	0.20	-0.28		ppb
Silicon	28-1	-0.63	1.26	1.31	0.64	171.52	ppb
Silver	107-1	0.01	0.01	0.00	0.01	35.45	ppb
Silver	109-1	0.01	0.01	0.00	0.01	48.69	ppb
Sodium	23-2	10.17	9.49	8.88	9.51	6.78	ppb
Strontium	86-1	-0.01	0.00	0.06	0.02	224.44	ppb
Strontium	88-1	-0.02	-0.02	-0.02	-0.02		ppb
Sulfur	34-1	-977.98	-610.89	-653.99	-747.62		ppb
Terbium	159-1				101		%
Terbium	159-2				99		%
Thallium	203-1	0.00	0.01	0.02	0.01	181.57	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	18.37	ppb
Tin	118-1	0.01	0.00	0.02	0.01	65.21	ppb
Titanium	47-1	-0.01	-0.01	-0.01	-0.01		ppb

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P7
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 11:04:05	DataFile Name :	018CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00		ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	67.24	ppb
Yttrium	89-1				104		%
Yttrium	89-2				102		%
Zinc	66-2	-0.31	-0.29	-0.41	-0.34		ppb
Zirconium	90-1	0.00	0.01	0.00	0.00	36.23	ppb
Zirconium	91-1	0.00	0.01	0.00	0.00	55.99	ppb

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P7
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 11:11:12	DataFile Name :	019ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	86968.95	89058.79	86607.64	87545.13	1.51	ppb
Antimony	121-1	1.08	1.19	1.09	1.12	5.11	ppb
Arsenic	75-2	0.38	0.36	0.34	0.36	5.68	ppb
Barium	135-1	1.45	1.53	1.28	1.42	8.89	ppb
Barium	137-1	1.35	1.41	1.41	1.39	2.39	ppb
Beryllium	9-1	0.31	0.33	0.30	0.31	5.32	ppb
Bismuth	209-1				97		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	7.65	7.02	6.13	6.93	11.08	ppb
Cadmium	106-1	-3.61	-1.79	-3.63	-3.01		ppb
Cadmium	111-1	0.00	0.20	0.09	0.10	105.35	ppb
Calcium	43-1	92207.10	94799.41	93990.48	93665.66	1.42	ppb
Calcium	44-1	92624.40	95391.18	95658.57	94558.05	1.78	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	19.87	20.26	20.31	20.15	1.20	ppb
Cobalt	59-2	1.26	1.29	1.30	1.28	1.47	ppb
Copper	63-2	7.41	7.36	7.28	7.35	0.84	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				104		%
Indium	115-1				102		%
Indium	115-2				101		%
Iron	56-2	96163.79	96377.16	97671.31	96737.42	0.84	ppb
Iron	57-2	96305.93	96536.27	94316.48	95719.56	1.28	ppb
Iron	54-2	97176.34	96137.31	96455.19	96589.61	0.55	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P7
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 11:11:12	DataFile Name :	019ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	4.50	4.59	4.70	4.59	2.14	ppb
Lead	207-1	4.10	4.26	4.44	4.27	3.90	ppb
Lead	208-1	4.19	4.43	4.51	4.38	3.84	ppb
Lithium	6-1				94		%
Magnesium	24-2	87305.37	87736.97	88034.74	87692.36	0.42	ppb
Manganese	55-2	7.47	7.17	7.33	7.33	2.00	ppb
Molybdenum	94-1	1538.87	1621.00	1604.00	1587.96	2.73	ppb
Molybdenum	95-1	1920.69	1945.64	1939.10	1935.14	0.67	ppb
Molybdenum	96-1	1906.72	1921.40	1894.75	1907.62	0.70	ppb
Molybdenum	97-1	1920.96	1968.28	1919.38	1936.21	1.44	ppb
Molybdenum	98-1	1926.26	1999.50	1955.01	1960.26	1.88	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	5.41	5.50	5.20	5.37	2.88	ppb
Phosphorus	31-2	101102.54	100338.53	98667.41	100036.16	1.24	ppb
Potassium	39-2	94372.14	94662.83	93728.12	94254.37	0.51	ppb
Rhodium	103-1				100		%
Rhodium	103-2				102		%
Scandium	45-1				103		%
Scandium	45-2				102		%
Selenium	82-1	0.26	0.28	0.92	0.49	78.05	ppb
Selenium	77-2	0.00	0.00	0.23	0.08	173.21	ppb
Selenium	78-2	-1.63	-1.27	-1.31	-1.40		ppb
Silicon	28-1	2.12	3.29	2.90	2.77	21.50	ppb
Silver	107-1	0.04	0.04	0.03	0.04	8.14	ppb
Silver	109-1	0.03	0.04	0.03	0.03	22.50	ppb
Sodium	23-2	92646.85	94902.17	92206.19	93251.74	1.55	ppb
Strontium	86-1	31.70	33.31	32.64	32.55	2.47	ppb
Strontium	88-1	32.06	33.08	32.46	32.53	1.58	ppb
Sulfur	34-1	102585.10	101981.47	104472.88	103013.15	1.26	ppb
Terbium	159-1				103		%
Terbium	159-2				102		%
Thallium	203-1	0.02	0.02	0.06	0.03	62.93	ppb
Thallium	205-1	0.00	0.03	0.06	0.03	85.01	ppb
Tin	118-1	0.32	0.49	0.53	0.45	24.65	ppb
Titanium	47-1	1994.47	2031.42	2070.96	2032.28	1.88	ppb

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P7
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 11:11:12	DataFile Name :	019ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.01	0.02	0.01	12.22	ppb
Vanadium	51-2	0.23	0.18	0.23	0.21	14.85	ppb
Yttrium	89-1				106		%
Yttrium	89-2				104		%
Zinc	66-2	9.85	9.85	10.04	9.91	1.10	ppb
Zirconium	90-1	0.02	0.01	0.02	0.02	21.38	ppb
Zirconium	91-1	0.02	0.03	0.03	0.03	17.08	ppb

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P7
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 11:14:29	DataFile Name :	020ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	87036.76	86090.19	86282.72	86469.89	0.58	ppb
Antimony	121-1	21.25	21.96	21.08	21.43	2.19	ppb
Arsenic	75-2	19.82	20.02	20.49	20.11	1.71	ppb
Barium	135-1	21.90	22.12	21.72	21.91	0.91	ppb
Barium	137-1	21.61	21.49	21.11	21.40	1.23	ppb
Beryllium	9-1	19.53	19.48	20.93	19.98	4.11	ppb
Bismuth	209-1				100		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	25.97	26.60	24.82	25.80	3.50	ppb
Cadmium	106-1	15.47	18.11	13.61	15.73	14.37	ppb
Cadmium	111-1	20.17	21.07	20.14	20.46	2.58	ppb
Calcium	43-1	91522.38	90775.39	98093.94	93463.90	4.31	ppb
Calcium	44-1	93892.25	91540.11	97062.14	94164.83	2.94	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	40.68	40.90	41.43	41.00	0.94	ppb
Cobalt	59-2	22.46	22.46	22.24	22.39	0.56	ppb
Copper	63-2	26.09	26.49	26.67	26.41	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				107		%
Holmium	165-2				105		%
Indium	115-1				106		%
Indium	115-2				103		%
Iron	56-2	98657.25	96612.96	98273.42	97847.88	1.11	ppb
Iron	57-2	95320.52	96068.14	99014.44	96801.03	2.02	ppb
Iron	54-2	95063.98	94735.06	97533.31	95777.45	1.60	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P7
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 11:14:29	DataFile Name :	020ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	23.70	24.06	25.16	24.31	3.14	ppb
Lead	207-1	22.63	22.64	23.95	23.08	3.30	ppb
Lead	208-1	22.77	22.92	23.84	23.18	2.50	ppb
Lithium	6-1				94		%
Magnesium	24-2	86402.66	85814.01	86538.38	86251.68	0.45	ppb
Manganese	55-2	25.72	25.98	25.67	25.79	0.66	ppb
Molybdenum	94-1	1615.24	1636.43	1620.89	1624.19	0.68	ppb
Molybdenum	95-1	1950.22	1980.24	1946.00	1958.82	0.95	ppb
Molybdenum	96-1	1888.77	1915.27	1883.19	1895.74	0.90	ppb
Molybdenum	97-1	1931.49	1947.13	1939.17	1939.26	0.40	ppb
Molybdenum	98-1	1952.62	1952.35	1950.12	1951.70	0.07	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	25.47	26.12	26.33	25.98	1.73	ppb
Phosphorus	31-2	100178.04	100719.96	100032.76	100310.25	0.36	ppb
Potassium	39-2	92513.13	93156.10	94087.20	93252.14	0.85	ppb
Rhodium	103-1				102		%
Rhodium	103-2				103		%
Scandium	45-1				102		%
Scandium	45-2				103		%
Selenium	82-1	20.66	20.31	19.53	20.16	2.87	ppb
Selenium	77-2	21.10	18.67	24.89	21.55	14.56	ppb
Selenium	78-2	18.44	18.79	18.46	18.56	1.07	ppb
Silicon	28-1	2.28	2.40	4.63	3.10	42.77	ppb
Silver	107-1	19.85	20.67	19.72	20.08	2.56	ppb
Silver	109-1	19.56	20.00	19.79	19.78	1.11	ppb
Sodium	23-2	92929.71	92211.98	91988.11	92376.60	0.53	ppb
Strontium	86-1	31.90	32.76	32.61	32.42	1.41	ppb
Strontium	88-1	32.79	33.07	33.00	32.96	0.44	ppb
Sulfur	34-1	102822.18	99019.90	103997.44	101946.51	2.55	ppb
Terbium	159-1				105		%
Terbium	159-2				104		%
Thallium	203-1	19.63	19.56	20.72	19.97	3.26	ppb
Thallium	205-1	19.19	19.82	20.18	19.73	2.53	ppb
Tin	118-1	0.46	0.51	0.61	0.53	14.81	ppb
Titanium	47-1	2006.42	2049.71	2087.95	2048.02	1.99	ppb

Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P7
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 11:14:29	DataFile Name :	020ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.02	0.02	0.01	0.01	13.82	ppb
Vanadium	51-2	20.53	21.04	20.98	20.85	1.34	ppb
Yttrium	89-1				109		%
Yttrium	89-2				105		%
Zinc	66-2	28.86	29.88	28.88	29.20	1.99	ppb
Zirconium	90-1	0.01	0.01	0.01	0.01	11.61	ppb
Zirconium	91-1	0.01	0.01	0.02	0.01	72.57	ppb

Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	CCV01	Instrumnet Name :	P7
Client Sample ID :	CCV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 11:17:34	DataFile Name :	021CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	48239.51	49630.71	48657.50	48842.57	1.46	ppb
Antimony	121-1	514.49	526.64	526.69	522.61	1.34	ppb
Arsenic	75-2	505.08	506.08	506.26	505.81	0.13	ppb
Barium	135-1	2598.20	2712.53	2659.73	2656.82	2.15	ppb
Barium	137-1	2539.56	2622.98	2603.03	2588.52	1.68	ppb
Beryllium	9-1	528.18	536.28	540.76	535.07	1.19	ppb
Bismuth	209-1				95		%
Bismuth	209-2				94		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	504.58	519.55	518.85	514.32	1.64	ppb
Cadmium	106-1	505.22	513.45	514.70	511.12	1.01	ppb
Cadmium	111-1	501.16	515.99	510.14	509.10	1.47	ppb
Calcium	43-1	236762.19	249754.07	244287.19	243601.15	2.68	ppb
Calcium	44-1	239917.10	253593.55	248142.44	247217.69	2.78	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	525.13	513.31	522.34	520.26	1.19	ppb
Cobalt	59-2	517.38	521.73	527.98	522.36	1.02	ppb
Copper	63-2	5076.26	5010.53	5130.45	5072.41	1.18	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				103		%
Holmium	165-2				103		%
Indium	115-1				101		%
Indium	115-2				99		%
Iron	56-2	127213.35	126897.92	129966.75	128026.01	1.32	ppb
Iron	57-2	126187.77	125923.58	126247.59	126119.65	0.14	ppb
Iron	54-2	126462.12	127713.59	128112.49	127429.40	0.68	ppb
Krypton	83-1						cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	CCV01	Instrumnet Name :	P7
Client Sample ID :	CCV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 11:17:34	DataFile Name :	021CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2631.06	2701.21	2784.28	2705.52	2.84	ppb
Lead	207-1	2595.08	2720.11	2761.37	2692.19	3.22	ppb
Lead	208-1	2607.44	2675.16	2737.02	2673.21	2.42	ppb
Lithium	6-1				91		%
Magnesium	24-2	242807.67	244401.35	245589.43	244266.15	0.57	ppb
Manganese	55-2	5195.42	5128.25	5292.53	5205.40	1.59	ppb
Molybdenum	94-1	5109.32	5261.82	5228.04	5199.72	1.54	ppb
Molybdenum	95-1	5077.29	5333.13	5242.51	5217.64	2.49	ppb
Molybdenum	96-1	5159.38	5323.29	5209.27	5230.64	1.61	ppb
Molybdenum	97-1	5143.30	5435.44	5235.76	5271.50	2.83	ppb
Molybdenum	98-1	5099.58	5287.92	5217.42	5201.64	1.83	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	509.50	505.96	506.49	507.32	0.38	ppb
Phosphorus	31-2	10275.85	10191.21	10463.36	10310.14	1.35	ppb
Potassium	39-2	122642.03	123085.96	124692.90	123473.63	0.87	ppb
Rhodium	103-1				99		%
Rhodium	103-2				98		%
Scandium	45-1				102		%
Scandium	45-2				103		%
Selenium	82-1	477.63	495.60	493.72	488.98	2.02	ppb
Selenium	77-2	483.14	496.21	489.95	489.77	1.33	ppb
Selenium	78-2	489.89	481.42	479.71	483.67	1.13	ppb
Silicon	28-1	274.54	350.14	285.28	303.32	13.48	ppb
Silver	107-1	510.37	522.63	520.11	517.70	1.25	ppb
Silver	109-1	513.00	521.76	511.49	515.41	1.08	ppb
Sodium	23-2	235304.02	236349.59	235846.59	235833.40	0.22	ppb
Strontium	86-1	509.24	531.39	526.86	522.50	2.24	ppb
Strontium	88-1	524.64	538.25	528.41	530.43	1.32	ppb
Sulfur	34-1	8510.35	9204.87	9073.08	8929.43	4.13	ppb
Terbium	159-1				104		%
Terbium	159-2				100		%
Thallium	203-1	525.03	532.05	561.15	539.41	3.55	ppb
Thallium	205-1	530.85	533.34	555.25	539.81	2.49	ppb
Tin	118-1	523.50	521.13	520.55	521.73	0.30	ppb
Titanium	47-1	5077.83	5338.14	5297.93	5237.97	2.68	ppb

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	CCV01	Instrumnet Name :	P7
Client Sample ID :	CCV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 11:17:34	DataFile Name :	021CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	509.89	520.12	527.22	519.08	1.68	ppb
Vanadium	51-2	529.60	520.37	520.71	523.56	1.00	ppb
Yttrium	89-1				106		%
Yttrium	89-2				104		%
Zinc	66-2	4979.09	4966.08	5032.50	4992.56	0.71	ppb
Zirconium	90-1	507.31	531.82	524.70	521.28	2.42	ppb
Zirconium	91-1	513.35	539.25	533.00	528.53	2.56	ppb

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	CCB01	Instrumnet Name :	P7
Client Sample ID :	CCB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 11:20:32	DataFile Name :	022CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.78	0.86	0.43	0.69	32.93	ppb
Antimony	121-1	0.10	0.10	0.10	0.10	3.53	ppb
Arsenic	75-2	0.01	0.04	-0.01	0.02	162.30	ppb
Barium	135-1	0.00	0.02	0.00	0.01	170.34	ppb
Barium	137-1	0.01	0.01	0.00	0.01	130.58	ppb
Beryllium	9-1	0.02	0.00	0.00	0.01	204.34	ppb
Bismuth	209-1				101		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.05	0.06	0.06	0.05	7.67	ppb
Cadmium	106-1	-1.79	-2.37	-1.65	-1.94		ppb
Cadmium	111-1	-0.11	-0.11	-0.10	-0.11		ppb
Calcium	43-1	-72.07	-71.61	-71.20	-71.63		ppb
Calcium	44-1	-58.67	-61.09	-55.97	-58.58		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.07	0.01	0.02	0.03	102.28	ppb
Cobalt	59-2	-0.01	-0.01	-0.01	-0.01		ppb
Copper	63-2	0.28	0.26	0.21	0.25	15.41	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				102		%
Holmium	165-2				104		%
Indium	115-1				106		%
Indium	115-2				106		%
Iron	56-2	1.74	1.68	1.80	1.74	3.23	ppb
Iron	57-2	1.82	2.66	2.42	2.30	18.68	ppb
Iron	54-2	0.83	2.29	0.99	1.37	58.51	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	CCB01	Instrumnet Name :	P7
Client Sample ID :	CCB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 11:20:32	DataFile Name :	022CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.07	0.07	0.07	0.07	4.03	ppb
Lead	207-1	0.06	0.06	0.06	0.06	5.40	ppb
Lead	208-1	0.06	0.07	0.06	0.06	6.47	ppb
Lithium	6-1				92		%
Magnesium	24-2	3.29	2.82	2.82	2.98	9.04	ppb
Manganese	55-2	-0.05	-0.02	-0.02	-0.03		ppb
Molybdenum	94-1	0.22	0.15	0.14	0.17	23.97	ppb
Molybdenum	95-1	0.20	0.13	0.15	0.16	20.72	ppb
Molybdenum	96-1	0.20	0.16	0.15	0.17	16.23	ppb
Molybdenum	97-1	0.18	0.16	0.13	0.16	15.85	ppb
Molybdenum	98-1	0.18	0.16	0.16	0.17	7.66	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.14	-0.12	-0.10	-0.12		ppb
Phosphorus	31-2	-139.39	-135.28	-139.67	-138.11		ppb
Potassium	39-2	23.84	26.95	24.13	24.97	6.88	ppb
Rhodium	103-1				105		%
Rhodium	103-2				105		%
Scandium	45-1				103		%
Scandium	45-2				102		%
Selenium	82-1	0.05	0.72	-0.43	0.11	508.03	ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	0.48	0.86	-1.41	-0.02		ppb
Silicon	28-1	-0.30	0.12	0.90	0.24	255.04	ppb
Silver	107-1	0.05	0.04	0.04	0.05	11.31	ppb
Silver	109-1	0.04	0.05	0.03	0.04	22.33	ppb
Sodium	23-2	54.66	53.59	52.05	53.43	2.45	ppb
Strontium	86-1	0.02	0.03	-0.02	0.01	199.30	ppb
Strontium	88-1	-0.01	-0.02	-0.01	-0.01		ppb
Sulfur	34-1	-1611.78	-1533.03	-1358.28	-1501.03		ppb
Terbium	159-1				102		%
Terbium	159-2				102		%
Thallium	203-1	0.05	0.07	0.03	0.05	39.83	ppb
Thallium	205-1	0.05	0.05	0.05	0.05	6.50	ppb
Tin	118-1	0.10	0.10	0.11	0.10	3.43	ppb
Titanium	47-1	0.05	0.10	0.00	0.05	101.59	ppb

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	CCB01	Instrumnet Name :	P7
Client Sample ID :	CCB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 11:20:32	DataFile Name :	022CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.01	0.01	0.01	28.30	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	112.66	ppb
Yttrium	89-1				108		%
Yttrium	89-2				104		%
Zinc	66-2	-0.29	-0.26	-0.32	-0.29		ppb
Zirconium	90-1	0.02	0.01	0.01	0.01	35.37	ppb
Zirconium	91-1	0.03	0.03	0.01	0.02	59.65	ppb

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P7
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 11:23:51	DataFile Name :	023LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19.17	19.17	18.36	18.90	2.50	ppb
Antimony	121-1	2.10	2.11	2.04	2.08	1.89	ppb
Arsenic	75-2	1.10	0.94	0.89	0.97	11.30	ppb
Barium	135-1	9.74	9.82	9.82	9.79	0.48	ppb
Barium	137-1	9.49	9.74	9.66	9.63	1.34	ppb
Beryllium	9-1	1.22	1.19	1.07	1.16	6.88	ppb
Bismuth	209-1				100		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.19	1.05	1.01	1.08	8.66	ppb
Cadmium	106-1	-1.48	-0.79	-0.70	-0.99		ppb
Cadmium	111-1	0.82	0.78	0.77	0.79	3.44	ppb
Calcium	43-1	396.22	422.95	413.91	411.03	3.31	ppb
Calcium	44-1	411.85	424.54	419.37	418.59	1.52	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.00	2.01	2.05	2.02	1.37	ppb
Cobalt	59-2	1.05	1.05	1.11	1.07	2.90	ppb
Copper	63-2	1.93	1.87	2.02	1.94	3.92	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				102		%
Holmium	165-2				104		%
Indium	115-1				106		%
Indium	115-2				105		%
Iron	56-2	51.56	51.96	52.79	52.10	1.21	ppb
Iron	57-2	53.60	57.06	54.91	55.19	3.17	ppb
Iron	54-2	53.36	55.17	53.03	53.85	2.13	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P7
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 11:23:51	DataFile Name :	023LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.88	0.86	0.85	0.86	2.06	ppb
Lead	207-1	0.80	0.82	0.84	0.82	2.30	ppb
Lead	208-1	0.85	0.84	0.85	0.85	0.69	ppb
Lithium	6-1				94		%
Magnesium	24-2	459.02	450.49	465.81	458.44	1.67	ppb
Manganese	55-2	0.90	0.93	0.94	0.92	2.60	ppb
Molybdenum	94-1	5.93	5.93	6.14	6.00	2.03	ppb
Molybdenum	95-1	5.00	5.03	5.02	5.02	0.37	ppb
Molybdenum	96-1	4.96	5.19	5.08	5.08	2.32	ppb
Molybdenum	97-1	5.00	5.01	4.87	4.96	1.55	ppb
Molybdenum	98-1	4.99	5.11	4.92	5.01	1.83	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.76	0.90	0.80	0.82	8.74	ppb
Phosphorus	31-2	115.64	86.73	98.66	100.34	14.48	ppb
Potassium	39-2	490.62	500.26	507.26	499.38	1.67	ppb
Rhodium	103-1				104		%
Rhodium	103-2				104		%
Scandium	45-1				104		%
Scandium	45-2				102		%
Selenium	82-1	5.02	6.04	4.77	5.28	12.77	ppb
Selenium	77-2	2.93	4.51	2.70	3.38	29.19	ppb
Selenium	78-2	4.11	6.70	5.53	5.45	23.84	ppb
Silicon	28-1	-0.41	0.80	0.29	0.23	266.71	ppb
Silver	107-1	1.05	1.13	1.13	1.10	4.38	ppb
Silver	109-1	1.08	1.12	1.10	1.10	1.90	ppb
Sodium	23-2	488.03	477.44	488.81	484.76	1.31	ppb
Strontium	86-1	0.88	0.97	1.00	0.95	6.70	ppb
Strontium	88-1	0.94	0.96	0.94	0.95	1.38	ppb
Sulfur	34-1	-1213.66	-1063.42	-1100.36	-1125.81		ppb
Terbium	159-1				103		%
Terbium	159-2				103		%
Thallium	203-1	0.97	1.01	1.02	1.00	2.83	ppb
Thallium	205-1	0.97	1.00	0.97	0.98	1.90	ppb
Tin	118-1	5.19	5.16	5.19	5.18	0.35	ppb
Titanium	47-1	4.65	4.89	4.99	4.84	3.62	ppb

Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P7
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 11:23:51	DataFile Name :	023LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.91	0.90	0.89	0.90	1.05	ppb
Vanadium	51-2	5.14	5.04	5.09	5.09	0.95	ppb
Yttrium	89-1				107		%
Yttrium	89-2				104		%
Zinc	66-2	4.49	4.62	4.33	4.48	3.22	ppb
Zirconium	90-1	1.00	1.03	1.02	1.02	1.59	ppb
Zirconium	91-1	1.04	1.07	1.03	1.05	2.18	ppb

Reviewed By:Janvi
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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	PB169128BL	Instrumnet Name :	P7
Client Sample ID :	PB169128BL	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 11:28:01	DataFile Name :	024CCBD.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.01	-0.07	0.04	-0.01		ppb
Antimony	121-1	0.01	0.02	0.02	0.02	8.90	ppb
Arsenic	75-2	-0.01	-0.02	-0.01	-0.01		ppb
Barium	135-1	-0.02	-0.02	-0.02	-0.02		ppb
Barium	137-1	-0.01	-0.02	-0.02	-0.02		ppb
Beryllium	9-1	0.00	-0.01	-0.01	0.00		ppb
Bismuth	209-1				99		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.06	0.03	-0.06	-0.03		ppb
Cadmium	106-1	-2.10	-2.59	-2.44	-2.38		ppb
Cadmium	111-1	-0.14	-0.18	-0.16	-0.16		ppb
Calcium	43-1	-74.11	-77.20	-76.85	-76.05		ppb
Calcium	44-1	-65.80	-60.21	-61.14	-62.38		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.04	-0.01	-0.06	-0.04		ppb
Cobalt	59-2	-0.01	-0.01	-0.01	-0.01		ppb
Copper	63-2	0.05	-0.01	-0.01	0.01	346.62	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				103		%
Indium	115-1				104		%
Indium	115-2				104		%
Iron	56-2	0.14	-0.06	-0.20	-0.04		ppb
Iron	57-2	0.79	-0.10	0.80	0.49	104.09	ppb
Iron	54-2	0.18	-0.95	0.55	-0.07		ppb
Krypton	83-1						cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	PB169128BL	Instrumnet Name :	P7
Client Sample ID :	PB169128BL	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 11:28:01	DataFile Name :	024CCBD.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.02	0.03	0.05	0.03	43.25	ppb
Lead	207-1	0.02	0.03	0.03	0.02	20.44	ppb
Lead	208-1	0.03	0.03	0.03	0.03	15.18	ppb
Lithium	6-1				92		%
Magnesium	24-2	-0.10	0.48	0.11	0.17	177.02	ppb
Manganese	55-2	-0.11	-0.09	-0.11	-0.10		ppb
Molybdenum	94-1	0.04	0.04	0.06	0.04	23.88	ppb
Molybdenum	95-1	0.02	0.01	0.03	0.02	38.85	ppb
Molybdenum	96-1	0.03	0.02	0.02	0.02	31.72	ppb
Molybdenum	97-1	0.04	0.01	0.05	0.03	69.51	ppb
Molybdenum	98-1	0.02	0.02	0.03	0.03	31.90	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.08	-0.08	-0.14	-0.10		ppb
Phosphorus	31-2	-137.44	-146.80	-140.53	-141.59		ppb
Potassium	39-2	10.69	14.16	13.86	12.90	14.90	ppb
Rhodium	103-1				104		%
Rhodium	103-2				103		%
Scandium	45-1				102		%
Scandium	45-2				101		%
Selenium	82-1	-0.13	0.09	0.16	0.04	380.21	ppb
Selenium	77-2	0.00	0.46	0.00	0.15	173.21	ppb
Selenium	78-2	-0.73	1.09	0.38	0.25	369.06	ppb
Silicon	28-1	-0.75	-0.15	-0.82	-0.57		ppb
Silver	107-1	0.02	0.01	0.00	0.01	74.95	ppb
Silver	109-1	0.01	0.00	0.01	0.01	16.02	ppb
Sodium	23-2	24.19	24.85	23.77	24.27	2.24	ppb
Strontium	86-1	0.00	-0.01	-0.02	-0.01		ppb
Strontium	88-1	-0.02	-0.02	-0.02	-0.02		ppb
Sulfur	34-1	-1171.65	-1119.60	-984.64	-1091.96		ppb
Terbium	159-1				101		%
Terbium	159-2				102		%
Thallium	203-1	0.01	0.00	0.01	0.01	44.01	ppb
Thallium	205-1	0.00	0.02	0.01	0.01	116.57	ppb
Tin	118-1	0.07	0.05	0.02	0.05	62.88	ppb
Titanium	47-1	0.02	-0.02	0.02	0.00	480.60	ppb

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	PB169128BL	Instrumnet Name :	P7
Client Sample ID :	PB169128BL	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 11:28:01	DataFile Name :	024CCBD.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	13.49	ppb
Vanadium	51-2	0.01	-0.01	0.00	0.00		ppb
Yttrium	89-1				106		%
Yttrium	89-2				104		%
Zinc	66-2	-0.44	-0.33	-0.50	-0.42		ppb
Zirconium	90-1	0.00	0.00	0.00	0.00	169.62	ppb
Zirconium	91-1	0.01	0.00	0.01	0.01	50.88	ppb

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On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	PB169128BS	Instrumnet Name :	P7
Client Sample ID :	PB169128BS	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 11:31:19	DataFile Name :	025LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9718.27	9769.53	9760.69	9749.50	0.28	ppb
Antimony	121-1	529.57	543.74	542.54	538.62	1.46	ppb
Arsenic	75-2	505.99	519.96	526.59	517.51	2.03	ppb
Barium	135-1	2598.55	2692.51	2738.75	2676.60	2.67	ppb
Barium	137-1	2540.05	2679.18	2661.71	2626.98	2.89	ppb
Beryllium	9-1	533.30	533.78	538.95	535.34	0.58	ppb
Bismuth	209-1				97		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	527.75	538.10	539.91	535.25	1.23	ppb
Cadmium	106-1	531.51	542.46	534.21	536.06	1.06	ppb
Cadmium	111-1	526.03	538.61	534.61	533.08	1.21	ppb
Calcium	43-1	50785.12	52261.59	51095.59	51380.77	1.52	ppb
Calcium	44-1	50029.43	50820.62	50043.16	50297.74	0.90	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	526.33	542.00	532.46	533.60	1.48	ppb
Cobalt	59-2	528.67	548.45	524.13	533.75	2.42	ppb
Copper	63-2	5379.43	5378.13	5301.92	5353.16	0.83	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				103		%
Indium	115-1				100		%
Indium	115-2				100		%
Iron	56-2	25900.79	26829.59	25979.53	26236.64	1.96	ppb
Iron	57-2	25431.97	26481.42	25634.50	25849.30	2.15	ppb
Iron	54-2	26085.35	26833.78	26687.66	26535.60	1.50	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	PB169128BS	Instrumnet Name :	P7
Client Sample ID :	PB169128BS	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 11:31:19	DataFile Name :	025LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2588.74	2722.08	2600.76	2637.19	2.80	ppb
Lead	207-1	2547.28	2677.29	2651.15	2625.24	2.62	ppb
Lead	208-1	2585.84	2683.76	2661.68	2643.76	1.94	ppb
Lithium	6-1				92		%
Magnesium	24-2	50077.35	48433.38	49320.35	49277.03	1.67	ppb
Manganese	55-2	5260.99	5358.63	5377.91	5332.51	1.18	ppb
Molybdenum	94-1	5235.41	5256.88	5339.04	5277.11	1.04	ppb
Molybdenum	95-1	5148.76	5239.04	5179.46	5189.09	0.88	ppb
Molybdenum	96-1	5117.26	5322.43	5171.72	5203.80	2.04	ppb
Molybdenum	97-1	5121.40	5332.25	5261.47	5238.38	2.05	ppb
Molybdenum	98-1	5160.18	5268.58	5154.76	5194.51	1.24	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	532.07	544.94	521.25	532.75	2.23	ppb
Phosphorus	31-2	10279.27	10710.62	10123.07	10370.99	2.93	ppb
Potassium	39-2	24486.17	25392.65	24288.78	24722.53	2.38	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				101		%
Selenium	82-1	509.63	524.69	518.86	517.72	1.47	ppb
Selenium	77-2	497.28	517.72	521.16	512.05	2.52	ppb
Selenium	78-2	511.16	529.51	532.50	524.39	2.20	ppb
Silicon	28-1	222.12	230.16	225.89	226.06	1.78	ppb
Silver	107-1	541.88	552.98	539.35	544.73	1.33	ppb
Silver	109-1	538.24	550.55	547.69	545.49	1.18	ppb
Sodium	23-2	49271.67	48317.82	48413.92	48667.80	1.08	ppb
Strontium	86-1	511.21	521.95	515.66	516.28	1.05	ppb
Strontium	88-1	524.32	530.74	519.93	524.99	1.04	ppb
Sulfur	34-1	9330.16	9945.21	9714.00	9663.12	3.21	ppb
Terbium	159-1				101		%
Terbium	159-2				101		%
Thallium	203-1	534.30	537.17	530.99	534.15	0.58	ppb
Thallium	205-1	519.44	543.89	525.53	529.62	2.40	ppb
Tin	118-1	523.43	541.63	545.38	536.82	2.19	ppb
Titanium	47-1	5196.52	5399.72	5236.10	5277.45	2.04	ppb

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	PB169128BS	Instrumnet Name :	P7
Client Sample ID :	PB169128BS	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 11:31:19	DataFile Name :	025LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	502.08	506.56	497.55	502.06	0.90	ppb
Vanadium	51-2	519.67	523.38	528.27	523.77	0.82	ppb
Yttrium	89-1				105		%
Yttrium	89-2				102		%
Zinc	66-2	5374.59	5361.45	5323.62	5353.22	0.49	ppb
Zirconium	90-1	505.83	528.39	520.57	518.26	2.21	ppb
Zirconium	91-1	513.08	528.66	518.45	520.06	1.52	ppb

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	PB169194BL	Instrumnet Name :	P7
Client Sample ID :	PB169194BL	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 11:34:01	DataFile Name :	026CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.00	0.02	0.13	0.05	137.90	ppb
Antimony	121-1	0.10	0.12	0.11	0.11	8.65	ppb
Arsenic	75-2	0.03	0.00	0.03	0.02	76.94	ppb
Barium	135-1	0.02	0.00	-0.01	0.00	391.58	ppb
Barium	137-1	0.02	0.01	0.01	0.01	51.79	ppb
Beryllium	9-1	0.00	0.00	0.01	0.00	105.91	ppb
Bismuth	209-1				99		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.06	-0.12	-0.03	-0.07		ppb
Cadmium	106-1	-3.32	-1.98	-2.03	-2.44		ppb
Cadmium	111-1	-0.21	-0.11	-0.12	-0.14		ppb
Calcium	43-1	-77.27	-75.61	-77.32	-76.74		ppb
Calcium	44-1	-69.03	-67.72	-65.76	-67.50		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.04	0.01	0.01	0.02	80.46	ppb
Cobalt	59-2	0.00	-0.01	-0.01	-0.01		ppb
Copper	63-2	0.07	0.04	0.04	0.05	27.78	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				103		%
Indium	115-1				104		%
Indium	115-2				103		%
Iron	56-2	0.35	-0.06	0.06	0.12	180.72	ppb
Iron	57-2	-0.09	3.75	-0.24	1.14	198.50	ppb
Iron	54-2	-0.37	-0.22	0.27	-0.11		ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	PB169194BL	Instrumnet Name :	P7
Client Sample ID :	PB169194BL	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 11:34:01	DataFile Name :	026CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.07	0.04	0.04	0.05	39.15	ppb
Lead	207-1	0.05	0.05	0.03	0.04	28.31	ppb
Lead	208-1	0.05	0.04	0.04	0.04	19.56	ppb
Lithium	6-1				94		%
Magnesium	24-2	0.49	0.19	0.43	0.37	43.38	ppb
Manganese	55-2	-0.06	-0.04	-0.04	-0.05		ppb
Molybdenum	94-1	0.16	0.13	0.22	0.17	24.74	ppb
Molybdenum	95-1	0.20	0.16	0.14	0.17	17.85	ppb
Molybdenum	96-1	0.21	0.17	0.17	0.18	12.81	ppb
Molybdenum	97-1	0.16	0.18	0.15	0.16	10.38	ppb
Molybdenum	98-1	0.19	0.16	0.14	0.16	15.58	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.07	-0.13	-0.12	-0.11		ppb
Phosphorus	31-2	-149.63	-139.94	-142.76	-144.11		ppb
Potassium	39-2	13.43	8.95	13.87	12.09	22.54	ppb
Rhodium	103-1				102		%
Rhodium	103-2				104		%
Scandium	45-1				102		%
Scandium	45-2				101		%
Selenium	82-1	-0.73	0.34	-0.28	-0.22		ppb
Selenium	77-2	0.00	0.46	0.00	0.15	173.21	ppb
Selenium	78-2	-1.09	0.63	1.03	0.19	590.47	ppb
Silicon	28-1	0.01	0.70	0.79	0.50	85.31	ppb
Silver	107-1	0.05	0.04	0.03	0.04	20.83	ppb
Silver	109-1	0.05	0.03	0.03	0.04	21.82	ppb
Sodium	23-2	25.20	23.01	23.13	23.78	5.16	ppb
Strontium	86-1	-0.01	-0.01	0.01	0.00		ppb
Strontium	88-1	-0.02	-0.02	-0.02	-0.02		ppb
Sulfur	34-1	-1616.85	-1159.72	-1157.17	-1311.25		ppb
Terbium	159-1				102		%
Terbium	159-2				103		%
Thallium	203-1	0.02	0.01	0.02	0.02	33.24	ppb
Thallium	205-1	0.02	0.02	0.02	0.02	19.41	ppb
Tin	118-1	0.05	0.02	0.03	0.03	50.65	ppb
Titanium	47-1	0.04	0.07	0.04	0.05	41.19	ppb

Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	PB169194BL	Instrumnet Name :	P7
Client Sample ID :	PB169194BL	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 11:34:01	DataFile Name :	026CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.00	0.01	0.01	41.68	ppb
Vanadium	51-2	0.01	0.00	0.00	0.00	170.54	ppb
Yttrium	89-1				106		%
Yttrium	89-2				103		%
Zinc	66-2	-0.11	-0.20	-0.50	-0.27		ppb
Zirconium	90-1	0.01	0.02	0.01	0.02	24.40	ppb
Zirconium	91-1	0.02	0.01	0.02	0.02	11.59	ppb

Reviewed By:Janvi
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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	PB169194BS	Instrumnet Name :	P7
Client Sample ID :	PB169194BS	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 11:37:19	DataFile Name :	027LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9457.18	9423.78	9269.47	9383.48	1.07	ppb
Antimony	121-1	499.68	526.58	516.48	514.24	2.64	ppb
Arsenic	75-2	496.75	499.58	490.74	495.69	0.91	ppb
Barium	135-1	2504.17	2573.78	2572.84	2550.26	1.57	ppb
Barium	137-1	2492.83	2609.27	2569.55	2557.22	2.31	ppb
Beryllium	9-1	498.82	504.98	507.76	503.86	0.91	ppb
Bismuth	209-1				100		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	499.38	519.19	506.43	508.33	1.97	ppb
Cadmium	106-1	493.95	517.49	516.76	509.40	2.63	ppb
Cadmium	111-1	502.10	522.79	513.91	512.93	2.02	ppb
Calcium	43-1	47556.46	49462.41	48965.58	48661.48	2.03	ppb
Calcium	44-1	46657.67	47808.33	47365.99	47277.33	1.23	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	506.90	516.46	508.30	510.56	1.01	ppb
Cobalt	59-2	524.20	507.47	513.28	514.99	1.65	ppb
Copper	63-2	5068.25	5106.84	5061.41	5078.83	0.48	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				104		%
Indium	115-1				104		%
Indium	115-2				102		%
Iron	56-2	25382.74	24754.72	25089.18	25075.55	1.25	ppb
Iron	57-2	25918.14	24782.39	24933.60	25211.38	2.45	ppb
Iron	54-2	25328.87	25159.08	24822.51	25103.49	1.03	ppb
Krypton	83-1						cps

Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	PB169194BS	Instrumnet Name :	P7
Client Sample ID :	PB169194BS	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 11:37:19	DataFile Name :	027LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2420.14	2483.80	2480.74	2461.56	1.46	ppb
Lead	207-1	2408.07	2504.75	2466.29	2459.70	1.98	ppb
Lead	208-1	2422.31	2492.47	2504.22	2473.00	1.79	ppb
Lithium	6-1				94		%
Magnesium	24-2	45973.01	46044.25	46302.76	46106.68	0.38	ppb
Manganese	55-2	5015.31	4909.05	5008.25	4977.54	1.19	ppb
Molybdenum	94-1	4793.01	4954.56	5005.94	4917.84	2.26	ppb
Molybdenum	95-1	4775.75	4928.39	4971.95	4892.03	2.11	ppb
Molybdenum	96-1	4743.99	4983.56	4981.23	4902.93	2.81	ppb
Molybdenum	97-1	4783.86	4915.34	4995.92	4898.37	2.19	ppb
Molybdenum	98-1	4776.08	4956.45	4997.79	4910.11	2.40	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	517.14	509.96	515.09	514.06	0.72	ppb
Phosphorus	31-2	9908.03	9550.46	9672.65	9710.38	1.87	ppb
Potassium	39-2	23936.99	23576.63	23631.31	23714.97	0.82	ppb
Rhodium	103-1				102		%
Rhodium	103-2				102		%
Scandium	45-1				103		%
Scandium	45-2				103		%
Selenium	82-1	481.59	499.55	503.80	494.98	2.38	ppb
Selenium	77-2	489.29	503.49	504.31	499.03	1.69	ppb
Selenium	78-2	494.91	522.22	503.78	506.97	2.75	ppb
Silicon	28-1	484.99	509.44	505.80	500.08	2.64	ppb
Silver	107-1	508.10	522.76	516.98	515.95	1.43	ppb
Silver	109-1	510.38	527.84	517.37	518.53	1.69	ppb
Sodium	23-2	46590.10	45746.89	45676.14	46004.38	1.11	ppb
Strontium	86-1	473.58	492.60	495.39	487.19	2.44	ppb
Strontium	88-1	480.29	495.11	508.19	494.53	2.82	ppb
Sulfur	34-1	8343.08	8915.54	8722.80	8660.47	3.36	ppb
Terbium	159-1				103		%
Terbium	159-2				103		%
Thallium	203-1	496.26	504.61	497.77	499.55	0.89	ppb
Thallium	205-1	488.87	504.32	517.77	503.65	2.87	ppb
Tin	118-1	500.11	526.45	512.02	512.86	2.57	ppb
Titanium	47-1	4857.44	5093.48	5022.43	4991.12	2.43	ppb

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	PB169194BS	Instrumnet Name :	P7
Client Sample ID :	PB169194BS	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 11:37:19	DataFile Name :	027LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	481.38	484.75	491.07	485.73	1.01	ppb
Vanadium	51-2	492.13	501.05	498.19	497.12	0.92	ppb
Yttrium	89-1				108		%
Yttrium	89-2				104		%
Zinc	66-2	5054.26	5044.81	5017.48	5038.85	0.38	ppb
Zirconium	90-1	489.38	492.13	495.62	492.38	0.64	ppb
Zirconium	91-1	479.77	500.03	501.96	493.92	2.49	ppb

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	Q2776-01DLX5	Instrumnet Name :	P7
Client Sample ID :	72825DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-12 11:40:01	DataFile Name :	028SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	129.85	132.04	132.03	131.31	0.96	ppb
Antimony	121-1	0.31	0.27	0.27	0.28	7.93	ppb
Arsenic	75-2	0.51	0.72	0.69	0.64	18.26	ppb
Barium	135-1	11.32	10.67	10.38	10.79	4.47	ppb
Barium	137-1	10.91	10.58	10.58	10.69	1.79	ppb
Beryllium	9-1	0.04	0.00	0.01	0.02	129.52	ppb
Bismuth	209-1				102		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.06	0.19	0.19	0.15	53.57	ppb
Cadmium	106-1	-1.88	-2.27	-2.16	-2.11		ppb
Cadmium	111-1	0.00	-0.05	-0.06	-0.04		ppb
Calcium	43-1	254.92	268.70	261.47	261.70	2.63	ppb
Calcium	44-1	309.79	300.64	296.98	302.47	2.18	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.71	0.63	0.59	0.64	9.24	ppb
Cobalt	59-2	0.49	0.53	0.54	0.52	4.87	ppb
Copper	63-2	5.25	5.15	5.20	5.20	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				104		%
Holmium	165-2				108		%
Indium	115-1				105		%
Indium	115-2				109		%
Iron	56-2	2390.05	2409.42	2398.59	2399.35	0.40	ppb
Iron	57-2	2443.57	2459.29	2424.16	2442.34	0.72	ppb
Iron	54-2	2459.94	2461.81	2435.68	2452.47	0.59	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	Q2776-01DLX5	Instrumnet Name :	P7
Client Sample ID :	72825DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-12 11:40:01	DataFile Name :	028SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	3.20	3.09	2.94	3.08	4.23	ppb
Lead	207-1	3.04	2.90	2.71	2.88	5.65	ppb
Lead	208-1	3.10	2.93	2.77	2.93	5.65	ppb
Lithium	6-1				94		%
Magnesium	24-2	130.13	126.72	126.74	127.86	1.54	ppb
Manganese	55-2	62.39	62.34	61.64	62.12	0.68	ppb
Molybdenum	94-1	0.87	0.65	0.66	0.73	16.64	ppb
Molybdenum	95-1	0.39	0.26	0.25	0.30	25.77	ppb
Molybdenum	96-1	0.51	0.36	0.33	0.40	23.60	ppb
Molybdenum	97-1	0.46	0.27	0.25	0.33	35.87	ppb
Molybdenum	98-1	0.39	0.25	0.25	0.30	27.63	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.30	1.27	1.26	1.28	1.66	ppb
Phosphorus	31-2	-117.41	-117.17	-127.47	-120.68		ppb
Potassium	39-2	537.75	532.65	530.51	533.64	0.70	ppb
Rhodium	103-1				104		%
Rhodium	103-2				109		%
Scandium	45-1				105		%
Scandium	45-2				107		%
Selenium	82-1	-0.71	0.98	1.59	0.62	191.84	ppb
Selenium	77-2	1.29	2.99	2.75	2.35	39.15	ppb
Selenium	78-2	2.41	2.67	1.16	2.08	38.88	ppb
Silicon	28-1	79.56	82.97	80.43	80.99	2.19	ppb
Silver	107-1	0.06	0.05	0.05	0.05	19.13	ppb
Silver	109-1	0.07	0.04	0.05	0.05	22.28	ppb
Sodium	23-2	2547.36	2531.55	2512.96	2530.62	0.68	ppb
Strontium	86-1	0.66	0.59	0.64	0.63	6.09	ppb
Strontium	88-1	0.68	0.63	0.61	0.64	5.93	ppb
Sulfur	34-1	-1231.71	-1368.78	-1445.07	-1348.52		ppb
Terbium	159-1				103		%
Terbium	159-2				107		%
Thallium	203-1	-0.01	-0.01	0.02	0.00	1843.47	ppb
Thallium	205-1	0.00	-0.01	0.00	0.00		ppb
Tin	118-1	0.26	0.28	0.26	0.27	4.65	ppb
Titanium	47-1	6.04	5.69	5.67	5.80	3.56	ppb

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	Q2776-01DLX5	Instrumnet Name :	P7
Client Sample ID :	72825DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-12 11:40:01	DataFile Name :	028SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.02	0.01	0.02	0.02	29.90	ppb
Vanadium	51-2	0.45	0.47	0.53	0.48	8.80	ppb
Yttrium	89-1				108		%
Yttrium	89-2				110		%
Zinc	66-2	26.81	26.20	27.00	26.67	1.58	ppb
Zirconium	90-1	0.31	0.25	0.23	0.26	15.53	ppb
Zirconium	91-1	0.27	0.24	0.23	0.25	8.60	ppb

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LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	Q2776-01DUPDLREX5	Instrumnet Name :	P7
Client Sample ID :	72825DUPDLRE	Dilution Factor :	5
Date & Time Acquired :	2025-08-12 11:43:17	DataFile Name :	029SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	121.56	123.02	121.92	122.16	0.62	ppb
Antimony	121-1	0.19	0.20	0.20	0.19	3.86	ppb
Arsenic	75-2	0.54	0.65	0.71	0.63	13.54	ppb
Barium	135-1	10.58	10.10	10.59	10.42	2.70	ppb
Barium	137-1	10.21	10.22	10.17	10.20	0.27	ppb
Beryllium	9-1	0.00	0.01	0.02	0.01	70.51	ppb
Bismuth	209-1				103		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.11	0.02	0.08	0.07	62.87	ppb
Cadmium	106-1	-1.73	-1.52	-1.66	-1.63		ppb
Cadmium	111-1	-0.02	-0.02	-0.03	-0.02		ppb
Calcium	43-1	249.17	251.91	249.10	250.06	0.64	ppb
Calcium	44-1	286.39	286.12	286.04	286.18	0.06	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.55	0.62	0.52	0.56	9.53	ppb
Cobalt	59-2	0.51	0.48	0.52	0.50	3.88	ppb
Copper	63-2	4.96	4.70	4.94	4.87	2.92	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				108		%
Indium	115-1				107		%
Indium	115-2				109		%
Iron	56-2	2352.19	2319.27	2294.23	2321.90	1.25	ppb
Iron	57-2	2336.58	2388.28	2347.80	2357.55	1.15	ppb
Iron	54-2	2356.55	2405.32	2371.30	2377.72	1.05	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	Q2776-01DUPDLREX5	Instrumnet Name :	P7
Client Sample ID :	72825DUPDLRE	Dilution Factor :	5
Date & Time Acquired :	2025-08-12 11:43:17	DataFile Name :	029SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2.80	2.94	2.93	2.89	2.71	ppb
Lead	207-1	2.81	2.74	2.73	2.76	1.52	ppb
Lead	208-1	2.73	2.80	2.73	2.76	1.45	ppb
Lithium	6-1				96		%
Magnesium	24-2	124.59	127.58	125.84	126.00	1.19	ppb
Manganese	55-2	59.85	60.54	60.05	60.15	0.59	ppb
Molybdenum	94-1	0.44	0.45	0.39	0.42	7.59	ppb
Molybdenum	95-1	0.12	0.16	0.13	0.14	17.27	ppb
Molybdenum	96-1	0.20	0.16	0.19	0.18	12.02	ppb
Molybdenum	97-1	0.16	0.13	0.15	0.15	7.95	ppb
Molybdenum	98-1	0.16	0.13	0.12	0.14	13.94	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.24	1.26	1.44	1.31	8.34	ppb
Phosphorus	31-2	-123.63	-123.47	-120.61	-122.57		ppb
Potassium	39-2	508.40	511.89	513.56	511.28	0.51	ppb
Rhodium	103-1				108		%
Rhodium	103-2				108		%
Scandium	45-1				106		%
Scandium	45-2				106		%
Selenium	82-1	3.45	3.32	3.27	3.35	2.76	ppb
Selenium	77-2	1.73	3.03	2.59	2.45	26.87	ppb
Selenium	78-2	3.18	4.70	3.45	3.78	21.56	ppb
Silicon	28-1	77.22	80.18	82.82	80.07	3.50	ppb
Silver	107-1	0.02	0.01	0.02	0.02	29.69	ppb
Silver	109-1	0.02	0.02	0.03	0.02	11.23	ppb
Sodium	23-2	2451.95	2497.02	2437.29	2462.09	1.26	ppb
Strontium	86-1	0.51	0.55	0.56	0.54	4.78	ppb
Strontium	88-1	0.62	0.60	0.61	0.61	2.28	ppb
Sulfur	34-1	-1280.28	-1269.84	-1324.02	-1291.38		ppb
Terbium	159-1				104		%
Terbium	159-2				108		%
Thallium	203-1	-0.02	-0.01	-0.01	-0.01		ppb
Thallium	205-1	-0.02	-0.02	-0.01	-0.02		ppb
Tin	118-1	0.22	0.23	0.22	0.22	2.80	ppb
Titanium	47-1	5.62	5.63	5.73	5.66	1.08	ppb

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	Q2776-01DUPDLREX5	Instrumnet Name :	P7
Client Sample ID :	72825DUPDLRE	Dilution Factor :	5
Date & Time Acquired :	2025-08-12 11:43:17	DataFile Name :	029SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.01	0.01	0.01	7.67	ppb
Vanadium	51-2	0.47	0.44	0.44	0.45	3.97	ppb
Yttrium	89-1				111		%
Yttrium	89-2				109		%
Zinc	66-2	24.75	25.23	24.72	24.90	1.15	ppb
Zirconium	90-1	0.19	0.17	0.18	0.18	4.34	ppb
Zirconium	91-1	0.17	0.18	0.17	0.17	3.78	ppb

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LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	Q2776-01LDLREX25	Instrumnet Name :	P7
Client Sample ID :	72825LDLRE	Dilution Factor :	25
Date & Time Acquired :	2025-08-12 11:46:30	DataFile Name :	030SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	27.31	27.42	24.72	26.48	5.79	ppb
Antimony	121-1	0.05	0.04	0.06	0.05	12.85	ppb
Arsenic	75-2	0.12	0.08	0.04	0.08	45.17	ppb
Barium	135-1	2.12	2.14	2.14	2.13	0.51	ppb
Barium	137-1	2.13	2.11	2.11	2.11	0.50	ppb
Beryllium	9-1	0.00	0.00	-0.01	0.00		ppb
Bismuth	209-1				99		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.03	-0.06	0.14	0.01	831.32	ppb
Cadmium	106-1	-1.90	-2.59	-3.21	-2.57		ppb
Cadmium	111-1	-0.10	-0.16	-0.22	-0.16		ppb
Calcium	43-1	-11.66	-1.89	-7.64	-7.06		ppb
Calcium	44-1	13.78	16.73	13.11	14.54	13.26	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.10	0.18	0.12	0.13	27.28	ppb
Cobalt	59-2	0.09	0.09	0.10	0.09	5.68	ppb
Copper	63-2	1.06	1.08	1.02	1.05	2.67	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				104		%
Indium	115-1				104		%
Indium	115-2				106		%
Iron	56-2	500.58	504.43	488.41	497.81	1.68	ppb
Iron	57-2	513.63	513.23	513.10	513.32	0.05	ppb
Iron	54-2	508.38	512.23	508.63	509.74	0.42	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	Q2776-01LDLREX25	Instrumnet Name :	P7
Client Sample ID :	72825LDLRE	Dilution Factor :	25
Date & Time Acquired :	2025-08-12 11:46:30	DataFile Name :	030SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.65	0.60	0.65	0.64	4.30	ppb
Lead	207-1	0.61	0.58	0.55	0.58	5.49	ppb
Lead	208-1	0.60	0.59	0.59	0.59	1.55	ppb
Lithium	6-1				93		%
Magnesium	24-2	26.54	27.37	26.76	26.89	1.61	ppb
Manganese	55-2	14.89	15.02	15.00	14.97	0.46	ppb
Molybdenum	94-1	0.10	0.12	0.10	0.11	12.01	ppb
Molybdenum	95-1	0.04	0.03	0.04	0.04	18.17	ppb
Molybdenum	96-1	0.05	0.06	0.05	0.06	12.54	ppb
Molybdenum	97-1	0.01	0.07	0.06	0.05	62.10	ppb
Molybdenum	98-1	0.05	0.05	0.05	0.05	7.51	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.44	0.20	0.22	0.29	47.31	ppb
Phosphorus	31-2	-141.75	-147.97	-136.57	-142.10		ppb
Potassium	39-2	116.18	119.84	120.87	118.96	2.07	ppb
Rhodium	103-1				103		%
Rhodium	103-2				104		%
Scandium	45-1				103		%
Scandium	45-2				102		%
Selenium	82-1	1.90	0.86	1.25	1.34	39.59	ppb
Selenium	77-2	1.13	2.24	0.91	1.42	50.13	ppb
Selenium	78-2	0.33	2.49	1.93	1.58	70.83	ppb
Silicon	28-1	13.26	14.81	13.72	13.93	5.73	ppb
Silver	107-1	0.01	0.01	0.00	0.01	49.09	ppb
Silver	109-1	0.01	0.01	0.01	0.01	13.64	ppb
Sodium	23-2	527.32	534.27	527.75	529.78	0.73	ppb
Strontium	86-1	0.08	0.13	0.15	0.12	31.47	ppb
Strontium	88-1	0.12	0.12	0.13	0.12	4.97	ppb
Sulfur	34-1	-1409.08	-1200.27	-1390.49	-1333.28		ppb
Terbium	159-1				104		%
Terbium	159-2				104		%
Thallium	203-1	-0.04	-0.04	-0.03	-0.03		ppb
Thallium	205-1	-0.04	-0.04	-0.04	-0.04		ppb
Tin	118-1	0.16	0.10	0.12	0.13	21.94	ppb
Titanium	47-1	1.10	1.17	1.08	1.12	4.45	ppb

Reviewed By:Janvi
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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	Q2776-01LDLREX25	Instrumnet Name :	P7
Client Sample ID :	72825LDLRE	Dilution Factor :	25
Date & Time Acquired :	2025-08-12 11:46:30	DataFile Name :	030SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	24.65	ppb
Vanadium	51-2	0.11	0.13	0.10	0.11	14.07	ppb
Yttrium	89-1				108		%
Yttrium	89-2				104		%
Zinc	66-2	5.38	5.36	5.55	5.43	1.93	ppb
Zirconium	90-1	0.04	0.04	0.04	0.04	6.58	ppb
Zirconium	91-1	0.05	0.05	0.02	0.04	34.41	ppb

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	Q2776-01MSDLX5	Instrumnet Name :	P7
Client Sample ID :	72825MSDL	Dilution Factor :	5
Date & Time Acquired :	2025-08-12 11:49:48	DataFile Name :	031SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1785.83	1753.62	1789.40	1776.28	1.11	ppb
Antimony	121-1	93.59	95.36	94.56	94.50	0.94	ppb
Arsenic	75-2	300.47	299.96	294.11	298.18	1.19	ppb
Barium	135-1	451.62	459.05	444.73	451.80	1.59	ppb
Barium	137-1	442.28	443.71	445.20	443.73	0.33	ppb
Beryllium	9-1	95.59	97.00	98.16	96.91	1.33	ppb
Bismuth	209-1				104		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	94.40	96.49	96.45	95.78	1.25	ppb
Cadmium	106-1	92.05	98.58	92.78	94.47	3.79	ppb
Cadmium	111-1	94.80	99.83	95.86	96.83	2.74	ppb
Calcium	43-1	9049.40	9365.95	9118.66	9178.00	1.81	ppb
Calcium	44-1	8921.09	9102.29	9050.20	9024.53	1.03	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	92.20	93.20	92.06	92.48	0.68	ppb
Cobalt	59-2	97.80	97.95	97.27	97.68	0.37	ppb
Copper	63-2	914.54	915.21	919.04	916.26	0.26	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				108		%
Indium	115-1				109		%
Indium	115-2				107		%
Iron	56-2	6916.64	6820.67	6972.26	6903.19	1.11	ppb
Iron	57-2	7063.52	7031.53	7038.37	7044.47	0.24	ppb
Iron	54-2	7104.79	7055.81	7092.73	7084.45	0.36	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	Q2776-01MSDLX5	Instrumnet Name :	P7
Client Sample ID :	72825MSDL	Dilution Factor :	5
Date & Time Acquired :	2025-08-12 11:49:48	DataFile Name :	031SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	460.29	466.39	461.31	462.66	0.71	ppb
Lead	207-1	462.23	483.84	463.09	469.72	2.60	ppb
Lead	208-1	464.62	473.61	466.43	468.22	1.02	ppb
Lithium	6-1				97		%
Magnesium	24-2	9414.89	9266.12	9178.89	9286.63	1.28	ppb
Manganese	55-2	950.63	946.41	968.04	955.03	1.20	ppb
Molybdenum	94-1	437.95	446.70	434.86	439.84	1.40	ppb
Molybdenum	95-1	332.33	337.92	332.20	334.15	0.98	ppb
Molybdenum	96-1	339.15	347.00	339.83	341.99	1.27	ppb
Molybdenum	97-1	342.71	346.18	333.96	340.95	1.85	ppb
Molybdenum	98-1	338.62	345.95	339.76	341.44	1.16	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	98.08	97.96	97.01	97.68	0.60	ppb
Phosphorus	31-2	-125.16	-120.82	-130.65	-125.54		ppb
Potassium	39-2	4614.53	4608.40	4587.25	4603.39	0.31	ppb
Rhodium	103-1				107		%
Rhodium	103-2				107		%
Scandium	45-1				106		%
Scandium	45-2				107		%
Selenium	82-1	73.45	76.49	73.29	74.41	2.42	ppb
Selenium	77-2	79.92	83.40	75.41	79.58	5.03	ppb
Selenium	78-2	79.99	72.72	76.45	76.38	4.76	ppb
Silicon	28-1	73.70	80.66	83.01	79.12	6.12	ppb
Silver	107-1	15.74	16.30	15.70	15.92	2.11	ppb
Silver	109-1	15.28	15.84	15.83	15.65	2.04	ppb
Sodium	23-2	11382.44	11089.51	11020.16	11164.04	1.72	ppb
Strontium	86-1	105.99	109.18	103.56	106.24	2.65	ppb
Strontium	88-1	107.54	108.22	105.17	106.98	1.50	ppb
Sulfur	34-1	-1246.11	-1111.64	-1009.96	-1122.57		ppb
Terbium	159-1				106		%
Terbium	159-2				107		%
Thallium	203-1	86.07	84.94	88.97	86.66	2.40	ppb
Thallium	205-1	84.73	83.78	86.72	85.08	1.77	ppb
Tin	118-1	85.96	87.32	89.13	87.47	1.82	ppb
Titanium	47-1	6.20	6.20	6.46	6.29	2.36	ppb

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	Q2776-01MSDLX5	Instrumnet Name :	P7
Client Sample ID :	72825MSDL	Dilution Factor :	5
Date & Time Acquired :	2025-08-12 11:49:48	DataFile Name :	031SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	77.43	77.85	80.77	78.68	2.31	ppb
Vanadium	51-2	96.52	95.44	96.52	96.16	0.65	ppb
Yttrium	89-1				112		%
Yttrium	89-2				107		%
Zinc	66-2	938.35	933.76	936.49	936.20	0.25	ppb
Zirconium	90-1	89.48	91.11	89.31	89.97	1.10	ppb
Zirconium	91-1	90.09	90.81	89.29	90.07	0.85	ppb

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	CCV02	Instrumnet Name :	P7
Client Sample ID :	CCV02	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 12:01:37	DataFile Name :	033CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	47950.84	47244.91	47544.99	47580.24	0.74	ppb
Antimony	121-1	492.64	492.29	505.10	496.68	1.47	ppb
Arsenic	75-2	482.98	480.53	494.39	485.97	1.52	ppb
Barium	135-1	2498.02	2517.05	2547.06	2520.71	0.98	ppb
Barium	137-1	2483.65	2483.03	2496.48	2487.72	0.31	ppb
Beryllium	9-1	507.44	519.07	523.41	516.64	1.60	ppb
Bismuth	209-1				96		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	481.25	482.65	487.72	483.87	0.70	ppb
Cadmium	106-1	479.49	488.91	491.71	486.70	1.31	ppb
Cadmium	111-1	479.12	485.98	489.48	484.86	1.09	ppb
Calcium	43-1	231704.15	235748.79	235462.04	234304.99	0.96	ppb
Calcium	44-1	237488.85	236688.88	241459.38	238545.70	1.07	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	489.00	500.19	507.87	499.02	1.90	ppb
Cobalt	59-2	493.32	502.93	497.56	497.94	0.97	ppb
Copper	63-2	4850.66	4852.45	4866.89	4856.67	0.18	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				104		%
Holmium	165-2				108		%
Indium	115-1				102		%
Indium	115-2				102		%
Iron	56-2	123144.30	123059.44	123442.87	123215.54	0.16	ppb
Iron	57-2	121522.69	122665.84	123300.25	122496.26	0.74	ppb
Iron	54-2	120892.28	122425.19	122676.11	121997.86	0.79	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	CCV02	Instrumnet Name :	P7
Client Sample ID :	CCV02	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 12:01:37	DataFile Name :	033CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2502.68	2667.54	2588.22	2586.15	3.19	ppb
Lead	207-1	2446.22	2585.51	2504.68	2512.14	2.78	ppb
Lead	208-1	2484.65	2589.48	2533.34	2535.83	2.07	ppb
Lithium	6-1				97		%
Magnesium	24-2	235589.89	235486.98	236036.45	235704.44	0.12	ppb
Manganese	55-2	4975.09	5039.90	5039.44	5018.14	0.74	ppb
Molybdenum	94-1	4879.58	5223.96	4999.34	5034.29	3.47	ppb
Molybdenum	95-1	4884.62	5110.40	5111.11	5035.37	2.59	ppb
Molybdenum	96-1	4885.59	5057.54	5016.53	4986.55	1.80	ppb
Molybdenum	97-1	4968.16	5001.17	5129.49	5032.94	1.69	ppb
Molybdenum	98-1	4901.05	5052.04	5076.48	5009.86	1.90	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	485.65	484.02	479.69	483.12	0.64	ppb
Phosphorus	31-2	9966.87	9996.74	9904.63	9956.08	0.47	ppb
Potassium	39-2	117544.16	119502.75	118686.72	118577.88	0.83	ppb
Rhodium	103-1				101		%
Rhodium	103-2				101		%
Scandium	45-1				105		%
Scandium	45-2				106		%
Selenium	82-1	456.50	471.50	472.76	466.92	1.94	ppb
Selenium	77-2	472.29	476.86	466.98	472.04	1.05	ppb
Selenium	78-2	467.92	480.20	481.84	476.65	1.60	ppb
Silicon	28-1	491.63	510.14	510.23	504.00	2.13	ppb
Silver	107-1	493.61	503.71	496.79	498.04	1.04	ppb
Silver	109-1	495.76	493.32	492.60	493.89	0.33	ppb
Sodium	23-2	233664.50	232736.79	238143.49	234848.26	1.23	ppb
Strontium	86-1	491.10	506.72	507.27	501.70	1.83	ppb
Strontium	88-1	495.81	510.86	508.72	505.13	1.61	ppb
Sulfur	34-1	8670.52	8798.62	8957.82	8808.98	1.63	ppb
Terbium	159-1				105		%
Terbium	159-2				107		%
Thallium	203-1	506.22	536.51	523.09	521.94	2.91	ppb
Thallium	205-1	513.14	529.59	520.68	521.14	1.58	ppb
Tin	118-1	502.08	506.50	504.02	504.20	0.44	ppb
Titanium	47-1	4999.99	5052.23	5056.99	5036.40	0.63	ppb

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	CCV02	Instrumnet Name :	P7
Client Sample ID :	CCV02	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 12:01:37	DataFile Name :	033CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	500.54	522.68	515.02	512.75	2.19	ppb
Vanadium	51-2	501.56	505.84	499.01	502.14	0.69	ppb
Yttrium	89-1				108		%
Yttrium	89-2				106		%
Zinc	66-2	4748.72	4808.97	4803.10	4786.93	0.69	ppb
Zirconium	90-1	497.62	514.70	507.29	506.54	1.69	ppb
Zirconium	91-1	492.54	512.58	515.36	506.83	2.46	ppb

Reviewed By:Janvi
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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	CCB02	Instrumnet Name :	P7
Client Sample ID :	CCB02	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 12:05:33	DataFile Name :	034CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.31	0.25	0.47	0.34	33.10	ppb
Antimony	121-1	0.08	0.09	0.08	0.08	3.85	ppb
Arsenic	75-2	0.00	-0.01	0.02	0.00	858.22	ppb
Barium	135-1	-0.01	0.00	0.00	0.00		ppb
Barium	137-1	0.00	0.02	0.01	0.01	72.20	ppb
Beryllium	9-1	0.01	0.01	0.01	0.01	22.64	ppb
Bismuth	209-1				98		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.06	0.12	-0.06	0.00		ppb
Cadmium	106-1	-2.41	-3.04	-4.28	-3.24		ppb
Cadmium	111-1	-0.13	-0.18	-0.29	-0.20		ppb
Calcium	43-1	-77.53	-75.76	-78.11	-77.13		ppb
Calcium	44-1	-62.01	-60.55	-59.07	-60.55		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.03	-0.03	0.00	0.00		ppb
Cobalt	59-2	-0.01	-0.02	-0.01	-0.01		ppb
Copper	63-2	0.18	0.16	0.22	0.19	14.62	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				104		%
Indium	115-1				104		%
Indium	115-2				103		%
Iron	56-2	0.62	0.78	0.75	0.72	12.36	ppb
Iron	57-2	1.11	1.27	-0.19	0.73	110.00	ppb
Iron	54-2	0.73	0.97	1.11	0.93	20.73	ppb
Krypton	83-1						cps

Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	CCB02	Instrumnet Name :	P7
Client Sample ID :	CCB02	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 12:05:33	DataFile Name :	034CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.03	0.06	0.05	0.04	36.68	ppb
Lead	207-1	0.01	0.02	0.02	0.02	25.04	ppb
Lead	208-1	0.03	0.03	0.03	0.03	6.51	ppb
Lithium	6-1				95		%
Magnesium	24-2	1.71	1.98	2.15	1.95	11.21	ppb
Manganese	55-2	-0.08	-0.04	-0.04	-0.05		ppb
Molybdenum	94-1	0.13	0.07	0.11	0.10	28.94	ppb
Molybdenum	95-1	0.10	0.10	0.08	0.09	9.42	ppb
Molybdenum	96-1	0.10	0.12	0.12	0.11	10.19	ppb
Molybdenum	97-1	0.11	0.07	0.08	0.09	20.45	ppb
Molybdenum	98-1	0.11	0.13	0.12	0.12	4.60	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.07	-0.05	-0.16	-0.09		ppb
Phosphorus	31-2	-149.12	-146.41	-146.99	-147.51		ppb
Potassium	39-2	15.17	19.46	20.45	18.36	15.29	ppb
Rhodium	103-1				102		%
Rhodium	103-2				103		%
Scandium	45-1				102		%
Scandium	45-2				102		%
Selenium	82-1	0.54	0.66	-0.21	0.33	143.87	ppb
Selenium	77-2	0.00	0.00	0.46	0.15	173.21	ppb
Selenium	78-2	0.37	1.11	-1.15	0.11	1037.63	ppb
Silicon	28-1	-0.51	0.26	1.42	0.39	249.58	ppb
Silver	107-1	0.03	0.03	0.03	0.03	6.54	ppb
Silver	109-1	0.02	0.02	0.02	0.02	10.66	ppb
Sodium	23-2	49.86	49.67	46.63	48.72	3.73	ppb
Strontium	86-1	-0.02	0.03	-0.01	0.00	6026.66	ppb
Strontium	88-1	-0.02	-0.02	-0.02	-0.02		ppb
Sulfur	34-1	-1472.31	-1253.19	-1059.26	-1261.59		ppb
Terbium	159-1				101		%
Terbium	159-2				104		%
Thallium	203-1	0.00	-0.01	-0.02	-0.01		ppb
Thallium	205-1	-0.01	0.00	-0.01	-0.01		ppb
Tin	118-1	0.03	0.00	0.02	0.02	112.89	ppb
Titanium	47-1	0.02	0.06	0.02	0.03	67.09	ppb

Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	CCB02	Instrumnet Name :	P7
Client Sample ID :	CCB02	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 12:05:33	DataFile Name :	034CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	5.88	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	93.44	ppb
Yttrium	89-1				105		%
Yttrium	89-2				103		%
Zinc	66-2	-0.16	-0.36	-0.40	-0.31		ppb
Zirconium	90-1	0.02	0.01	0.01	0.01	60.42	ppb
Zirconium	91-1	0.01	0.02	0.02	0.02	21.85	ppb

Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	Q2776-01MSDDLX5	Instrumnet Name :	P7
Client Sample ID :	72825MSDDL	Dilution Factor :	5
Date & Time Acquired :	2025-08-12 12:09:24	DataFile Name :	035SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1756.96	1800.00	1738.28	1765.08	1.79	ppb
Antimony	121-1	97.25	94.61	93.88	95.25	1.86	ppb
Arsenic	75-2	62.43	64.62	63.27	63.44	1.74	ppb
Barium	135-1	456.30	446.46	449.63	450.79	1.11	ppb
Barium	137-1	446.62	448.00	438.93	444.52	1.10	ppb
Beryllium	9-1	94.87	99.89	95.72	96.82	2.77	ppb
Bismuth	209-1				105		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	93.32	92.86	93.22	93.13	0.26	ppb
Cadmium	106-1	93.90	95.29	92.07	93.75	1.72	ppb
Cadmium	111-1	98.41	95.75	97.29	97.15	1.38	ppb
Calcium	43-1	9160.04	9192.25	8882.66	9078.32	1.87	ppb
Calcium	44-1	8881.28	8968.23	9027.24	8958.92	0.82	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	93.28	92.70	92.68	92.89	0.37	ppb
Cobalt	59-2	97.40	97.12	97.37	97.30	0.16	ppb
Copper	63-2	897.82	904.07	906.97	902.95	0.52	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				111		%
Indium	115-1				107		%
Indium	115-2				109		%
Iron	56-2	6801.68	6846.47	6851.24	6833.13	0.40	ppb
Iron	57-2	7009.66	7046.57	7000.65	7018.96	0.35	ppb
Iron	54-2	7008.80	7175.95	7041.69	7075.48	1.25	ppb
Krypton	83-1						cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	Q2776-01MSDDLX5	Instrumnet Name :	P7
Client Sample ID :	72825MSDDL	Dilution Factor :	5
Date & Time Acquired :	2025-08-12 12:09:24	DataFile Name :	035SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	469.98	462.86	457.41	463.41	1.36	ppb
Lead	207-1	470.94	467.53	464.62	467.70	0.68	ppb
Lead	208-1	470.23	471.95	463.90	468.69	0.90	ppb
Lithium	6-1				100		%
Magnesium	24-2	9354.26	9467.32	9195.06	9338.88	1.46	ppb
Manganese	55-2	930.47	947.56	929.02	935.68	1.10	ppb
Molybdenum	94-1	437.57	445.01	437.83	440.14	0.96	ppb
Molybdenum	95-1	330.87	340.45	329.96	333.76	1.74	ppb
Molybdenum	96-1	349.25	350.51	337.17	345.64	2.13	ppb
Molybdenum	97-1	340.98	340.97	338.10	340.02	0.49	ppb
Molybdenum	98-1	340.16	344.26	341.24	341.89	0.62	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	96.00	96.83	96.25	96.36	0.44	ppb
Phosphorus	31-2	-131.02	-130.34	-124.65	-128.67		ppb
Potassium	39-2	4680.82	4564.29	4534.11	4593.07	1.69	ppb
Rhodium	103-1				107		%
Rhodium	103-2				109		%
Scandium	45-1				106		%
Scandium	45-2				107		%
Selenium	82-1	73.83	75.90	73.03	74.25	2.00	ppb
Selenium	77-2	79.26	69.86	79.72	76.28	7.29	ppb
Selenium	78-2	75.14	76.24	77.85	76.41	1.78	ppb
Silicon	28-1	72.69	80.46	76.88	76.67	5.07	ppb
Silver	107-1	16.11	15.74	15.88	15.91	1.18	ppb
Silver	109-1	15.82	15.59	15.45	15.62	1.17	ppb
Sodium	23-2	11115.05	11400.31	11006.35	11173.90	1.82	ppb
Strontium	86-1	107.19	106.66	103.78	105.88	1.73	ppb
Strontium	88-1	110.95	107.90	108.50	109.11	1.48	ppb
Sulfur	34-1	-1018.54	-942.03	-1086.62	-1015.73		ppb
Terbium	159-1				105		%
Terbium	159-2				110		%
Thallium	203-1	85.27	88.22	85.41	86.30	1.93	ppb
Thallium	205-1	87.14	86.62	82.05	85.27	3.28	ppb
Tin	118-1	87.27	87.26	86.13	86.89	0.76	ppb
Titanium	47-1	6.25	6.39	5.98	6.21	3.35	ppb

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	Q2776-01MSDDLX5	Instrumnet Name :	P7
Client Sample ID :	72825MSDDL	Dilution Factor :	5
Date & Time Acquired :	2025-08-12 12:09:24	DataFile Name :	035SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	80.77	81.42	77.11	79.77	2.92	ppb
Vanadium	51-2	95.42	96.19	94.59	95.40	0.84	ppb
Yttrium	89-1				110		%
Yttrium	89-2				109		%
Zinc	66-2	937.78	931.96	937.79	935.84	0.36	ppb
Zirconium	90-1	89.49	92.33	89.64	90.49	1.77	ppb
Zirconium	91-1	92.12	92.42	89.89	91.47	1.51	ppb

Reviewed By:Janvi
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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	Q2776-01ADLX5	Instrumnet Name :	P7
Client Sample ID :	72825ADL	Dilution Factor :	5
Date & Time Acquired :	2025-08-12 12:12:27	DataFile Name :	036SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1789.45	1827.06	1774.26	1796.92	1.51	ppb
Antimony	121-1	92.87	92.36	91.50	92.24	0.75	ppb
Arsenic	75-2	202.96	210.79	210.13	207.96	2.09	ppb
Barium	135-1	444.95	436.72	434.28	438.65	1.28	ppb
Barium	137-1	436.60	430.68	428.91	432.06	0.93	ppb
Beryllium	9-1	94.15	97.75	96.83	96.24	1.94	ppb
Bismuth	209-1				103		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	93.43	93.05	87.84	91.44	3.42	ppb
Cadmium	106-1	91.16	90.54	92.08	91.26	0.85	ppb
Cadmium	111-1	96.57	92.29	92.49	93.78	2.58	ppb
Calcium	43-1	9091.44	9093.08	8895.87	9026.80	1.26	ppb
Calcium	44-1	8935.51	8873.32	9014.74	8941.19	0.79	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	93.85	93.67	92.62	93.38	0.71	ppb
Cobalt	59-2	97.15	96.62	97.32	97.03	0.37	ppb
Copper	63-2	909.75	928.89	904.63	914.42	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				108		%
Holmium	165-2				110		%
Indium	115-1				107		%
Indium	115-2				109		%
Iron	56-2	6895.16	7033.15	6783.32	6903.87	1.81	ppb
Iron	57-2	7102.06	7109.55	7058.48	7090.03	0.39	ppb
Iron	54-2	7104.95	7098.35	7058.58	7087.29	0.35	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	Q2776-01ADLX5	Instrumnet Name :	P7
Client Sample ID :	72825ADL	Dilution Factor :	5
Date & Time Acquired :	2025-08-12 12:12:27	DataFile Name :	036SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	472.70	467.44	473.77	471.30	0.72	ppb
Lead	207-1	483.22	458.23	471.27	470.91	2.65	ppb
Lead	208-1	478.54	468.04	476.52	474.37	1.17	ppb
Lithium	6-1				102		%
Magnesium	24-2	9120.29	9171.32	9528.27	9273.29	2.40	ppb
Manganese	55-2	922.87	966.20	932.43	940.50	2.42	ppb
Molybdenum	94-1	439.34	438.34	442.36	440.02	0.48	ppb
Molybdenum	95-1	331.62	335.44	337.83	334.96	0.93	ppb
Molybdenum	96-1	340.92	341.18	348.48	343.52	1.25	ppb
Molybdenum	97-1	339.64	335.33	340.70	338.56	0.84	ppb
Molybdenum	98-1	338.76	339.87	345.38	341.34	1.04	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	97.15	97.84	97.21	97.40	0.39	ppb
Phosphorus	31-2	-127.26	-116.53	-127.78	-123.86		ppb
Potassium	39-2	4629.47	4640.99	4611.43	4627.30	0.32	ppb
Rhodium	103-1				107		%
Rhodium	103-2				109		%
Scandium	45-1				108		%
Scandium	45-2				107		%
Selenium	82-1	75.85	77.98	79.61	77.81	2.42	ppb
Selenium	77-2	73.83	74.69	83.21	77.24	6.71	ppb
Selenium	78-2	77.58	78.99	80.30	78.96	1.72	ppb
Silicon	28-1	72.89	167.46	79.90	106.75	49.36	ppb
Silver	107-1	15.46	15.28	15.30	15.35	0.63	ppb
Silver	109-1	15.47	15.45	15.10	15.34	1.35	ppb
Sodium	23-2	11083.59	11172.08	11215.67	11157.11	0.60	ppb
Strontium	86-1	106.02	104.17	105.96	105.39	1.00	ppb
Strontium	88-1	108.64	107.18	107.90	107.91	0.68	ppb
Sulfur	34-1	-1097.46	-1116.55	-1080.83	-1098.28		ppb
Terbium	159-1				108		%
Terbium	159-2				109		%
Thallium	203-1	87.67	89.04	90.00	88.90	1.32	ppb
Thallium	205-1	86.12	86.69	87.19	86.67	0.62	ppb
Tin	118-1	85.01	85.34	84.53	84.96	0.48	ppb
Titanium	47-1	6.12	6.15	6.09	6.12	0.51	ppb

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	Q2776-01ADLX5	Instrumnet Name :	P7
Client Sample ID :	72825ADL	Dilution Factor :	5
Date & Time Acquired :	2025-08-12 12:12:27	DataFile Name :	036SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	79.53	81.77	81.73	81.01	1.59	ppb
Vanadium	51-2	96.21	97.81	96.21	96.74	0.95	ppb
Yttrium	89-1				110		%
Yttrium	89-2				109		%
Zinc	66-2	937.77	954.94	945.55	946.08	0.91	ppb
Zirconium	90-1	89.93	90.91	92.36	91.06	1.34	ppb
Zirconium	91-1	91.23	90.96	92.09	91.43	0.65	ppb

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	CCV03	Instrumnet Name :	P7
Client Sample ID :	CCV03	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 12:19:08	DataFile Name :	037CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	48584.97	47553.03	49893.44	48677.15	2.41	ppb
Antimony	121-1	473.28	500.28	518.50	497.35	4.57	ppb
Arsenic	75-2	494.46	489.18	490.87	491.51	0.55	ppb
Barium	135-1	2388.62	2561.90	2650.48	2533.67	5.26	ppb
Barium	137-1	2372.14	2497.25	2613.52	2494.30	4.84	ppb
Beryllium	9-1	499.01	512.51	529.60	513.71	2.98	ppb
Bismuth	209-1				98		%
Bismuth	209-2				95		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	453.55	480.07	517.08	483.57	6.60	ppb
Cadmium	106-1	461.72	476.01	500.04	479.26	4.04	ppb
Cadmium	111-1	456.43	477.39	501.82	478.55	4.75	ppb
Calcium	43-1	223356.48	234335.37	242349.13	233346.99	4.09	ppb
Calcium	44-1	227878.11	237047.90	245978.54	236968.18	3.82	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	501.92	496.34	514.86	504.37	1.88	ppb
Cobalt	59-2	505.88	486.82	509.64	500.78	2.44	ppb
Copper	63-2	4898.29	4827.55	4882.48	4869.44	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				106		%
Holmium	165-2				106		%
Indium	115-1				103		%
Indium	115-2				101		%
Iron	56-2	125544.45	123573.11	124799.70	124639.08	0.80	ppb
Iron	57-2	124486.00	120925.63	124172.03	123194.55	1.60	ppb
Iron	54-2	125481.57	120649.53	125807.95	123979.68	2.33	ppb
Krypton	83-1						cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	CCV03	Instrumnet Name :	P7
Client Sample ID :	CCV03	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 12:19:08	DataFile Name :	037CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2414.49	2573.45	2570.79	2519.58	3.61	ppb
Lead	207-1	2385.18	2587.12	2565.44	2512.58	4.41	ppb
Lead	208-1	2389.50	2599.32	2570.95	2519.92	4.52	ppb
Lithium	6-1				99		%
Magnesium	24-2	244393.22	236513.73	241370.22	240759.06	1.65	ppb
Manganese	55-2	5172.88	4884.37	5071.93	5043.06	2.90	ppb
Molybdenum	94-1	4880.98	4915.15	5052.92	4949.69	1.84	ppb
Molybdenum	95-1	4791.24	4938.93	5041.75	4923.97	2.56	ppb
Molybdenum	96-1	4833.85	4996.33	5113.55	4981.24	2.82	ppb
Molybdenum	97-1	4869.58	4948.95	5239.96	5019.49	3.89	ppb
Molybdenum	98-1	4776.89	4918.40	5085.26	4926.85	3.13	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	493.20	478.73	494.49	488.81	1.79	ppb
Phosphorus	31-2	10218.00	10050.54	10173.47	10147.33	0.85	ppb
Potassium	39-2	120867.10	118430.26	119787.68	119695.01	1.02	ppb
Rhodium	103-1				101		%
Rhodium	103-2				98		%
Scandium	45-1				107		%
Scandium	45-2				104		%
Selenium	82-1	447.14	464.98	481.79	464.64	3.73	ppb
Selenium	77-2	489.86	480.91	475.97	482.24	1.46	ppb
Selenium	78-2	481.19	474.97	475.63	477.26	0.72	ppb
Silicon	28-1	469.38	500.62	510.51	493.50	4.35	ppb
Silver	107-1	464.90	492.68	508.86	488.81	4.55	ppb
Silver	109-1	475.08	492.63	522.66	496.79	4.84	ppb
Sodium	23-2	237609.10	227510.94	236030.81	233716.95	2.32	ppb
Strontium	86-1	478.22	492.33	513.06	494.54	3.54	ppb
Strontium	88-1	485.11	504.13	513.38	500.87	2.88	ppb
Sulfur	34-1	8053.42	8775.43	9138.38	8655.75	6.38	ppb
Terbium	159-1				106		%
Terbium	159-2				104		%
Thallium	203-1	479.76	531.32	520.85	510.64	5.34	ppb
Thallium	205-1	489.09	517.26	527.72	511.35	3.91	ppb
Tin	118-1	470.59	493.28	524.34	496.07	5.44	ppb
Titanium	47-1	4835.68	5080.47	5171.19	5029.11	3.45	ppb

Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	CCV03	Instrumnet Name :	P7
Client Sample ID :	CCV03	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 12:19:08	DataFile Name :	037CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	483.70	514.63	507.56	501.96	3.23	ppb
Vanadium	51-2	523.48	507.57	518.77	516.60	1.58	ppb
Yttrium	89-1				109		%
Yttrium	89-2				104		%
Zinc	66-2	4899.27	4782.82	4893.93	4858.67	1.35	ppb
Zirconium	90-1	477.84	507.99	522.42	502.75	4.52	ppb
Zirconium	91-1	484.77	501.66	516.13	500.85	3.13	ppb

Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	CCB03	Instrumnet Name :	P7
Client Sample ID :	CCB03	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 12:23:18	DataFile Name :	038CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.05	0.17	0.59	0.27	105.09	ppb
Antimony	121-1	0.05	0.06	0.07	0.06	13.02	ppb
Arsenic	75-2	-0.01	0.03	-0.01	0.00	540.90	ppb
Barium	135-1	0.05	0.03	0.04	0.04	35.68	ppb
Barium	137-1	0.03	0.03	0.03	0.03	7.74	ppb
Beryllium	9-1	0.00	0.01	0.01	0.01	40.32	ppb
Bismuth	209-1				100		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.05	0.03	0.00	0.02	111.33	ppb
Cadmium	106-1	-2.92	-3.54	-3.84	-3.43		ppb
Cadmium	111-1	-0.19	-0.23	-0.23	-0.22		ppb
Calcium	43-1	-75.11	-72.49	-72.58	-73.39		ppb
Calcium	44-1	-60.25	-57.10	-60.68	-59.34		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.02	0.00	0.00	0.01	182.97	ppb
Cobalt	59-2	-0.01	-0.01	-0.02	-0.02		ppb
Copper	63-2	0.09	0.09	0.04	0.07	42.49	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				103		%
Holmium	165-2				104		%
Indium	115-1				103		%
Indium	115-2				104		%
Iron	56-2	0.35	0.59	0.53	0.49	25.53	ppb
Iron	57-2	-0.76	1.58	1.67	0.83	166.72	ppb
Iron	54-2	0.51	-0.83	0.56	0.08	1013.46	ppb
Krypton	83-1						cps

Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	CCB03	Instrumnet Name :	P7
Client Sample ID :	CCB03	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 12:23:18	DataFile Name :	038CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.02	0.02	0.02	0.02	24.02	ppb
Lead	207-1	0.03	0.01	0.00	0.01	109.91	ppb
Lead	208-1	0.02	0.01	0.02	0.02	31.76	ppb
Lithium	6-1				96		%
Magnesium	24-2	1.54	1.28	1.52	1.45	9.78	ppb
Manganese	55-2	-0.06	-0.08	-0.03	-0.06		ppb
Molybdenum	94-1	0.08	0.10	0.06	0.08	24.55	ppb
Molybdenum	95-1	0.09	0.07	0.07	0.08	18.23	ppb
Molybdenum	96-1	0.09	0.08	0.08	0.08	9.89	ppb
Molybdenum	97-1	0.07	0.10	0.10	0.09	17.36	ppb
Molybdenum	98-1	0.08	0.10	0.08	0.09	11.15	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.12	-0.08	-0.15	-0.12		ppb
Phosphorus	31-2	-154.47	-142.95	-150.28	-149.23		ppb
Potassium	39-2	16.54	13.16	21.77	17.16	25.29	ppb
Rhodium	103-1				103		%
Rhodium	103-2				102		%
Scandium	45-1				103		%
Scandium	45-2				102		%
Selenium	82-1	-0.58	-0.34	0.17	-0.25		ppb
Selenium	77-2	0.23	0.46	0.23	0.31	42.63	ppb
Selenium	78-2	-0.76	1.08	0.98	0.43	238.68	ppb
Silicon	28-1	-1.21	1.63	0.57	0.33	432.07	ppb
Silver	107-1	0.02	0.03	0.02	0.02	16.18	ppb
Silver	109-1	0.03	0.01	0.01	0.02	42.72	ppb
Sodium	23-2	47.02	45.63	48.11	46.92	2.66	ppb
Strontium	86-1	-0.02	-0.03	-0.02	-0.03		ppb
Strontium	88-1	-0.01	-0.01	-0.02	-0.01		ppb
Sulfur	34-1	-1470.04	-1029.69	-1053.21	-1184.32		ppb
Terbium	159-1				103		%
Terbium	159-2				104		%
Thallium	203-1	-0.02	-0.01	-0.02	-0.02		ppb
Thallium	205-1	-0.02	-0.02	-0.02	-0.02		ppb
Tin	118-1	0.02	0.03	0.02	0.02	16.76	ppb
Titanium	47-1	0.00	-0.03	0.01	0.00		ppb

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	CCB03	Instrumnet Name :	P7
Client Sample ID :	CCB03	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 12:23:18	DataFile Name :	038CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	35.32	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	369.82	ppb
Yttrium	89-1				107		%
Yttrium	89-2				102		%
Zinc	66-2	-0.33	-0.32	-0.34	-0.33		ppb
Zirconium	90-1	0.01	0.01	0.00	0.01	36.60	ppb
Zirconium	91-1	0.02	0.01	0.01	0.01	60.25	ppb

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	Q2776-01DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	72825DUPDL	Dilution Factor :	5
Date & Time Acquired :	2025-08-12 12:33:29	DataFile Name :	039SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	131.88	130.85	128.30	130.34	1.41	ppb
Antimony	121-1	0.16	0.17	0.18	0.17	4.41	ppb
Arsenic	75-2	0.57	0.57	0.56	0.57	1.01	ppb
Barium	135-1	10.05	10.22	9.93	10.06	1.44	ppb
Barium	137-1	9.94	10.03	9.90	9.96	0.63	ppb
Beryllium	9-1	0.02	0.00	0.01	0.01	72.62	ppb
Bismuth	209-1				102		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.05	0.22	0.24	0.17	62.97	ppb
Cadmium	106-1	-3.67	-2.31	-2.84	-2.94		ppb
Cadmium	111-1	-0.17	-0.09	-0.13	-0.13		ppb
Calcium	43-1	233.76	251.64	234.51	239.97	4.21	ppb
Calcium	44-1	274.30	281.43	286.63	280.79	2.20	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.56	0.54	0.56	0.56	1.99	ppb
Cobalt	59-2	0.50	0.51	0.45	0.48	6.23	ppb
Copper	63-2	4.82	4.90	4.93	4.89	1.14	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				109		%
Indium	115-1				108		%
Indium	115-2				109		%
Iron	56-2	2372.71	2380.00	2374.28	2375.66	0.16	ppb
Iron	57-2	2428.01	2430.96	2397.00	2418.66	0.78	ppb
Iron	54-2	2436.46	2440.14	2405.22	2427.28	0.79	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	Q2776-01DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	72825DUPDL	Dilution Factor :	5
Date & Time Acquired :	2025-08-12 12:33:29	DataFile Name :	039SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2.80	3.05	2.82	2.89	4.83	ppb
Lead	207-1	2.69	2.77	2.72	2.73	1.45	ppb
Lead	208-1	2.70	2.90	2.79	2.80	3.60	ppb
Lithium	6-1				97		%
Magnesium	24-2	131.73	133.07	131.45	132.08	0.66	ppb
Manganese	55-2	61.39	61.97	60.84	61.40	0.92	ppb
Molybdenum	94-1	0.39	0.38	0.44	0.40	8.15	ppb
Molybdenum	95-1	0.11	0.10	0.07	0.09	18.47	ppb
Molybdenum	96-1	0.14	0.19	0.14	0.16	17.33	ppb
Molybdenum	97-1	0.08	0.11	0.12	0.10	23.01	ppb
Molybdenum	98-1	0.11	0.10	0.10	0.10	5.72	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.20	1.35	1.32	1.29	6.17	ppb
Phosphorus	31-2	-139.57	-139.97	-127.65	-135.73		ppb
Potassium	39-2	518.63	526.80	519.81	521.75	0.85	ppb
Rhodium	103-1				107		%
Rhodium	103-2				109		%
Scandium	45-1				108		%
Scandium	45-2				106		%
Selenium	82-1	0.80	1.49	2.18	1.49	46.21	ppb
Selenium	77-2	3.43	3.02	3.69	3.38	10.07	ppb
Selenium	78-2	2.65	0.46	2.94	2.02	67.34	ppb
Silicon	28-1	69.01	74.02	77.23	73.42	5.64	ppb
Silver	107-1	0.01	0.02	0.01	0.02	12.44	ppb
Silver	109-1	0.02	0.01	0.02	0.01	14.71	ppb
Sodium	23-2	2530.93	2524.65	2522.82	2526.13	0.17	ppb
Strontium	86-1	0.56	0.59	0.54	0.57	4.50	ppb
Strontium	88-1	0.58	0.61	0.63	0.61	4.01	ppb
Sulfur	34-1	-1129.34	-872.53	-898.83	-966.90		ppb
Terbium	159-1				106		%
Terbium	159-2				109		%
Thallium	203-1	-0.05	-0.04	-0.04	-0.04		ppb
Thallium	205-1	-0.06	-0.05	-0.04	-0.05		ppb
Tin	118-1	0.25	0.21	0.35	0.27	26.08	ppb
Titanium	47-1	5.87	5.73	5.51	5.70	3.23	ppb

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	Q2776-01DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	72825DUPDL	Dilution Factor :	5
Date & Time Acquired :	2025-08-12 12:33:29	DataFile Name :	039SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.01	0.01	0.01	24.02	ppb
Vanadium	51-2	0.46	0.47	0.47	0.47	1.77	ppb
Yttrium	89-1				111		%
Yttrium	89-2				109		%
Zinc	66-2	25.54	25.49	24.70	25.24	1.88	ppb
Zirconium	90-1	0.20	0.19	0.20	0.20	3.96	ppb
Zirconium	91-1	0.22	0.24	0.19	0.22	12.85	ppb

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	Q2776-01LDLX25	Instrumnet Name :	P7
Client Sample ID :	72825LDL	Dilution Factor :	25
Date & Time Acquired :	2025-08-12 12:36:41	DataFile Name :	040SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	26.61	28.30	28.02	27.64	3.27	ppb
Antimony	121-1	0.03	0.04	0.03	0.03	14.48	ppb
Arsenic	75-2	0.07	0.09	0.09	0.08	11.87	ppb
Barium	135-1	2.06	2.17	2.18	2.14	3.17	ppb
Barium	137-1	2.13	2.05	2.14	2.11	2.22	ppb
Beryllium	9-1	0.01	0.02	0.02	0.01	37.38	ppb
Bismuth	209-1				99		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.02	-0.04	0.02	0.00	875.77	ppb
Cadmium	106-1	-3.23	-3.74	-2.67	-3.21		ppb
Cadmium	111-1	-0.21	-0.24	-0.16	-0.21		ppb
Calcium	43-1	-8.18	-17.35	-5.20	-10.25		ppb
Calcium	44-1	7.23	7.75	9.19	8.06	12.54	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.14	0.12	0.12	0.13	11.70	ppb
Cobalt	59-2	0.10	0.09	0.10	0.10	6.10	ppb
Copper	63-2	1.02	1.04	1.02	1.02	0.98	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				106		%
Indium	115-1				105		%
Indium	115-2				106		%
Iron	56-2	493.21	500.04	491.75	495.00	0.89	ppb
Iron	57-2	516.92	507.86	505.38	510.05	1.19	ppb
Iron	54-2	511.26	511.61	505.99	509.62	0.62	ppb
Krypton	83-1						cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	Q2776-01LDLX25	Instrumnet Name :	P7
Client Sample ID :	72825LDL	Dilution Factor :	25
Date & Time Acquired :	2025-08-12 12:36:41	DataFile Name :	040SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.59	0.65	0.60	0.61	4.62	ppb
Lead	207-1	0.59	0.57	0.60	0.59	3.20	ppb
Lead	208-1	0.60	0.60	0.60	0.60	0.63	ppb
Lithium	6-1				94		%
Magnesium	24-2	27.76	26.94	26.83	27.17	1.87	ppb
Manganese	55-2	14.79	15.15	14.83	14.92	1.30	ppb
Molybdenum	94-1	0.10	0.11	0.12	0.11	10.58	ppb
Molybdenum	95-1	0.03	0.02	0.04	0.03	37.00	ppb
Molybdenum	96-1	0.05	0.03	0.04	0.04	28.45	ppb
Molybdenum	97-1	0.02	0.02	0.04	0.02	51.54	ppb
Molybdenum	98-1	0.03	0.02	0.04	0.03	27.78	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.18	0.30	0.27	0.25	24.52	ppb
Phosphorus	31-2	-144.87	-143.99	-147.49	-145.45		ppb
Potassium	39-2	113.37	116.15	116.94	115.49	1.62	ppb
Rhodium	103-1				105		%
Rhodium	103-2				106		%
Scandium	45-1				106		%
Scandium	45-2				104		%
Selenium	82-1	0.84	0.71	1.28	0.94	31.73	ppb
Selenium	77-2	0.66	0.45	2.45	1.18	92.84	ppb
Selenium	78-2	1.08	1.89	0.02	1.00	94.35	ppb
Silicon	28-1	12.10	15.52	12.15	13.26	14.76	ppb
Silver	107-1	0.00	0.00	0.00	0.00	38.80	ppb
Silver	109-1	0.00	0.00	0.01	0.00	128.38	ppb
Sodium	23-2	531.24	534.27	536.75	534.09	0.52	ppb
Strontium	86-1	0.10	0.18	0.10	0.12	37.47	ppb
Strontium	88-1	0.12	0.11	0.13	0.12	5.95	ppb
Sulfur	34-1	-1057.93	-1129.81	-945.84	-1044.53		ppb
Terbium	159-1				104		%
Terbium	159-2				106		%
Thallium	203-1	-0.05	-0.07	-0.07	-0.06		ppb
Thallium	205-1	-0.06	-0.06	-0.06	-0.06		ppb
Tin	118-1	0.11	0.12	0.13	0.12	9.92	ppb
Titanium	47-1	1.06	1.16	1.16	1.13	5.24	ppb

Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	Q2776-01LDLX25	Instrumnet Name :	P7
Client Sample ID :	72825LDL	Dilution Factor :	25
Date & Time Acquired :	2025-08-12 12:36:41	DataFile Name :	040SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	15.53	ppb
Vanadium	51-2	0.10	0.12	0.11	0.11	10.86	ppb
Yttrium	89-1				107		%
Yttrium	89-2				106		%
Zinc	66-2	5.33	5.49	5.68	5.50	3.16	ppb
Zirconium	90-1	0.05	0.04	0.04	0.04	8.28	ppb
Zirconium	91-1	0.05	0.03	0.05	0.04	15.22	ppb

Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	CCV04	Instrumnet Name :	P7
Client Sample ID :	CCV04	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 12:39:59	DataFile Name :	041CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	48114.67	47354.01	47961.29	47809.99	0.84	ppb
Antimony	121-1	498.16	503.34	492.72	498.07	1.07	ppb
Arsenic	75-2	480.28	497.20	489.31	488.93	1.73	ppb
Barium	135-1	2541.82	2498.19	2427.23	2489.08	2.32	ppb
Barium	137-1	2460.83	2522.54	2451.82	2478.40	1.55	ppb
Beryllium	9-1	464.70	476.32	479.92	473.65	1.68	ppb
Bismuth	209-1				95		%
Bismuth	209-2				95		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	488.91	489.57	486.02	488.17	0.39	ppb
Cadmium	106-1	481.71	483.92	482.11	482.58	0.24	ppb
Cadmium	111-1	478.41	478.97	480.28	479.22	0.20	ppb
Calcium	43-1	227163.50	230422.91	230336.85	229307.75	0.81	ppb
Calcium	44-1	231342.27	236594.45	234241.79	234059.50	1.12	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	494.97	505.14	501.60	500.57	1.03	ppb
Cobalt	59-2	496.46	506.88	502.12	501.82	1.04	ppb
Copper	63-2	4860.60	4896.40	4765.55	4840.85	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				108		%
Indium	115-1				102		%
Indium	115-2				102		%
Iron	56-2	122753.11	121785.60	122434.66	122324.46	0.40	ppb
Iron	57-2	121684.71	120565.97	121411.01	121220.56	0.48	ppb
Iron	54-2	120392.41	122027.24	120289.72	120903.12	0.81	ppb
Krypton	83-1						cps

Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	CCV04	Instrumnet Name :	P7
Client Sample ID :	CCV04	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 12:39:59	DataFile Name :	041CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2562.15	2608.55	2505.94	2558.88	2.01	ppb
Lead	207-1	2513.63	2533.39	2469.08	2505.37	1.31	ppb
Lead	208-1	2500.58	2546.36	2493.88	2513.61	1.14	ppb
Lithium	6-1				97		%
Magnesium	24-2	233161.58	234043.02	229656.31	232286.97	1.00	ppb
Manganese	55-2	4977.66	4975.70	4937.00	4963.45	0.46	ppb
Molybdenum	94-1	4959.97	5095.62	5053.57	5036.38	1.38	ppb
Molybdenum	95-1	4878.75	5003.52	5016.68	4966.32	1.53	ppb
Molybdenum	96-1	4972.18	5023.06	5107.69	5034.31	1.36	ppb
Molybdenum	97-1	4952.78	5062.23	5028.89	5014.63	1.12	ppb
Molybdenum	98-1	4929.20	5034.86	4977.38	4980.48	1.06	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	483.07	485.88	477.36	482.11	0.90	ppb
Phosphorus	31-2	9881.84	10016.83	9901.37	9933.35	0.73	ppb
Potassium	39-2	117731.01	117807.75	118075.96	117871.57	0.15	ppb
Rhodium	103-1				102		%
Rhodium	103-2				100		%
Scandium	45-1				107		%
Scandium	45-2				105		%
Selenium	82-1	467.91	483.60	475.44	475.65	1.65	ppb
Selenium	77-2	475.44	499.95	485.58	486.99	2.53	ppb
Selenium	78-2	474.63	493.68	471.93	480.08	2.47	ppb
Silicon	28-1	492.13	505.81	501.59	499.84	1.40	ppb
Silver	107-1	492.42	493.64	484.18	490.08	1.05	ppb
Silver	109-1	484.36	488.43	500.32	491.04	1.69	ppb
Sodium	23-2	232608.17	231310.66	230165.38	231361.40	0.53	ppb
Strontium	86-1	494.14	495.79	500.76	496.90	0.69	ppb
Strontium	88-1	500.91	506.99	510.02	505.98	0.92	ppb
Sulfur	34-1	8509.60	8780.60	8723.33	8671.18	1.65	ppb
Terbium	159-1				105		%
Terbium	159-2				105		%
Thallium	203-1	517.87	520.13	507.45	515.15	1.31	ppb
Thallium	205-1	511.14	524.11	508.46	514.57	1.63	ppb
Tin	118-1	499.70	497.02	503.45	500.06	0.65	ppb
Titanium	47-1	4892.58	5018.36	4986.18	4965.70	1.32	ppb

Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	CCV04	Instrumnet Name :	P7
Client Sample ID :	CCV04	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 12:39:59	DataFile Name :	041CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	487.87	496.14	494.55	492.85	0.89	ppb
Vanadium	51-2	502.21	494.15	500.40	498.92	0.85	ppb
Yttrium	89-1				108		%
Yttrium	89-2				105		%
Zinc	66-2	4735.14	4743.44	4830.67	4769.75	1.11	ppb
Zirconium	90-1	504.48	503.66	513.39	507.18	1.06	ppb
Zirconium	91-1	498.76	502.11	503.04	501.30	0.45	ppb

Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	CCB04	Instrumnet Name :	P7
Client Sample ID :	CCB04	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 12:47:23	DataFile Name :	042CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.39	0.45	0.13	0.06	699.49	ppb
Antimony	121-1	0.05	0.04	0.04	0.04	12.43	ppb
Arsenic	75-2	-0.01	0.03	0.00	0.00	478.73	ppb
Barium	135-1	0.01	0.00	0.02	0.01	150.12	ppb
Barium	137-1	0.00	0.01	0.02	0.01	68.32	ppb
Beryllium	9-1	0.01	0.00	0.00	0.00	132.29	ppb
Bismuth	209-1				97		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.03	-0.06	0.00	-0.01		ppb
Cadmium	106-1	-3.52	-2.69	-4.08	-3.43		ppb
Cadmium	111-1	-0.24	-0.17	-0.27	-0.23		ppb
Calcium	43-1	-80.28	-78.23	-77.11	-78.54		ppb
Calcium	44-1	-59.30	-54.02	-51.63	-54.98		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.02	-0.04	-0.04	-0.02		ppb
Cobalt	59-2	-0.02	-0.01	-0.02	-0.01		ppb
Copper	63-2	0.04	-0.01	0.01	0.01	211.07	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				102		%
Holmium	165-2				104		%
Indium	115-1				102		%
Indium	115-2				105		%
Iron	56-2	0.14	0.04	0.09	0.09	57.55	ppb
Iron	57-2	0.99	0.28	4.24	1.84	115.11	ppb
Iron	54-2	0.70	-0.95	0.00	-0.08		ppb
Krypton	83-1						cps

Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	CCB04	Instrumnet Name :	P7
Client Sample ID :	CCB04	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 12:47:23	DataFile Name :	042CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.01	0.01	0.02	0.01	57.15	ppb
Lead	207-1	0.02	0.01	0.01	0.01	36.76	ppb
Lead	208-1	0.02	0.01	0.01	0.01	27.78	ppb
Lithium	6-1				93		%
Magnesium	24-2	0.60	0.59	0.66	0.62	5.98	ppb
Manganese	55-2	-0.09	-0.10	-0.09	-0.09		ppb
Molybdenum	94-1	0.08	0.04	0.02	0.05	70.83	ppb
Molybdenum	95-1	0.03	0.03	0.03	0.03	1.61	ppb
Molybdenum	96-1	0.03	0.04	0.04	0.03	21.74	ppb
Molybdenum	97-1	0.03	0.03	0.07	0.04	53.12	ppb
Molybdenum	98-1	0.03	0.03	0.04	0.03	18.37	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.10	-0.11	-0.14	-0.12		ppb
Phosphorus	31-2	-139.40	-147.47	-155.65	-147.51		ppb
Potassium	39-2	17.04	14.21	11.75	14.33	18.48	ppb
Rhodium	103-1				103		%
Rhodium	103-2				103		%
Scandium	45-1				104		%
Scandium	45-2				102		%
Selenium	82-1	-0.12	-0.01	-0.56	-0.23		ppb
Selenium	77-2	0.45	0.45	0.00	0.30	86.60	ppb
Selenium	78-2	0.22	2.22	0.63	1.02	103.02	ppb
Silicon	28-1	-0.65	-0.70	0.53	-0.27		ppb
Silver	107-1	0.01	0.01	0.02	0.01	24.48	ppb
Silver	109-1	0.01	0.01	0.01	0.01	7.86	ppb
Sodium	23-2	35.25	31.13	29.33	31.90	9.52	ppb
Strontium	86-1	-0.05	-0.01	0.04	-0.01		ppb
Strontium	88-1	-0.02	-0.02	-0.02	-0.02		ppb
Sulfur	34-1	-1313.97	-1246.66	-1014.38	-1191.67		ppb
Terbium	159-1				99		%
Terbium	159-2				104		%
Thallium	203-1	-0.04	-0.05	-0.04	-0.04		ppb
Thallium	205-1	-0.04	-0.04	-0.04	-0.04		ppb
Tin	118-1	0.02	0.03	0.04	0.03	30.97	ppb
Titanium	47-1	0.02	0.02	-0.01	0.01	196.66	ppb

Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	CCB04	Instrumnet Name :	P7
Client Sample ID :	CCB04	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 12:47:23	DataFile Name :	042CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	54.38	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00		ppb
Yttrium	89-1				106		%
Yttrium	89-2				105		%
Zinc	66-2	-0.31	-0.44	-0.31	-0.35		ppb
Zirconium	90-1	0.00	0.02	0.01	0.01	104.02	ppb
Zirconium	91-1	0.03	0.01	-0.01	0.01	151.15	ppb

Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 10:08:13	DataFile Name :	004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	307	327	357	330	7.63	cps
Antimony	121-1	33	33	33	33	0.00	cps
Arsenic	75-2	10	7	10	9	21.63	cps
Barium	135-1	50	47	57	51	9.96	cps
Barium	137-1	57	77	97	77	26.09	cps
Beryllium	9-1	7	7	0	5	85.64	cps
Bismuth	209-1	4618703	4565757	4545299	4576586	0.83	cps
Bismuth	209-2	3883249	3932115	3920523	3911962	0.65	cps
Bromine	81-1	9330	9430	9166	9309	1.43	cps
Bromine	81-2	163	147	143	151	7.09	cps
Cadmium	108-1	3	13	23	13	75.02	cps
Cadmium	106-1	2807	2650	2577	2678	4.39	cps
Cadmium	111-1	1976	1879	1794	1883	4.83	cps
Calcium	43-1	1640	1557	1637	1611	2.93	cps
Calcium	44-1	44442	44846	44181	44490	0.75	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1970	2017	1917	1968	2.54	cps
Cobalt	59-2	147	157	153	152	3.35	cps
Copper	63-2	1217	1153	1227	1199	3.32	cps
Dysprosium	156-1	23	20	20	21	9.11	cps
Dysprosium	156-2	10	10	3	8	49.52	cps
Erbium	164-1	53	70	43	56	24.25	cps
Erbium	164-2	53	57	37	49	21.91	cps
Gadolinium	160-1	40	77	37	51	43.42	cps
Gadolinium	160-2	320	370	290	327	12.37	cps
Holmium	165-1	7232331	7133241	6957290	7107620	1.96	cps
Holmium	165-2	5271263	5180694	5218534	5223497	0.87	cps
Indium	115-1	6093294	5891379	5991646	5992106	1.68	cps
Indium	115-2	2427537	2313061	2304377	2348325	2.93	cps
Iron	56-2	22140	22110	22046	22099	0.22	cps
Iron	57-2	1537	1597	1387	1507	7.18	cps
Iron	54-2	2830	2900	2747	2826	2.72	cps
Krypton	83-1	500	460	497	486	4.57	cps

Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 10:08:13	DataFile Name :	004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	443	480	437	453	5.15	cps
Lead	207-1	463	383	370	406	12.45	cps
Lead	208-1	1867	1800	1743	1803	3.42	cps
Lithium	6-1	473438	467054	463864	468118	1.04	cps
Magnesium	24-2	300	207	287	264	19.09	cps
Manganese	55-2	1070	1030	1020	1040	2.54	cps
Molybdenum	94-1	277	240	253	257	7.23	cps
Molybdenum	95-1	217	193	230	213	8.70	cps
Molybdenum	96-1	263	247	227	246	7.48	cps
Molybdenum	97-1	183	150	140	158	14.38	cps
Molybdenum	98-1	360	303	253	306	17.47	cps
Neodymium	150-1	0	3	3	2	86.60	cps
Neodymium	150-2	3	3	0	2	86.60	cps
Nickel	60-2	687	583	523	598	13.82	cps
Phosphorus	31-2	930	813	853	866	6.85	cps
Potassium	39-2	72853	73925	71882	72887	1.40	cps
Rhodium	103-1	6231177	6034726	5918279	6061394	2.61	cps
Rhodium	103-2	3942098	3848461	3763034	3851198	2.33	cps
Scandium	45-1	3861179	3762731	3742495	3788802	1.68	cps
Scandium	45-2	398283	397078	397914	397758	0.16	cps
Selenium	82-1	286	310	223	273	16.50	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	403	543	517	488	15.24	cps
Silicon	28-1	613491	615539	609865	612965	0.47	cps
Silver	107-1	93	93	73	87	13.32	cps
Silver	109-1	70	87	93	83	14.42	cps
Sodium	23-2	26396	26550	26433	26459	0.30	cps
Strontium	86-1	707	767	807	760	6.62	cps
Strontium	88-1	443	483	383	437	11.53	cps
Sulfur	34-1	193059	191194	192283	192179	0.49	cps
Terbium	159-1	7483498	7273214	7102701	7286471	2.62	cps
Terbium	159-2	5147658	5244885	5264282	5218942	1.20	cps
Thallium	203-1	587	557	607	583	4.31	cps
Thallium	205-1	1297	1343	1397	1346	3.72	cps
Tin	118-1	873	867	810	850	4.09	cps
Titanium	47-1	97	83	83	88	8.77	cps

Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 10:08:13	DataFile Name :	004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	10	20	13	14	35.26	cps
Vanadium	51-2	13	30	23	22	37.76	cps
Yttrium	89-1	9367227	9166565	9112084	9215292	1.46	cps
Yttrium	89-2	2796527	2748811	2677538	2740959	2.18	cps
Zinc	66-2	1087	993	1033	1038	4.51	cps
Zirconium	90-1	410	383	363	386	6.07	cps
Zirconium	91-1	63	73	77	71	9.76	cps

Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 10:11:31	DataFile Name :	005CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4081	4101	4081	4087	0.28	cps
Antimony	121-1	11681	11311	11074	11356	2.69	cps
Arsenic	75-2	413	450	387	417	7.63	cps
Barium	135-1	12546	12813	12259	12539	2.21	cps
Barium	137-1	22284	22067	22581	22311	1.16	cps
Beryllium	9-1	898	908	862	889	2.69	cps
Bismuth	209-1	4539076	4490043	4461115	4496745	0.88	cps
Bismuth	209-2	3865059	3801291	3926225	3864192	1.62	cps
Bromine	81-1	9290	9240	9160	9230	0.71	cps
Bromine	81-2	163	167	163	164	1.17	cps
Cadmium	108-1	87	80	113	93	18.90	cps
Cadmium	106-1	2884	2547	2854	2761	6.75	cps
Cadmium	111-1	3465	3154	3422	3347	5.04	cps
Calcium	43-1	8756	8593	8779	8709	1.17	cps
Calcium	44-1	164510	162828	161821	163053	0.83	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	8169	8172	8462	8268	2.04	cps
Cobalt	59-2	5298	5264	5251	5271	0.46	cps
Copper	63-2	8412	8389	8062	8288	2.36	cps
Dysprosium	156-1	27	27	13	22	34.66	cps
Dysprosium	156-2	13	7	10	10	33.30	cps
Erbium	164-1	53	50	37	47	18.89	cps
Erbium	164-2	30	50	43	41	24.77	cps
Gadolinium	160-1	67	57	63	62	8.18	cps
Gadolinium	160-2	403	287	323	338	17.66	cps
Holmium	165-1	6991851	6803223	6979727	6924933	1.52	cps
Holmium	165-2	5272406	5167941	5136258	5192202	1.37	cps
Indium	115-1	5890360	5777229	5643800	5770463	2.14	cps
Indium	115-2	2382398	2274957	2303495	2320283	2.40	cps
Iron	56-2	172930	172417	167709	171018	1.68	cps
Iron	57-2	5454	5491	5171	5372	3.26	cps
Iron	54-2	11238	10844	11184	11089	1.93	cps
Krypton	83-1	547	463	487	499	8.62	cps

Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 10:11:31	DataFile Name :	005CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4014	4021	3974	4003	0.63	cps
Lead	207-1	3520	3474	3571	3522	1.37	cps
Lead	208-1	15824	15724	15870	15806	0.47	cps
Lithium	6-1	468149	458269	456645	461021	1.35	cps
Magnesium	24-2	150665	150497	150348	150503	0.11	cps
Manganese	55-2	3480	3304	3574	3453	3.97	cps
Molybdenum	94-1	12786	13096	12078	12653	4.12	cps
Molybdenum	95-1	15505	14627	14544	14892	3.58	cps
Molybdenum	96-1	16833	16289	16439	16521	1.70	cps
Molybdenum	97-1	9813	9887	9390	9697	2.77	cps
Molybdenum	98-1	24785	24240	24013	24346	1.63	cps
Neodymium	150-1	0	3	3	2	86.60	cps
Neodymium	150-2	0	3	10	4	114.60	cps
Nickel	60-2	1943	1620	1833	1799	9.14	cps
Phosphorus	31-2	3257	3347	3537	3380	4.23	cps
Potassium	39-2	249009	247820	244300	247043	0.99	cps
Rhodium	103-1	6064956	5986231	5884838	5978675	1.51	cps
Rhodium	103-2	3906885	3801458	3837828	3848724	1.39	cps
Scandium	45-1	3792553	3716695	3720086	3743111	1.14	cps
Scandium	45-2	392535	395079	392567	393394	0.37	cps
Selenium	82-1	809	949	808	855	9.47	cps
Selenium	77-2	67	70	47	61	20.65	cps
Selenium	78-2	707	727	670	701	4.10	cps
Silicon	28-1	634568	651123	638972	641554	1.34	cps
Silver	107-1	8109	8009	8126	8081	0.78	cps
Silver	109-1	7745	7522	7702	7657	1.55	cps
Sodium	23-2	255941	255135	259900	256992	0.99	cps
Strontium	86-1	2667	2580	2500	2582	3.23	cps
Strontium	88-1	16880	16246	16656	16594	1.94	cps
Sulfur	34-1	198460	200085	198549	199031	0.46	cps
Terbium	159-1	7182728	7230478	7080656	7164621	1.07	cps
Terbium	159-2	5208683	5163206	5130533	5167474	0.76	cps
Thallium	203-1	5928	5788	5958	5891	1.54	cps
Thallium	205-1	13664	13350	13784	13599	1.65	cps
Tin	118-1	23880	23543	24207	23877	1.39	cps
Titanium	47-1	4124	4147	4194	4155	0.86	cps

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 10:11:31	DataFile Name :	005CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	16070	15202	15523	15598	2.81	cps
Vanadium	51-2	12926	13006	13199	13044	1.08	cps
Yttrium	89-1	9429175	9178923	9044953	9217683	2.12	cps
Yttrium	89-2	2719760	2782409	2700247	2734139	1.57	cps
Zinc	66-2	4091	3961	4011	4021	1.63	cps
Zirconium	90-1	10864	10887	10701	10817	0.94	cps
Zirconium	91-1	2367	2384	2497	2416	2.93	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 10:18:06	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	178686	177122	174842	176883	1.09	cps
Antimony	121-1	281340	282111	277805	280419	0.82	cps
Arsenic	75-2	20281	19934	20381	20198	1.16	cps
Barium	135-1	332245	328928	328704	329959	0.60	cps
Barium	137-1	574171	572697	562235	569701	1.14	cps
Beryllium	9-1	43196	42744	42928	42956	0.53	cps
Bismuth	209-1	4562927	4516350	4463445	4514241	1.10	cps
Bismuth	209-2	3903395	3863560	3871823	3879593	0.54	cps
Bromine	81-1	9143	8929	9220	9097	1.65	cps
Bromine	81-2	160	180	167	169	6.03	cps
Cadmium	108-1	5771	5848	5858	5826	0.81	cps
Cadmium	106-1	10567	10644	10717	10643	0.71	cps
Cadmium	111-1	82831	82295	80533	81886	1.47	cps
Calcium	43-1	88245	86847	86113	87068	1.24	cps
Calcium	44-1	1363967	1366586	1361662	1364072	0.18	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	160825	159552	157407	159261	1.08	cps
Cobalt	59-2	244073	240231	242093	242133	0.79	cps
Copper	63-2	1945878	1950672	1901805	1932785	1.39	cps
Dysprosium	156-1	37	13	27	26	45.82	cps
Dysprosium	156-2	17	27	27	23	24.74	cps
Erbium	164-1	70	63	40	58	27.26	cps
Erbium	164-2	60	77	63	67	13.23	cps
Gadolinium	160-1	60	53	40	51	19.92	cps
Gadolinium	160-2	270	300	310	293	7.10	cps
Holmium	165-1	7155297	7138236	6928047	7073860	1.79	cps
Holmium	165-2	5161155	5209670	5193352	5188059	0.48	cps
Indium	115-1	6067506	5962362	5883566	5971145	1.55	cps
Indium	115-2	2309942	2306581	2297845	2304789	0.27	cps
Iron	56-2	7273913	7197595	7211626	7227711	0.56	cps
Iron	57-2	193796	192448	189949	192064	1.02	cps
Iron	54-2	434360	430514	428154	431010	0.73	cps
Krypton	83-1	503	530	487	507	4.31	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 10:18:06	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1065466	1052994	1033196	1050552	1.55	cps
Lead	207-1	899188	895757	883980	892975	0.89	cps
Lead	208-1	4241305	4168879	4178097	4196094	0.94	cps
Lithium	6-1	490935	481383	474613	482311	1.70	cps
Magnesium	24-2	1555045	1560384	1535365	1550265	0.85	cps
Manganese	55-2	1320414	1300615	1309703	1310244	0.76	cps
Molybdenum	94-1	1069379	1068421	1055267	1064356	0.74	cps
Molybdenum	95-1	1521061	1528729	1505618	1518469	0.78	cps
Molybdenum	96-1	1634351	1648114	1612405	1631623	1.10	cps
Molybdenum	97-1	954138	954044	931389	946524	1.38	cps
Molybdenum	98-1	2433760	2417639	2363439	2404946	1.53	cps
Neodymium	150-1	0	13	23	12	95.78	cps
Neodymium	150-2	7	7	10	8	24.71	cps
Nickel	60-2	64943	64418	64344	64568	0.51	cps
Phosphorus	31-2	10564	10487	10620	10557	0.63	cps
Potassium	39-2	986816	979250	972644	979570	0.72	cps
Rhodium	103-1	6093466	5938579	5803202	5945082	2.44	cps
Rhodium	103-2	3818529	3844215	3849724	3837489	0.43	cps
Scandium	45-1	3739972	3684757	3650815	3691848	1.22	cps
Scandium	45-2	396605	392924	393777	394435	0.49	cps
Selenium	82-1	6475	6305	6282	6354	1.66	cps
Selenium	77-2	763	667	777	736	8.16	cps
Selenium	78-2	2857	3037	2870	2921	3.43	cps
Silicon	28-1	1589492	1663994	1584864	1612783	2.75	cps
Silver	107-1	393435	396828	393796	394686	0.47	cps
Silver	109-1	375477	375488	368608	373191	1.06	cps
Sodium	23-2	2434552	2428545	2489253	2450783	1.36	cps
Strontium	86-1	99930	100863	98091	99628	1.42	cps
Strontium	88-1	860903	865171	844893	856989	1.25	cps
Sulfur	34-1	219371	218664	220183	219406	0.35	cps
Terbium	159-1	7277458	7136143	7026729	7146776	1.76	cps
Terbium	159-2	5206918	5171148	5109203	5162423	0.96	cps
Thallium	203-1	261530	258985	254501	258339	1.38	cps
Thallium	205-1	614599	610051	599889	608180	1.24	cps
Tin	118-1	233616	236051	234950	234872	0.52	cps
Titanium	47-1	408558	406346	398466	404457	1.31	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 10:18:06	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	794335	786559	782669	787854	0.75	cps
Vanadium	51-2	132746	132978	131260	132328	0.70	cps
Yttrium	89-1	9332520	9337427	9021152	9230366	1.96	cps
Yttrium	89-2	2763434	2734204	2768846	2755494	0.68	cps
Zinc	66-2	347071	347589	347335	347332	0.07	cps
Zirconium	90-1	521077	525329	513150	519852	1.19	cps
Zirconium	91-1	116058	116240	113515	115271	1.32	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P7
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 10:21:17	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	437417	430787	435444	434549	0.78	cps
Antimony	121-1	676743	688843	676895	680827	1.02	cps
Arsenic	75-2	50536	48599	49900	49679	1.99	cps
Barium	135-1	802863	801057	797675	800532	0.33	cps
Barium	137-1	1386889	1393448	1384141	1388159	0.34	cps
Beryllium	9-1	104534	104820	104135	104496	0.33	cps
Bismuth	209-1	4728757	4540492	4442738	4570662	3.18	cps
Bismuth	209-2	3867390	3826931	3865746	3853356	0.59	cps
Bromine	81-1	8976	9066	9160	9067	1.01	cps
Bromine	81-2	170	157	167	164	4.22	cps
Cadmium	108-1	13847	13964	14177	13996	1.20	cps
Cadmium	106-1	21750	21683	21760	21731	0.19	cps
Cadmium	111-1	196430	196514	198600	197182	0.62	cps
Calcium	43-1	213873	214074	210715	212887	0.89	cps
Calcium	44-1	3302719	3327439	3241163	3290441	1.35	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	385652	382060	385795	384502	0.55	cps
Cobalt	59-2	597945	593066	598526	596512	0.50	cps
Copper	63-2	4700612	4629191	4736523	4688775	1.17	cps
Dysprosium	156-1	30	33	43	36	19.51	cps
Dysprosium	156-2	23	53	37	38	39.79	cps
Erbium	164-1	107	77	83	89	17.72	cps
Erbium	164-2	30	50	53	44	28.39	cps
Gadolinium	160-1	57	73	60	63	13.92	cps
Gadolinium	160-2	337	270	320	309	11.23	cps
Holmium	165-1	6976219	6980070	6926026	6960772	0.43	cps
Holmium	165-2	5221661	5283673	5118949	5208094	1.60	cps
Indium	115-1	5908990	5735518	5677922	5774143	2.08	cps
Indium	115-2	2273312	2250328	2325305	2282982	1.68	cps
Iron	56-2	18169855	18174792	18228798	18191148	0.18	cps
Iron	57-2	468916	467162	470431	468836	0.35	cps
Iron	54-2	1064521	1050140	1062221	1058961	0.73	cps
Krypton	83-1	420	437	540	466	13.96	cps

Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P7
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 10:21:17	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2694180	2675567	2665160	2678302	0.55	cps
Lead	207-1	2335629	2325245	2319402	2326758	0.35	cps
Lead	208-1	10687427	10642221	10441436	10590361	1.24	cps
Lithium	6-1	484011	478814	469999	477608	1.48	cps
Magnesium	24-2	3881726	3714782	3870079	3822196	2.44	cps
Manganese	55-2	3266699	3245310	3165046	3225685	1.66	cps
Molybdenum	94-1	2615366	2578441	2620133	2604647	0.88	cps
Molybdenum	95-1	3744033	3737051	3729462	3736849	0.20	cps
Molybdenum	96-1	4023435	4028013	4000770	4017406	0.36	cps
Molybdenum	97-1	2301570	2264347	2298793	2288237	0.91	cps
Molybdenum	98-1	5929535	5848729	5906067	5894777	0.71	cps
Neodymium	150-1	53	37	17	36	51.62	cps
Neodymium	150-2	17	3	13	11	62.48	cps
Nickel	60-2	159868	156084	156680	157544	1.29	cps
Phosphorus	31-2	24500	24323	24286	24370	0.47	cps
Potassium	39-2	2154972	2141839	2154472	2150428	0.35	cps
Rhodium	103-1	5998600	5868487	5901471	5922853	1.14	cps
Rhodium	103-2	3743559	3832652	3758139	3778117	1.26	cps
Scandium	45-1	3759662	3679039	3626361	3688354	1.82	cps
Scandium	45-2	396227	390505	393742	393491	0.73	cps
Selenium	82-1	15339	15233	14879	15151	1.59	cps
Selenium	77-2	1783	1757	1967	1836	6.23	cps
Selenium	78-2	6158	6241	6221	6207	0.70	cps
Silicon	28-1	2691091	2723421	2744219	2719577	0.98	cps
Silver	107-1	976192	970599	955348	967380	1.12	cps
Silver	109-1	911658	910192	894885	905579	1.03	cps
Sodium	23-2	6056807	5826453	6038932	5974064	2.15	cps
Strontium	86-1	240514	238792	237214	238840	0.69	cps
Strontium	88-1	2084009	2087229	2096416	2089218	0.31	cps
Sulfur	34-1	252076	254675	253330	253360	0.51	cps
Terbium	159-1	7337301	7247528	7179743	7254857	1.09	cps
Terbium	159-2	5160933	5123323	5133726	5139327	0.38	cps
Thallium	203-1	636770	633742	627979	632830	0.71	cps
Thallium	205-1	1508464	1503256	1501043	1504254	0.25	cps
Tin	118-1	575157	572255	572094	573169	0.30	cps
Titanium	47-1	983077	990367	979146	984197	0.58	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P7
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 10:21:17	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	2108856	2067872	2072670	2083133	1.08	cps
Vanadium	51-2	328970	327084	328013	328022	0.29	cps
Yttrium	89-1	9366086	9098652	9093696	9186144	1.70	cps
Yttrium	89-2	2662801	2685200	2635088	2661030	0.94	cps
Zinc	66-2	845694	852767	833951	844137	1.13	cps
Zirconium	90-1	1273121	1269427	1250347	1264299	0.97	cps
Zirconium	91-1	283927	282229	279584	281913	0.78	cps

Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 10:24:15	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	870302	869166	866489	868652	0.23	cps
Antimony	121-1	1371357	1388091	1371960	1377136	0.69	cps
Arsenic	75-2	99800	98794	99058	99217	0.53	cps
Barium	135-1	1614628	1638831	1599746	1617735	1.22	cps
Barium	137-1	2842959	2922187	2851416	2872187	1.51	cps
Beryllium	9-1	207943	209625	209168	208912	0.42	cps
Bismuth	209-1	4595331	4583843	4527255	4568810	0.80	cps
Bismuth	209-2	3985873	3772237	3812321	3856810	2.94	cps
Bromine	81-1	9173	8846	9033	9017	1.82	cps
Bromine	81-2	183	157	163	168	8.27	cps
Cadmium	108-1	27743	28595	27660	27999	1.85	cps
Cadmium	106-1	40887	42315	41566	41589	1.72	cps
Cadmium	111-1	390509	398364	394602	394492	1.00	cps
Calcium	43-1	427444	431526	426720	428563	0.60	cps
Calcium	44-1	6574857	6627268	6597374	6599833	0.40	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	779446	776889	774262	776866	0.33	cps
Cobalt	59-2	1197498	1198344	1189954	1195265	0.39	cps
Copper	63-2	9471704	9291644	9213044	9325464	1.42	cps
Dysprosium	156-1	47	37	33	39	17.85	cps
Dysprosium	156-2	83	120	120	108	19.64	cps
Erbium	164-1	73	100	97	90	16.15	cps
Erbium	164-2	110	87	60	86	29.24	cps
Gadolinium	160-1	57	60	60	59	3.26	cps
Gadolinium	160-2	297	353	317	322	8.92	cps
Holmium	165-1	7217499	7040518	6983482	7080500	1.72	cps
Holmium	165-2	5214512	5212777	5196288	5207859	0.19	cps
Indium	115-1	5843684	5845740	5785238	5824887	0.59	cps
Indium	115-2	2352072	2312197	2286667	2316979	1.42	cps
Iron	56-2	36424458	36283079	35746038	36151191	0.99	cps
Iron	57-2	941456	936006	933008	936823	0.46	cps
Iron	54-2	2047731	2021610	2009044	2026128	0.97	cps
Krypton	83-1	413	337	490	413	18.55	cps

Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 10:24:15	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	5391785	5523428	5455831	5457015	1.21	cps
Lead	207-1	4655642	4804447	4704670	4721586	1.61	cps
Lead	208-1	21276372	21555169	21674684	21502075	0.95	cps
Lithium	6-1	482266	479080	471448	477598	1.16	cps
Magnesium	24-2	7621323	7748591	7689512	7686475	0.83	cps
Manganese	55-2	6524577	6448539	6308673	6427263	1.70	cps
Molybdenum	94-1	5292290	5258989	5259283	5270187	0.36	cps
Molybdenum	95-1	7450779	7382876	7426047	7419901	0.46	cps
Molybdenum	96-1	8135018	8065595	8099929	8100181	0.43	cps
Molybdenum	97-1	4686364	4670839	4680194	4679132	0.17	cps
Molybdenum	98-1	11926055	12058513	12180766	12055111	1.06	cps
Neodymium	150-1	63	73	53	63	15.79	cps
Neodymium	150-2	40	20	7	22	75.49	cps
Nickel	60-2	316571	313247	310448	313422	0.98	cps
Phosphorus	31-2	48638	48958	49022	48873	0.42	cps
Potassium	39-2	4366711	4331363	4325235	4341103	0.52	cps
Rhodium	103-1	5823554	5880101	5875031	5859562	0.53	cps
Rhodium	103-2	3792878	3809721	3793141	3798580	0.25	cps
Scandium	45-1	3752739	3629023	3645924	3675896	1.82	cps
Scandium	45-2	396361	395958	390742	394354	0.79	cps
Selenium	82-1	30916	30382	30523	30607	0.90	cps
Selenium	77-2	3567	3484	3630	3560	2.07	cps
Selenium	78-2	12806	11888	12365	12353	3.71	cps
Silicon	28-1	4597953	4685611	4676506	4653357	1.04	cps
Silver	107-1	1900109	1938559	1918972	1919213	1.00	cps
Silver	109-1	1794958	1845831	1823068	1821286	1.40	cps
Sodium	23-2	12105177	12043761	11944957	12031298	0.67	cps
Strontium	86-1	482992	485951	486290	485078	0.37	cps
Strontium	88-1	4151930	4279638	4274303	4235290	1.71	cps
Sulfur	34-1	311607	311400	313257	312088	0.33	cps
Terbium	159-1	7282509	7194220	7240036	7238921	0.61	cps
Terbium	159-2	5297405	5224757	5265146	5262436	0.69	cps
Thallium	203-1	1273575	1275797	1288350	1279240	0.62	cps
Thallium	205-1	3175290	3231785	3227552	3211542	0.98	cps
Tin	118-1	1145081	1157581	1148464	1150375	0.56	cps
Titanium	47-1	1952585	1987034	1941866	1960495	1.20	cps

Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 10:24:15	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	4111307	4142227	4244385	4165973	1.67	cps
Vanadium	51-2	656159	656675	653725	655520	0.24	cps
Yttrium	89-1	9215912	9238474	9123691	9192692	0.66	cps
Yttrium	89-2	2741377	2693498	2688461	2707778	1.08	cps
Zinc	66-2	1728016	1663533	1678756	1690102	1.99	cps
Zirconium	90-1	2553714	2579749	2540263	2557909	0.78	cps
Zirconium	91-1	571062	572792	569708	571188	0.27	cps

Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 10:27:09	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1760331	1717448	1705191	1727656	1.68	cps
Antimony	121-1	2781492	2796557	2742218	2773422	1.01	cps
Arsenic	75-2	196593	193514	192720	194275	1.05	cps
Barium	135-1	3291534	3327739	3292566	3303946	0.62	cps
Barium	137-1	5812037	5855317	5704712	5790689	1.34	cps
Beryllium	9-1	406986	410618	410382	409329	0.50	cps
Bismuth	209-1	4635727	4571793	4491188	4566236	1.59	cps
Bismuth	209-2	3758585	3889034	3844934	3830851	1.73	cps
Bromine	81-1	9580	9206	9193	9326	2.36	cps
Bromine	81-2	183	193	160	179	9.56	cps
Cadmium	108-1	56316	56111	56466	56298	0.32	cps
Cadmium	106-1	79694	81809	80334	80612	1.35	cps
Cadmium	111-1	779079	789947	779302	782776	0.79	cps
Calcium	43-1	854533	849394	847626	850517	0.42	cps
Calcium	44-1	13277121	13230559	13376472	13294717	0.56	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1570926	1554129	1573039	1566032	0.66	cps
Cobalt	59-2	2463348	2393147	2342248	2399581	2.53	cps
Copper	63-2	18559644	18858744	18410564	18609651	1.23	cps
Dysprosium	156-1	103	107	73	94	19.44	cps
Dysprosium	156-2	170	233	157	187	21.94	cps
Erbium	164-1	117	123	107	116	7.26	cps
Erbium	164-2	43	103	57	68	46.48	cps
Gadolinium	160-1	63	63	60	62	3.09	cps
Gadolinium	160-2	350	357	410	372	8.83	cps
Holmium	165-1	7253319	7108097	7095058	7152158	1.23	cps
Holmium	165-2	5182982	5370695	5183020	5245566	2.07	cps
Indium	115-1	5931207	5925315	5840413	5898978	0.86	cps
Indium	115-2	2344523	2313777	2291606	2316635	1.15	cps
Iron	56-2	73297709	72230762	70519019	72015830	1.95	cps
Iron	57-2	1834793	1794073	1744843	1791236	2.51	cps
Iron	54-2	4098808	3995466	4014619	4036298	1.36	cps
Krypton	83-1	470	467	480	472	1.47	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 10:27:09	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	10918639	11127967	11021057	11022554	0.95	cps
Lead	207-1	9380692	9622578	9434316	9479195	1.34	cps
Lead	208-1	43278734	43590119	43019316	43296056	0.66	cps
Lithium	6-1	478282	476464	469632	474793	0.96	cps
Magnesium	24-2	15028141	15158310	14956791	15047747	0.68	cps
Manganese	55-2	13081934	12608834	12641985	12777584	2.07	cps
Molybdenum	94-1	10519724	10463553	10398894	10460724	0.58	cps
Molybdenum	95-1	15263056	15100549	15308571	15224059	0.72	cps
Molybdenum	96-1	16459135	16399954	16251162	16370084	0.65	cps
Molybdenum	97-1	9218932	9344861	9483904	9349232	1.42	cps
Molybdenum	98-1	23978290	24219213	23869825	24022443	0.74	cps
Neodymium	150-1	97	133	97	109	19.44	cps
Neodymium	150-2	23	37	47	36	32.93	cps
Nickel	60-2	627732	630868	619373	625991	0.95	cps
Phosphorus	31-2	95772	94581	93062	94472	1.44	cps
Potassium	39-2	8400533	8523274	8545396	8489734	0.92	cps
Rhodium	103-1	5972353	5891418	5781920	5881897	1.62	cps
Rhodium	103-2	3819985	3869006	3813722	3834237	0.79	cps
Scandium	45-1	3832184	3732615	3761063	3775287	1.36	cps
Scandium	45-2	395005	403078	394427	397503	1.22	cps
Selenium	82-1	59976	59477	59107	59520	0.73	cps
Selenium	77-2	7165	7028	6805	6999	2.60	cps
Selenium	78-2	23499	24474	24277	24083	2.14	cps
Silicon	28-1	8338232	8483325	8453128	8424895	0.91	cps
Silver	107-1	3854768	3834685	3838351	3842601	0.28	cps
Silver	109-1	3654734	3674711	3629380	3652942	0.62	cps
Sodium	23-2	23751967	23595629	23522136	23623244	0.50	cps
Strontium	86-1	958903	960817	968304	962675	0.52	cps
Strontium	88-1	8408972	8434252	8402698	8415307	0.20	cps
Sulfur	34-1	430792	431656	432917	431788	0.25	cps
Terbium	159-1	7322204	7237275	7338202	7299227	0.74	cps
Terbium	159-2	5245599	5147377	5236793	5209923	1.04	cps
Thallium	203-1	2738766	2683273	2704366	2708802	1.03	cps
Thallium	205-1	6362231	6267745	6286458	6305478	0.79	cps
Tin	118-1	2373362	2332056	2307263	2337560	1.43	cps
Titanium	47-1	3945802	3869649	3970369	3928607	1.34	cps

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 10:27:09	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8450900	8556286	8387537	8464908	1.01	cps
Vanadium	51-2	1271141	1274034	1283165	1276113	0.49	cps
Yttrium	89-1	9465789	9277272	9276099	9339720	1.17	cps
Yttrium	89-2	2760499	2754908	2732639	2749349	0.54	cps
Zinc	66-2	3309619	3410727	3247685	3322677	2.48	cps
Zirconium	90-1	5106994	5154163	5156171	5139109	0.54	cps
Zirconium	91-1	1137301	1152754	1142731	1144262	0.69	cps

Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 10:29:53	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3453035	3442930	3440492	3445486	0.19	cps
Antimony	121-1	5538994	5647361	5575316	5587224	0.99	cps
Arsenic	75-2	395138	390794	390385	392106	0.67	cps
Barium	135-1	6749557	6738980	6755563	6748033	0.12	cps
Barium	137-1	11954324	11914563	11763201	11877363	0.85	cps
Beryllium	9-1	812266	805747	806983	808332	0.43	cps
Bismuth	209-1	4589233	4543322	4503738	4545431	0.94	cps
Bismuth	209-2	3883790	3793049	3850449	3842429	1.19	cps
Bromine	81-1	9433	9740	9463	9545	1.77	cps
Bromine	81-2	193	160	133	162	18.53	cps
Cadmium	108-1	111673	112479	112613	112255	0.45	cps
Cadmium	106-1	159305	159804	158139	159082	0.54	cps
Cadmium	111-1	1571195	1565375	1568069	1568213	0.19	cps
Calcium	43-1	1718481	1673263	1635312	1675685	2.48	cps
Calcium	44-1	26910071	27227019	26845138	26994076	0.76	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3135483	3061074	3047740	3081432	1.53	cps
Cobalt	59-2	4758762	4654761	4704244	4705922	1.11	cps
Copper	63-2	36837978	36749047	37200135	36929053	0.65	cps
Dysprosium	156-1	117	110	140	122	12.89	cps
Dysprosium	156-2	293	363	340	332	10.73	cps
Erbium	164-1	217	247	157	207	22.17	cps
Erbium	164-2	153	137	170	153	10.87	cps
Gadolinium	160-1	93	93	117	101	13.33	cps
Gadolinium	160-2	333	390	367	363	7.84	cps
Holmium	165-1	7390153	7155831	7287537	7277840	1.61	cps
Holmium	165-2	5273798	5218553	5212949	5235100	0.64	cps
Indium	115-1	5968885	5868072	5777522	5871493	1.63	cps
Indium	115-2	2311786	2226964	2254803	2264518	1.91	cps
Iron	56-2	146722841	145604368	142865295	145064168	1.37	cps
Iron	57-2	3599657	3523692	3645474	3589608	1.71	cps
Iron	54-2	8249340	8113641	8051617	8138199	1.24	cps
Krypton	83-1	463	433	453	450	3.39	cps

Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 10:29:53	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	22261491	22227107	22228172	22238923	0.09	cps
Lead	207-1	19125734	19196779	19020773	19114429	0.46	cps
Lead	208-1	87500046	87637099	86790162	87309102	0.52	cps
Lithium	6-1	481665	467502	468105	472424	1.70	cps
Magnesium	24-2	30559507	29989748	30270918	30273391	0.94	cps
Manganese	55-2	26141535	25989149	25684297	25938327	0.90	cps
Molybdenum	94-1	21283753	21709859	21434065	21475892	1.01	cps
Molybdenum	95-1	30596291	30997703	31029531	30874508	0.78	cps
Molybdenum	96-1	33129377	33161235	33467107	33252573	0.56	cps
Molybdenum	97-1	19230088	18887356	19269592	19129012	1.10	cps
Molybdenum	98-1	49502019	49635248	49035981	49391083	0.64	cps
Neodymium	150-1	203	217	197	206	4.95	cps
Neodymium	150-2	53	80	57	63	22.94	cps
Nickel	60-2	1234250	1228299	1238528	1233693	0.42	cps
Phosphorus	31-2	190415	190277	190024	190239	0.10	cps
Potassium	39-2	17490317	17276983	17094409	17287237	1.15	cps
Rhodium	103-1	6032813	5778341	5797552	5869569	2.41	cps
Rhodium	103-2	3751717	3726032	3744471	3740740	0.35	cps
Scandium	45-1	3787297	3754841	3718082	3753407	0.92	cps
Scandium	45-2	400773	391411	401291	397825	1.40	cps
Selenium	82-1	117164	120507	118572	118748	1.41	cps
Selenium	77-2	14384	13943	13957	14095	1.78	cps
Selenium	78-2	47627	48105	47155	47629	1.00	cps
Silicon	28-1	15924221	15814511	15893717	15877483	0.36	cps
Silver	107-1	7697099	7808717	7693082	7732966	0.85	cps
Silver	109-1	7386068	7369380	7303462	7352970	0.59	cps
Sodium	23-2	47136691	46888488	47144678	47056619	0.31	cps
Strontium	86-1	1978345	1982599	1946638	1969194	1.00	cps
Strontium	88-1	17078510	17080389	17129288	17096062	0.17	cps
Sulfur	34-1	676779	673943	671134	673952	0.42	cps
Terbium	159-1	7350294	7378610	7243002	7323969	0.98	cps
Terbium	159-2	5367161	5123455	5359632	5283416	2.62	cps
Thallium	203-1	5484736	5419498	5448567	5450934	0.60	cps
Thallium	205-1	13081557	13002116	12951678	13011784	0.50	cps
Tin	118-1	4715736	4769968	4771794	4752500	0.67	cps
Titanium	47-1	8048657	8155058	8091940	8098552	0.66	cps

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 10:29:53	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	17032165	17070281	17043246	17048564	0.12	cps
Vanadium	51-2	2716393	2630195	2619807	2655465	2.00	cps
Yttrium	89-1	9506364	9245891	9262796	9338351	1.56	cps
Yttrium	89-2	2742942	2697557	2712555	2717685	0.85	cps
Zinc	66-2	6627136	6498226	6569021	6564794	0.98	cps
Zirconium	90-1	10378122	10727505	10380484	10495370	1.92	cps
Zirconium	91-1	2304871	2310817	2292126	2302605	0.41	cps

Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P7
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 10:32:43	DataFile Name :	012CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	18057971	18393560	18394840	18282124	1.06	cps
Antimony	121-1	5975	6098	6218	6097	2.00	cps
Arsenic	75-2	610	580	673	621	7.67	cps
Barium	135-1	5795	5731	5645	5723	1.32	cps
Barium	137-1	9316	10110	9500	9642	4.31	cps
Beryllium	9-1	366	386	332	361	7.57	cps
Bismuth	209-1	4187104	4084834	4032033	4101324	1.92	cps
Bismuth	209-2	3511442	3566511	3512753	3530235	0.89	cps
Bromine	81-1	9200	9553	10360	9704	6.13	cps
Bromine	81-2	210	237	240	229	7.18	cps
Cadmium	108-1	127	133	93	118	18.20	cps
Cadmium	106-1	2644	2844	2597	2695	4.86	cps
Cadmium	111-1	3022	3157	2899	3026	4.27	cps
Calcium	43-1	8469219	8479323	8759735	8569425	1.92	cps
Calcium	44-1	138053755	137375548	137850561	137759955	0.25	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	19282	19052	19102	19146	0.63	cps
Cobalt	59-2	10384	10344	10540	10423	1.00	cps
Copper	63-2	20277	20357	20901	20512	1.66	cps
Dysprosium	156-1	323	280	300	301	7.20	cps
Dysprosium	156-2	277	283	307	289	5.45	cps
Erbium	164-1	640	690	653	661	3.92	cps
Erbium	164-2	523	537	477	512	6.15	cps
Gadolinium	160-1	310	347	393	350	11.93	cps
Gadolinium	160-2	560	570	513	548	5.52	cps
Holmium	165-1	7056684	6906620	6848954	6937420	1.55	cps
Holmium	165-2	5083892	5241200	5155893	5160329	1.53	cps
Indium	115-1	5724501	5569737	5602019	5632086	1.45	cps
Indium	115-2	2234585	2291471	2300134	2275397	1.56	cps
Iron	56-2	727633802	733600496	728948362	730060887	0.43	cps
Iron	57-2	18508797	17992409	18284047	18261751	1.42	cps
Iron	54-2	40446377	40803047	40900074	40716499	0.59	cps
Krypton	83-1	473	537	503	504	6.28	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P7
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 10:32:43	DataFile Name :	012CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	11402	11161	11375	11313	1.16	cps
Lead	207-1	10081	9300	9467	9616	4.27	cps
Lead	208-1	44468	43658	44202	44109	0.94	cps
Lithium	6-1	454983	439689	437578	444084	2.14	cps
Magnesium	24-2	159993401	160026514	160341598	160120504	0.12	cps
Manganese	55-2	21742	22043	21833	21873	0.71	cps
Molybdenum	94-1	13216	12966	13103	13095	0.96	cps
Molybdenum	95-1	14944	14477	15201	14874	2.47	cps
Molybdenum	96-1	20621	20792	20628	20680	0.47	cps
Molybdenum	97-1	9403	9550	9183	9379	1.97	cps
Molybdenum	98-1	23669	23659	23406	23578	0.63	cps
Neodymium	150-1	103	167	197	156	30.63	cps
Neodymium	150-2	83	90	67	80	15.02	cps
Nickel	60-2	6165	6025	5881	6023	2.35	cps
Phosphorus	31-2	1093	967	1023	1028	6.17	cps
Potassium	39-2	91990485	91952822	91405229	91782845	0.36	cps
Rhodium	103-1	5444670	5390333	5352821	5395941	0.86	cps
Rhodium	103-2	3573601	3599146	3531159	3567969	0.96	cps
Scandium	45-1	3676012	3594913	3679642	3650189	1.31	cps
Scandium	45-2	396803	399746	401021	399190	0.54	cps
Selenium	82-1	428	356	516	433	18.55	cps
Selenium	77-2	3	20	40	21	86.97	cps
Selenium	78-2	607	683	640	643	5.98	cps
Silicon	28-1	737962	728851	735195	734003	0.64	cps
Silver	107-1	4434	3417	2984	3612	20.61	cps
Silver	109-1	4397	3224	3020	3547	20.96	cps
Sodium	23-2	254924943	255104883	246720896	252250241	1.90	cps
Strontium	86-1	26932	27232	26320	26828	1.73	cps
Strontium	88-1	228622	229100	229993	229238	0.30	cps
Sulfur	34-1	177514	178809	175960	177428	0.80	cps
Terbium	159-1	7171237	6941293	7107076	7073202	1.68	cps
Terbium	159-2	5209491	5148390	5157629	5171837	0.64	cps
Thallium	203-1	6482	6145	6238	6288	2.77	cps
Thallium	205-1	15379	15099	14945	15141	1.45	cps
Tin	118-1	3594	3537	3617	3583	1.15	cps
Titanium	47-1	2967	2990	3067	3008	1.74	cps

Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P7
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 10:32:43	DataFile Name :	012CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	5621	5608	5421	5550	2.02	cps
Vanadium	51-2	1910	1927	1880	1906	1.24	cps
Yttrium	89-1	9110715	8905163	8993520	9003133	1.15	cps
Yttrium	89-2	2743056	2742127	2728824	2738002	0.29	cps
Zinc	66-2	5348	5408	5514	5423	1.56	cps
Zirconium	90-1	12679	12115	12405	12400	2.27	cps
Zirconium	91-1	2774	2764	2737	2758	0.69	cps

Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P7
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 10:51:08	DataFile Name :	014ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	279839	280086	273434	277786	1.36	cps
Antimony	121-1	2356803	2348789	2329172	2344921	0.61	cps
Arsenic	75-2	167559	165331	165325	166072	0.78	cps
Barium	135-1	2258297	2246855	2212345	2239166	1.07	cps
Barium	137-1	3938178	3969298	3908716	3938731	0.77	cps
Beryllium	9-1	30989	31236	30695	30973	0.87	cps
Bismuth	209-1	4616976	4376992	4546735	4513568	2.73	cps
Bismuth	209-2	4011721	3900960	3883602	3932094	1.77	cps
Bromine	81-1	10094	10140	10427	10220	1.77	cps
Bromine	81-2	180	160	177	172	6.22	cps
Cadmium	108-1	21830	21316	21409	21518	1.27	cps
Cadmium	106-1	32597	33773	32653	33008	2.01	cps
Cadmium	111-1	331166	342717	333583	335822	1.81	cps
Calcium	43-1	71853	72673	72764	72430	0.69	cps
Calcium	44-1	1206716	1162282	1196839	1188612	1.96	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	540390	535848	535938	537392	0.48	cps
Cobalt	59-2	2079709	2031608	2069013	2060110	1.23	cps
Copper	63-2	734394	740074	740609	738359	0.47	cps
Dysprosium	156-1	40	37	33	37	9.10	cps
Dysprosium	156-2	117	90	110	106	13.15	cps
Erbium	164-1	43	50	40	44	11.46	cps
Erbium	164-2	30	57	37	41	33.76	cps
Gadolinium	160-1	47	40	57	48	17.56	cps
Gadolinium	160-2	293	340	383	339	13.28	cps
Holmium	165-1	7274269	7050107	7059906	7128094	1.78	cps
Holmium	165-2	5324201	5348449	5403159	5358603	0.75	cps
Indium	115-1	6093885	6075939	5996176	6055333	0.86	cps
Indium	115-2	2461256	2405626	2422603	2429829	1.17	cps
Iron	56-2	2435100	2464097	2429473	2442890	0.76	cps
Iron	57-2	64401	65375	65529	65101	0.94	cps
Iron	54-2	160524	161389	161083	160999	0.27	cps
Krypton	83-1	490	497	477	488	2.09	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P7
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 10:51:08	DataFile Name :	014ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1659092	1668615	1642598	1656768	0.79	cps
Lead	207-1	1431359	1429056	1399417	1419944	1.25	cps
Lead	208-1	6799711	6648257	6656125	6701364	1.27	cps
Lithium	6-1	444470	438401	439356	440743	0.74	cps
Magnesium	24-2	1320533	1321101	1325678	1322437	0.21	cps
Manganese	55-2	997262	991405	991488	993385	0.34	cps
Molybdenum	94-1	1223	1307	1247	1259	3.41	cps
Molybdenum	95-1	1827	1893	1613	1778	8.23	cps
Molybdenum	96-1	1940	2270	2084	2098	7.89	cps
Molybdenum	97-1	1177	1213	1103	1165	4.81	cps
Molybdenum	98-1	2917	3104	2854	2958	4.39	cps
Neodymium	150-1	77	40	53	57	32.76	cps
Neodymium	150-2	10	27	13	17	52.93	cps
Nickel	60-2	536721	538455	544306	539827	0.74	cps
Phosphorus	31-2	917	923	877	906	2.79	cps
Potassium	39-2	1513943	1539125	1518607	1523892	0.88	cps
Rhodium	103-1	6181384	6077956	6115731	6125024	0.85	cps
Rhodium	103-2	3880357	3927975	3877305	3895212	0.73	cps
Scandium	45-1	3923233	3908322	3864739	3898765	0.78	cps
Scandium	45-2	411591	412135	410586	411437	0.19	cps
Selenium	82-1	52099	52576	52478	52384	0.48	cps
Selenium	77-2	6238	6428	6108	6258	2.57	cps
Selenium	78-2	21462	20938	21185	21195	1.24	cps
Silicon	28-1	668830	675466	669062	671119	0.56	cps
Silver	107-1	1667874	1651894	1639555	1653108	0.86	cps
Silver	109-1	1538706	1541512	1541018	1540412	0.10	cps
Sodium	23-2	2026750	2045871	1994528	2022383	1.28	cps
Strontium	86-1	1080	973	983	1012	5.82	cps
Strontium	88-1	1947	2047	2070	2021	3.24	cps
Sulfur	34-1	180573	180502	179294	180123	0.40	cps
Terbium	159-1	7262718	7338014	7157717	7252816	1.25	cps
Terbium	159-2	5391797	5296353	5284543	5324231	1.10	cps
Thallium	203-1	2103072	2115285	2081618	2099992	0.81	cps
Thallium	205-1	5107236	5037393	4991167	5045265	1.16	cps
Tin	118-1	3350	3297	3294	3314	0.96	cps
Titanium	47-1	420	377	333	377	11.50	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P7
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 10:51:08	DataFile Name :	014ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	200	187	173	187	7.14	cps
Vanadium	51-2	1122101	1124575	1113792	1120156	0.50	cps
Yttrium	89-1	9594493	9548782	9678041	9607105	0.68	cps
Yttrium	89-2	2848693	2852198	2840444	2847112	0.21	cps
Zinc	66-2	267967	270968	268850	269262	0.57	cps
Zirconium	90-1	630	573	563	589	6.11	cps
Zirconium	91-1	277	300	380	319	17.00	cps

Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P7
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 10:54:13	DataFile Name :	015LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4041	4101	4057	4066	0.76	cps
Antimony	121-1	11802	12205	12245	12084	2.03	cps
Arsenic	75-2	410	423	363	399	7.90	cps
Barium	135-1	12943	13270	12896	13036	1.56	cps
Barium	137-1	22798	23166	23232	23065	1.01	cps
Beryllium	9-1	968	894	866	909	5.80	cps
Bismuth	209-1	4623094	4536246	4479658	4546333	1.59	cps
Bismuth	209-2	3912323	3874237	3876880	3887813	0.55	cps
Bromine	81-1	10114	10244	10360	10239	1.21	cps
Bromine	81-2	120	117	160	132	18.24	cps
Cadmium	108-1	127	107	100	111	12.49	cps
Cadmium	106-1	2657	2707	2490	2618	4.33	cps
Cadmium	111-1	3251	3367	3123	3247	3.75	cps
Calcium	43-1	9076	8956	9170	9067	1.18	cps
Calcium	44-1	169601	169534	168934	169357	0.22	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	8512	8422	8399	8445	0.71	cps
Cobalt	59-2	5454	5068	5298	5273	3.69	cps
Copper	63-2	8719	8459	8509	8563	1.61	cps
Dysprosium	156-1	7	3	7	6	34.70	cps
Dysprosium	156-2	7	10	0	6	91.64	cps
Erbium	164-1	43	60	83	62	32.29	cps
Erbium	164-2	23	33	47	34	34.00	cps
Gadolinium	160-1	53	60	57	57	5.89	cps
Gadolinium	160-2	303	440	307	350	22.27	cps
Holmium	165-1	7212086	6952791	6990650	7051842	1.99	cps
Holmium	165-2	5308969	5336210	5114679	5253286	2.30	cps
Indium	115-1	6287565	6130937	6113124	6177209	1.55	cps
Indium	115-2	2428071	2408502	2365084	2400552	1.34	cps
Iron	56-2	177853	173371	175007	175411	1.29	cps
Iron	57-2	5488	5464	5488	5480	0.25	cps
Iron	54-2	11718	11701	11591	11670	0.59	cps
Krypton	83-1	477	520	453	483	7.00	cps

Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P7
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 10:54:13	DataFile Name :	015LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4174	4084	4174	4144	1.25	cps
Lead	207-1	3611	3591	3564	3588	0.65	cps
Lead	208-1	15874	16291	16291	16152	1.49	cps
Lithium	6-1	450380	440701	440960	444014	1.24	cps
Magnesium	24-2	151275	149214	149365	149951	0.77	cps
Manganese	55-2	3644	3327	3497	3489	4.54	cps
Molybdenum	94-1	13483	12876	13506	13288	2.69	cps
Molybdenum	95-1	15862	15949	15375	15729	1.97	cps
Molybdenum	96-1	17110	17284	17160	17185	0.52	cps
Molybdenum	97-1	9683	9743	9627	9684	0.60	cps
Molybdenum	98-1	25459	25399	24848	25235	1.33	cps
Neodymium	150-1	13	10	7	10	33.30	cps
Neodymium	150-2	7	3	0	3	100.05	cps
Nickel	60-2	1700	1763	1817	1760	3.32	cps
Phosphorus	31-2	3410	3330	3164	3301	3.81	cps
Potassium	39-2	258352	256274	254519	256382	0.75	cps
Rhodium	103-1	6163699	6143189	6102818	6136568	0.50	cps
Rhodium	103-2	3975188	3936554	3804563	3905435	2.29	cps
Scandium	45-1	3897924	3827363	3906697	3877328	1.12	cps
Scandium	45-2	405899	406622	404475	405666	0.27	cps
Selenium	82-1	920	885	1010	938	6.86	cps
Selenium	77-2	73	103	73	83	20.79	cps
Selenium	78-2	790	743	743	759	3.55	cps
Silicon	28-1	677856	688432	690622	685637	1.00	cps
Silver	107-1	8686	9303	9010	9000	3.43	cps
Silver	109-1	8319	8529	8146	8331	2.31	cps
Sodium	23-2	267850	267235	263707	266264	0.84	cps
Strontium	86-1	2620	2750	2854	2741	4.27	cps
Strontium	88-1	17284	16930	17457	17224	1.56	cps
Sulfur	34-1	182401	182182	182866	182483	0.19	cps
Terbium	159-1	7292818	7305830	7209692	7269447	0.72	cps
Terbium	159-2	5243026	5245242	5218072	5235447	0.29	cps
Thallium	203-1	5835	5878	5878	5864	0.43	cps
Thallium	205-1	14515	13931	14011	14152	2.24	cps
Tin	118-1	25092	25142	24408	24881	1.65	cps
Titanium	47-1	4334	4274	4441	4350	1.94	cps

Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P7
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 10:54:13	DataFile Name :	015LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	15362	15135	14852	15117	1.69	cps
Vanadium	51-2	13286	13456	13516	13419	0.89	cps
Yttrium	89-1	9736027	9705493	9535284	9658935	1.12	cps
Yttrium	89-2	2803015	2810269	2742062	2785115	1.35	cps
Zinc	66-2	4401	3937	4057	4132	5.82	cps
Zirconium	90-1	11218	11675	11801	11565	2.66	cps
Zirconium	91-1	2387	2380	2587	2451	4.79	cps

Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P7
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 11:04:05	DataFile Name :	018CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	360	253	317	310	17.30	cps
Antimony	121-1	110	117	97	108	9.45	cps
Arsenic	75-2	10	3	7	7	50.03	cps
Barium	135-1	37	37	27	33	17.32	cps
Barium	137-1	37	60	53	50	24.03	cps
Beryllium	9-1	0	3	7	3	97.98	cps
Bismuth	209-1	4524008	4543697	4397138	4488281	1.77	cps
Bismuth	209-2	3845579	3780978	3902354	3842970	1.58	cps
Bromine	81-1	10017	10444	9877	10112	2.92	cps
Bromine	81-2	157	187	170	171	8.78	cps
Cadmium	108-1	7	3	3	4	43.40	cps
Cadmium	106-1	2247	2287	2247	2260	1.02	cps
Cadmium	111-1	1578	1615	1584	1592	1.25	cps
Calcium	43-1	273	273	293	280	4.12	cps
Calcium	44-1	27779	27622	27358	27587	0.77	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2037	2030	1987	2018	1.35	cps
Cobalt	59-2	123	63	100	96	31.66	cps
Copper	63-2	1273	1063	1150	1162	9.08	cps
Dysprosium	156-1	10	0	0	3	173.21	cps
Dysprosium	156-2	20	7	0	9	114.55	cps
Erbium	164-1	80	53	57	63	22.94	cps
Erbium	164-2	30	47	27	34	31.11	cps
Gadolinium	160-1	53	57	40	50	17.64	cps
Gadolinium	160-2	317	297	280	298	6.16	cps
Holmium	165-1	7215098	6891408	6975781	7027429	2.39	cps
Holmium	165-2	5336515	5261998	5264934	5287816	0.80	cps
Indium	115-1	6141738	6085999	6015462	6081066	1.04	cps
Indium	115-2	2435464	2360411	2393587	2396488	1.57	cps
Iron	56-2	21328	21352	20791	21157	1.50	cps
Iron	57-2	1540	1550	1543	1545	0.33	cps
Iron	54-2	2757	2740	2847	2781	2.06	cps
Krypton	83-1	540	497	443	493	9.82	cps

Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P7
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 11:04:05	DataFile Name :	018CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	473	527	447	482	8.45	cps
Lead	207-1	433	450	373	419	9.63	cps
Lead	208-1	2037	1980	1917	1978	3.04	cps
Lithium	6-1	456457	453041	443283	450927	1.52	cps
Magnesium	24-2	190	217	207	204	6.59	cps
Manganese	55-2	713	833	853	800	9.46	cps
Molybdenum	94-1	350	203	300	284	26.21	cps
Molybdenum	95-1	180	163	197	180	9.26	cps
Molybdenum	96-1	287	267	207	253	16.43	cps
Molybdenum	97-1	203	160	197	187	12.50	cps
Molybdenum	98-1	377	303	343	341	10.76	cps
Neodymium	150-1	10	17	3	10	66.70	cps
Neodymium	150-2	17	7	0	8	107.84	cps
Nickel	60-2	450	483	453	462	3.97	cps
Phosphorus	31-2	957	833	903	898	6.89	cps
Potassium	39-2	75013	74508	75724	75082	0.81	cps
Rhodium	103-1	6139381	6123257	6087729	6116789	0.43	cps
Rhodium	103-2	3931361	3877077	3899534	3902657	0.70	cps
Scandium	45-1	3966004	3798859	3842639	3869167	2.24	cps
Scandium	45-2	399286	405094	405442	403274	0.86	cps
Selenium	82-1	235	302	310	282	14.50	cps
Selenium	77-2	0	3	0	1	173.21	cps
Selenium	78-2	527	427	507	487	10.87	cps
Silicon	28-1	631451	634308	642437	636065	0.90	cps
Silver	107-1	150	157	120	142	13.73	cps
Silver	109-1	127	167	120	138	18.32	cps
Sodium	23-2	31676	31790	31506	31657	0.45	cps
Strontium	86-1	780	793	900	824	7.98	cps
Strontium	88-1	127	107	113	116	8.81	cps
Sulfur	34-1	181342	182583	183632	182519	0.63	cps
Terbium	159-1	7402269	7264671	7306675	7324538	0.96	cps
Terbium	159-2	5258348	5212007	5094913	5188423	1.62	cps
Thallium	203-1	553	607	647	602	7.78	cps
Thallium	205-1	1413	1457	1400	1423	2.08	cps
Tin	118-1	913	870	947	910	4.22	cps
Titanium	47-1	87	77	80	81	6.28	cps

Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P7
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 11:04:05	DataFile Name :	018CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	20	7	10	12	56.76	cps
Vanadium	51-2	27	23	27	26	7.55	cps
Yttrium	89-1	9749003	9526318	9532969	9602764	1.32	cps
Yttrium	89-2	2816611	2815535	2786762	2806302	0.60	cps
Zinc	66-2	837	863	780	827	5.15	cps
Zirconium	90-1	437	460	450	449	2.61	cps
Zirconium	91-1	80	87	80	82	4.68	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P7
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 11:11:12	DataFile Name :	019ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	16184176	16388282	16098192	16223550	0.92	cps
Antimony	121-1	6278	6715	6355	6449	3.62	cps
Arsenic	75-2	167	157	147	157	6.38	cps
Barium	135-1	2060	2127	1837	2008	7.57	cps
Barium	137-1	3377	3437	3517	3444	2.04	cps
Beryllium	9-1	244	254	228	242	5.54	cps
Bismuth	209-1	4449751	4476869	4425380	4450667	0.58	cps
Bismuth	209-2	3848222	3801041	3909347	3852870	1.41	cps
Bromine	81-1	11061	11231	11124	11139	0.77	cps
Bromine	81-2	367	330	373	357	6.54	cps
Cadmium	108-1	903	810	727	813	10.87	cps
Cadmium	106-1	2197	2430	2197	2275	5.92	cps
Cadmium	111-1	1955	2224	2096	2092	6.42	cps
Calcium	43-1	1697753	1723040	1696618	1705804	0.88	cps
Calcium	44-1	27424212	27879631	27765640	27689828	0.86	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	64929	65428	66248	65535	1.02	cps
Cobalt	59-2	6275	6328	6445	6349	1.37	cps
Copper	63-2	29322	28828	28828	28993	0.98	cps
Dysprosium	156-1	17	23	30	23	28.56	cps
Dysprosium	156-2	27	20	37	28	30.20	cps
Erbium	164-1	87	57	93	79	24.75	cps
Erbium	164-2	43	57	50	50	13.34	cps
Gadolinium	160-1	63	47	67	59	18.19	cps
Gadolinium	160-2	340	363	303	336	9.01	cps
Holmium	165-1	7508344	7243254	7242491	7331363	2.09	cps
Holmium	165-2	5428018	5449730	5440370	5439373	0.20	cps
Indium	115-1	6167696	6063303	6061742	6097580	1.00	cps
Indium	115-2	2418400	2369945	2338422	2375589	1.70	cps
Iron	56-2	286574016	284007516	290727616	287103049	1.18	cps
Iron	57-2	7177140	7114087	7020733	7103986	1.11	cps
Iron	54-2	16156541	15805607	16018011	15993386	1.11	cps
Krypton	83-1	513	540	463	506	7.70	cps

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LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P7
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 11:11:12	DataFile Name :	019ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	19951	20452	20689	20364	1.85	cps
Lead	207-1	15693	16380	16841	16304	3.54	cps
Lead	208-1	73056	77660	78121	76279	3.67	cps
Lithium	6-1	446105	440534	438046	441561	0.93	cps
Magnesium	24-2	28462581	28284365	28666975	28471307	0.67	cps
Manganese	55-2	20855	19853	20474	20394	2.48	cps
Molybdenum	94-1	3501335	3559236	3543369	3534647	0.85	cps
Molybdenum	95-1	6290236	6149184	6165852	6201757	1.24	cps
Molybdenum	96-1	6727213	6541987	6490568	6586590	1.89	cps
Molybdenum	97-1	3893829	3850272	3777501	3840534	1.53	cps
Molybdenum	98-1	10071035	10088454	9924131	10027873	0.90	cps
Neodymium	150-1	23	20	13	19	26.96	cps
Neodymium	150-2	23	27	13	21	32.88	cps
Nickel	60-2	7479	7499	7195	7391	2.30	cps
Phosphorus	31-2	972370	954278	947898	958182	1.32	cps
Potassium	39-2	35298147	35011867	35016994	35109003	0.47	cps
Rhodium	103-1	6260021	6010531	5955843	6075465	2.67	cps
Rhodium	103-2	3987821	3889516	3871602	3916313	1.60	cps
Scandium	45-1	3927339	3876945	3850318	3884868	1.01	cps
Scandium	45-2	407422	402879	406948	405750	0.62	cps
Selenium	82-1	327	318	400	348	12.82	cps
Selenium	77-2	0	0	3	1	173.21	cps
Selenium	78-2	433	443	440	439	1.16	cps
Silicon	28-1	669703	679746	668872	672774	0.90	cps
Silver	107-1	403	370	357	377	6.38	cps
Silver	109-1	350	383	280	338	15.61	cps
Sodium	23-2	47579989	48194168	47298731	47690963	0.96	cps
Strontium	86-1	66975	67859	66925	67253	0.78	cps
Strontium	88-1	582450	579959	572717	578376	0.87	cps
Sulfur	34-1	2770641	2720180	2762609	2751143	0.99	cps
Terbium	159-1	7567807	7384731	7577702	7510080	1.45	cps
Terbium	159-2	5387741	5277313	5339559	5334871	1.04	cps
Thallium	203-1	673	690	867	743	14.41	cps
Thallium	205-1	1350	1750	2004	1701	19.36	cps
Tin	118-1	2460	3180	3490	3044	17.37	cps
Titanium	47-1	1677973	1687131	1708153	1691086	0.92	cps

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LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P7
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 11:11:12	DataFile Name :	019ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	223	253	280	252	11.24	cps
Vanadium	51-2	647	490	637	591	14.84	cps
Yttrium	89-1	9942296	9594689	9653164	9730050	1.91	cps
Yttrium	89-2	2889236	2835342	2829277	2851285	1.16	cps
Zinc	66-2	7715	7632	7835	7728	1.32	cps
Zirconium	90-1	617	553	640	603	7.43	cps
Zirconium	91-1	130	147	140	139	6.04	cps

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P7
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 11:14:29	DataFile Name :	020ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	16392763	16037306	16107969	16179346	1.16	cps
Antimony	121-1	124054	125822	125032	124969	0.71	cps
Arsenic	75-2	8279	8359	8476	8371	1.18	cps
Barium	135-1	30797	30523	31041	30787	0.84	cps
Barium	137-1	53450	52152	53049	52884	1.26	cps
Beryllium	9-1	15245	14985	15188	15140	0.90	cps
Bismuth	209-1	4669151	4594686	4425901	4563246	2.73	cps
Bismuth	209-2	3900252	3819834	3775630	3831905	1.65	cps
Bromine	81-1	11975	12295	12459	12243	2.01	cps
Bromine	81-2	473	453	470	466	2.30	cps
Cadmium	108-1	3067	3084	2980	3044	1.82	cps
Cadmium	106-1	5344	5668	5121	5378	5.11	cps
Cadmium	111-1	35046	35836	35559	35480	1.13	cps
Calcium	43-1	1686938	1686096	1723818	1698951	1.27	cps
Calcium	44-1	27828329	27341732	27427736	27532599	0.94	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	132423	131660	133640	132575	0.75	cps
Cobalt	59-2	110309	109091	108285	109228	0.93	cps
Copper	63-2	101398	101804	102706	101970	0.66	cps
Dysprosium	156-1	23	37	20	27	33.08	cps
Dysprosium	156-2	20	33	10	21	55.45	cps
Erbium	164-1	67	73	57	66	12.79	cps
Erbium	164-2	63	73	37	58	32.80	cps
Gadolinium	160-1	77	60	107	81	29.16	cps
Gadolinium	160-2	303	380	347	343	11.20	cps
Holmium	165-1	7729856	7546031	7596720	7624202	1.25	cps
Holmium	165-2	5618457	5419573	5461511	5499847	1.91	cps
Indium	115-1	6426842	6258920	6287881	6324548	1.42	cps
Indium	115-2	2444100	2422807	2361941	2409616	1.77	cps
Iron	56-2	297561349	288211829	293799569	293190916	1.60	cps
Iron	57-2	7189668	7166866	7402611	7253048	1.79	cps
Iron	54-2	15996636	15767103	16267884	16010541	1.57	cps
Krypton	83-1	440	530	533	501	10.57	cps

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LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P7
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 11:14:29	DataFile Name :	020ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	108295	108182	108971	108483	0.39	cps
Lead	207-1	88964	87589	89236	88596	1.00	cps
Lead	208-1	408809	404926	405608	406448	0.51	cps
Lithium	6-1	454729	448117	422829	441892	3.81	cps
Magnesium	24-2	28509104	28005472	28303014	28272530	0.90	cps
Manganese	55-2	70052	69995	69302	69783	0.60	cps
Molybdenum	94-1	3709792	3724370	3717105	3717089	0.20	cps
Molybdenum	95-1	6447301	6487129	6423536	6452655	0.50	cps
Molybdenum	96-1	6726868	6759348	6696736	6727651	0.47	cps
Molybdenum	97-1	3952174	3948021	3961840	3954012	0.18	cps
Molybdenum	98-1	10305334	10210428	10276443	10264068	0.47	cps
Neodymium	150-1	27	20	23	23	14.29	cps
Neodymium	150-2	20	20	20	20	0.00	cps
Nickel	60-2	33321	33785	34122	33743	1.19	cps
Phosphorus	31-2	975156	969706	965190	970017	0.51	cps
Potassium	39-2	35022975	34880498	35304656	35069376	0.62	cps
Rhodium	103-1	6238932	6101923	6187139	6175998	1.12	cps
Rhodium	103-2	3976276	3977785	3922220	3958760	0.80	cps
Scandium	45-1	3931488	3961828	3748549	3880621	2.97	cps
Scandium	45-2	412352	407846	408729	409642	0.58	cps
Selenium	82-1	2934	2863	2786	2861	2.60	cps
Selenium	77-2	317	280	370	322	14.04	cps
Selenium	78-2	1443	1460	1430	1445	1.04	cps
Silicon	28-1	672908	680118	677906	676977	0.55	cps
Silver	107-1	160596	164112	162132	162280	1.09	cps
Silver	109-1	150383	150895	154640	151972	1.53	cps
Sodium	23-2	48302613	47406023	47393384	47700673	1.09	cps
Strontium	86-1	68020	69192	69403	68871	1.08	cps
Strontium	88-1	601457	601099	604382	602313	0.30	cps
Sulfur	34-1	2779505	2704990	2678235	2720910	1.93	cps
Terbium	159-1	7657542	7515269	7781883	7651565	1.74	cps
Terbium	159-2	5480105	5396003	5404678	5426928	0.85	cps
Thallium	203-1	109804	107688	109848	109114	1.13	cps
Thallium	205-1	255699	259839	254755	256764	1.05	cps
Tin	118-1	3164	3347	3984	3498	12.31	cps
Titanium	47-1	1689810	1739590	1676646	1702016	1.95	cps

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LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P7
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 11:14:29	DataFile Name :	020ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	307	273	223	268	15.66	cps
Vanadium	51-2	56124	56887	56850	56620	0.76	cps
Yttrium	89-1	10036244	9945182	10020937	10000788	0.49	cps
Yttrium	89-2	2900207	2898121	2871826	2890051	0.55	cps
Zinc	66-2	20805	21265	20634	20901	1.56	cps
Zirconium	90-1	583	573	550	569	3.01	cps
Zirconium	91-1	103	90	137	110	21.85	cps

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LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	CCV01	Instrumnet Name :	P7
Client Sample ID :	CCV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 11:17:34	DataFile Name :	021CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	9061608	9293359	9007408	9120792	1.67	cps
Antimony	121-1	2985894	3008755	3019357	3004668	0.57	cps
Arsenic	75-2	206989	207799	207367	207385	0.20	cps
Barium	135-1	3627145	3727727	3667717	3674197	1.38	cps
Barium	137-1	6236199	6340651	6314008	6296953	0.86	cps
Beryllium	9-1	390115	390056	388293	389488	0.27	cps
Bismuth	209-1	4442196	4361217	4261715	4355043	2.08	cps
Bismuth	209-2	3709031	3662267	3619873	3663724	1.22	cps
Bromine	81-1	10891	10887	11378	11052	2.55	cps
Bromine	81-2	193	177	163	178	8.45	cps
Cadmium	108-1	59007	59810	59934	59583	0.84	cps
Cadmium	106-1	84970	84964	85457	85130	0.33	cps
Cadmium	111-1	818926	829953	823381	824087	0.67	cps
Calcium	43-1	4345375	4470608	4410416	4408799	1.42	cps
Calcium	44-1	70776161	72961961	72008964	71915695	1.52	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1680538	1637547	1647342	1655142	1.36	cps
Cobalt	59-2	2530768	2543949	2545101	2539940	0.31	cps
Copper	63-2	19437726	19125192	19359963	19307627	0.84	cps
Dysprosium	156-1	200	147	157	168	16.90	cps
Dysprosium	156-2	240	280	280	267	8.66	cps
Erbium	164-1	380	413	347	380	8.77	cps
Erbium	164-2	293	293	283	290	1.99	cps
Gadolinium	160-1	207	220	213	213	3.12	cps
Gadolinium	160-2	427	423	360	403	9.31	cps
Holmium	165-1	7345069	7233265	7280922	7286419	0.77	cps
Holmium	165-2	5409298	5369494	5335658	5371483	0.69	cps
Indium	115-1	6141044	6024991	5998434	6054823	1.25	cps
Indium	115-2	2345425	2327237	2317099	2329920	0.62	cps
Iron	56-2	382664621	380505154	385270008	382813261	0.62	cps
Iron	57-2	9492099	9442186	9358708	9430998	0.71	cps
Iron	54-2	21222622	21364635	21187373	21258210	0.44	cps
Krypton	83-1	497	463	530	497	6.71	cps

Reviewed By:Janvi
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LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	CCV01	Instrumnet Name :	P7
Client Sample ID :	CCV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 11:17:34	DataFile Name :	021CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	11389999	11480511	11563566	11478025	0.76	cps
Lead	207-1	9660713	9941533	9862051	9821432	1.47	cps
Lead	208-1	44330625	44652825	44642883	44542111	0.41	cps
Lithium	6-1	430381	423821	418408	424203	1.41	cps
Magnesium	24-2	79902764	80172117	79644705	79906529	0.33	cps
Manganese	55-2	13898129	13674951	13952329	13841803	1.06	cps
Molybdenum	94-1	11681993	11636988	11689877	11669619	0.24	cps
Molybdenum	95-1	16710113	16977761	16873439	16853771	0.80	cps
Molybdenum	96-1	18292881	18256413	18062522	18203939	0.68	cps
Molybdenum	97-1	10476994	10709782	10430170	10538982	1.42	cps
Molybdenum	98-1	26793713	26874125	26808423	26825420	0.16	cps
Neodymium	150-1	173	180	177	177	1.88	cps
Neodymium	150-2	40	73	67	60	29.40	cps
Nickel	60-2	652998	646410	639724	646377	1.03	cps
Phosphorus	31-2	101749	100609	102062	101473	0.75	cps
Potassium	39-2	46281173	46301106	46370628	46317635	0.10	cps
Rhodium	103-1	5965826	6021374	5982126	5989775	0.48	cps
Rhodium	103-2	3755718	3791545	3782035	3776433	0.49	cps
Scandium	45-1	3917095	3820427	3853303	3863608	1.27	cps
Scandium	45-2	411257	409953	405286	408832	0.77	cps
Selenium	82-1	60987	61200	61642	61276	0.54	cps
Selenium	77-2	7122	7329	7219	7223	1.43	cps
Selenium	78-2	24674	24303	24160	24379	1.09	cps
Silicon	28-1	5050708	6112402	5138539	5433883	10.84	cps
Silver	107-1	4102953	4136062	4130203	4123073	0.43	cps
Silver	109-1	3920181	3925004	3860915	3902033	0.91	cps
Sodium	23-2	121938762	122092002	120445245	121492003	0.75	cps
Strontium	86-1	1068694	1078639	1081259	1076197	0.62	cps
Strontium	88-1	9572587	9499548	9428707	9500281	0.76	cps
Sulfur	34-1	415877	422517	422918	420437	0.94	cps
Terbium	159-1	7614637	7495947	7521672	7544085	0.83	cps
Terbium	159-2	5252077	5269333	5211106	5244172	0.57	cps
Thallium	203-1	2780162	2765961	2850669	2798930	1.62	cps
Thallium	205-1	6693718	6602459	6716811	6670996	0.91	cps
Tin	118-1	2577582	2525888	2531767	2545079	1.11	cps
Titanium	47-1	4260771	4368646	4373052	4334156	1.47	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	CCV01	Instrumnet Name :	P7
Client Sample ID :	CCV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 11:17:34	DataFile Name :	021CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8462886	8475345	8395041	8444424	0.51	cps
Vanadium	51-2	1443247	1413592	1398419	1418419	1.61	cps
Yttrium	89-1	9991577	9664624	9771272	9809158	1.70	cps
Yttrium	89-2	2847910	2853437	2846476	2849274	0.13	cps
Zinc	66-2	3395898	3376285	3382478	3384887	0.30	cps
Zirconium	90-1	5672099	5751506	5737122	5720242	0.74	cps
Zirconium	91-1	1263871	1284209	1283320	1277133	0.90	cps

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	CCB01	Instrumnet Name :	P7
Client Sample ID :	CCB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 11:20:32	DataFile Name :	022CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	483	497	417	466	9.21	cps
Antimony	121-1	597	607	607	603	0.96	cps
Arsenic	75-2	13	27	7	16	65.47	cps
Barium	135-1	60	73	47	60	22.22	cps
Barium	137-1	110	90	73	91	20.15	cps
Beryllium	9-1	17	7	0	8	102.46	cps
Bismuth	209-1	4646508	4612563	4543842	4600971	1.14	cps
Bismuth	209-2	4013719	3888243	3939566	3947176	1.60	cps
Bromine	81-1	10834	10510	11064	10803	2.58	cps
Bromine	81-2	237	200	207	214	9.11	cps
Cadmium	108-1	20	20	20	20	0.00	cps
Cadmium	106-1	2510	2324	2424	2419	3.86	cps
Cadmium	111-1	1793	1719	1732	1748	2.26	cps
Calcium	43-1	347	350	353	350	0.95	cps
Calcium	44-1	28961	27826	28985	28591	2.32	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2227	2030	2070	2109	4.93	cps
Cobalt	59-2	107	113	127	116	8.81	cps
Copper	63-2	2300	2214	2007	2174	6.93	cps
Dysprosium	156-1	13	3	13	10	57.75	cps
Dysprosium	156-2	7	7	3	6	34.70	cps
Erbium	164-1	70	40	37	49	37.55	cps
Erbium	164-2	27	43	27	32	29.85	cps
Gadolinium	160-1	50	33	30	38	28.37	cps
Gadolinium	160-2	307	317	307	310	1.86	cps
Holmium	165-1	7332850	7333498	7124338	7263562	1.66	cps
Holmium	165-2	5478992	5422146	5448777	5449972	0.52	cps
Indium	115-1	6356260	6387561	6260410	6334744	1.05	cps
Indium	115-2	2497113	2472852	2490072	2486679	0.50	cps
Iron	56-2	27829	27579	27869	27759	0.57	cps
Iron	57-2	1680	1737	1717	1711	1.68	cps
Iron	54-2	3034	3267	3047	3116	4.21	cps
Krypton	83-1	523	473	553	517	7.82	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	CCB01	Instrumnet Name :	P7
Client Sample ID :	CCB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 11:20:32	DataFile Name :	022CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	783	787	750	773	2.62	cps
Lead	207-1	630	647	617	631	2.38	cps
Lead	208-1	2980	2967	2797	2915	3.51	cps
Lithium	6-1	436413	429884	430314	432204	0.84	cps
Magnesium	24-2	1343	1187	1187	1239	7.30	cps
Manganese	55-2	940	1020	1020	993	4.65	cps
Molybdenum	94-1	770	633	597	667	13.70	cps
Molybdenum	95-1	873	663	737	758	14.07	cps
Molybdenum	96-1	977	853	787	872	11.05	cps
Molybdenum	97-1	540	507	440	496	10.28	cps
Molybdenum	98-1	1287	1170	1183	1213	5.26	cps
Neodymium	150-1	0	3	3	2	86.60	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	437	453	483	458	5.17	cps
Phosphorus	31-2	857	893	850	867	2.69	cps
Potassium	39-2	83601	84499	83319	83807	0.74	cps
Rhodium	103-1	6354501	6392521	6285759	6344260	0.85	cps
Rhodium	103-2	4038227	4060755	4019173	4039385	0.52	cps
Scandium	45-1	3951724	3893313	3848314	3897784	1.33	cps
Scandium	45-2	407637	406369	405741	406583	0.24	cps
Selenium	82-1	301	390	242	311	23.93	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	537	553	437	509	12.40	cps
Silicon	28-1	634569	631845	636895	634436	0.40	cps
Silver	107-1	503	407	427	446	11.45	cps
Silver	109-1	397	433	303	378	17.74	cps
Sodium	23-2	55185	54466	53596	54416	1.46	cps
Strontium	86-1	863	897	793	851	6.20	cps
Strontium	88-1	237	193	253	228	13.60	cps
Sulfur	34-1	164733	164252	166637	165207	0.76	cps
Terbium	159-1	7624758	7334634	7294883	7418092	2.43	cps
Terbium	159-2	5328424	5382821	5332630	5347959	0.57	cps
Thallium	203-1	887	980	743	870	13.70	cps
Thallium	205-1	2030	1947	1917	1965	2.99	cps
Tin	118-1	1380	1330	1350	1353	1.86	cps
Titanium	47-1	137	170	87	131	31.99	cps

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	CCB01	Instrumnet Name :	P7
Client Sample ID :	CCB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 11:20:32	DataFile Name :	022CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	167	103	117	129	25.91	cps
Vanadium	51-2	23	27	23	24	7.89	cps
Yttrium	89-1	9965135	10031484	9995196	9997272	0.33	cps
Yttrium	89-2	2876227	2864001	2837917	2859382	0.68	cps
Zinc	66-2	870	883	843	866	2.35	cps
Zirconium	90-1	650	540	567	586	9.80	cps
Zirconium	91-1	140	150	93	128	23.67	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P7
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 11:23:51	DataFile Name :	023LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3954	3937	3674	3855	4.08	cps
Antimony	121-1	12245	11938	11675	11953	2.39	cps
Arsenic	75-2	460	393	373	409	11.10	cps
Barium	135-1	13660	13366	13537	13521	1.09	cps
Barium	137-1	23403	23316	23413	23377	0.23	cps
Beryllium	9-1	937	895	797	876	8.19	cps
Bismuth	209-1	4650004	4560825	4519513	4576781	1.46	cps
Bismuth	209-2	4000899	3916839	3882687	3933475	1.55	cps
Bromine	81-1	10594	11054	11268	10972	3.14	cps
Bromine	81-2	180	140	153	158	12.91	cps
Cadmium	108-1	153	133	130	139	9.09	cps
Cadmium	106-1	2560	2594	2640	2598	1.55	cps
Cadmium	111-1	3312	3146	3174	3210	2.77	cps
Calcium	43-1	9103	9393	9330	9275	1.64	cps
Calcium	44-1	170565	170574	170922	170687	0.12	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	8449	8449	8332	8410	0.80	cps
Cobalt	59-2	5318	5304	5401	5341	0.98	cps
Copper	63-2	8656	8396	8713	8588	1.97	cps
Dysprosium	156-1	7	7	3	6	34.70	cps
Dysprosium	156-2	17	3	13	11	62.48	cps
Erbium	164-1	53	43	53	50	11.55	cps
Erbium	164-2	43	43	47	44	4.34	cps
Gadolinium	160-1	63	50	60	58	12.01	cps
Gadolinium	160-2	340	300	343	328	7.36	cps
Holmium	165-1	7267101	7213172	7182004	7220759	0.60	cps
Holmium	165-2	5551889	5309522	5363375	5408262	2.35	cps
Indium	115-1	6436939	6311316	6306539	6351598	1.16	cps
Indium	115-2	2465617	2470806	2484763	2473729	0.40	cps
Iron	56-2	178418	178893	176108	177806	0.84	cps
Iron	57-2	5604	5841	5514	5653	2.99	cps
Iron	54-2	11908	12162	11461	11844	2.99	cps
Krypton	83-1	510	463	490	488	4.80	cps

Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P7
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 11:23:51	DataFile Name :	023LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4454	4271	4174	4300	3.31	cps
Lead	207-1	3531	3527	3574	3544	0.73	cps
Lead	208-1	17024	16504	16397	16642	2.02	cps
Lithium	6-1	446087	436670	432698	438485	1.57	cps
Magnesium	24-2	151745	148315	148888	149649	1.23	cps
Manganese	55-2	3480	3560	3484	3508	1.29	cps
Molybdenum	94-1	13790	13600	14150	13847	2.02	cps
Molybdenum	95-1	16616	16500	16556	16557	0.35	cps
Molybdenum	96-1	17781	18348	18048	18059	1.57	cps
Molybdenum	97-1	10317	10200	9977	10165	1.70	cps
Molybdenum	98-1	26477	26678	25883	26346	1.57	cps
Neodymium	150-1	13	17	7	12	41.65	cps
Neodymium	150-2	3	3	0	2	86.60	cps
Nickel	60-2	1590	1763	1597	1650	5.95	cps
Phosphorus	31-2	3344	3050	3074	3156	5.17	cps
Potassium	39-2	260921	263473	258365	260920	0.98	cps
Rhodium	103-1	6321025	6265811	6270653	6285830	0.49	cps
Rhodium	103-2	4032402	4065194	3936256	4011284	1.67	cps
Scandium	45-1	3990613	3903614	3946707	3946978	1.10	cps
Scandium	45-2	412391	410693	398745	407276	1.83	cps
Selenium	82-1	931	1045	892	956	8.36	cps
Selenium	77-2	43	67	40	50	29.06	cps
Selenium	78-2	713	840	783	779	8.15	cps
Silicon	28-1	639035	644523	643299	642286	0.45	cps
Silver	107-1	8526	8930	9040	8832	3.06	cps
Silver	109-1	8326	8389	8326	8347	0.44	cps
Sodium	23-2	280977	274341	272075	275798	1.68	cps
Strontium	86-1	2660	2804	2894	2786	4.22	cps
Strontium	88-1	17627	17734	17390	17584	1.00	cps
Sulfur	34-1	176476	176364	177383	176741	0.32	cps
Terbium	159-1	7621603	7397237	7490089	7502976	1.50	cps
Terbium	159-2	5468632	5364739	5319336	5384236	1.42	cps
Thallium	203-1	5941	6081	6048	6024	1.21	cps
Thallium	205-1	14161	14278	13714	14051	2.12	cps
Tin	118-1	26451	25536	26017	26001	1.76	cps
Titanium	47-1	4067	4181	4311	4186	2.91	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P7
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 11:23:51	DataFile Name :	023LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	15820	15416	15062	15432	2.46	cps
Vanadium	51-2	14060	13740	13473	13757	2.14	cps
Yttrium	89-1	9955110	9814374	9869589	9879691	0.72	cps
Yttrium	89-2	2859224	2853111	2858572	2856969	0.12	cps
Zinc	66-2	4144	4217	3904	4088	4.01	cps
Zirconium	90-1	11538	11728	11651	11639	0.82	cps
Zirconium	91-1	2617	2674	2590	2627	1.62	cps

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On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	PB169128BL	Instrumnet Name :	P7
Client Sample ID :	PB169128BL	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 11:28:01	DataFile Name :	024CCBD.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	333	317	340	330	3.64	cps
Antimony	121-1	113	120	127	120	5.56	cps
Arsenic	75-2	7	0	7	4	86.60	cps
Barium	135-1	23	27	23	24	7.89	cps
Barium	137-1	50	27	27	34	39.10	cps
Beryllium	9-1	7	0	0	2	167.92	cps
Bismuth	209-1	4615644	4521969	4441780	4526464	1.92	cps
Bismuth	209-2	4002938	3943458	3917151	3954516	1.11	cps
Bromine	81-1	10424	10474	10457	10452	0.24	cps
Bromine	81-2	160	193	170	174	9.81	cps
Cadmium	108-1	7	17	7	10	57.72	cps
Cadmium	106-1	2404	2294	2310	2336	2.54	cps
Cadmium	111-1	1701	1614	1642	1652	2.69	cps
Calcium	43-1	303	247	253	268	11.57	cps
Calcium	44-1	26353	27933	27685	27324	3.11	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1880	1920	1793	1865	3.47	cps
Cobalt	59-2	87	113	107	102	13.57	cps
Copper	63-2	1407	1143	1187	1246	11.34	cps
Dysprosium	156-1	10	10	3	8	49.52	cps
Dysprosium	156-2	3	13	7	8	65.47	cps
Erbium	164-1	47	77	40	54	35.88	cps
Erbium	164-2	37	30	53	40	30.04	cps
Gadolinium	160-1	47	20	40	36	39.03	cps
Gadolinium	160-2	300	297	407	334	18.71	cps
Holmium	165-1	7195024	7375932	7103217	7224724	1.92	cps
Holmium	165-2	5424224	5273626	5394905	5364252	1.49	cps
Indium	115-1	6270373	6247960	6135956	6218096	1.16	cps
Indium	115-2	2432348	2438421	2429647	2433472	0.18	cps
Iron	56-2	22841	21839	21743	22141	2.75	cps
Iron	57-2	1587	1493	1580	1553	3.35	cps
Iron	54-2	2897	2660	2944	2834	5.36	cps
Krypton	83-1	477	497	503	492	2.82	cps

Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	PB169128BL	Instrumnet Name :	P7
Client Sample ID :	PB169128BL	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 11:28:01	DataFile Name :	024CCBD.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	550	573	647	590	8.55	cps
Lead	207-1	477	497	490	488	2.09	cps
Lead	208-1	2263	2327	2330	2307	1.63	cps
Lithium	6-1	441962	429109	427360	432811	1.84	cps
Magnesium	24-2	237	417	303	319	28.54	cps
Manganese	55-2	770	813	773	786	3.07	cps
Molybdenum	94-1	360	353	397	370	6.31	cps
Molybdenum	95-1	307	267	323	299	9.74	cps
Molybdenum	96-1	370	317	333	340	8.03	cps
Molybdenum	97-1	240	180	263	228	18.87	cps
Molybdenum	98-1	440	420	500	453	9.18	cps
Neodymium	150-1	10	3	3	6	69.34	cps
Neodymium	150-2	10	7	10	9	21.63	cps
Nickel	60-2	507	500	427	478	9.29	cps
Phosphorus	31-2	867	763	833	821	6.42	cps
Potassium	39-2	77904	77727	78709	78113	0.67	cps
Rhodium	103-1	6365221	6287356	6217176	6289918	1.18	cps
Rhodium	103-2	4088178	3858654	3970030	3972287	2.89	cps
Scandium	45-1	3879846	3872517	3876076	3876146	0.09	cps
Scandium	45-2	403567	396129	401684	400460	0.97	cps
Selenium	82-1	274	298	308	293	5.95	cps
Selenium	77-2	0	7	0	2	173.21	cps
Selenium	78-2	477	553	527	519	7.50	cps
Silicon	28-1	615901	624222	614212	618112	0.87	cps
Silver	107-1	227	143	117	162	35.37	cps
Silver	109-1	130	117	127	124	5.57	cps
Sodium	23-2	39146	38752	38749	38882	0.59	cps
Strontium	86-1	803	787	753	781	3.26	cps
Strontium	88-1	87	110	143	113	25.13	cps
Sulfur	34-1	172615	173573	177065	174418	1.34	cps
Terbium	159-1	7450977	7348642	7326128	7375249	0.90	cps
Terbium	159-2	5391816	5287190	5334733	5337913	0.98	cps
Thallium	203-1	630	593	610	611	3.00	cps
Thallium	205-1	1347	1607	1410	1455	9.32	cps
Tin	118-1	1230	1117	927	1091	14.05	cps
Titanium	47-1	103	73	103	93	18.56	cps

Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	PB169128BL	Instrumnet Name :	P7
Client Sample ID :	PB169128BL	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 11:28:01	DataFile Name :	024CCBD.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	17	17	17	17	0.00	cps
Vanadium	51-2	40	3	23	22	82.63	cps
Yttrium	89-1	9787297	9695777	9720426	9734500	0.49	cps
Yttrium	89-2	2876553	2807596	2848122	2844090	1.22	cps
Zinc	66-2	757	820	717	764	6.82	cps
Zirconium	90-1	397	427	440	421	5.27	cps
Zirconium	91-1	103	83	97	94	10.78	cps

Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	PB169128BS	Instrumnet Name :	P7
Client Sample ID :	PB169128BS	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 11:31:19	DataFile Name :	025LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1790617	1767084	1791639	1783113	0.78	cps
Antimony	121-1	2992870	3018883	3014821	3008858	0.47	cps
Arsenic	75-2	208537	206769	208118	207808	0.44	cps
Barium	135-1	3532570	3595897	3660789	3596419	1.78	cps
Barium	137-1	6073949	6293925	6258254	6208709	1.90	cps
Beryllium	9-1	399082	394281	398349	397237	0.65	cps
Bismuth	209-1	4470334	4365483	4477847	4437888	1.42	cps
Bismuth	209-2	3816879	3774548	3787576	3793001	0.57	cps
Bromine	81-1	10501	9917	10007	10141	3.10	cps
Bromine	81-2	130	150	120	133	11.46	cps
Cadmium	108-1	60098	60198	60452	60249	0.30	cps
Cadmium	106-1	86908	87083	85873	86621	0.76	cps
Cadmium	111-1	836936	841833	836314	838361	0.36	cps
Calcium	43-1	917035	928107	905917	917020	1.21	cps
Calcium	44-1	14536067	14522045	14276632	14444915	1.01	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1651896	1669862	1664787	1662182	0.56	cps
Cobalt	59-2	2536149	2582802	2504866	2541273	1.54	cps
Copper	63-2	20201490	19826613	19835220	19954441	1.07	cps
Dysprosium	156-1	67	77	67	70	8.25	cps
Dysprosium	156-2	200	197	167	188	9.78	cps
Erbium	164-1	133	140	107	127	13.92	cps
Erbium	164-2	97	113	133	114	16.04	cps
Gadolinium	160-1	97	87	83	89	7.81	cps
Gadolinium	160-2	370	337	323	343	7.00	cps
Holmium	165-1	7211952	7176533	7145327	7177937	0.46	cps
Holmium	165-2	5483358	5326011	5324315	5377895	1.70	cps
Indium	115-1	6123179	5978292	5954142	6018537	1.52	cps
Indium	115-2	2353390	2332159	2355376	2346975	0.55	cps
Iron	56-2	76426971	77716576	76369651	76837732	0.99	cps
Iron	57-2	1877388	1918985	1885177	1893850	1.17	cps
Iron	54-2	4295482	4337698	4377997	4337059	0.95	cps
Krypton	83-1	493	413	453	453	8.82	cps

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	PB169128BS	Instrumnet Name :	P7
Client Sample ID :	PB169128BS	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 11:31:19	DataFile Name :	025LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	11277804	11580506	11349202	11402504	1.39	cps
Lead	207-1	9542844	9794596	9948627	9762022	2.10	cps
Lead	208-1	44241812	44840050	45615841	44899234	1.53	cps
Lithium	6-1	436048	430415	430688	432383	0.73	cps
Magnesium	24-2	16161925	15345008	15857486	15788139	2.61	cps
Manganese	55-2	13802234	13800841	14055654	13886243	1.06	cps
Molybdenum	94-1	11660984	11537983	11790727	11663231	1.08	cps
Molybdenum	95-1	16507467	16551868	16464738	16508024	0.26	cps
Molybdenum	96-1	17674739	18115155	17710993	17833629	1.37	cps
Molybdenum	97-1	10162835	10426855	10352033	10313908	1.32	cps
Molybdenum	98-1	26411557	26572955	26159558	26381357	0.79	cps
Neodymium	150-1	157	107	113	126	21.62	cps
Neodymium	150-2	20	30	33	28	24.98	cps
Nickel	60-2	668750	672371	652695	664605	1.58	cps
Phosphorus	31-2	99820	102014	97965	99933	2.03	cps
Potassium	39-2	9121327	9283034	9014214	9139525	1.48	cps
Rhodium	103-1	6140399	6062569	5977652	6060207	1.34	cps
Rhodium	103-2	3923115	3699293	3888691	3837033	3.14	cps
Scandium	45-1	3848483	3785097	3778763	3804114	1.01	cps
Scandium	45-2	403329	395941	401806	400359	0.97	cps
Selenium	82-1	63372	64285	63967	63875	0.73	cps
Selenium	77-2	7372	7405	7409	7395	0.27	cps
Selenium	78-2	25870	25839	25823	25844	0.09	cps
Silicon	28-1	4133707	4190688	4117295	4147230	0.93	cps
Silver	107-1	4242135	4252858	4151576	4215523	1.32	cps
Silver	109-1	4005300	4024796	4007314	4012470	0.27	cps
Sodium	23-2	25062479	24127571	24533613	24574554	1.91	cps
Strontium	86-1	1045105	1051474	1045238	1047272	0.35	cps
Strontium	88-1	9319418	9295950	9162958	9259442	0.91	cps
Sulfur	34-1	428692	436462	430165	431773	0.96	cps
Terbium	159-1	7415093	7284631	7290884	7330203	1.00	cps
Terbium	159-2	5280468	5324331	5235290	5280030	0.84	cps
Thallium	203-1	2847170	2795321	2834302	2825598	0.96	cps
Thallium	205-1	6591248	6739610	6679742	6670200	1.12	cps
Tin	118-1	2509709	2551251	2571099	2544020	1.23	cps
Titanium	47-1	4283978	4378181	4238414	4300191	1.66	cps

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LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	PB169128BS	Instrumnet Name :	P7
Client Sample ID :	PB169128BS	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 11:31:19	DataFile Name :	025LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8385995	8262436	8324318	8324250	0.74	cps
Vanadium	51-2	1388885	1373185	1406529	1389533	1.20	cps
Yttrium	89-1	9733402	9591396	9650670	9658489	0.74	cps
Yttrium	89-2	2864098	2763482	2746512	2791364	2.28	cps
Zinc	66-2	3594896	3520420	3547362	3554226	1.06	cps
Zirconium	90-1	5509412	5671054	5621652	5600706	1.48	cps
Zirconium	91-1	1230570	1249450	1232886	1237635	0.83	cps

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	PB169194BL	Instrumnet Name :	P7
Client Sample ID :	PB169194BL	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 11:34:01	DataFile Name :	026CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	333	340	357	343	3.50	cps
Antimony	121-1	640	730	663	678	6.89	cps
Arsenic	75-2	20	10	20	17	34.64	cps
Barium	135-1	80	57	37	58	37.53	cps
Barium	137-1	120	90	103	104	14.39	cps
Beryllium	9-1	4	7	10	7	44.09	cps
Bismuth	209-1	4591065	4587589	4479720	4552791	1.39	cps
Bismuth	209-2	3902500	3911490	3944249	3919413	0.56	cps
Bromine	81-1	10217	10867	11094	10726	4.25	cps
Bromine	81-2	137	123	210	157	29.78	cps
Cadmium	108-1	7	0	10	6	91.64	cps
Cadmium	106-1	2257	2397	2380	2345	3.26	cps
Cadmium	111-1	1632	1738	1712	1694	3.27	cps
Calcium	43-1	253	270	240	254	5.91	cps
Calcium	44-1	26190	25235	25832	25752	1.87	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2110	2040	2017	2056	2.36	cps
Cobalt	59-2	130	117	90	112	18.15	cps
Copper	63-2	1460	1390	1360	1403	3.66	cps
Dysprosium	156-1	10	0	13	8	89.21	cps
Dysprosium	156-2	7	3	0	3	100.05	cps
Erbium	164-1	63	67	47	59	18.19	cps
Erbium	164-2	37	60	33	43	33.53	cps
Gadolinium	160-1	50	33	33	39	24.75	cps
Gadolinium	160-2	353	397	303	351	13.30	cps
Holmium	165-1	7401915	7208693	7141514	7250707	1.86	cps
Holmium	165-2	5409507	5385583	5367435	5387509	0.39	cps
Indium	115-1	6254143	6295371	6158133	6235882	1.13	cps
Indium	115-2	2453851	2434700	2395011	2427854	1.24	cps
Iron	56-2	23328	22350	22423	22701	2.40	cps
Iron	57-2	1513	1813	1500	1609	11.01	cps
Iron	54-2	2790	2844	2890	2841	1.76	cps
Krypton	83-1	560	480	503	514	8.00	cps

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LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	PB169194BL	Instrumnet Name :	P7
Client Sample ID :	PB169194BL	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 11:34:01	DataFile Name :	026CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	763	613	610	662	13.23	cps
Lead	207-1	603	610	510	574	9.73	cps
Lead	208-1	2743	2523	2397	2555	6.87	cps
Lithium	6-1	440461	441596	443411	441823	0.34	cps
Magnesium	24-2	423	330	403	386	12.74	cps
Manganese	55-2	900	950	947	932	3.00	cps
Molybdenum	94-1	650	563	760	658	14.99	cps
Molybdenum	95-1	877	720	683	760	13.51	cps
Molybdenum	96-1	1000	850	837	896	10.13	cps
Molybdenum	97-1	497	527	467	497	6.04	cps
Molybdenum	98-1	1330	1123	1057	1170	12.18	cps
Neodymium	150-1	3	27	10	13	90.16	cps
Neodymium	150-2	3	3	10	6	69.34	cps
Nickel	60-2	517	440	447	468	9.08	cps
Phosphorus	31-2	747	847	810	801	6.32	cps
Potassium	39-2	78484	77613	78491	78196	0.65	cps
Rhodium	103-1	6284496	6228773	6113748	6209006	1.40	cps
Rhodium	103-2	4032227	4058193	3897745	3996055	2.16	cps
Scandium	45-1	3998811	3795874	3801522	3865402	2.99	cps
Scandium	45-2	401344	405408	400553	402435	0.65	cps
Selenium	82-1	202	329	256	262	24.30	cps
Selenium	77-2	0	7	0	2	173.21	cps
Selenium	78-2	457	533	543	511	9.28	cps
Silicon	28-1	647214	625113	627394	633240	1.92	cps
Silver	107-1	507	407	353	422	18.44	cps
Silver	109-1	433	313	323	357	18.67	cps
Sodium	23-2	39437	38722	38317	38825	1.46	cps
Strontium	86-1	803	773	837	804	3.94	cps
Strontium	88-1	177	187	173	179	3.88	cps
Sulfur	34-1	166567	169168	169481	168406	0.95	cps
Terbium	159-1	7610543	7373296	7343910	7442583	1.96	cps
Terbium	159-2	5475186	5396097	5314097	5395127	1.49	cps
Thallium	203-1	697	640	667	668	4.24	cps
Thallium	205-1	1673	1567	1597	1612	3.41	cps
Tin	118-1	1147	953	993	1031	9.90	cps
Titanium	47-1	127	147	117	130	11.75	cps

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	PB169194BL	Instrumnet Name :	P7
Client Sample ID :	PB169194BL	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 11:34:01	DataFile Name :	026CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	197	97	120	138	37.97	cps
Vanadium	51-2	57	17	30	34	59.13	cps
Yttrium	89-1	9915088	9662489	9801088	9792888	1.29	cps
Yttrium	89-2	2863691	2818795	2771307	2817931	1.64	cps
Zinc	66-2	977	920	713	870	15.93	cps
Zirconium	90-1	570	637	573	593	6.33	cps
Zirconium	91-1	113	107	117	112	4.54	cps

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	PB169194BS	Instrumnet Name :	P7
Client Sample ID :	PB169194BS	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 11:37:19	DataFile Name :	027LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1771743	1760821	1719014	1750526	1.59	cps
Antimony	121-1	2899987	2977642	2953998	2943876	1.35	cps
Arsenic	75-2	204685	203911	199886	202827	1.27	cps
Barium	135-1	3495960	3500897	3539663	3512173	0.68	cps
Barium	137-1	6121596	6243035	6218345	6194325	1.04	cps
Beryllium	9-1	379453	382127	382932	381504	0.48	cps
Bismuth	209-1	4626466	4550461	4524633	4567186	1.16	cps
Bismuth	209-2	3928431	3918712	3892364	3913169	0.48	cps
Bromine	81-1	10687	10707	10577	10657	0.66	cps
Bromine	81-2	150	153	173	159	7.94	cps
Cadmium	108-1	58401	59157	58364	58640	0.76	cps
Cadmium	106-1	83140	84736	85588	84488	1.47	cps
Cadmium	111-1	820481	832270	827526	826759	0.72	cps
Calcium	43-1	890354	898576	895685	894872	0.47	cps
Calcium	44-1	14057006	13976457	13942795	13992086	0.42	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1617675	1643798	1605736	1622403	1.20	cps
Cobalt	59-2	2556884	2468742	2478290	2501305	1.93	cps
Copper	63-2	19352157	19447971	19130523	19310217	0.84	cps
Dysprosium	156-1	80	90	63	78	17.32	cps
Dysprosium	156-2	203	163	153	173	15.26	cps
Erbium	164-1	97	100	107	101	5.04	cps
Erbium	164-2	77	103	97	92	15.05	cps
Gadolinium	160-1	57	67	77	67	15.00	cps
Gadolinium	160-2	337	427	367	377	12.17	cps
Holmium	165-1	7464804	7349682	7288299	7367595	1.22	cps
Holmium	165-2	5461874	5438998	5409012	5436628	0.49	cps
Indium	115-1	6208157	6197020	6224410	6209862	0.22	cps
Indium	115-2	2426411	2421210	2348893	2398838	1.81	cps
Iron	56-2	76154836	74074977	74512842	74914218	1.46	cps
Iron	57-2	1945333	1855241	1852562	1884379	2.80	cps
Iron	54-2	4240943	4201405	4114173	4185507	1.55	cps
Krypton	83-1	557	500	460	506	9.61	cps

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LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	PB169194BS	Instrumnet Name :	P7
Client Sample ID :	PB169194BS	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 11:37:19	DataFile Name :	027LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	10911536	11014582	10938567	10954895	0.49	cps
Lead	207-1	9336428	9551681	9351665	9413258	1.28	cps
Lead	208-1	42891493	43408697	43365746	43221979	0.66	cps
Lithium	6-1	443257	440937	439445	441213	0.44	cps
Magnesium	24-2	15086140	15069601	15040634	15065458	0.15	cps
Manganese	55-2	13378396	13060390	13224431	13221072	1.20	cps
Molybdenum	94-1	11145162	11184715	11222864	11184247	0.35	cps
Molybdenum	95-1	15985020	16014685	16044925	16014877	0.19	cps
Molybdenum	96-1	17106178	17445792	17317483	17289818	0.99	cps
Molybdenum	97-1	9910550	9885867	9978693	9925037	0.48	cps
Molybdenum	98-1	25520752	25711945	25747805	25660167	0.48	cps
Neodymium	150-1	110	100	110	107	5.41	cps
Neodymium	150-2	47	40	40	42	9.12	cps
Nickel	60-2	660903	650021	651634	654186	0.90	cps
Phosphorus	31-2	97909	94205	94668	95594	2.11	cps
Potassium	39-2	9067973	8908992	8862562	8946509	1.20	cps
Rhodium	103-1	6239247	6255722	6104274	6199748	1.34	cps
Rhodium	103-2	3944537	3922448	3939888	3935624	0.30	cps
Scandium	45-1	3989702	3871676	3898302	3919893	1.58	cps
Scandium	45-2	410093	409010	405945	408349	0.53	cps
Selenium	82-1	62536	62965	63061	62854	0.44	cps
Selenium	77-2	7252	7392	7389	7344	1.09	cps
Selenium	78-2	25058	26163	25205	25475	2.36	cps
Silicon	28-1	8592981	8727660	8729300	8683314	0.90	cps
Silver	107-1	4084841	4094772	4095877	4091830	0.15	cps
Silver	109-1	3900315	3930105	3896286	3908902	0.47	cps
Sodium	23-2	24097388	23599243	23386201	23694277	1.54	cps
Strontium	86-1	1010812	1020709	1019413	1016978	0.53	cps
Strontium	88-1	8912390	8919368	9091882	8974547	1.13	cps
Sulfur	34-1	419334	421049	419158	419847	0.25	cps
Terbium	159-1	7614824	7419318	7504228	7512790	1.30	cps
Terbium	159-2	5414179	5342695	5361622	5372832	0.69	cps
Thallium	203-1	2736898	2737180	2684793	2719624	1.11	cps
Thallium	205-1	6420109	6514155	6649881	6528048	1.77	cps
Tin	118-1	2462525	2525614	2484510	2490883	1.29	cps
Titanium	47-1	4151394	4224345	4194068	4189936	0.87	cps

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	PB169194BS	Instrumnet Name :	P7
Client Sample ID :	PB169194BS	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 11:37:19	DataFile Name :	027LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8321132	8241795	8301827	8288251	0.50	cps
Vanadium	51-2	1337330	1357990	1340107	1345142	0.83	cps
Yttrium	89-1	10161493	9865057	9797094	9941215	1.95	cps
Yttrium	89-2	2863479	2836467	2830565	2843504	0.62	cps
Zinc	66-2	3437394	3421910	3377868	3412390	0.91	cps
Zirconium	90-1	5564680	5432641	5433541	5476954	1.39	cps
Zirconium	91-1	1201307	1215493	1211782	1209528	0.61	cps

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	Q2776-01DLX5	Instrumnet Name :	P7
Client Sample ID :	72825DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-12 11:40:01	DataFile Name :	028SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	25561	25778	26006	25782	0.86	cps
Antimony	121-1	1767	1590	1617	1658	5.75	cps
Arsenic	75-2	227	323	310	287	18.28	cps
Barium	135-1	15338	14935	14588	14954	2.51	cps
Barium	137-1	25991	26027	26148	26055	0.32	cps
Beryllium	9-1	35	4	11	17	95.55	cps
Bismuth	209-1	4524466	4691087	4826740	4680764	3.23	cps
Bismuth	209-2	4129246	4120422	4059526	4103065	0.93	cps
Bromine	81-1	15508	17027	17177	16571	5.57	cps
Bromine	81-2	1583	1627	1567	1592	1.95	cps
Cadmium	108-1	20	37	37	31	30.93	cps
Cadmium	106-1	2410	2427	2454	2430	0.90	cps
Cadmium	111-1	1907	1877	1868	1884	1.06	cps
Calcium	43-1	6261	6695	6668	6541	3.71	cps
Calcium	44-1	135570	136666	137800	136678	0.82	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4441	4154	4057	4217	4.73	cps
Cobalt	59-2	2650	2797	2904	2784	4.57	cps
Copper	63-2	22050	21506	21876	21810	1.27	cps
Dysprosium	156-1	83	153	103	113	31.82	cps
Dysprosium	156-2	140	93	97	110	23.67	cps
Erbium	164-1	203	190	187	193	4.56	cps
Erbium	164-2	120	160	127	136	15.81	cps
Gadolinium	160-1	177	173	157	169	6.34	cps
Gadolinium	160-2	540	430	430	467	13.61	cps
Holmium	165-1	7192089	7442004	7459104	7364399	2.03	cps
Holmium	165-2	5613310	5701705	5563384	5626133	1.25	cps
Indium	115-1	6148683	6353092	6405828	6302535	2.16	cps
Indium	115-2	2580910	2523618	2545873	2550133	1.13	cps
Iron	56-2	7453750	7453566	7486120	7464479	0.25	cps
Iron	57-2	191556	191228	190195	190993	0.37	cps
Iron	54-2	429632	426499	425755	427295	0.48	cps
Krypton	83-1	650	520	453	541	18.48	cps

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	Q2776-01DLX5	Instrumnet Name :	P7
Client Sample ID :	72825DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-12 11:40:01	DataFile Name :	028SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	14551	14585	14304	14480	1.06	cps
Lead	207-1	11915	11805	11398	11706	2.33	cps
Lead	208-1	55515	54419	53097	54344	2.23	cps
Lithium	6-1	429208	447588	445169	440655	2.27	cps
Magnesium	24-2	44541	43034	43421	43665	1.79	cps
Manganese	55-2	173584	172066	171648	172433	0.59	cps
Molybdenum	94-1	2184	1767	1853	1935	11.37	cps
Molybdenum	95-1	1453	1077	1090	1207	17.71	cps
Molybdenum	96-1	1990	1560	1470	1673	16.61	cps
Molybdenum	97-1	1070	723	693	829	25.26	cps
Molybdenum	98-1	2310	1667	1673	1883	19.62	cps
Neodymium	150-1	213	230	167	203	16.14	cps
Neodymium	150-2	93	110	157	120	27.36	cps
Nickel	60-2	2364	2300	2314	2326	1.44	cps
Phosphorus	31-2	1113	1107	1013	1078	5.19	cps
Potassium	39-2	287286	283006	284687	284993	0.76	cps
Rhodium	103-1	6234002	6288952	6470262	6331072	1.95	cps
Rhodium	103-2	4162937	4177798	4228503	4189746	0.82	cps
Scandium	45-1	3866813	3976094	4041483	3961463	2.23	cps
Scandium	45-2	425054	421636	425383	424024	0.49	cps
Selenium	82-1	199	422	513	378	42.69	cps
Selenium	77-2	20	47	43	37	39.63	cps
Selenium	78-2	657	677	603	646	5.87	cps
Silicon	28-1	1889254	1998360	1989068	1958894	3.09	cps
Silver	107-1	587	480	457	508	13.65	cps
Silver	109-1	573	417	470	487	16.37	cps
Sodium	23-2	1392343	1372750	1374989	1380027	0.78	cps
Strontium	86-1	2140	2064	2240	2148	4.13	cps
Strontium	88-1	12529	11995	11975	12166	2.58	cps
Sulfur	34-1	170556	171904	172767	171742	0.65	cps
Terbium	159-1	7365973	7608309	7639084	7537789	1.98	cps
Terbium	159-2	5730721	5526203	5573802	5610242	1.91	cps
Thallium	203-1	533	563	710	602	15.70	cps
Thallium	205-1	1300	1263	1450	1338	7.39	cps
Tin	118-1	2104	2264	2157	2175	3.75	cps
Titanium	47-1	5091	4938	5004	5011	1.53	cps

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	Q2776-01DLX5	Instrumnet Name :	P7
Client Sample ID :	72825DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-12 11:40:01	DataFile Name :	028SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	403	240	307	317	25.93	cps
Vanadium	51-2	1283	1350	1520	1385	8.82	cps
Yttrium	89-1	9663825	10020138	10300402	9994789	3.19	cps
Yttrium	89-2	2984358	3013164	3041643	3013055	0.95	cps
Zinc	66-2	20000	19413	20154	19856	1.97	cps
Zirconium	90-1	3714	3214	3054	3327	10.35	cps
Zirconium	91-1	723	663	673	687	4.68	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	Q2776-01DUPDLREX5	Instrumnet Name :	P7
Client Sample ID :	72825DUPDLRE	Dilution Factor :	5
Date & Time Acquired :	2025-08-12 11:43:17	DataFile Name :	029SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	23929	23946	23698	23858	0.58	cps
Antimony	121-1	1117	1177	1180	1158	3.08	cps
Arsenic	75-2	240	287	313	280	13.26	cps
Barium	135-1	14901	14217	14651	14590	2.37	cps
Barium	137-1	25293	25289	24732	25104	1.29	cps
Beryllium	9-1	7	14	21	14	47.28	cps
Bismuth	209-1	4741182	4684053	4693168	4706134	0.65	cps
Bismuth	209-2	4216386	4107269	4043376	4122344	2.12	cps
Bromine	81-1	15658	17007	17807	16824	6.46	cps
Bromine	81-2	1710	1633	1627	1657	2.80	cps
Cadmium	108-1	27	17	23	22	22.91	cps
Cadmium	106-1	2530	2564	2497	2530	1.32	cps
Cadmium	111-1	1943	1943	1892	1926	1.53	cps
Calcium	43-1	6351	6448	6385	6395	0.77	cps
Calcium	44-1	132822	133686	133442	133317	0.33	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3924	4111	3761	3932	4.46	cps
Cobalt	59-2	2757	2567	2740	2688	3.91	cps
Copper	63-2	20875	19653	20551	20360	3.11	cps
Dysprosium	156-1	123	133	157	138	12.41	cps
Dysprosium	156-2	97	133	107	112	16.89	cps
Erbium	164-1	170	150	193	171	12.68	cps
Erbium	164-2	100	120	133	118	14.25	cps
Gadolinium	160-1	193	177	120	163	23.54	cps
Gadolinium	160-2	407	453	440	433	5.55	cps
Holmium	165-1	7621006	7568335	7446008	7545116	1.19	cps
Holmium	165-2	5734417	5764708	5481089	5660072	2.75	cps
Indium	115-1	6538364	6389142	6284777	6404095	1.99	cps
Indium	115-2	2585276	2526574	2538373	2550074	1.22	cps
Iron	56-2	7328870	7147147	7059666	7178561	1.91	cps
Iron	57-2	183059	185017	181635	183237	0.93	cps
Iron	54-2	411299	415133	408690	411707	0.79	cps
Krypton	83-1	590	510	483	528	10.52	cps

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	Q2776-01DUPDLREX5	Instrumnet Name :	P7
Client Sample ID :	72825DUPDLRE	Dilution Factor :	5
Date & Time Acquired :	2025-08-12 11:43:17	DataFile Name :	029SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	13407	13871	13887	13721	1.99	cps
Lead	207-1	11568	11155	11155	11293	2.12	cps
Lead	208-1	51408	52062	50950	51473	1.09	cps
Lithium	6-1	459055	451172	440191	450139	2.10	cps
Magnesium	24-2	42616	43151	42502	42756	0.81	cps
Manganese	55-2	166401	166468	164871	165914	0.54	cps
Molybdenum	94-1	1320	1323	1180	1275	6.42	cps
Molybdenum	95-1	637	783	680	700	10.76	cps
Molybdenum	96-1	1013	843	953	937	9.20	cps
Molybdenum	97-1	510	453	480	481	5.89	cps
Molybdenum	98-1	1227	1053	1003	1094	10.71	cps
Neodymium	150-1	187	193	203	194	4.31	cps
Neodymium	150-2	143	173	117	144	19.63	cps
Nickel	60-2	2274	2280	2507	2354	5.64	cps
Phosphorus	31-2	1050	1040	1067	1052	1.28	cps
Potassium	39-2	275585	273898	274129	274537	0.33	cps
Rhodium	103-1	6609184	6527073	6443769	6526676	1.27	cps
Rhodium	103-2	4188869	4145041	4194202	4176037	0.65	cps
Scandium	45-1	3988791	4017183	4010555	4005509	0.37	cps
Scandium	45-2	424637	419967	419339	421314	0.69	cps
Selenium	82-1	761	732	723	739	2.67	cps
Selenium	77-2	27	47	40	38	26.95	cps
Selenium	78-2	693	773	710	726	5.82	cps
Silicon	28-1	1910476	1973003	2013119	1965532	2.63	cps
Silver	107-1	247	193	277	239	17.67	cps
Silver	109-1	250	247	277	258	6.38	cps
Sodium	23-2	1339938	1349050	1315476	1334821	1.30	cps
Strontium	86-1	1970	2013	2040	2008	1.76	cps
Strontium	88-1	12289	11571	11848	11903	3.04	cps
Sulfur	34-1	174702	176213	174538	175151	0.53	cps
Terbium	159-1	7656040	7651984	7519776	7609267	1.02	cps
Terbium	159-2	5601949	5622491	5608671	5611037	0.19	cps
Thallium	203-1	513	520	533	522	1.95	cps
Thallium	205-1	1120	1103	1190	1138	4.04	cps
Tin	118-1	1983	2034	1943	1987	2.27	cps
Titanium	47-1	4894	4934	5014	4948	1.24	cps

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	Q2776-01DUPDLREX5	Instrumnet Name :	P7
Client Sample ID :	72825DUPDLRE	Dilution Factor :	5
Date & Time Acquired :	2025-08-12 11:43:17	DataFile Name :	029SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	203	180	207	197	7.39	cps
Vanadium	51-2	1347	1247	1243	1279	4.59	cps
Yttrium	89-1	10348673	10178447	10151598	10226239	1.05	cps
Yttrium	89-2	2971496	2976990	2982924	2977136	0.19	cps
Zinc	66-2	18535	18662	18278	18492	1.06	cps
Zirconium	90-1	2607	2397	2424	2476	4.62	cps
Zirconium	91-1	513	533	503	517	2.96	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	Q2776-01LDLREX25	Instrumnet Name :	P7
Client Sample ID :	72825LDLRE	Dilution Factor :	25
Date & Time Acquired :	2025-08-12 11:46:30	DataFile Name :	030SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5441	5391	4938	5257	5.28	cps
Antimony	121-1	343	280	353	326	12.21	cps
Arsenic	75-2	57	43	27	42	35.60	cps
Barium	135-1	2994	2984	3027	3001	0.76	cps
Barium	137-1	5274	5161	5251	5229	1.15	cps
Beryllium	9-1	4	7	0	4	93.22	cps
Bismuth	209-1	4568921	4556267	4502447	4542545	0.78	cps
Bismuth	209-2	4006518	3943812	3970493	3973607	0.79	cps
Bromine	81-1	11758	12042	11548	11783	2.10	cps
Bromine	81-2	447	440	400	429	5.89	cps
Cadmium	108-1	10	7	30	16	81.11	cps
Cadmium	106-1	2477	2337	2270	2361	4.47	cps
Cadmium	111-1	1790	1678	1605	1691	5.52	cps
Calcium	43-1	1450	1600	1523	1525	4.92	cps
Calcium	44-1	50002	49969	49792	49921	0.23	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2357	2547	2404	2436	4.07	cps
Cobalt	59-2	580	610	627	606	3.91	cps
Copper	63-2	5264	5264	5104	5211	1.77	cps
Dysprosium	156-1	27	30	37	31	16.37	cps
Dysprosium	156-2	30	20	37	29	29.04	cps
Erbium	164-1	93	117	67	92	27.13	cps
Erbium	164-2	47	83	53	61	31.96	cps
Gadolinium	160-1	53	67	63	61	11.36	cps
Gadolinium	160-2	350	370	313	344	8.34	cps
Holmium	165-1	7426163	7260487	7316837	7334496	1.15	cps
Holmium	165-2	5423786	5415722	5433832	5424447	0.17	cps
Indium	115-1	6242124	6265717	6245577	6251139	0.20	cps
Indium	115-2	2505478	2490509	2455140	2483709	1.04	cps
Iron	56-2	1519964	1511619	1478106	1503230	1.47	cps
Iron	57-2	39963	39415	39776	39718	0.70	cps
Iron	54-2	87731	87228	87449	87469	0.29	cps
Krypton	83-1	483	520	470	491	5.27	cps

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	Q2776-01LDLREX25	Instrumnet Name :	P7
Client Sample ID :	72825LDLRE	Dilution Factor :	25
Date & Time Acquired :	2025-08-12 11:46:30	DataFile Name :	030SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3337	3134	3317	3263	3.44	cps
Lead	207-1	2747	2634	2467	2616	5.39	cps
Lead	208-1	12352	12119	11859	12110	2.04	cps
Lithium	6-1	441106	435007	431720	435944	1.09	cps
Magnesium	24-2	8956	9109	8996	9020	0.88	cps
Manganese	55-2	40675	40491	40805	40657	0.39	cps
Molybdenum	94-1	503	543	500	516	4.68	cps
Molybdenum	95-1	353	327	370	350	6.25	cps
Molybdenum	96-1	460	480	433	458	5.11	cps
Molybdenum	97-1	200	300	287	262	20.71	cps
Molybdenum	98-1	620	570	607	599	4.32	cps
Neodymium	150-1	27	37	60	41	41.60	cps
Neodymium	150-2	40	53	40	44	17.32	cps
Nickel	60-2	1180	860	887	976	18.20	cps
Phosphorus	31-2	837	767	883	829	7.08	cps
Potassium	39-2	118466	118281	119780	118842	0.69	cps
Rhodium	103-1	6275741	6323534	6166260	6255178	1.29	cps
Rhodium	103-2	4011103	4000050	4005699	4005617	0.14	cps
Scandium	45-1	3911952	3842569	3911041	3888521	1.02	cps
Scandium	45-2	408954	403651	407445	406684	0.67	cps
Selenium	82-1	544	399	447	463	15.96	cps
Selenium	77-2	17	33	13	21	50.75	cps
Selenium	78-2	527	637	600	588	9.53	cps
Silicon	28-1	846074	855551	853178	851601	0.58	cps
Silver	107-1	177	190	123	163	21.60	cps
Silver	109-1	147	133	150	143	6.15	cps
Sodium	23-2	298881	298538	298000	298473	0.15	cps
Strontium	86-1	1000	1077	1127	1068	5.98	cps
Strontium	88-1	2637	2584	2764	2661	3.47	cps
Sulfur	34-1	168127	170256	168551	168978	0.67	cps
Terbium	159-1	7577984	7486127	7596104	7553405	0.78	cps
Terbium	159-2	5501792	5465534	5349379	5438902	1.46	cps
Thallium	203-1	380	387	413	393	4.48	cps
Thallium	205-1	863	830	860	851	2.16	cps
Tin	118-1	1650	1367	1477	1498	9.54	cps
Titanium	47-1	1010	1053	993	1019	3.04	cps

Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	Q2776-01LDLREX25	Instrumnet Name :	P7
Client Sample ID :	72825LDLRE	Dilution Factor :	25
Date & Time Acquired :	2025-08-12 11:46:30	DataFile Name :	030SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	57	83	67	69	19.55	cps
Vanadium	51-2	317	363	283	321	12.51	cps
Yttrium	89-1	10098437	9827661	9836056	9920718	1.55	cps
Yttrium	89-2	2862517	2875591	2834103	2857404	0.74	cps
Zinc	66-2	4714	4637	4811	4721	1.84	cps
Zirconium	90-1	897	840	817	851	4.83	cps
Zirconium	91-1	190	193	133	172	19.58	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	Q2776-01MSDLX5	Instrumnet Name :	P7
Client Sample ID :	72825MSDL	Dilution Factor :	5
Date & Time Acquired :	2025-08-12 11:49:48	DataFile Name :	031SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	348501	341075	347490	345689	1.16	cps
Antimony	121-1	551052	557167	558931	555717	0.74	cps
Arsenic	75-2	126837	126007	124337	125727	1.01	cps
Barium	135-1	639674	645211	632316	639067	1.01	cps
Barium	137-1	1101916	1097006	1113425	1104116	0.76	cps
Beryllium	9-1	75371	76140	76172	75894	0.60	cps
Bismuth	209-1	4729673	4856355	4710213	4765414	1.67	cps
Bismuth	209-2	4108226	4058839	3996112	4054393	1.39	cps
Bromine	81-1	15542	16026	17157	16241	5.10	cps
Bromine	81-2	1503	1583	1543	1543	2.59	cps
Cadmium	108-1	11211	11371	11498	11360	1.27	cps
Cadmium	106-1	18028	18959	18218	18402	2.67	cps
Cadmium	111-1	158779	165817	161138	161911	2.21	cps
Calcium	43-1	175656	176931	172730	175106	1.23	cps
Calcium	44-1	2803180	2783499	2774665	2787115	0.52	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	307958	310249	305989	308065	0.69	cps
Cobalt	59-2	496631	495750	491539	494640	0.55	cps
Copper	63-2	3635535	3625987	3635535	3632352	0.15	cps
Dysprosium	156-1	147	130	137	138	6.09	cps
Dysprosium	156-2	147	143	183	158	14.07	cps
Erbium	164-1	183	257	223	221	16.60	cps
Erbium	164-2	183	117	130	143	24.61	cps
Gadolinium	160-1	163	183	160	169	7.47	cps
Gadolinium	160-2	450	453	410	438	5.51	cps
Holmium	165-1	7663250	7592507	7616755	7624171	0.47	cps
Holmium	165-2	5654333	5697168	5559343	5636948	1.25	cps
Indium	115-1	6551714	6477889	6534976	6521526	0.59	cps
Indium	115-2	2523715	2500177	2496905	2506932	0.58	cps
Iron	56-2	21615588	21244613	21682782	21514328	1.10	cps
Iron	57-2	552971	548630	548315	549972	0.47	cps
Iron	54-2	1240307	1227651	1232156	1233371	0.52	cps
Krypton	83-1	483	437	507	476	7.49	cps

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	Q2776-01MSDLX5	Instrumnet Name :	P7
Client Sample ID :	72825MSDL	Dilution Factor :	5
Date & Time Acquired :	2025-08-12 11:49:48	DataFile Name :	031SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2121958	2207670	2117899	2149176	2.36	cps
Lead	207-1	1832461	1969473	1828285	1876740	4.28	cps
Lead	208-1	8411922	8804308	8410080	8542103	2.66	cps
Lithium	6-1	459445	457387	452144	456325	0.82	cps
Magnesium	24-2	3215785	3154377	3119867	3163343	1.54	cps
Manganese	55-2	2640175	2619668	2675370	2645071	1.07	cps
Molybdenum	94-1	1035407	1039685	1038534	1037875	0.21	cps
Molybdenum	95-1	1130904	1132079	1141931	1134971	0.53	cps
Molybdenum	96-1	1243313	1252351	1258441	1251368	0.61	cps
Molybdenum	97-1	721838	717829	710545	716737	0.80	cps
Molybdenum	98-1	1839509	1850191	1864448	1851383	0.68	cps
Neodymium	150-1	207	210	210	209	0.92	cps
Neodymium	150-2	147	147	120	138	11.18	cps
Nickel	60-2	130980	130385	128926	130097	0.81	cps
Phosphorus	31-2	1040	1080	980	1033	4.87	cps
Potassium	39-2	1882562	1873870	1862748	1873060	0.53	cps
Rhodium	103-1	6548461	6497264	6478316	6508014	0.56	cps
Rhodium	103-2	4156902	4111092	4095635	4121209	0.77	cps
Scandium	45-1	4103201	3994649	4004500	4034117	1.49	cps
Scandium	45-2	426824	425395	424739	425653	0.25	cps
Selenium	82-1	9955	10193	10034	10061	1.21	cps
Selenium	77-2	1213	1260	1147	1207	4.72	cps
Selenium	78-2	4587	4197	4414	4400	4.44	cps
Silicon	28-1	1905983	1969750	2013279	1963004	2.75	cps
Silver	107-1	128470	132025	128655	129717	1.54	cps
Silver	109-1	118547	121948	123259	121251	2.01	cps
Sodium	23-2	6148883	5971301	5924988	6015057	1.96	cps
Strontium	86-1	230612	233833	227642	230695	1.34	cps
Strontium	88-1	2028718	2009991	2004271	2014327	0.63	cps
Sulfur	34-1	180606	179250	182286	180714	0.84	cps
Terbium	159-1	7725214	7666011	7754751	7715325	0.59	cps
Terbium	159-2	5600447	5577332	5581951	5586577	0.22	cps
Thallium	203-1	485767	492252	500069	492696	1.45	cps
Thallium	205-1	1138707	1156105	1160658	1151823	1.01	cps
Tin	118-1	430142	433593	447666	437134	2.12	cps
Titanium	47-1	5544	5398	5631	5524	2.14	cps

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	Q2776-01MSDLX5	Instrumnet Name :	P7
Client Sample ID :	72825MSDL	Dilution Factor :	5
Date & Time Acquired :	2025-08-12 11:49:48	DataFile Name :	031SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	1368399	1412515	1421513	1400809	2.03	cps
Vanadium	51-2	273022	269048	271683	271251	0.75	cps
Yttrium	89-1	10328833	10168584	10433671	10310363	1.29	cps
Yttrium	89-2	2933463	2919166	2937800	2930143	0.33	cps
Zinc	66-2	665116	659647	660557	661773	0.44	cps
Zirconium	90-1	1034603	1037065	1043099	1038256	0.42	cps
Zirconium	91-1	229369	227612	229635	228872	0.48	cps

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	CCV02	Instrumnet Name :	P7
Client Sample ID :	CCV02	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 12:01:37	DataFile Name :	033CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	9257462	9058108	9072774	9129448	1.22	cps
Antimony	121-1	2902301	2872299	2932393	2902331	1.04	cps
Arsenic	75-2	205231	202230	204024	203829	0.74	cps
Barium	135-1	3539995	3532625	3556983	3543201	0.35	cps
Barium	137-1	6191076	6129924	6132522	6151174	0.56	cps
Beryllium	9-1	399823	402067	399888	400593	0.32	cps
Bismuth	209-1	4446525	4321737	4381530	4383264	1.42	cps
Bismuth	209-2	3840480	3806078	3762685	3803081	1.03	cps
Bromine	81-1	10454	9977	10527	10319	2.90	cps
Bromine	81-2	210	183	153	182	15.56	cps
Cadmium	108-1	57129	56744	57055	56976	0.36	cps
Cadmium	106-1	82007	82757	82802	82522	0.54	cps
Cadmium	111-1	794819	798413	800163	797798	0.34	cps
Calcium	43-1	4366731	4396178	4317549	4360153	0.91	cps
Calcium	44-1	71940921	70944332	71165346	71350199	0.73	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1608503	1633877	1651140	1631173	1.31	cps
Cobalt	59-2	2480100	2510906	2472399	2487802	0.82	cps
Copper	63-2	19089612	18964613	18931594	18995273	0.44	cps
Dysprosium	156-1	163	167	143	158	8.00	cps
Dysprosium	156-2	313	277	277	289	7.33	cps
Erbium	164-1	377	320	357	351	8.19	cps
Erbium	164-2	333	290	283	302	8.98	cps
Gadolinium	160-1	217	243	243	234	6.57	cps
Gadolinium	160-2	463	433	513	470	8.60	cps
Holmium	165-1	7373263	7493608	7258447	7375106	1.59	cps
Holmium	165-2	5670194	5621450	5561516	5617720	0.97	cps
Indium	115-1	6249333	6114747	6015320	6126467	1.92	cps
Indium	115-2	2429094	2385544	2392019	2402219	0.98	cps
Iron	56-2	380709821	377816714	377211754	378579430	0.49	cps
Iron	57-2	9395034	9417821	9422007	9411621	0.15	cps
Iron	54-2	20851302	20969644	20913812	20911586	0.28	cps
Krypton	83-1	523	550	587	553	5.75	cps

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LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	CCV02	Instrumnet Name :	P7
Client Sample ID :	CCV02	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 12:01:37	DataFile Name :	033CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	10844817	11234793	11051534	11043715	1.77	cps
Lead	207-1	9115445	9364069	9196858	9225457	1.37	cps
Lead	208-1	42284231	42831463	42482663	42532786	0.65	cps
Lithium	6-1	459119	451354	445184	451885	1.55	cps
Magnesium	24-2	79680010	79094465	78906235	79226904	0.51	cps
Manganese	55-2	13678278	13760647	13694684	13711203	0.32	cps
Molybdenum	94-1	11347073	11787969	11222766	11452603	2.59	cps
Molybdenum	95-1	16350254	16599218	16515646	16488373	0.77	cps
Molybdenum	96-1	17617691	17697421	17463090	17592734	0.68	cps
Molybdenum	97-1	10292900	10054319	10258944	10202055	1.27	cps
Molybdenum	98-1	26189929	26196963	26187530	26191474	0.02	cps
Neodymium	150-1	183	187	180	183	1.82	cps
Neodymium	150-2	43	77	70	63	27.85	cps
Nickel	60-2	639743	633189	624573	632501	1.20	cps
Phosphorus	31-2	101498	101092	99710	100767	0.93	cps
Potassium	39-2	45592146	46030031	45501273	45707817	0.62	cps
Rhodium	103-1	6221334	5991758	6082606	6098566	1.90	cps
Rhodium	103-2	3919974	3870480	3899008	3896487	0.64	cps
Scandium	45-1	4022242	3979920	3913493	3971885	1.38	cps
Scandium	45-2	422675	419752	417779	420069	0.59	cps
Selenium	82-1	59297	59422	59271	59330	0.14	cps
Selenium	77-2	7218	7218	6932	7123	2.32	cps
Selenium	78-2	24460	24848	24447	24585	0.93	cps
Silicon	28-1	8772696	8983075	8834610	8863460	1.22	cps
Silver	107-1	4028184	4071096	3995203	4031494	0.94	cps
Silver	109-1	3845688	3789952	3765651	3800431	1.08	cps
Sodium	23-2	124451215	123100068	125366868	124306050	0.92	cps
Strontium	86-1	1048242	1049504	1045198	1047648	0.21	cps
Strontium	88-1	9200802	9199209	9113304	9171105	0.55	cps
Sulfur	34-1	431144	429856	426650	429217	0.54	cps
Terbium	159-1	7729702	7655289	7617265	7667419	0.75	cps
Terbium	159-2	5582402	5502300	5638827	5574510	1.23	cps
Thallium	203-1	2683231	2763920	2732103	2726418	1.49	cps
Thallium	205-1	6476687	6496637	6475786	6483037	0.18	cps
Tin	118-1	2509490	2507189	2482538	2499739	0.60	cps
Titanium	47-1	4308078	4307284	4239377	4284913	0.92	cps

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LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	CCV02	Instrumnet Name :	P7
Client Sample ID :	CCV02	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 12:01:37	DataFile Name :	033CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8315889	8439983	8431348	8395740	0.83	cps
Vanadium	51-2	1404787	1406963	1381459	1397736	1.01	cps
Yttrium	89-1	10162031	9860965	9809957	9944318	1.91	cps
Yttrium	89-2	2952928	2924595	2867831	2915118	1.49	cps
Zinc	66-2	3328750	3347657	3327856	3334755	0.34	cps
Zirconium	90-1	5658583	5679475	5568730	5635596	1.04	cps
Zirconium	91-1	1233344	1245490	1245760	1241531	0.57	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	CCB02	Instrumnet Name :	P7
Client Sample ID :	CCB02	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 12:05:33	DataFile Name :	034CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	397	383	417	399	4.21	cps
Antimony	121-1	513	503	480	499	3.43	cps
Arsenic	75-2	10	3	17	10	66.70	cps
Barium	135-1	37	50	50	46	16.89	cps
Barium	137-1	90	127	103	107	17.40	cps
Beryllium	9-1	14	14	10	13	15.25	cps
Bismuth	209-1	4532583	4463570	4519222	4505125	0.81	cps
Bismuth	209-2	3958276	3989889	3902895	3950353	1.11	cps
Bromine	81-1	10337	10117	10300	10251	1.15	cps
Bromine	81-2	140	173	170	161	11.40	cps
Cadmium	108-1	7	27	7	13	86.58	cps
Cadmium	106-1	2380	2190	2044	2205	7.66	cps
Cadmium	111-1	1738	1591	1459	1596	8.75	cps
Calcium	43-1	247	273	223	248	10.10	cps
Calcium	44-1	28076	27896	27429	27800	1.20	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2110	1913	1977	2000	5.02	cps
Cobalt	59-2	127	63	83	91	35.54	cps
Copper	63-2	1910	1843	2007	1920	4.28	cps
Dysprosium	156-1	13	3	10	9	57.30	cps
Dysprosium	156-2	3	3	7	4	43.40	cps
Erbium	164-1	70	53	43	56	24.25	cps
Erbium	164-2	27	20	17	21	24.12	cps
Gadolinium	160-1	43	40	53	46	15.23	cps
Gadolinium	160-2	277	330	337	314	10.46	cps
Holmium	165-1	7508287	7312700	7083391	7301459	2.91	cps
Holmium	165-2	5518090	5428304	5408097	5451497	1.07	cps
Indium	115-1	6367672	6177382	6103560	6216204	2.19	cps
Indium	115-2	2414362	2461711	2392983	2423019	1.45	cps
Iron	56-2	24490	24904	24353	24582	1.17	cps
Iron	57-2	1627	1633	1497	1586	4.86	cps
Iron	54-2	3017	3047	3014	3026	0.61	cps
Krypton	83-1	487	490	533	503	5.17	cps

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	CCB02	Instrumnet Name :	P7
Client Sample ID :	CCB02	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 12:05:33	DataFile Name :	034CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	563	690	653	636	10.26	cps
Lead	207-1	450	470	480	467	3.27	cps
Lead	208-1	2320	2287	2377	2328	1.95	cps
Lithium	6-1	451187	444153	444408	446583	0.89	cps
Magnesium	24-2	830	913	950	898	6.85	cps
Manganese	55-2	860	953	943	919	5.58	cps
Molybdenum	94-1	573	430	500	501	14.30	cps
Molybdenum	95-1	537	540	487	521	5.73	cps
Molybdenum	96-1	597	653	650	633	5.02	cps
Molybdenum	97-1	387	310	330	342	11.62	cps
Molybdenum	98-1	917	953	913	928	2.39	cps
Neodymium	150-1	0	10	0	3	173.21	cps
Neodymium	150-2	0	3	0	1	173.21	cps
Nickel	60-2	523	543	400	489	15.88	cps
Phosphorus	31-2	763	787	767	772	1.63	cps
Potassium	39-2	80367	81694	80548	80870	0.89	cps
Rhodium	103-1	6275461	6137785	6116082	6176442	1.40	cps
Rhodium	103-2	3934624	3977276	3954608	3955503	0.54	cps
Scandium	45-1	3967083	3881233	3758078	3868798	2.72	cps
Scandium	45-2	407663	406292	398794	404250	1.18	cps
Selenium	82-1	358	366	259	328	18.09	cps
Selenium	77-2	0	0	7	2	173.21	cps
Selenium	78-2	533	553	447	511	11.09	cps
Silicon	28-1	633637	632119	629944	631900	0.29	cps
Silver	107-1	300	317	310	309	2.71	cps
Silver	109-1	237	217	253	236	7.79	cps
Sodium	23-2	52726	52453	49954	51711	2.95	cps
Strontium	86-1	767	863	770	800	6.86	cps
Strontium	88-1	157	150	143	150	4.44	cps
Sulfur	34-1	168898	170661	169889	169816	0.52	cps
Terbium	159-1	7532149	7238965	7405405	7392173	1.99	cps
Terbium	159-2	5406856	5447715	5372156	5408909	0.70	cps
Thallium	203-1	580	540	483	534	9.09	cps
Thallium	205-1	1250	1287	1207	1248	3.21	cps
Tin	118-1	1030	823	973	942	11.33	cps
Titanium	47-1	110	140	103	118	16.58	cps

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	CCB02	Instrumnet Name :	P7
Client Sample ID :	CCB02	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 12:05:33	DataFile Name :	034CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	70	73	77	73	4.55	cps
Vanadium	51-2	33	27	23	28	18.33	cps
Yttrium	89-1	9803208	9624570	9624489	9684089	1.07	cps
Yttrium	89-2	2889040	2800407	2819496	2836314	1.64	cps
Zinc	66-2	953	817	777	849	10.91	cps
Zirconium	90-1	610	470	487	522	14.64	cps
Zirconium	91-1	110	117	127	118	7.12	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	Q2776-01MSDDLX5	Instrumnet Name :	P7
Client Sample ID :	72825MSDDL	Dilution Factor :	5
Date & Time Acquired :	2025-08-12 12:09:24	DataFile Name :	035SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	342493	348431	338640	343188	1.44	cps
Antimony	121-1	556348	554647	548307	553101	0.77	cps
Arsenic	75-2	27312	27268	27225	27268	0.16	cps
Barium	135-1	627900	629617	631677	629731	0.30	cps
Barium	137-1	1081055	1111320	1084676	1092350	1.51	cps
Beryllium	9-1	76941	78915	77552	77803	1.30	cps
Bismuth	209-1	4753627	4714646	4896377	4788217	2.00	cps
Bismuth	209-2	4187707	4048184	4147728	4127873	1.74	cps
Bromine	81-1	14417	16356	16136	15636	6.79	cps
Bromine	81-2	1447	1447	1430	1441	0.67	cps
Cadmium	108-1	10767	10981	10981	10910	1.13	cps
Cadmium	106-1	17811	18482	17885	18059	2.04	cps
Cadmium	111-1	160054	159649	161576	160426	0.63	cps
Calcium	43-1	174254	173523	171847	173208	0.71	cps
Calcium	44-1	2735505	2740692	2826022	2767406	1.84	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	311201	307143	309016	309120	0.66	cps
Cobalt	59-2	494061	489225	493591	492292	0.54	cps
Copper	63-2	3565107	3564950	3599136	3576398	0.55	cps
Dysprosium	156-1	163	120	157	147	15.91	cps
Dysprosium	156-2	190	173	127	163	20.10	cps
Erbium	164-1	183	187	207	192	6.56	cps
Erbium	164-2	140	127	150	139	8.43	cps
Gadolinium	160-1	177	187	197	187	5.36	cps
Gadolinium	160-2	407	480	447	444	8.26	cps
Holmium	165-1	7625753	7530152	7702748	7619551	1.13	cps
Holmium	165-2	5878686	5670823	5842333	5797281	1.91	cps
Indium	115-1	6475343	6382511	6384144	6413999	0.83	cps
Indium	115-2	2587778	2537494	2577246	2567506	1.03	cps
Iron	56-2	21233189	21224065	21374124	21277126	0.40	cps
Iron	57-2	548159	547201	547109	547490	0.11	cps
Iron	54-2	1222235	1242601	1227176	1230671	0.86	cps
Krypton	83-1	453	520	457	477	7.88	cps

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	Q2776-01MSDDLX5	Instrumnet Name :	P7
Client Sample ID :	72825MSDDL	Dilution Factor :	5
Date & Time Acquired :	2025-08-12 12:09:24	DataFile Name :	035SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2177577	2127012	2183007	2162532	1.43	cps
Lead	207-1	1876437	1847577	1906850	1876955	1.58	cps
Lead	208-1	8556658	8517529	8694921	8589703	1.08	cps
Lithium	6-1	472553	460340	472094	468329	1.48	cps
Magnesium	24-2	3191542	3207626	3135235	3178135	1.20	cps
Manganese	55-2	2581362	2610428	2575682	2589158	0.72	cps
Molybdenum	94-1	1007145	1021623	1023351	1017373	0.87	cps
Molybdenum	95-1	1096166	1124981	1110067	1110405	1.30	cps
Molybdenum	96-1	1246495	1247774	1222003	1238757	1.17	cps
Molybdenum	97-1	699207	697387	704042	700212	0.49	cps
Molybdenum	98-1	1799004	1816012	1832703	1815906	0.93	cps
Neodymium	150-1	223	223	143	197	23.48	cps
Neodymium	150-2	163	127	133	141	13.84	cps
Nickel	60-2	128079	128275	128328	128227	0.10	cps
Phosphorus	31-2	980	980	1043	1001	3.65	cps
Potassium	39-2	1906370	1847901	1847893	1867388	1.81	cps
Rhodium	103-1	6457718	6497598	6493352	6482889	0.34	cps
Rhodium	103-2	4207379	4099477	4240223	4182359	1.76	cps
Scandium	45-1	4021780	3991005	4088823	4033869	1.24	cps
Scandium	45-2	426352	423384	426081	425272	0.39	cps
Selenium	82-1	9740	9979	9786	9835	1.29	cps
Selenium	77-2	1247	1060	1233	1180	8.83	cps
Selenium	78-2	4497	4394	4564	4485	1.91	cps
Silicon	28-1	1851481	1964630	1952711	1922941	3.23	cps
Silver	107-1	127767	127919	128548	128078	0.32	cps
Silver	109-1	119222	120463	118924	119536	0.68	cps
Sodium	23-2	5998456	6108846	5936294	6014532	1.45	cps
Strontium	86-1	227043	225348	223260	225217	0.84	cps
Strontium	88-1	2037690	1976655	2023561	2012635	1.59	cps
Sulfur	34-1	182853	183399	184128	183460	0.35	cps
Terbium	159-1	7505336	7691735	7662424	7619832	1.32	cps
Terbium	159-2	5818992	5755151	5654675	5742939	1.44	cps
Thallium	203-1	483678	496282	499042	493001	1.66	cps
Thallium	205-1	1176969	1160303	1141644	1159639	1.52	cps
Tin	118-1	424277	434734	427473	428828	1.25	cps
Titanium	47-1	5474	5558	5334	5455	2.07	cps

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	Q2776-01MSDDLX5	Instrumnet Name :	P7
Client Sample ID :	72825MSDDL	Dilution Factor :	5
Date & Time Acquired :	2025-08-12 12:09:24	DataFile Name :	035SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	1434588	1434255	1410639	1426494	0.96	cps
Vanadium	51-2	269602	269886	267096	268862	0.57	cps
Yttrium	89-1	10055758	10029903	10211458	10099040	0.97	cps
Yttrium	89-2	3039002	2931654	2989249	2986635	1.80	cps
Zinc	66-2	663977	655270	663556	660934	0.74	cps
Zirconium	90-1	1007331	1036594	1024624	1022850	1.44	cps
Zirconium	91-1	228310	228470	226237	227672	0.55	cps

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	Q2776-01ADLX5	Instrumnet Name :	P7
Client Sample ID :	72825ADL	Dilution Factor :	5
Date & Time Acquired :	2025-08-12 12:12:27	DataFile Name :	036SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	347299	355454	342727	348493	1.85	cps
Antimony	121-1	550027	554489	552586	552368	0.41	cps
Arsenic	75-2	88921	90239	88469	89210	1.03	cps
Barium	135-1	633890	630715	630909	631838	0.28	cps
Barium	137-1	1094079	1094080	1096040	1094733	0.10	cps
Beryllium	9-1	77362	80054	78700	78705	1.71	cps
Bismuth	209-1	4728861	4736249	4646237	4703783	1.06	cps
Bismuth	209-2	4147020	4060942	4104876	4104279	1.05	cps
Bromine	81-1	14384	16279	16396	15686	7.20	cps
Bromine	81-2	1540	1383	1637	1520	8.41	cps
Cadmium	108-1	11161	11268	10701	11043	2.73	cps
Cadmium	106-1	17985	18128	18495	18203	1.45	cps
Cadmium	111-1	162639	157658	158932	159743	1.62	cps
Calcium	43-1	175686	175647	170551	173962	1.70	cps
Calcium	44-1	2795265	2775029	2796777	2789024	0.44	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	311732	311902	306213	309949	1.04	cps
Cobalt	59-2	490637	489170	489168	489658	0.17	cps
Copper	63-2	3596749	3681290	3559619	3612553	1.73	cps
Dysprosium	156-1	107	167	173	149	24.66	cps
Dysprosium	156-2	170	150	143	154	8.98	cps
Erbium	164-1	180	200	183	188	5.71	cps
Erbium	164-2	157	93	110	120	27.36	cps
Gadolinium	160-1	197	190	203	197	3.39	cps
Gadolinium	160-2	433	440	420	431	2.36	cps
Holmium	165-1	7611532	7720648	7593994	7642058	0.90	cps
Holmium	165-2	5830418	5761048	5614873	5735447	1.92	cps
Indium	115-1	6536033	6424311	6299914	6420086	1.84	cps
Indium	115-2	2531352	2595196	2527889	2551479	1.49	cps
Iron	56-2	21430875	21912439	20984027	21442447	2.17	cps
Iron	57-2	552943	554871	546964	551593	0.75	cps
Iron	54-2	1233562	1235414	1219739	1229572	0.70	cps
Krypton	83-1	497	503	497	499	0.77	cps

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	Q2776-01ADLX5	Instrumnet Name :	P7
Client Sample ID :	72825ADL	Dilution Factor :	5
Date & Time Acquired :	2025-08-12 12:12:27	DataFile Name :	036SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2178776	2157920	2145557	2160751	0.78	cps
Lead	207-1	1915304	1819135	1835309	1856583	2.77	cps
Lead	208-1	8662442	8485612	8475239	8541098	1.23	cps
Lithium	6-1	478777	477211	473554	476514	0.56	cps
Magnesium	24-2	3098161	3123068	3221446	3147558	2.07	cps
Manganese	55-2	2549124	2675246	2563332	2595900	2.66	cps
Molybdenum	94-1	1025034	1025049	1015836	1021973	0.52	cps
Molybdenum	95-1	1113650	1129057	1116631	1119779	0.73	cps
Molybdenum	96-1	1233366	1237147	1240870	1237128	0.30	cps
Molybdenum	97-1	705962	698599	697031	700531	0.68	cps
Molybdenum	98-1	1816070	1826212	1822438	1821573	0.28	cps
Neodymium	150-1	190	183	217	197	8.97	cps
Neodymium	150-2	130	167	110	136	21.20	cps
Nickel	60-2	129033	130263	128502	129266	0.70	cps
Phosphorus	31-2	1013	1123	1003	1047	6.36	cps
Potassium	39-2	1878094	1887151	1862235	1875827	0.67	cps
Rhodium	103-1	6538741	6453314	6480684	6490913	0.67	cps
Rhodium	103-2	4185290	4235293	4125093	4181892	1.32	cps
Scandium	45-1	4085123	4083483	4052022	4073543	0.46	cps
Scandium	45-2	424494	425526	422488	424169	0.36	cps
Selenium	82-1	10134	10434	10454	10341	1.73	cps
Selenium	77-2	1163	1150	1260	1191	5.04	cps
Selenium	78-2	4634	4601	4591	4609	0.49	cps
Silicon	28-1	1883998	3469400	1985375	2446258	36.28	cps
Silver	107-1	126927	127203	128114	127415	0.49	cps
Silver	109-1	120696	122232	120174	121034	0.88	cps
Sodium	23-2	5955488	6017406	5997650	5990181	0.53	cps
Strontium	86-1	227649	224207	223940	225265	0.92	cps
Strontium	88-1	2022634	1999999	1977169	1999934	1.14	cps
Sulfur	34-1	183679	183109	182620	183136	0.29	cps
Terbium	159-1	7770091	7876933	7923650	7856891	1.00	cps
Terbium	159-2	5692041	5705128	5652365	5683178	0.48	cps
Thallium	203-1	494674	503216	498929	498940	0.86	cps
Thallium	205-1	1157185	1166643	1151028	1158285	0.68	cps
Tin	118-1	427849	435430	433856	432378	0.93	cps
Titanium	47-1	5451	5474	5378	5434	0.93	cps

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	Q2776-01ADLX5	Instrumnet Name :	P7
Client Sample ID :	72825ADL	Dilution Factor :	5
Date & Time Acquired :	2025-08-12 12:12:27	DataFile Name :	036SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	1405117	1446944	1418897	1423653	1.50	cps
Vanadium	51-2	270638	275813	269379	271943	1.25	cps
Yttrium	89-1	10193070	10216431	10032626	10147375	0.99	cps
Yttrium	89-2	3044464	2974822	2925622	2981636	2.00	cps
Zinc	66-2	661072	674793	663398	666421	1.10	cps
Zirconium	90-1	1026050	1039655	1037199	1034301	0.70	cps
Zirconium	91-1	229214	229051	227732	228665	0.36	cps

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	CCV03	Instrumnet Name :	P7
Client Sample ID :	CCV03	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 12:19:08	DataFile Name :	037CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	9125299	9167951	9292283	9195178	0.94	cps
Antimony	121-1	2903175	2947968	2884922	2912022	1.11	cps
Arsenic	75-2	204350	202440	198749	201846	1.41	cps
Barium	135-1	3524500	3631328	3547384	3567737	1.58	cps
Barium	137-1	6156861	6226360	6152900	6178707	0.67	cps
Beryllium	9-1	406626	405703	406709	406346	0.14	cps
Bismuth	209-1	4683761	4392914	4345379	4474018	4.09	cps
Bismuth	209-2	3677147	3739750	3698792	3705230	0.86	cps
Bromine	81-1	10314	10530	10330	10392	1.16	cps
Bromine	81-2	140	187	153	160	15.02	cps
Cadmium	108-1	56061	57002	57972	57012	1.68	cps
Cadmium	106-1	82332	81450	80656	81480	1.03	cps
Cadmium	111-1	788502	792134	786153	788930	0.38	cps
Calcium	43-1	4379131	4420547	4441255	4413644	0.72	cps
Calcium	44-1	71813786	71876487	72455142	72048472	0.49	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1606126	1630334	1633635	1623365	0.93	cps
Cobalt	59-2	2474192	2444012	2471625	2463277	0.68	cps
Copper	63-2	18753852	18972349	18536191	18754131	1.16	cps
Dysprosium	156-1	233	220	183	212	12.20	cps
Dysprosium	156-2	290	247	280	272	8.34	cps
Erbium	164-1	367	407	333	369	9.95	cps
Erbium	164-2	267	310	247	274	11.80	cps
Gadolinium	160-1	207	217	223	216	3.89	cps
Gadolinium	160-2	483	460	443	462	4.35	cps
Holmium	165-1	7853365	7501500	7226916	7527261	4.17	cps
Holmium	165-2	5544207	5599527	5445517	5529751	1.41	cps
Indium	115-1	6499302	6164224	5891084	6184870	4.93	cps
Indium	115-2	2357741	2405914	2320978	2361544	1.80	cps
Iron	56-2	377595168	381506408	372200381	377100652	1.24	cps
Iron	57-2	9362879	9335937	9260770	9319862	0.57	cps
Iron	54-2	21055324	20780623	20932646	20922865	0.66	cps
Krypton	83-1	440	477	537	484	10.07	cps

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	CCV03	Instrumnet Name :	P7
Client Sample ID :	CCV03	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 12:19:08	DataFile Name :	037CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	11020911	11017026	10886532	10974823	0.70	cps
Lead	207-1	9362201	9524207	9342199	9409536	1.06	cps
Lead	208-1	42834567	43702309	42757496	43098124	1.22	cps
Lithium	6-1	474824	461265	447485	461191	2.96	cps
Magnesium	24-2	80413970	79881697	78751759	79682475	1.07	cps
Manganese	55-2	13836020	13410279	13452020	13566106	1.73	cps
Molybdenum	94-1	11490692	11313560	11169207	11324486	1.42	cps
Molybdenum	95-1	16236032	16363939	16041827	16213933	1.00	cps
Molybdenum	96-1	17646658	17833771	17528016	17669482	0.87	cps
Molybdenum	97-1	10213417	10148820	10319258	10227165	0.84	cps
Molybdenum	98-1	25842135	26015366	25830747	25896083	0.40	cps
Neodymium	150-1	193	177	153	174	11.52	cps
Neodymium	150-2	73	60	87	73	18.18	cps
Nickel	60-2	632041	629767	628373	630060	0.29	cps
Phosphorus	31-2	101176	102189	99898	101088	1.14	cps
Potassium	39-2	45606473	45871648	44819931	45432684	1.20	cps
Rhodium	103-1	6392345	6075254	5904629	6124076	4.04	cps
Rhodium	103-2	3747173	3836846	3733734	3772584	1.49	cps
Scandium	45-1	4184356	4026110	3911265	4040577	3.39	cps
Scandium	45-2	411203	422090	407747	413680	1.81	cps
Selenium	82-1	58806	59779	59472	59352	0.84	cps
Selenium	77-2	7282	7158	6932	7124	2.49	cps
Selenium	78-2	24450	24173	23682	24102	1.61	cps
Silicon	28-1	8743925	8929840	8833996	8835921	1.05	cps
Silver	107-1	3950338	4021514	3922001	3964618	1.29	cps
Silver	109-1	3837224	3822292	3829167	3829561	0.20	cps
Sodium	23-2	123116855	121006732	121271288	121798292	0.94	cps
Strontium	86-1	1033384	1040174	1040933	1038163	0.40	cps
Strontium	88-1	9113656	9260186	9055883	9143242	1.15	cps
Sulfur	34-1	432072	434250	430906	432409	0.39	cps
Terbium	159-1	8048348	7731429	7300310	7693362	4.88	cps
Terbium	159-2	5437951	5476969	5421201	5445374	0.53	cps
Thallium	203-1	2678642	2782286	2697932	2719620	2.03	cps
Thallium	205-1	6502525	6449949	6509147	6487207	0.50	cps
Tin	118-1	2449141	2466104	2475143	2463463	0.54	cps
Titanium	47-1	4334430	4381624	4332645	4349566	0.64	cps

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	CCV03	Instrumnet Name :	P7
Client Sample ID :	CCV03	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 12:19:08	DataFile Name :	037CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8464716	8446768	8240705	8384063	1.48	cps
Vanadium	51-2	1426372	1419649	1401656	1415892	0.90	cps
Yttrium	89-1	10287703	10058693	9659603	10002000	3.18	cps
Yttrium	89-2	2872021	2875852	2813693	2853855	1.22	cps
Zinc	66-2	3341034	3348002	3309344	3332793	0.62	cps
Zirconium	90-1	5500878	5717821	5646899	5621866	1.97	cps
Zirconium	91-1	1228883	1243394	1228496	1233591	0.69	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	CCB03	Instrumnet Name :	P7
Client Sample ID :	CCB03	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 12:23:18	DataFile Name :	038CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	347	370	437	384	12.15	cps
Antimony	121-1	353	397	433	394	10.15	cps
Arsenic	75-2	3	23	7	11	96.43	cps
Barium	135-1	130	87	107	108	20.12	cps
Barium	137-1	153	157	147	152	3.35	cps
Beryllium	9-1	7	10	10	9	20.32	cps
Bismuth	209-1	4575414	4588359	4568629	4577468	0.22	cps
Bismuth	209-2	3826744	3997923	3943791	3922819	2.23	cps
Bromine	81-1	10317	10597	10487	10467	1.35	cps
Bromine	81-2	163	177	187	176	6.67	cps
Cadmium	108-1	20	17	13	17	20.01	cps
Cadmium	106-1	2344	2160	2117	2207	5.45	cps
Cadmium	111-1	1670	1550	1546	1589	4.42	cps
Calcium	43-1	297	327	327	317	5.47	cps
Calcium	44-1	29112	28364	27469	28315	2.90	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2067	2033	1953	2018	2.89	cps
Cobalt	59-2	83	90	67	80	15.02	cps
Copper	63-2	1560	1557	1330	1482	8.90	cps
Dysprosium	156-1	0	3	7	3	100.05	cps
Dysprosium	156-2	10	7	7	8	24.71	cps
Erbium	164-1	40	73	53	56	30.20	cps
Erbium	164-2	33	50	33	39	24.75	cps
Gadolinium	160-1	23	40	57	40	41.68	cps
Gadolinium	160-2	337	363	293	331	10.67	cps
Holmium	165-1	7302730	7299814	7332144	7311563	0.24	cps
Holmium	165-2	5332722	5448777	5491612	5424370	1.52	cps
Indium	115-1	6352096	6122949	6122839	6199295	2.13	cps
Indium	115-2	2414945	2475299	2450002	2446749	1.24	cps
Iron	56-2	23632	24440	23625	23899	1.96	cps
Iron	57-2	1483	1663	1627	1591	5.98	cps
Iron	54-2	2974	2760	2914	2883	3.82	cps
Krypton	83-1	607	523	510	547	9.58	cps

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	CCB03	Instrumnet Name :	P7
Client Sample ID :	CCB03	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 12:23:18	DataFile Name :	038CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	563	533	523	540	3.85	cps
Lead	207-1	530	450	407	462	13.54	cps
Lead	208-1	2227	2027	2130	2128	4.70	cps
Lithium	6-1	455373	442568	449367	449102	1.43	cps
Magnesium	24-2	770	690	747	736	5.59	cps
Manganese	55-2	903	847	963	904	6.45	cps
Molybdenum	94-1	460	483	403	449	9.17	cps
Molybdenum	95-1	540	437	447	474	12.01	cps
Molybdenum	96-1	603	523	537	554	7.73	cps
Molybdenum	97-1	320	360	360	347	6.66	cps
Molybdenum	98-1	773	827	750	783	5.02	cps
Neodymium	150-1	3	13	7	8	65.47	cps
Neodymium	150-2	7	3	3	4	43.40	cps
Nickel	60-2	453	507	410	457	10.60	cps
Phosphorus	31-2	710	823	733	756	7.92	cps
Potassium	39-2	80662	79697	80756	80372	0.73	cps
Rhodium	103-1	6374046	6246932	6193227	6271402	1.48	cps
Rhodium	103-2	3922009	3890253	3971223	3927828	1.04	cps
Scandium	45-1	4037826	3808781	3826915	3891174	3.27	cps
Scandium	45-2	406570	408074	397441	404028	1.42	cps
Selenium	82-1	225	245	310	260	17.01	cps
Selenium	77-2	3	7	3	4	43.40	cps
Selenium	78-2	460	557	547	521	10.20	cps
Silicon	28-1	633375	641863	628148	634462	1.09	cps
Silver	107-1	257	300	253	270	9.64	cps
Silver	109-1	287	180	183	217	27.99	cps
Sodium	23-2	51128	50603	50529	50753	0.64	cps
Strontium	86-1	783	733	757	758	3.30	cps
Strontium	88-1	217	200	183	200	8.33	cps
Sulfur	34-1	171968	172898	173148	172671	0.36	cps
Terbium	159-1	7681896	7403827	7418023	7501249	2.09	cps
Terbium	159-2	5447696	5493286	5406011	5448998	0.80	cps
Thallium	203-1	483	507	453	481	5.56	cps
Thallium	205-1	1123	1083	1060	1089	2.94	cps
Tin	118-1	990	990	983	988	0.39	cps
Titanium	47-1	93	67	100	87	20.35	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	CCB03	Instrumnet Name :	P7
Client Sample ID :	CCB03	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 12:23:18	DataFile Name :	038CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	80	50	53	61	26.91	cps
Vanadium	51-2	17	30	27	24	28.38	cps
Yttrium	89-1	10106229	9643888	9749916	9833345	2.46	cps
Yttrium	89-2	2786012	2825903	2799119	2803678	0.73	cps
Zinc	66-2	840	847	813	833	2.12	cps
Zirconium	90-1	483	490	450	474	4.52	cps
Zirconium	91-1	123	90	93	102	17.96	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	Q2776-01DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	72825DUPDL	Dilution Factor :	5
Date & Time Acquired :	2025-08-12 12:33:29	DataFile Name :	039SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	25815	25541	25324	25560	0.96	cps
Antimony	121-1	990	1040	1077	1036	4.20	cps
Arsenic	75-2	257	257	250	254	1.51	cps
Barium	135-1	14367	14391	14237	14332	0.58	cps
Barium	137-1	25005	24822	24959	24929	0.38	cps
Beryllium	9-1	17	7	10	11	45.82	cps
Bismuth	209-1	4737852	4538410	4663137	4646466	2.17	cps
Bismuth	209-2	4141193	4013782	4053137	4069370	1.60	cps
Bromine	81-1	14507	16182	16403	15697	6.60	cps
Bromine	81-2	1453	1450	1530	1478	3.06	cps
Cadmium	108-1	20	40	43	34	36.64	cps
Cadmium	106-1	2247	2434	2390	2357	4.15	cps
Cadmium	111-1	1722	1822	1793	1779	2.89	cps
Calcium	43-1	6281	6511	6168	6320	2.77	cps
Calcium	44-1	133835	133673	134870	134126	0.48	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3937	3864	3971	3924	1.39	cps
Cobalt	59-2	2654	2697	2440	2597	5.29	cps
Copper	63-2	20257	20514	20841	20538	1.43	cps
Dysprosium	156-1	143	150	107	133	17.50	cps
Dysprosium	156-2	117	130	90	112	18.15	cps
Erbium	164-1	183	217	150	183	18.18	cps
Erbium	164-2	143	113	113	123	14.05	cps
Gadolinium	160-1	137	203	183	174	19.61	cps
Gadolinium	160-2	353	470	447	423	14.58	cps
Holmium	165-1	7573063	7599789	7314454	7495768	2.10	cps
Holmium	165-2	5759866	5700542	5687560	5715990	0.67	cps
Indium	115-1	6508043	6464385	6424670	6465699	0.64	cps
Indium	115-2	2538812	2572431	2544633	2551958	0.70	cps
Iron	56-2	7359829	7360412	7423450	7381230	0.50	cps
Iron	57-2	189316	188981	188411	188903	0.24	cps
Iron	54-2	423259	422632	421205	422366	0.25	cps
Krypton	83-1	477	457	467	467	2.14	cps

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LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	Q2776-01DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	72825DUPDL	Dilution Factor :	5
Date & Time Acquired :	2025-08-12 12:33:29	DataFile Name :	039SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	13380	13937	13283	13534	2.61	cps
Lead	207-1	11118	10948	11058	11041	0.78	cps
Lead	208-1	50851	52206	51692	51583	1.33	cps
Lithium	6-1	462265	449234	448618	453372	1.70	cps
Magnesium	24-2	44842	45160	45103	45035	0.38	cps
Manganese	55-2	169903	170992	169750	170215	0.40	cps
Molybdenum	94-1	1243	1157	1297	1232	5.73	cps
Molybdenum	95-1	617	557	477	550	12.77	cps
Molybdenum	96-1	797	940	783	840	10.34	cps
Molybdenum	97-1	343	403	417	388	10.07	cps
Molybdenum	98-1	947	843	883	891	5.85	cps
Neodymium	150-1	227	240	193	220	10.92	cps
Neodymium	150-2	143	107	147	132	16.79	cps
Nickel	60-2	2217	2407	2397	2340	4.57	cps
Phosphorus	31-2	887	880	1013	927	8.11	cps
Potassium	39-2	278327	280655	281009	279997	0.52	cps
Rhodium	103-1	6508054	6452910	6540355	6500440	0.68	cps
Rhodium	103-2	4144585	4247627	4150235	4180816	1.39	cps
Scandium	45-1	4132070	4059814	4048112	4079999	1.11	cps
Scandium	45-2	422755	421497	426128	423460	0.57	cps
Selenium	82-1	421	490	577	496	15.73	cps
Selenium	77-2	53	47	57	52	9.75	cps
Selenium	78-2	673	557	680	637	10.90	cps
Silicon	28-1	1839843	1891184	1939126	1890051	2.63	cps
Silver	107-1	203	230	213	216	6.25	cps
Silver	109-1	210	180	213	201	9.13	cps
Sodium	23-2	1376058	1368635	1382685	1375793	0.51	cps
Strontium	86-1	2117	2087	1973	2059	3.67	cps
Strontium	88-1	11681	11708	11995	11795	1.47	cps
Sulfur	34-1	184951	188358	187137	186815	0.92	cps
Terbium	159-1	7771688	7652547	7790314	7738183	0.97	cps
Terbium	159-2	5656158	5647239	5733519	5678972	0.84	cps
Thallium	203-1	343	373	360	359	4.19	cps
Thallium	205-1	643	687	813	714	12.37	cps
Tin	118-1	2180	1940	2671	2264	16.46	cps
Titanium	47-1	5291	5078	4867	5079	4.17	cps

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	Q2776-01DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	72825DUPDL	Dilution Factor :	5
Date & Time Acquired :	2025-08-12 12:33:29	DataFile Name :	039SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	180	243	170	198	20.11	cps
Vanadium	51-2	1303	1340	1353	1332	1.94	cps
Yttrium	89-1	10566370	10087139	10053166	10235558	2.80	cps
Yttrium	89-2	3003252	2989526	2966556	2986445	0.62	cps
Zinc	66-2	19002	18912	18558	18824	1.25	cps
Zirconium	90-1	2820	2544	2690	2685	5.16	cps
Zirconium	91-1	657	683	543	628	11.84	cps

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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	Q2776-01LDLX25	Instrumnet Name :	P7
Client Sample ID :	72825LDL	Dilution Factor :	25
Date & Time Acquired :	2025-08-12 12:36:41	DataFile Name :	040SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5398	5681	5588	5556	2.60	cps
Antimony	121-1	223	257	197	226	13.33	cps
Arsenic	75-2	40	47	47	44	8.66	cps
Barium	135-1	2897	3094	3050	3014	3.43	cps
Barium	137-1	5268	5151	5244	5221	1.18	cps
Beryllium	9-1	10	17	17	14	26.66	cps
Bismuth	209-1	4511355	4566840	4454559	4510918	1.24	cps
Bismuth	209-2	3972366	3939878	3995925	3969389	0.71	cps
Bromine	81-1	11455	11388	11711	11518	1.48	cps
Bromine	81-2	553	363	400	439	22.97	cps
Cadmium	108-1	17	10	17	14	26.66	cps
Cadmium	106-1	2250	2200	2327	2259	2.82	cps
Cadmium	111-1	1607	1576	1677	1620	3.19	cps
Calcium	43-1	1557	1397	1603	1519	7.14	cps
Calcium	44-1	49441	50056	49735	49744	0.62	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2517	2417	2404	2446	2.53	cps
Cobalt	59-2	643	607	660	637	4.29	cps
Copper	63-2	5184	5228	5141	5184	0.84	cps
Dysprosium	156-1	40	50	27	39	30.10	cps
Dysprosium	156-2	50	27	37	38	30.98	cps
Erbium	164-1	83	77	100	87	13.87	cps
Erbium	164-2	43	60	57	53	16.54	cps
Gadolinium	160-1	63	73	63	67	8.66	cps
Gadolinium	160-2	333	353	403	363	9.92	cps
Holmium	165-1	7506323	7339960	7201925	7349403	2.07	cps
Holmium	165-2	5674769	5520759	5410746	5535425	2.40	cps
Indium	115-1	6250632	6304564	6280779	6278658	0.43	cps
Indium	115-2	2519012	2488645	2488299	2498652	0.71	cps
Iron	56-2	1522773	1533626	1497313	1517904	1.23	cps
Iron	57-2	40876	39930	39445	40083	1.81	cps
Iron	54-2	89676	89159	87553	88796	1.25	cps
Krypton	83-1	567	547	487	533	7.81	cps

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	Q2776-01LDLX25	Instrumnet Name :	P7
Client Sample ID :	72825LDL	Dilution Factor :	25
Date & Time Acquired :	2025-08-12 12:36:41	DataFile Name :	040SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3057	3330	3057	3148	5.01	cps
Lead	207-1	2614	2574	2650	2613	1.47	cps
Lead	208-1	12102	12356	11932	12130	1.76	cps
Lithium	6-1	439021	440726	440988	440245	0.24	cps
Magnesium	24-2	9510	9179	9073	9254	2.46	cps
Manganese	55-2	41089	41775	40625	41163	1.41	cps
Molybdenum	94-1	493	523	543	520	4.84	cps
Molybdenum	95-1	327	283	350	320	10.57	cps
Molybdenum	96-1	453	373	393	407	10.24	cps
Molybdenum	97-1	207	200	247	218	11.59	cps
Molybdenum	98-1	483	453	543	493	9.29	cps
Neodymium	150-1	43	53	63	53	18.75	cps
Neodymium	150-2	53	37	23	38	39.79	cps
Nickel	60-2	860	1007	960	942	7.95	cps
Phosphorus	31-2	820	823	783	809	2.74	cps
Potassium	39-2	119360	119645	119050	119352	0.25	cps
Rhodium	103-1	6293234	6355080	6412768	6353694	0.94	cps
Rhodium	103-2	4110302	4107688	4071966	4096652	0.52	cps
Scandium	45-1	4023139	4060304	3999287	4027577	0.76	cps
Scandium	45-2	415736	413071	409985	412931	0.70	cps
Selenium	82-1	396	381	450	409	8.96	cps
Selenium	77-2	10	7	37	18	92.48	cps
Selenium	78-2	577	610	517	568	8.33	cps
Silicon	28-1	850949	915761	846737	871149	4.44	cps
Silver	107-1	103	123	117	114	8.90	cps
Silver	109-1	97	90	143	110	26.42	cps
Sodium	23-2	305891	305506	304504	305300	0.23	cps
Strontium	86-1	1010	1173	1007	1063	8.96	cps
Strontium	88-1	2584	2490	2734	2602	4.72	cps
Sulfur	34-1	181905	181726	183683	182438	0.59	cps
Terbium	159-1	7538214	7651759	7494539	7561504	1.07	cps
Terbium	159-2	5627072	5495145	5430853	5517690	1.81	cps
Thallium	203-1	320	217	217	251	23.76	cps
Thallium	205-1	533	523	500	519	3.30	cps
Tin	118-1	1407	1480	1513	1467	3.72	cps
Titanium	47-1	1007	1103	1090	1067	4.91	cps

Reviewed By:Janvi
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Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	Q2776-01LDLX25	Instrumnet Name :	P7
Client Sample ID :	72825LDL	Dilution Factor :	25
Date & Time Acquired :	2025-08-12 12:36:41	DataFile Name :	040SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	50	47	57	51	9.96	cps
Vanadium	51-2	287	347	330	321	9.65	cps
Yttrium	89-1	9839382	9832127	9803762	9825090	0.19	cps
Yttrium	89-2	2928524	2890508	2892806	2903946	0.73	cps
Zinc	66-2	4761	4834	4931	4842	1.76	cps
Zirconium	90-1	910	840	847	866	4.46	cps
Zirconium	91-1	187	160	187	178	8.66	cps

Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	CCV04	Instrumnet Name :	P7
Client Sample ID :	CCV04	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 12:39:59	DataFile Name :	041CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	9231847	8989405	9198278	9139843	1.44	cps
Antimony	121-1	2917256	2948351	2852680	2906096	1.68	cps
Arsenic	75-2	202357	203732	201292	202460	0.60	cps
Barium	135-1	3580493	3519967	3380361	3493607	2.94	cps
Barium	137-1	6097459	6252008	6006329	6118598	2.03	cps
Beryllium	9-1	370929	370236	366409	369192	0.66	cps
Bismuth	209-1	4420843	4320342	4340696	4360627	1.22	cps
Bismuth	209-2	3729739	3680352	3718480	3709524	0.70	cps
Bromine	81-1	10354	10290	10754	10466	2.40	cps
Bromine	81-2	117	173	190	160	24.03	cps
Cadmium	108-1	57691	57785	56701	57392	1.05	cps
Cadmium	106-1	81880	82265	81018	81721	0.78	cps
Cadmium	111-1	788894	790024	783001	787306	0.48	cps
Calcium	43-1	4412618	4381887	4316441	4370315	1.12	cps
Calcium	44-1	72231571	72318656	70556956	71702394	1.38	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1618065	1633753	1638990	1630269	0.67	cps
Cobalt	59-2	2480479	2505656	2507615	2497917	0.61	cps
Copper	63-2	19010838	18947467	18630716	18863007	1.08	cps
Dysprosium	156-1	183	160	227	190	17.81	cps
Dysprosium	156-2	270	280	303	284	6.01	cps
Erbium	164-1	390	380	370	380	2.63	cps
Erbium	164-2	277	337	283	299	11.00	cps
Gadolinium	160-1	193	227	163	194	16.29	cps
Gadolinium	160-2	413	487	540	480	13.25	cps
Holmium	165-1	7499880	7438001	7205013	7380965	2.11	cps
Holmium	165-2	5685768	5611632	5616551	5637984	0.74	cps
Indium	115-1	6083753	6109353	6129755	6107620	0.38	cps
Indium	115-2	2419262	2343529	2410605	2391132	1.73	cps
Iron	56-2	377161848	370215154	376014168	374463723	0.99	cps
Iron	57-2	9349584	9165254	9324360	9279733	1.08	cps
Iron	54-2	20637134	20695172	20610253	20647520	0.21	cps
Krypton	83-1	513	487	470	490	4.46	cps

Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	CCV04	Instrumnet Name :	P7
Client Sample ID :	CCV04	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 12:39:59	DataFile Name :	041CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	11038395	10982809	10600499	10873901	2.19	cps
Lead	207-1	9312501	9172364	8981625	9155497	1.81	cps
Lead	208-1	42309517	42104520	41431141	41948393	1.10	cps
Lithium	6-1	465112	452921	444883	454306	2.24	cps
Magnesium	24-2	78372757	77833514	77159792	77788688	0.78	cps
Manganese	55-2	13601001	13451262	13483856	13512040	0.58	cps
Molybdenum	94-1	11393058	11599410	11403995	11465488	1.01	cps
Molybdenum	95-1	16131087	16394868	16295544	16273833	0.82	cps
Molybdenum	96-1	17710829	17731213	17873685	17771909	0.50	cps
Molybdenum	97-1	10135641	10266494	10110481	10170872	0.82	cps
Molybdenum	98-1	26018505	26337243	25810975	26055574	1.02	cps
Neodymium	150-1	180	217	170	189	13.01	cps
Neodymium	150-2	57	77	57	63	18.23	cps
Nickel	60-2	632431	629349	624675	628818	0.62	cps
Phosphorus	31-2	100031	100290	100180	100167	0.13	cps
Potassium	39-2	45383093	44930311	45495354	45269586	0.66	cps
Rhodium	103-1	6255635	6227317	5992232	6158394	2.35	cps
Rhodium	103-2	3903885	3836916	3843952	3861584	0.95	cps
Scandium	45-1	4145720	4058637	3999511	4067956	1.81	cps
Scandium	45-2	420070	415609	419881	418520	0.60	cps
Selenium	82-1	60030	61475	59918	60474	1.44	cps
Selenium	77-2	7205	7369	7185	7253	1.39	cps
Selenium	78-2	24594	24858	23879	24444	2.07	cps
Silicon	28-1	9050588	9088531	8886844	9008655	1.19	cps
Silver	107-1	3994429	4005392	3883142	3960988	1.71	cps
Silver	109-1	3734771	3767203	3814143	3772039	1.06	cps
Sodium	23-2	123125272	121138235	121777705	122013737	0.83	cps
Strontium	86-1	1041822	1035904	1037218	1038315	0.30	cps
Strontium	88-1	9181930	9209810	9184648	9192130	0.17	cps
Sulfur	34-1	440130	437892	430054	436025	1.21	cps
Terbium	159-1	7683417	7685464	7596404	7655095	0.66	cps
Terbium	159-2	5492498	5488085	5417127	5465903	0.77	cps
Thallium	203-1	2729104	2678668	2625697	2677823	1.93	cps
Thallium	205-1	6414221	6427401	6264895	6368839	1.42	cps
Tin	118-1	2482633	2470024	2472952	2475203	0.27	cps
Titanium	47-1	4344943	4363021	4271893	4326619	1.12	cps

Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	CCV04	Instrumnet Name :	P7
Client Sample ID :	CCV04	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 12:39:59	DataFile Name :	041CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8058532	8008841	8020785	8029386	0.32	cps
Vanadium	51-2	1397937	1360892	1392264	1383698	1.44	cps
Yttrium	89-1	10037858	9947611	9861406	9948958	0.89	cps
Yttrium	89-2	2927953	2847535	2858817	2878102	1.51	cps
Zinc	66-2	3298781	3269465	3363795	3310680	1.46	cps
Zirconium	90-1	5666554	5606497	5665268	5646107	0.61	cps
Zirconium	91-1	1233642	1230775	1222373	1228930	0.48	cps

Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	CCB04	Instrumnet Name :	P7
Client Sample ID :	CCB04	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 12:47:23	DataFile Name :	042CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	260	420	360	347	23.32	cps
Antimony	121-1	293	233	243	257	12.52	cps
Arsenic	75-2	3	20	10	11	75.52	cps
Barium	135-1	60	47	73	60	22.22	cps
Barium	137-1	87	103	120	103	16.13	cps
Beryllium	9-1	10	7	3	7	50.03	cps
Bismuth	209-1	4439532	4449938	4383985	4424485	0.80	cps
Bismuth	209-2	3830927	3838586	3833092	3834202	0.10	cps
Bromine	81-1	10400	10057	10307	10255	1.73	cps
Bromine	81-2	133	167	167	156	12.37	cps
Cadmium	108-1	17	7	13	12	41.65	cps
Cadmium	106-1	2157	2234	1997	2129	5.67	cps
Cadmium	111-1	1535	1592	1428	1518	5.47	cps
Calcium	43-1	197	233	250	227	12.04	cps
Calcium	44-1	29068	30421	30641	30044	2.84	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2047	1893	1883	1941	4.72	cps
Cobalt	59-2	80	103	67	83	22.27	cps
Copper	63-2	1350	1187	1247	1261	6.55	cps
Dysprosium	156-1	3	10	7	7	50.03	cps
Dysprosium	156-2	3	0	0	1	173.21	cps
Erbium	164-1	63	17	57	46	55.40	cps
Erbium	164-2	47	40	30	39	21.57	cps
Gadolinium	160-1	50	60	40	50	20.00	cps
Gadolinium	160-2	360	333	353	349	3.98	cps
Holmium	165-1	7257589	7313253	7095706	7222183	1.56	cps
Holmium	165-2	5486331	5458290	5429619	5458080	0.52	cps
Indium	115-1	6203022	6102465	6073936	6126474	1.11	cps
Indium	115-2	2441759	2447049	2473443	2454084	0.69	cps
Iron	56-2	22631	22691	22801	22707	0.38	cps
Iron	57-2	1587	1560	1850	1666	9.62	cps
Iron	54-2	2954	2730	2880	2855	3.99	cps
Krypton	83-1	507	527	533	522	2.66	cps

Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	CCB04	Instrumnet Name :	P7
Client Sample ID :	CCB04	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 12:47:23	DataFile Name :	042CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	470	497	533	500	6.36	cps
Lead	207-1	457	447	417	440	4.73	cps
Lead	208-1	2063	1937	1950	1983	3.51	cps
Lithium	6-1	442229	437208	430536	436657	1.34	cps
Magnesium	24-2	457	463	483	468	2.97	cps
Manganese	55-2	823	803	810	812	1.25	cps
Molybdenum	94-1	463	367	303	378	21.34	cps
Molybdenum	95-1	323	323	313	320	1.80	cps
Molybdenum	96-1	350	383	387	373	5.43	cps
Molybdenum	97-1	230	223	297	250	16.22	cps
Molybdenum	98-1	463	497	510	490	4.91	cps
Neodymium	150-1	13	3	10	9	57.30	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	477	477	430	461	5.84	cps
Phosphorus	31-2	840	777	697	771	9.31	cps
Potassium	39-2	79499	79757	78648	79302	0.73	cps
Rhodium	103-1	6371414	6225352	6130504	6242423	1.94	cps
Rhodium	103-2	4032420	3905692	3979259	3972457	1.60	cps
Scandium	45-1	3991958	3961800	3898891	3950883	1.20	cps
Scandium	45-2	399776	406382	405383	403847	0.88	cps
Selenium	82-1	277	288	215	260	15.22	cps
Selenium	77-2	7	7	0	4	86.60	cps
Selenium	78-2	527	623	547	566	9.02	cps
Silicon	28-1	635319	629710	639312	634780	0.76	cps
Silver	107-1	167	170	203	180	11.27	cps
Silver	109-1	170	180	170	173	3.33	cps
Sodium	23-2	44347	42970	41944	43087	2.80	cps
Strontium	86-1	710	783	873	789	10.37	cps
Strontium	88-1	120	140	153	138	12.18	cps
Sulfur	34-1	173984	174369	177369	175241	1.06	cps
Terbium	159-1	7381539	7203871	7123900	7236437	1.82	cps
Terbium	159-2	5445499	5451714	5411813	5436342	0.39	cps
Thallium	203-1	347	323	333	334	3.50	cps
Thallium	205-1	807	830	803	813	1.79	cps
Tin	118-1	977	987	1037	1000	3.21	cps
Titanium	47-1	113	107	80	100	17.64	cps

Reviewed By:Janvi
On:8/13/2025 4:33:11 PM
Inst Id :P7
LB :LB136790

LB Number :	LB136790	Operator :	Jaswal
Lab Sample ID :	CCB04	Instrumnet Name :	P7
Client Sample ID :	CCB04	Dilution Factor :	1
Date & Time Acquired :	2025-08-12 12:47:23	DataFile Name :	042CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	17	17	20	18	10.81	cps
Vanadium	51-2	10	13	17	13	25.01	cps
Yttrium	89-1	9850989	9778005	9560063	9729685	1.56	cps
Yttrium	89-2	2892350	2875966	2888209	2885508	0.30	cps
Zinc	66-2	837	767	850	818	5.47	cps
Zirconium	90-1	410	583	480	491	17.76	cps
Zirconium	91-1	157	103	60	107	45.39	cps

Alliance TECHNICAL GROUP

Water Mercury Preparation Sheet

PB169158

SOP ID : M7470A-Mercury-20

SDG No : N/A

Matrix : WATER

Pippete ID: HG A

Balance ID : N/A

Filter paper ID : N/A

pH Strip ID : M6069

Hood ID : #1

Block ID: 1. HG HOT BLOCK#3 2. N/A

Start Digest Date: 08/06/2025 **Time :** 12:30 **Temp :** 95 °C

End Digest Date: 08/06/2025 **Time :** 14:32 **Temp :** 95 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature: SHS.

Supervisor Signature:

Temp : 1. 95°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP86664
CCV	30mL	MP86666
CRA	30mL	MP86668
Blank Spike	0.48mL	MP86657
Matrix Spike	0.48mL	MP86657

Chemical Used	ML/SAMPLE USED	Lot Number
HNO3/H2SO4(1:2)	2.25mL	MP85892
KMnO4 (5%)	4.5mL	MP85893
K2S2O8 (5%)	2.4mL	MP85894
Hydroxylamine HCL (12%)	1.8mL	MP85895
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	30mL	MP86658
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP86659
2.5 ppb	S2.5	30mL	MP86660
5.0 ppb	S5.0	30mL	MP86661
7.5 ppb	S7.5	30mL	MP86662
10.0 ppb	S10.0	30mL	MP86663
ICV	ICV	30mL	MP86664
ICB	ICB	30mL	MP86665
CCV	CCV	30mL	MP86666
CCB	CCB	30mL	MP86667
CRI	CRI	30mL	MP86668
CHK STD	CHK STD	30mL	MP86669

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
08/06/25 15:32	SHS metals	Metals Lab
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Comment	Prep Pos
PB169158BL	PBW158	30	30	<2	N/A	1-1
PB169158BS	LCS158	30	30	<2	MP86657	2
PB169158TB	LEB158	30	30	<2	N/A	3
Q2747-02	OU4-TS-GRILLO-OG2-073125	30	30	<2	N/A	4
Q2747-04	OU4-TS-GRILLO-OG3-073125	30	30	<2	N/A	5
Q2747-06	OU4-TS-GRILLO-OG4-073125	30	30	<2	N/A	6
Q2747-08	OU4-TS-GRILLO-TSCP01-073125	30	30	<2	N/A	7
Q2747-10	OU4-TS-GRILLO-TSCP02-073125	30	30	<2	N/A	8
Q2747-10MS	OU4-TS-GRILLO-TSCP02-073125MS	30	30	<2	MP86657	10
Q2747-10MSD	OU4-TS-GRILLO-TSCP02-073125MSD	30	30	<2	MP86657	11
Q2747-10DUP	OU4-TS-GRILLO-TSCP02-073125DUP	30	30	<2	N/A	9

Alliance TECHNICAL GROUP

SPLP EXTRACTION LOGPAGE

PB169102

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB169102TB	LEB102	16	N/A	2000	N/A	N/A	N/A	4.24	1.5	T-2
Q2747-02	OU4-TS-GRILLO-OG2-073125	11	100.02	2000	N/A	N/A	N/A	5.0	1.0	T-2
Q2747-04	OU4-TS-GRILLO-OG3-073125	12	100.03	2000	N/A	N/A	N/A	3.5	1.5	T-2
Q2747-06	OU4-TS-GRILLO-OG4-073125	13	100.02	2000	N/A	N/A	N/A	3.5	1.0	T-2
Q2747-08	OU4-TS-GRILLO-TSCP01-073125	14	100.03	2000	N/A	N/A	N/A	5.5	1.5	T-2
Q2747-10	OU4-TS-GRILLO-TSCP02-073125	15	100.02	2000	N/A	N/A	N/A	5.5	1.0	T-2

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB169128

SOP ID : M3010A-Digestion-17

SDG No : N/A

Matrix : WATER

Pippete ID: ICP A

Balance ID : N/A

Filter paper ID : N/A

pH Strip ID : M6069

Hood ID : #3

Block ID: 1. HOT BLOCK #1 2. N/A

Start Digest Date: 08/05/2025 **Time :** 12:30 **Temp :** 96 °C

End Digest Date: 08/05/2025 **Time :** 14:35 **Temp :** 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: SHS.

Supervisor Signature:

Temp : 1. 96°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
Spike Sol 1	0.50	MP86442
Spike Sol 2	1.00	MP86443
Spike Sol 3	1.00	MP86444
Spike Sol 4	1.00	MP86445
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Conc. HNO3	3.00	M6158
1:1 HCL	5.00	MP85156
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#50 96 C
MP86444,MP86445,X*

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
08/05/25 15:35	SHS Prep Lab	SD (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
PB169128BL	PBW128	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	1
PB169128BS	LCS128	<2	50	50	Colorless	Colorless	Clear	Clear	MP86442,MP86443,X*	2
PB169128TB	LEB128	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	11
Q2747-02	OU4-TS-GRILLO-OG2-073125	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	3
Q2747-04	OU4-TS-GRILLO-OG3-073125	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	4
Q2747-06	OU4-TS-GRILLO-OG4-073125	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	5
Q2747-08	OU4-TS-GRILLO-TSCP01-073125	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	6
Q2747-10	OU4-TS-GRILLO-TSCP02-073125	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	7
Q2747-10MS	OU4-TS-GRILLO-TSCP02-073125MS	<2	50	50	Colorless	Colorless	Clear	Clear	MP86442,MP86443,X*	9
Q2747-10MSD	OU4-TS-GRILLO-TSCP02-073125MSD	<2	50	50	Colorless	Colorless	Clear	Clear	MP86442,MP86443,X*	10
Q2747-10DUP	OU4-TS-GRILLO-TSCP02-073125DUP	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	8

Alliance TECHNICAL GROUP

SPLP EXTRACTION LOGPAGE

PB169102

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Pre Pos
PB169102TB	LEB102	16	N/A	2000	N/A	N/A	N/A	4.24	1.5	T-2
Q2747-02	OU4-TS-GRILLO-OG2-073125	11	100.02	2000	N/A	N/A	N/A	5.0	1.0	T-2
Q2747-04	OU4-TS-GRILLO-OG3-073125	12	100.03	2000	N/A	N/A	N/A	3.5	1.5	T-2
Q2747-06	OU4-TS-GRILLO-OG4-073125	13	100.02	2000	N/A	N/A	N/A	3.5	1.0	T-2
Q2747-08	OU4-TS-GRILLO-TSCP01-073125	14	100.03	2000	N/A	N/A	N/A	5.5	1.5	T-2
Q2747-10	OU4-TS-GRILLO-TSCP02-073125	15	100.02	2000	N/A	N/A	N/A	5.5	1.0	T-2

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 # LB136712

Review By	jaswal	Review On	8/8/2025 11:55:13 AM
Supervise By	Janvi	Supervise On	8/12/2025 3:59:14 PM

STD. NAME	STD REF.#
ICAL Standard	MP86441,MP86469,MP86468,MP86451,MP86450,MP86449,MP86448,MP86447,MP86446
ICV Standard	MP86500,MP86468
CCV Standard	MP86470
ICSA Standard	MP86496,MP86497
CRI Standard	MP86468
LCS Standard	
Chk Standard	MP86472,MP86473

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	TUNE	TUNE	TUNE	08/05/25 10:50		Jaswal	OK
2	S0	S0	CAL1	08/05/25 11:28		Jaswal	OK
3	S2	S2	CAL3	08/05/25 11:34		Jaswal	OK
4	S3	S3	CAL4	08/05/25 11:38		Jaswal	OK
5	S4	S4	CAL5	08/05/25 11:41		Jaswal	OK
6	S5	S5	CAL6	08/05/25 11:44		Jaswal	OK
7	S6	S6	CAL7	08/05/25 11:47		Jaswal	OK
8	S7	S7	CAL8	08/05/25 11:49		Jaswal	OK
9	S8	S8	CAL9	08/05/25 11:52		Jaswal	OK
10	ICV01	ICV01	ICV	08/05/25 12:52		Jaswal	OK
11	LLICV01	LLICV01	LLICV	08/05/25 13:08		Jaswal	OK
12	ICB01	ICB01	ICB	08/05/25 13:12		Jaswal	OK
13	ICSA01	ICSA01	ICSA	08/05/25 13:39		Jaswal	OK
14	ICSAB01	ICSAB01	ICSAB	08/05/25 14:04		Jaswal	OK
15	CCV01	CCV01	CCV	08/05/25 14:07		Jaswal	OK
16	CCB01	CCB01	CCB	08/05/25 14:10		Jaswal	OK
17	CRI	CRI	CRDL	08/05/25 14:14		Jaswal	OK
18	Q2719-02DL	50765DL	SAM	08/05/25 14:18	INT_STD 45Sc(1&2),89Y(1&2),159Tb(1),209Bi(1) Fail	Jaswal	Dilution

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 # LB136712

Review By	jaswal	Review On	8/8/2025 11:55:13 AM
Supervise By	Janvi	Supervise On	8/12/2025 3:59:14 PM

STD. NAME	STD REF.#
ICAL Standard	MP86441,MP86469,MP86468,MP86451,MP86450,MP86449,MP86448,MP86447,MP86446
ICV Standard	MP86500,MP86468
CCV Standard	MP86470
ICSA Standard	MP86496,MP86497
CRI Standard	MP86468
LCS Standard	
Chk Standard	MP86472,MP86473

19	Q2719-02DUPDL	50765DUPDL	DUP	08/05/25 14:31	INT_STD 45Sc(1&2),89Y(1&2),159Tb(1),209Bi(1) Fail	Jaswal	Dilution
20	Q2719-02LDL	50765LDL	SD	08/05/25 14:34	INT_STD 45Sc(1&2),89Y(1&2),159Tb(1),209Bi(1) Fail	Jaswal	Dilution
21	Q2719-02MSDL	50765MSDL	MS	08/05/25 14:37	INT_STD 45Sc(1&2),89Y(1&2),159Tb(1),209Bi(1) Fail	Jaswal	Dilution
22	Q2719-02MSDDL	50765MSDDL	MSD	08/05/25 14:40	INT_STD 45Sc(1&2),89Y(1&2),159Tb(1),209Bi(1) Fail	Jaswal	Dilution
23	Q2719-02ADL	50765ADL	PS	08/05/25 14:43	INT_STD 45Sc(1&2),89Y(1&2),159Tb(1),209Bi(1) Fail	Jaswal	Dilution
24	CCV02	CCV02	CCV	08/05/25 14:46		Jaswal	OK
25	CCB02	CCB02	CCB	08/05/25 14:53		Jaswal	OK
26	PB169097BL	PB169097BL	MB	08/05/25 14:57		Jaswal	OK
27	PB169097BS	PB169097BS	LCS	08/05/25 15:00		Jaswal	OK
28	Q2736-01	PAD-073125	SAM	08/05/25 15:04		Jaswal	OK
29	Q2736-01DUP	PAD-073125DUP	DUP	08/05/25 15:07		Jaswal	OK
30	Q2736-01L	PAD-073125L	SD	08/05/25 15:10		Jaswal	OK
31	Q2736-01MS	PAD-073125MS	MS	08/05/25 15:13		Jaswal	OK
32	Q2736-01MSD	PAD-073125MSD	MSD	08/05/25 15:15		Jaswal	OK

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Fax : 908 789 8922

Instrument ID: P7

Daily Analysis Runlog For Sequence/QCBatch ID # LB136712

Review By	jaswal	Review On	8/8/2025 11:55:13 AM
Supervise By	Janvi	Supervise On	8/12/2025 3:59:14 PM

STD. NAME	STD REF.#
ICAL Standard	MP86441,MP86469,MP86468,MP86451,MP86450,MP86449,MP86448,MP86447,MP86446
ICV Standard	MP86500,MP86468
CCV Standard	MP86470
ICSA Standard	MP86496,MP86497
CRI Standard	MP86468
LCS Standard	
Chk Standard	MP86472,MP86473

33	Q2736-01A	PAD-073125A	PS	08/05/25 15:18	0.1ML of mp86442, 0.2ml of each mp86443,mp86444,mp86445 in 10ml sample	Jaswal	OK
34	Q2719-02DUPDL2	50765DUPDL2	DUP	08/05/25 15:24	25X For INT_STD 45Sc(1&2),89Y(1&2),159Tb(1),209Bi(1)	Jaswal	Confirms
35	CCV03	CCV03	CCV	08/05/25 15:28		Jaswal	OK
36	CCB03	CCB03	CCB	08/05/25 15:30		Jaswal	OK
37	Q2719-02LDL2	50765LDL2	SD	08/05/25 15:34	125X For INT_STD 45Sc(1&2),89Y(1&2),159Tb(1),209Bi(1)	Jaswal	Confirms
38	Q2719-02MSDL2	50765MSDL2	MS	08/05/25 15:37	25X For INT_STD 45Sc(1&2),89Y(1&2),159Tb(1),209Bi(1)	Jaswal	Confirms
39	Q2719-02MSDDL2	50765MSDDL2	MSD	08/05/25 15:40	25X For INT_STD 45Sc(1&2),89Y(1&2),159Tb(1),209Bi(1)	Jaswal	Confirms
40	Q2719-02ADL2	50765ADL2	PS	08/05/25 15:43	25X For INT_STD 45Sc(1&2),89Y(1&2),159Tb(1),209Bi(1)	Jaswal	Confirms
41	Q2719-02DL2	50765DL2	SAM	08/05/25 15:46	25X For INT_STD 45Sc(1&2),89Y(1&2),159Tb(1),209Bi(1)	Jaswal	Confirms
42	Q2736-02DL	4023DL	SAM	08/05/25 15:56		Jaswal	OK
43	Q2736-04DL	4044DL	SAM	08/05/25 15:59	K High	Jaswal	Dilution
44	Q2739-01DL	50743DL	SAM	08/05/25 16:02		Jaswal	OK
45	CCV04	CCV04	CCV	08/05/25 16:05		Jaswal	OK
46	CCB04	CCB04	CCB	08/05/25 16:08		Jaswal	OK

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Instrument ID: P7

Daily Analysis Runlog For Sequence/QCBatch ID # LB136712

Review By	jaswal	Review On	8/8/2025 11:55:13 AM
Supervise By	Janvi	Supervise On	8/12/2025 3:59:14 PM

STD. NAME	STD REF.#
ICAL Standard	MP86441,MP86469,MP86468,MP86451,MP86450,MP86449,MP86448,MP86447,MP86446
ICV Standard	MP86500,MP86468
CCV Standard	MP86470
ICSA Standard	MP86496,MP86497
CRI Standard	MP86468
LCS Standard	
Chk Standard	MP86472,MP86473

47	Q2736-03A	4043A	PS	08/05/25 16:13	0.1ML of mp86442, 0.2ml of each mp86443,mp86444,mp86445 in 10ml sample	Jaswal	OK
48	Q2736-03DUP	4043DUP	DUP	08/05/25 16:16		Jaswal	OK
49	Q2736-03L	4043L	SD	08/05/25 16:19		Jaswal	OK
50	Q2736-03MS	4043MS	MS	08/05/25 16:22		Jaswal	OK
51	Q2736-03MSD	4043MSD	MSD	08/05/25 16:25		Jaswal	OK
52	Q2736-03	4043	SAM	08/05/25 16:28		Jaswal	OK
53	Q2736-04DL2	4044DL2	SAM	08/05/25 16:30	25X For K	Jaswal	Confirms
54	Q2739-01DL2	50743DL2	SAM	08/05/25 16:34	Not Required	Jaswal	Not Ok
55	CCV05	CCV05	CCV	08/05/25 16:43		Jaswal	OK
56	CCB05	CCB05	CCB	08/05/25 17:02		Jaswal	OK
57	PB169128TB	PB169128TB	MB	08/05/25 17:05		Jaswal	OK
58	Q2747-02DL	OU4-TS-GRILLO-OG2	SAM	08/05/25 17:09		Jaswal	OK
59	Q2747-04DL	OU4-TS-GRILLO-OG3	SAM	08/05/25 17:12		Jaswal	OK
60	Q2747-06DL	OU4-TS-GRILLO-OG4	SAM	08/05/25 17:15		Jaswal	OK
61	Q2747-08DL	OU4-TS-GRILLO-TSC	SAM	08/05/25 17:18		Jaswal	OK
62	Q2747-10DL	OU4-TS-GRILLO-TSC	SAM	08/05/25 17:21		Jaswal	OK
63	Q2747-10DUPDL	OU4-TS-GRILLO-TSC	DUP	08/05/25 17:25		Jaswal	OK
64	Q2747-10LDL	OU4-TS-GRILLO-TSC	SD	08/05/25 17:28		Jaswal	OK

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Instrument ID: P7

Daily Analysis Runlog For Sequence/QCBatch ID # LB136712

Review By	jaswal	Review On	8/8/2025 11:55:13 AM
Supervise By	Janvi	Supervise On	8/12/2025 3:59:14 PM

STD. NAME	STD REF.#
ICAL Standard	MP86441,MP86469,MP86468,MP86451,MP86450,MP86449,MP86448,MP86447,MP86446
ICV Standard	MP86500,MP86468
CCV Standard	MP86470
ICSA Standard	MP86496,MP86497
CRI Standard	MP86468
LCS Standard	
Chk Standard	MP86472,MP86473

65	Q2747-10MSDL	OU4-TS-GRILLO-TSC	MS	08/05/25 17:31		Jaswal	OK
66	Q2747-10MSDDL	OU4-TS-GRILLO-TSC	MSD	08/05/25 17:34		Jaswal	OK
67	CCV06	CCV06	CCV	08/05/25 17:37		Jaswal	OK
68	CCB06	CCB06	CCB	08/05/25 17:47		Jaswal	OK
69	Q2747-10ADL	OU4-TS-GRILLO-TSC	PS	08/05/25 17:50	0.1ML of mp86442, 0.2ml of each mp86443,mp86444,mp86445 in 10ml sample before dilution	Jaswal	OK
70	CCV07	CCV07	CCV	08/05/25 17:53		Jaswal	OK
71	CCB07	CCB07	CCB	08/05/25 18:00		Jaswal	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB136732

Review By	MOHAN	Review On	8/8/2025 1:20:13 PM
Supervise By	jaswal	Supervise On	8/8/2025 1:24:22 PM

STD. NAME	STD REF.#
ICAL Standard	MP86657,MP86658,MP86659,MP86660,MP86661,MP86662,MP86663
ICV Standard	MP86664
CCV Standard	MP86666
ICSA Standard	
CRI Standard	MP86668
LCS Standard	
Chk Standard	MP86665,MP86667,MP86669,MP86672

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	08/07/25 09:27		MOHAN	OK
2	S0.2	S0.2	CAL2	08/07/25 09:29		MOHAN	OK
3	S2.5	S2.5	CAL3	08/07/25 09:31		MOHAN	OK
4	S5	S5	CAL4	08/07/25 09:33		MOHAN	OK
5	S7.5	S7.5	CAL5	08/07/25 09:36		MOHAN	OK
6	S10	S10	CAL6	08/07/25 09:38		MOHAN	OK
7	ICV56	ICV56	ICV	08/07/25 09:41		MOHAN	OK
8	ICB56	ICB56	ICB	08/07/25 09:46		MOHAN	OK
9	CCV95	CCV95	CCV	08/07/25 09:48		MOHAN	OK
10	CCB95	CCB95	CCB	08/07/25 09:51		MOHAN	OK
11	CRA	CRA	CRDL	08/07/25 09:58		MOHAN	OK
12	HighStd	HighStd	HIGH STD	08/07/25 10:00		MOHAN	OK
13	ChkStd	ChkStd	SAM	08/07/25 10:02		MOHAN	OK
14	PB169158BL	PB169158BL	MB	08/07/25 10:07		MOHAN	OK
15	PB169158BS	PB169158BS	LCS	08/07/25 10:10		MOHAN	OK
16	Q2747-02	OU4-TS-GRILLO-OG2	SAM	08/07/25 10:12		MOHAN	OK
17	Q2747-04	OU4-TS-GRILLO-OG3	SAM	08/07/25 10:14		MOHAN	OK
18	Q2747-06	OU4-TS-GRILLO-OG4	SAM	08/07/25 10:17		MOHAN	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB136732

Review By	MOHAN	Review On	8/8/2025 1:20:13 PM
Supervise By	jaswal	Supervise On	8/8/2025 1:24:22 PM

STD. NAME	STD REF.#
ICAL Standard	MP86657,MP86658,MP86659,MP86660,MP86661,MP86662,MP86663
ICV Standard	MP86664
CCV Standard	MP86666
ICSA Standard	
CRI Standard	MP86668
LCS Standard	
Chk Standard	MP86665,MP86667,MP86669,MP86672

19	Q2747-08	OU4-TS-GRILLO-TSC	SAM	08/07/25 10:19		MOHAN	OK
20	Q2747-10	OU4-TS-GRILLO-TSC	SAM	08/07/25 10:21		MOHAN	OK
21	CCV96	CCV96	CCV	08/07/25 10:23		MOHAN	OK
22	CCB96	CCB96	CCB	08/07/25 10:26		MOHAN	OK
23	Q2747-10DUP	OU4-TS-GRILLO-TSC	DUP	08/07/25 10:28		MOHAN	OK
24	Q2747-10MS	OU4-TS-GRILLO-TSC	MS	08/07/25 10:30		MOHAN	OK
25	Q2747-10MSD	OU4-TS-GRILLO-TSC	MSD	08/07/25 10:32		MOHAN	OK
26	PB169158TB	PB169158TB	MB	08/07/25 10:35		MOHAN	OK
27	Q2747-10L	OU4-TS-GRILLO-TSC	SD	08/07/25 10:37		MOHAN	OK
28	Q2747-10A	OU4-TS-GRILLO-TSC	PS	08/07/25 10:39		MOHAN	OK
29	CCV97	CCV97	CCV	08/07/25 10:42		MOHAN	OK
30	CCB97	CCB97	CCB	08/07/25 10:44		MOHAN	OK

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Instrument ID: P7

Daily Analysis Runlog For Sequence/QCBatch ID # LB136790

Review By	jaswal	Review On	8/13/2025 3:57:20 AM
Supervise By	Janvi	Supervise On	8/13/2025 4:33:11 PM

STD. NAME	STD REF.#
ICAL Standard	MP86441,MP86469,MP86468,MP86451,MP86450,MP86449,MP86448,MP86447,MP86446
ICV Standard	MP86500,MP86468
CCV Standard	MP86470
ICSA Standard	MP86496,MP86497
CRI Standard	MP86468
LCS Standard	
Chk Standard	MP86472,MP86473

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	TUNE	TUNE	TUNE	08/12/25 09:29		Jaswal	OK
2	S0	S0	CAL1	08/12/25 10:08		Jaswal	OK
3	S2	S2	CAL3	08/12/25 10:11		Jaswal	OK
4	S3	S3	CAL4	08/12/25 10:18		Jaswal	OK
5	S4	S4	CAL5	08/12/25 10:21		Jaswal	OK
6	S5	S5	CAL6	08/12/25 10:24		Jaswal	OK
7	S6	S6	CAL7	08/12/25 10:27		Jaswal	OK
8	S7	S7	CAL8	08/12/25 10:29		Jaswal	OK
9	S8	S8	CAL9	08/12/25 10:32		Jaswal	OK
10	ICV01	ICV01	ICV	08/12/25 10:51		Jaswal	OK
11	LLICV01	LLICV01	LLICV	08/12/25 10:54		Jaswal	OK
12	ICB01	ICB01	ICB	08/12/25 11:04		Jaswal	OK
13	ICSA01	ICSA01	ICSA	08/12/25 11:11		Jaswal	OK
14	ICSAB01	ICSAB01	ICSAB	08/12/25 11:14		Jaswal	OK
15	CCV01	CCV01	CCV	08/12/25 11:17		Jaswal	OK
16	CCB01	CCB01	CCB	08/12/25 11:20		Jaswal	OK
17	CRI	CRI	CRDL	08/12/25 11:23		Jaswal	OK
18	PB169128BL	PB169128BL	MB	08/12/25 11:28		Jaswal	OK

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Instrument ID: P7

Daily Analysis Runlog For Sequence/QCBatch ID # LB136790

Review By	jaswal	Review On	8/13/2025 3:57:20 AM
Supervise By	Janvi	Supervise On	8/13/2025 4:33:11 PM

STD. NAME	STD REF.#
ICAL Standard	MP86441,MP86469,MP86468,MP86451,MP86450,MP86449,MP86448,MP86447,MP86446
ICV Standard	MP86500,MP86468
CCV Standard	MP86470
ICSA Standard	MP86496,MP86497
CRI Standard	MP86468
LCS Standard	
Chk Standard	MP86472,MP86473

19	PB169128BS	PB169128BS	LCS	08/12/25 11:31		Jaswal	OK
20	PB169194BL	PB169194BL	MB	08/12/25 11:34		Jaswal	OK
21	PB169194BS	PB169194BS	LCS	08/12/25 11:37		Jaswal	OK
22	Q2776-01DL	72825DL	SAM	08/12/25 11:40		Jaswal	OK
23	Q2776-01DUPDLRE	72825DUPDLRE	DUP	08/12/25 11:43	Not used	Jaswal	Not Ok
24	Q2776-01LDLRE	72825LDLRE	SD	08/12/25 11:46	Not used	Jaswal	Not Ok
25	Q2776-01MSDL	72825MSDL	MS	08/12/25 11:49		Jaswal	OK
26	CCV02	CCV02	CCV	08/12/25 12:01		Jaswal	OK
27	CCB02	CCB02	CCB	08/12/25 12:05		Jaswal	OK
28	Q2776-01MSDDL	72825MSDDL	MSD	08/12/25 12:09		Jaswal	OK
29	Q2776-01ADL	72825ADL	PS	08/12/25 12:12	0.1 ML OF MP86442 AND 0.2 ML OF EACH MP86443,MP86444,MP86445 IN 10 ML SAMPLE BEFORE DILUTION.	Jaswal	OK
30	CCV03	CCV03	CCV	08/12/25 12:19		Jaswal	OK
31	CCB03	CCB03	CCB	08/12/25 12:23		Jaswal	OK
32	Q2776-01DUPDL	72825DUPDL	DUP	08/12/25 12:33		Jaswal	OK
33	Q2776-01LDL	72825LDL	SD	08/12/25 12:36		Jaswal	OK
34	CCV04	CCV04	CCV	08/12/25 12:39		Jaswal	OK
35	CCB04	CCB04	CCB	08/12/25 12:47		Jaswal	OK

Alliance TECHNICAL GROUP

SPLP EXTRACTION LOGPAGE

PB169102

SOP ID : M1312-SPLP-10

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-7

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : T-2

TCLP Filter ID : 115525

Start Prep Date : 08/04/2025 **Time :** 14:00

End Prep Date : 08/05/2025 **Time :** 07:35

Combination Ratio : 20

ZHE Cleaning Batch : ~~N/A~~ 18

Initial Room Temperature: 23 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : 18

Supervisor By : 12

Standared Name	MLS USED	STD REF. # FROM LOG
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

Chemical Used	ML/SAMPLE U	Lot Number
SPLP FLUID	N/A	WP112802
N/A	N/A	N/A
HNO3-TCLP,1N	N/A	WP112799
pH Strips	N/A	W1931,W1934,W3171,W3172
pH Strips	W1940,W1941,W1942	W3166,W1938,W1939,
N/A	N/A	N/A
120ml Plastic bottle	N/A	2738
1:1 HNO3	N/A	MP84041

Extraction Conformance/Non-Conformance Comments:

TUMBLER T-2 checked,30 rpm. Particle size reduction is not required.. q2747-10 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
08/05/25 10:00	[illegible] Lab Room	SHS. INT DIG
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

SPLP EXTRACTION LOGPAGE

PB169102

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB169102TB	LEB102	16	N/A	2000	N/A	N/A	N/A	4.24	1.5	T-2
Q2747-02	OU4-TS-GRILLO-OG2-073125	11	100.02	2000	N/A	N/A	N/A	5.0	1.0	T-2
Q2747-04	OU4-TS-GRILLO-OG3-073125	12	100.03	2000	N/A	N/A	N/A	3.5	1.5	T-2
Q2747-06	OU4-TS-GRILLO-OG4-073125	13	100.02	2000	N/A	N/A	N/A	3.5	1.0	T-2
Q2747-08	OU4-TS-GRILLO-TSCP01-073125	14	100.03	2000	N/A	N/A	N/A	5.5	1.5	T-2
Q2747-10	OU4-TS-GRILLO-TSCP02-073125	15	100.02	2000	N/A	N/A	N/A	5.5	1.0	T-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB169102TB	LEB102	N/A	N/A	N/A	N/A	N/A	N/A
Q2747-02	OU4-TS-GRILLO-OG2-073125	N/A	N/A	N/A	N/A	100	N/A
Q2747-04	OU4-TS-GRILLO-OG3-073125	N/A	N/A	N/A	N/A	100	N/A
Q2747-06	OU4-TS-GRILLO-OG4-073125	N/A	N/A	N/A	N/A	100	N/A
Q2747-08	OU4-TS-GRILLO-TSCP01-073125	N/A	N/A	N/A	N/A	100	N/A
Q2747-10	OU4-TS-GRILLO-TSCP02-073125	N/A	N/A	N/A	N/A	100	N/A

Alliance TECHNICAL GROUP

SPLP Fluid Determination

PB169102

Hot Block ID : WC S-1 / WC S-2

Thermometer ID : FLASHPOINT

SampleID	ClientID	Sample Weight (g)	Volume DI Water (mL)	PH after 5 min stir	PH after 10 min stir	Extraction Fluid 1 or 2	pH Extraction Fluid
PB169102TB	LEB102	N/A	N/A	N/A	N/A	#1	4.24
Q2747-02	OU4-TS-GRILLO-OG2-073125	N/A	N/A	N/A	N/A	#1	4.24
Q2747-04	OU4-TS-GRILLO-OG3-073125	N/A	N/A	N/A	N/A	#1	4.24
Q2747-06	OU4-TS-GRILLO-OG4-073125	N/A	N/A	N/A	N/A	#1	4.24
Q2747-08	OU4-TS-GRILLO-TSCP01-073125	N/A	N/A	N/A	N/A	#1	4.24
Q2747-10	OU4-TS-GRILLO-TSCP02-073125	N/A	N/A	N/A	N/A	#1	4.24

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Prep Standard - Chemical Standard Summary

Order ID : Q2747

Test : SPLP Mercury,SPLP MetalGroup3

Prepbatch ID : PB169128,PB169158,

Sequence ID/Qc Batch ID: LB136712,LB136732,LB136790,

Standard ID :
MP85156,MP85892,MP85893,MP85894,MP85895,MP86441,MP86442,MP86443,MP86444,MP86445,MP86446,MP86447,MP86448,MP86449,MP86450,MP86451,MP86466,MP86468,MP86469,MP86470,MP86471,MP86472,MP86473,MP86496,MP86497,MP86500,MP86657,MP86658,MP86659,MP86660,MP86661,MP86662,MP86663,MP86664,MP86665,MP86666,MP86667,MP86668,MP86669,MP86672,

Chemical ID :
M4371,M4465,M4916,M5062,M5305,M5471,M5519,M5520,M5658,M5739,M5751,M5798,M5799,M5800,M5801,M5805,M5811,M5815,M5817,M5873,M5874,M5884,M5942,M5960,M5961,M5962,M5977,M5981,M6021,M6023,M6025,M6026,M6028,M6030,M6032,M6041,M6055,M6079,M6086,M6127,M6128,M6137,M6142,M6144,M6145,M6151,M6153,M6158,M6159,M6160,M6162,M6163,M6164,M6165,W3112,

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
170	1:1HCL	MP85156	04/07/2025	09/06/2025	Kareem Khairalla	None	None	Sarabjit Jaswal 04/07/2025

FROM 1250.00000ml of M6151 + 1250.00000ml of W3112 = Final Quantity: 2500.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3965	2:1 H2SO4 : HNO3	MP85892	06/05/2025	11/27/2025	Mohan Bera	None	None	Sarabjit Jaswal 06/14/2025

FROM 1600.00000ml of M6041 + 800.00000ml of M6162 = Final Quantity: 3200.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
65	POTASSIUM PERMANGANATE SOLUTION 5 %	MP85893	06/05/2025	12/05/2025	Mohan Bera	METALS_SCALE_3 (M SC-3)	None	Sarabjit Jaswal 06/14/2025

FROM 100.00000gram of M4916 + 2000.00000ml of W3112 = Final Quantity: 2000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
66	POTASSIUM PERSULFATE SOLUTION 5 %	MP85894	06/05/2025	08/31/2025	Mohan Bera	METALS_SCALE_3 (M SC-3)	None	Sarabjit Jaswal 06/14/2025

FROM 100.00000ml of M4465 + 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
67	SODIUM CHLORIDE - HYDROXYL- CHLORIDE SOLUTION	MP85895	06/05/2025	08/15/2025	Mohan Bera	METALS_SCALE_3 (M SC-3)	None	Sarabjit Jaswal 06/14/2025

FROM 2000.00000ml of W3112 + 240.00000gram of M4371 + 240.00000gram of M5884 = Final Quantity: 2000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1122	ICPMS CALIB BLANK(S0/ICB/CCB)	MP86441	07/18/2025	08/12/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 07/23/2025

FROM 25.00000ml of M6151 + 4925.00000ml of W3112 + 50.00000ml of M6162 = Final Quantity: 5000.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3880	M&B SPIKE-1	MP86442	07/18/2025	08/12/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 07/23/2025

FROM 5.00000ml of M5471 + 5.00000ml of M5658 + 5.00000ml of M5798 + 5.00000ml of M5800 + 5.00000ml of M5961 + 5.00000ml of M5962 + 5.00000ml of M5981 + 5.00000ml of M6021 + 5.00000ml of M6023 + 5.00000ml of M6028 + 5.00000ml of M6030 + 5.00000ml of M6079 + 5.00000ml of M6160 + 35.00000ml of MP86441 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3881	M&B SPIKE-2	MP86443	07/18/2025	08/12/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 07/23/2025

FROM 10.00000ml of M5942 + 10.00000ml of M5977 + 12.50000ml of M5519 + 12.50000ml of M5811 + 12.50000ml of M6032 + 2.50000ml of M5799 + 2.50000ml of M6137 + 5.00000ml of M6159 + 32.50000ml of MP86441 = 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
3882	M&B SPIKE-3	MP86444	07/18/2025	08/12/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 07/23/2025

FROM 0.62500ml of M6026 + 12.50000ml of M5751 + 12.50000ml of M6128 + 12.50000ml of M6145 + 11.87500ml of MP86441 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3900	M&B SPIKE-4	MP86445	07/18/2025	08/12/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 07/23/2025

FROM 6.25000ml of M6086 + 6.25000ml of M6127 + 6.25000ml of M6144 + 6.25000ml of MP86441 = Final Quantity: 25.000 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	MP86446	07/18/2025	08/12/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 07/23/2025

FROM 1.00000ml of M6159 + 2.50000ml of M5811 + 2.50000ml of M6142 + 5.00000ml of M6086 + 5.00000ml of M6127 + 5.00000ml of M6144 + 79.00000ml of MP86441 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3947	S7(SFAM,6020,200.8)	MP86447	07/18/2025	08/12/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 07/23/2025

FROM 0.10000ml of M6153 + 0.40000ml of M6026 + 1.00000ml of M5799 + 1.00000ml of M5981 + 1.00000ml of M6079 + 1.00000ml of M6137 + 1.90000ml of M6159 + 10.00000ml of M5942 + 10.00000ml of M5977 + 10.00000ml of M6162 + 2.00000ml of M5815 + 2.00000ml of M5817 + 4.00000ml of M6032 + 4.90000ml of M5520 + 4.90000ml of M5811 + 5.00000ml of M6151 + 50.00000ml of M5305 + 834.10000ml of W3112 + 9.00000ml of M5751 + 9.00000ml of M6128 + 9.00000ml of M6145 + 9.90000ml of M6086 + 9.90000ml of M6127 + 9.90000ml of M6144 = 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)	MP86448	07/18/2025	08/12/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 07/23/2025

FROM 0.50000ml of M6151 + 1.00000ml of M6162 + 48.50000ml of W3112 + 50.00000ml of MP86447 = 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)	MP86449	07/18/2025	08/12/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 07/23/2025

FROM 0.50000ml of M6151 + 1.00000ml of M6162 + 73.50000ml of W3112 + 25.00000ml of MP86447 = 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)	MP86450	07/18/2025	08/12/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 07/23/2025

FROM 0.50000ml of M6151 + 1.00000ml of M6162 + 86.00000ml of W3112 + 12.50000ml of MP86447 = 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)	MP86451	07/18/2025	08/12/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 07/23/2025

FROM 0.50000ml of M6151 + 1.00000ml of M6162 + 88.50000ml of W3112 + 10.00000ml of MP86448 = 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)	MP86466	07/18/2025	08/12/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 07/24/2025

FROM 0.00000ml of M5471 + 0.00500ml of M6153 + 0.05000ml of M5798 + 0.05000ml of M5800 + 0.05000ml of M5801 + 0.05000ml of M5960 + 0.05000ml of M5981 + 0.05000ml of M6023 + 0.05000ml of M6025 + 0.05000ml of M6028 + 0.05000ml of M6030 + 0.05000ml of M6079 + 0.05000ml of M6128 + 0.10000ml of M5658 + 0.10000ml of M5751 + 0.10000ml of M6159 + 0.10000ml of M6160 + 0.25000ml of M5799 + 0.25000ml of M5811 + 0.25000ml of M5942 + 0.25000ml of M5962 + 0.25000ml of M5977 + 0.25000ml of M6021 + 0.25000ml of M6145 + 0.50000ml of M6032 + 0.50000ml of M6137 + 1.25000ml of M5815 + 1.25000ml of M5817 + 1.25000ml of M6151 + 2.50000ml of M5520 + 2.50000ml of M6086 + 2.50000ml of M6127 + 2.50000ml of M6144 + 2.50000ml of M6162 + 230.04500ml of W3112 = 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)	MP86468	07/18/2025	08/12/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 07/24/2025

FROM 0.50000ml of M6151 + 1.00000ml of M6162 + 98.00000ml of W3112 + 0.50000ml of MP86466 = 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)	MP86469	07/18/2025	08/12/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 07/24/2025

FROM 0.50000ml of M6151 + 1.00000ml of M6162 + 88.50000ml of W3112 + 10.00000ml of MP86468 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3961	CCV	MP86470	07/18/2025	08/12/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 07/24/2025

FROM 0.00000ml of M5805 + 0.20000ml of M6026 + 0.50000ml of M5471 + 0.50000ml of M5799 + 0.50000ml of M5981 + 0.50000ml of M6079 + 0.50000ml of M6137 + 1.00000ml of M5815 + 1.00000ml of M5817 + 10.00000ml of M6162 + 12.45000ml of M5520 + 12.45000ml of M5811 + 2.00000ml of M6032 + 24.95000ml of M6086 + 24.95000ml of M6127 + 24.95000ml of M6144 + 25.00000ml of M5305 + 4.50000ml of M5751 + 4.50000ml of M6128 + 4.50000ml of M6145 + 4.95000ml of M6159 + 5.00000ml of M6151 + 5.50000ml of M5942 + 5.50000ml of M5977 + 824.10000ml of W3112 = Final Quantity: 1000.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3962	MG 10PPM FOR TUNE	MP86471	07/18/2025	08/12/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 07/24/2025

FROM 0.01000ml of M6127 + 9.99000ml of MP86441 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3894	TUNE 200PPB	MP86472	07/18/2025	08/12/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 07/24/2025

FROM 2.00000ml of M6055 + 2.00000ml of MP86471 + 96.00000ml of MP86441 = Final Quantity: 100.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3903	ISS 3PPM	MP86473	07/18/2025	08/12/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 07/24/2025

FROM 5.00000ml of M6162 + 75.00000ml of M5739 + 170.00000ml of MP86441 = Final Quantity: 250.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1142	ICSA ICPMS	MP86496	07/18/2025	08/12/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 07/24/2025

FROM 10.00000ml of M5873 + 90.00000ml of MP86441 = Final Quantity: 100.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1143	ICSAB ICPMS	MP86497	07/18/2025	08/12/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 07/24/2025

FROM 10.00000ml of M5873 + 10.00000ml of M5874 + 80.00000ml of MP86441 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4213	NEW ICV-6020B	MP86500	07/18/2025	08/12/2025	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 07/24/2025

FROM 0.00800ml of M6163 + 0.00800ml of M6164 + 0.01600ml of M6165 + 49.96800ml of MP86441 = Final Quantity: 50.000 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.	MP86657	08/06/2025	08/07/2025	Mohan Bera	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 08/11/2025

FROM 1.00000ml of M6162 + 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	MP86658	08/06/2025	08/07/2025	Mohan Bera	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 08/11/2025

FROM 2.50000ml of M6162 + 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	MP86659	08/06/2025	08/07/2025	Mohan Bera	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 08/11/2025

FROM 2.50000ml of M6162 + 247.30000ml of W3112 + 0.20000ml of MP86657 = 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	MP86660	08/06/2025	08/07/2025	Mohan Bera	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 08/11/2025

FROM 2.50000ml of M6162 + 245.00000ml of W3112 + 2.50000ml of MP86657 = 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	MP86661	08/06/2025	08/07/2025	Mohan Bera	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 08/11/2025

FROM 2.50000ml of M6162 + 242.50000ml of W3112 + 5.00000ml of MP86657 = 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	MP86662	08/06/2025	08/07/2025	Mohan Bera	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 08/11/2025

FROM 2.50000ml of M6162 + 240.00000ml of W3112 + 7.50000ml of MP86657 = 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	MP86663	08/06/2025	08/07/2025	Mohan Bera	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 08/11/2025

FROM 2.50000ml of M6162 + 237.50000ml of W3112 + 10.00000ml of MP86657 = Final Quantity: 250.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1346	Hg ICV SOLUTION	MP86664	08/06/2025	08/07/2025	Mohan Bera	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 08/11/2025

FROM 2.50000ml of M6162 + 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
1351	ICB (Hg 0.00 PPB SOLUTION)	MP86665	08/06/2025	08/07/2025	Mohan Bera	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 08/11/2025

FROM 2.50000ml of M6162 + 247.50000ml of W3112 = Final Quantity: 250.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1358	CCV (Hg 5.0 PPB SOLUTION)	MP86666	08/06/2025	08/07/2025	Mohan Bera	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 08/11/2025

FROM 485.00000ml of W3112 + 5.00000ml of M6162 + 10.00000ml of MP86657 = 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
1352	CCB (Hg 0.00 PPB SOLUTION)	MP86667	08/06/2025	08/07/2025	Mohan Bera	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 08/11/2025

FROM 495.00000ml of W3112 + 5.00000ml of M6162 = Final Quantity: 500.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1349	CRA/CRI (Hg 0.2 PPB SOLUTION)	MP86668	08/06/2025	08/07/2025	Mohan Bera	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 08/11/2025

FROM 2.50000ml of M6162 + 247.30000ml of W3112 + 0.20000ml of MP86657 = 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
1350	CHK STD (Hg 7.0 PPB SOLUTION)	MP86669	08/06/2025	08/07/2025	Mohan Bera	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 08/11/2025

FROM 2.50000ml of M6162 + 240.50000ml of W3112 + 7.00000ml of MP86657 = Final Quantity: 250.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
104	5% RINSING HCL	MP86672	08/06/2025	08/17/2025	Mohan Bera	None	None	Sarabjit Jaswal 08/11/2025

FROM 100.00000ml of M6151 + 1900.00000ml of W3112 = Final Quantity: 2000.000 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
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 #
Inorganic Ventures	6020CAL-1 / Calibration Standard Method 6020	S2-MEB711244	10/20/2026	03/07/2025 / JANVI	04/01/2022 / jaswal	M5305

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	082922	08/29/2025	04/14/2025 / jaswal	03/16/2023 / jaswal	M5471

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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.	57119 / Potassium (K) 10,000PPM	120822	12/08/2025	08/01/2024 / Jaswal	03/17/2023 / bin	M5520

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 #
Inorganic Ventures	6020ISS / 6020ISS, 10 ug/ml, Bi, Ho, In, 6Li, Rh, Sc, TB, Y	T2-MEB709511	09/03/2026	08/07/2024 / jaswal	04/11/2022 / jaswal	M5739

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58029 / Cu, 1000 PPM, 500 ml	071723	07/17/2026	10/01/2024 / Jaswal	08/25/2023 / jaswal	M5751

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57004 / Be, 1000 PPM, 125 ml	102523	10/25/2026	02/09/2024 / bin	02/09/2024 / bin	M5798

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57050 / Sn, 1000 PPM, 125 ml	071123	07/11/2026	02/09/2024 / bin	02/09/2024 / bin	M5799

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57027 / CO, 1000 PPM, 125 ml	091923	09/19/2026	05/31/2024 / bin	02/09/2024 / bin	M5800

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57033 / As, 1000 PPM, 125 ml	111323	11/13/2026	02/09/2024 / bin	02/09/2024 / bin	M5801

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58120 / Ca, 10000 PPM, 500 ml	122223	12/22/2026	04/17/2025 / Janvi	01/03/2024 / jaswal	M5805

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	051523	05/15/2026	02/06/2025 / kareem	01/03/2024 / jaswal	M5811

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57115 / P, 10000 PPM, 125 ml	041723	04/17/2026	05/21/2024 / Jaswal	02/09/2024 / jaswal	M5815

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57116 / S, 10000 PPM, 125 ml	071123	07/11/2026	03/01/2024 / jaswal	02/09/2024 / jaswal	M5817

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
EPA	PART A / ICSA (ICPMS) STOCK SOLN	CP-MS ICSA-0803	08/12/2025	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	08/12/2025	04/17/2024 / jaswal	07/14/2022 / jaswal	M5874

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-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 #
Inorganic Ventures	CGTI1-1 / TITANIUM 125mL 1000ug/mL	T2-TI719972	06/17/2027	06/18/2024 / Jaswal	02/22/2024 / Jaswal	M5942

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	07/03/2024 / kareem	06/11/2024 / kareem	M5960

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57028 / Ni, 1000 PPM, 125 ml	041124	04/11/2027	07/02/2024 / Jaswal	06/11/2024 / Jaswal	M5961

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57034 / Se, 1000 PPM, 125 ml	060624	06/06/2027	07/02/2024 / Jaswal	06/14/2024 / Jaswal	M5962

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGMO1-1 / MOLYBDENUM 125mL 1000ug/mL	T2-MO720876	07/17/2027	01/16/2025 / JANVI	02/22/2024 / Jaswal	M5977

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.	57023 / V, 1000 PPM, 125 ml	062424	06/24/2027	09/28/2024 / jaswal	08/05/2024 / Jaswal	M6021

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57081 / Tl, 1000 PPM, 125 ml	0624724	06/27/2027	08/05/2024 / kareem	08/05/2024 / Jaswal	M6023

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57082 / Pb, 1000 PPM, 125 ml	061224	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.	57182 / Pb, 10000 PPM, 125 ml	110923	11/09/2026	12/05/2024 / janvi	08/05/2024 / Jaswal	M6026

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

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	010924	01/09/2027	01/14/2025 / Jaswal	08/05/2024 / Jaswal	M6032

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

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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 #
Absolute Standards, Inc.	57040 / Zr, 1000 PPM, 125 ml	071423	07/14/2026	01/15/2025 / Jaswal	09/30/2024 / Jaswal	M6079

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58120 / Calcium, 500 ml, 10000 PPM	082324	08/23/2027	03/06/2025 / JANVI	10/14/2024 / jaswal	M6086

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	112124	11/21/2027	01/13/2025 / kareem	01/13/2025 / kareem	M6127

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	101124	10/11/2027	01/13/2025 / kareem	01/13/2025 / kareem	M6128

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGSI1-1 / SILICON 125mL 1000ug/mL	V2-SI744713	07/10/2029	01/14/2025 / Jaswal	10/03/2024 / Jaswal	M6137

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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	103024	10/30/2027	05/06/2025 / JANVI	01/13/2025 / Jaswal	M6142

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	072424	07/24/2027	01/23/2025 / kareem	01/13/2025 / Jaswal	M6144

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	121724	12/17/2027	02/04/2025 / jaswal	01/13/2025 / Jaswal	M6145

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	08/17/2025	02/18/2025 / Sagar	01/15/2025 / Sagar	M6151

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGSR10 / Strontium (SR), 125mL 10,000ppm	V2-SR754329	02/28/2026	02/28/2025 / JANVI	01/07/2025 / JANVI	M6153

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	09/09/2025	03/10/2025 / Eman	02/02/2025 / Sagar	M6158

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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	011325	03/18/2026	03/18/2025 / kareem	02/09/2025 / kareem	M6159

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	071724	07/17/2027	03/24/2025 / kareem	10/18/2024 / kareem	M6160

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)	24H0162012	11/27/2025	05/27/2025 / Sagar	04/27/2025 / Sagar	M6162

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	QCP-CICV-1-125ML / EPA CLP ICP Verification Standard1	V2-MEB744107	06/08/2026	06/09/2025 / jaswal	06/06/2025 / jaswal	M6163

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	QCP-CICV-2-125ML / EPA CLP ICP Verification Standard2	U2-MEB733713	06/08/2026	06/09/2025 / jaswal	06/09/2025 / jaswal	M6164

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	QCP-CICV-3-125ML / EPA CLP ICP Verification Standard3	V2-MEB749572	06/08/2026	06/09/2025 / jaswal	06/09/2025 / jaswal	M6165

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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	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

Absolute Standards, Inc.
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Certified Reference Material CRM

M6032

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R 8/5/24

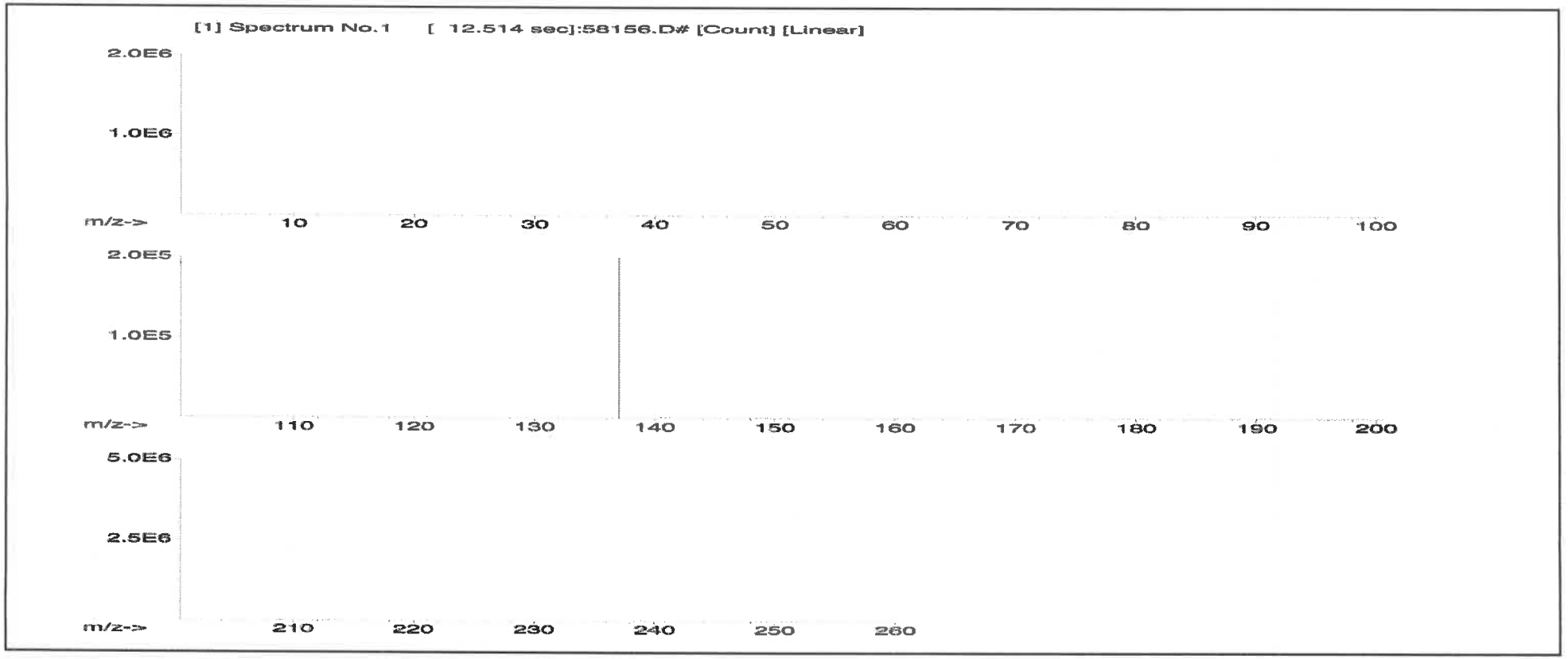
CERTIFIED WEIGHT REPORT:

Part Number:	**57056**		**Solvent:**	24002546	Nitric Acid
Lot Number:	**010924**				
Description:	**Barium (Ba)**			2%	40.0 (mL) Nitric Acid
Expiration Date:	010927				
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		

Lot #

Giovanni Esposito		
Formulated By:	Giovanni Esposito	010924
Pedro Rentas		
Reviewed By:	Pedro L. Rentas	010924

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	3.82441	**1000.1**	**2.0**	10022-31-8	0.5 mg/m3	orl-rat 355 mg/kg	3104a



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	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:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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R: 01/03/24 M5804, M5805

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CERTIFIED WEIGHT REPORT:

Part Number: 58120
Lot Number: 122223
Description: Calcium (Ca)

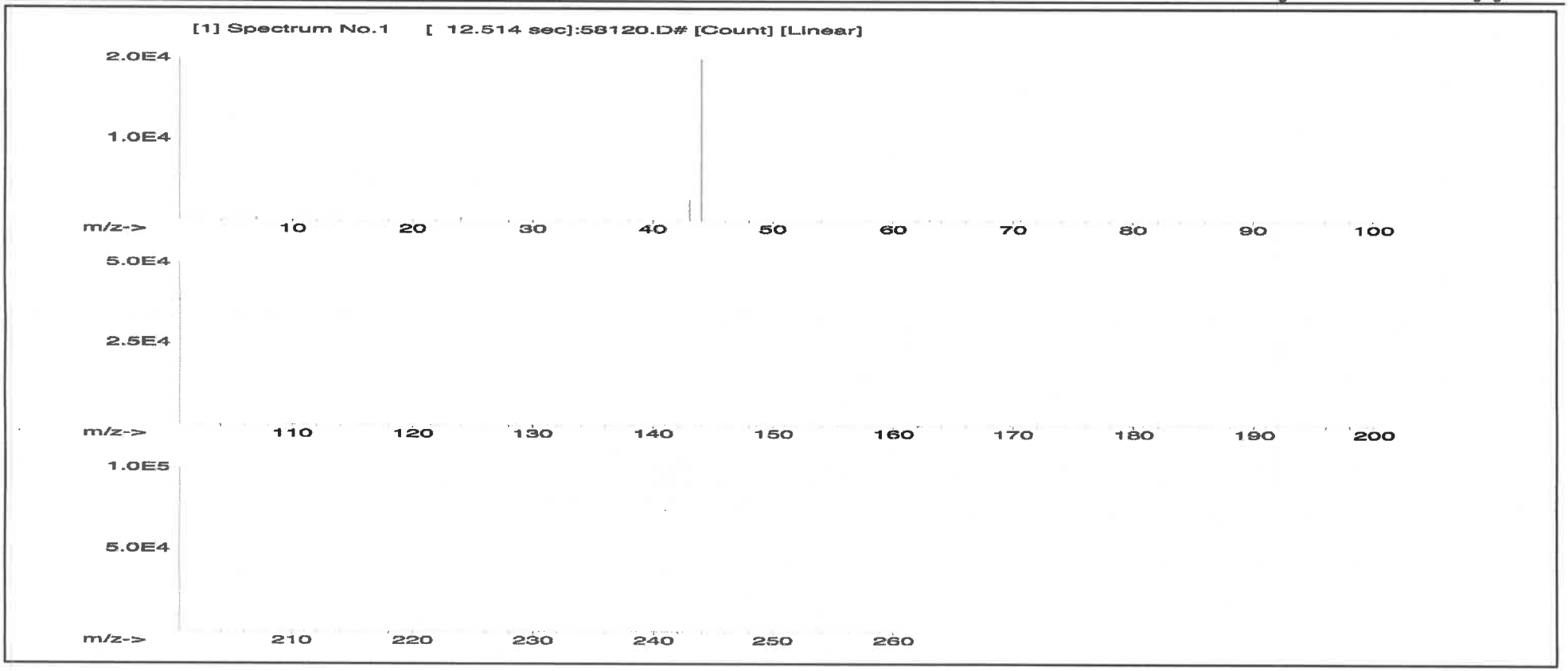
Expiration Date: 122226
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 4000.0

	Lot #			
Solvent:	24002546	Nitric Acid		
2%	80.0 (mL)	Nitric Acid		
			5E-05	Balance Uncertainty
			0.06	Flask Uncertainty

Giovanni Esposito
Formulated By: Giovanni Esposito 122223

Pedro Rentas
Reviewed By: Pedro L. Rentas 122223

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Calcium carbonate (Ca)	IN014	CAD03202383	10000	99.999	0.10	39.9	100.2525	100.2670	**10001.4**	**20.0**	471-34-1	5 mg/m3	orl-rat >2000mg/kg	3109a



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	T	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	30	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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Revd 10/14/2024 M6085/M6086/M6087

CERTIFIED WEIGHT REPORT:

Part Number:	**58120**		**Lot #**		
Lot Number:	**082324**		**Solvent:**	24002546	Nitric Acid
Description:	**Calcium (Ca)**				
			2%	80.0 (mL)	Nitric Acid
Expiration Date:	082327				
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):	4000.1	0.15	Flask Uncertainty		

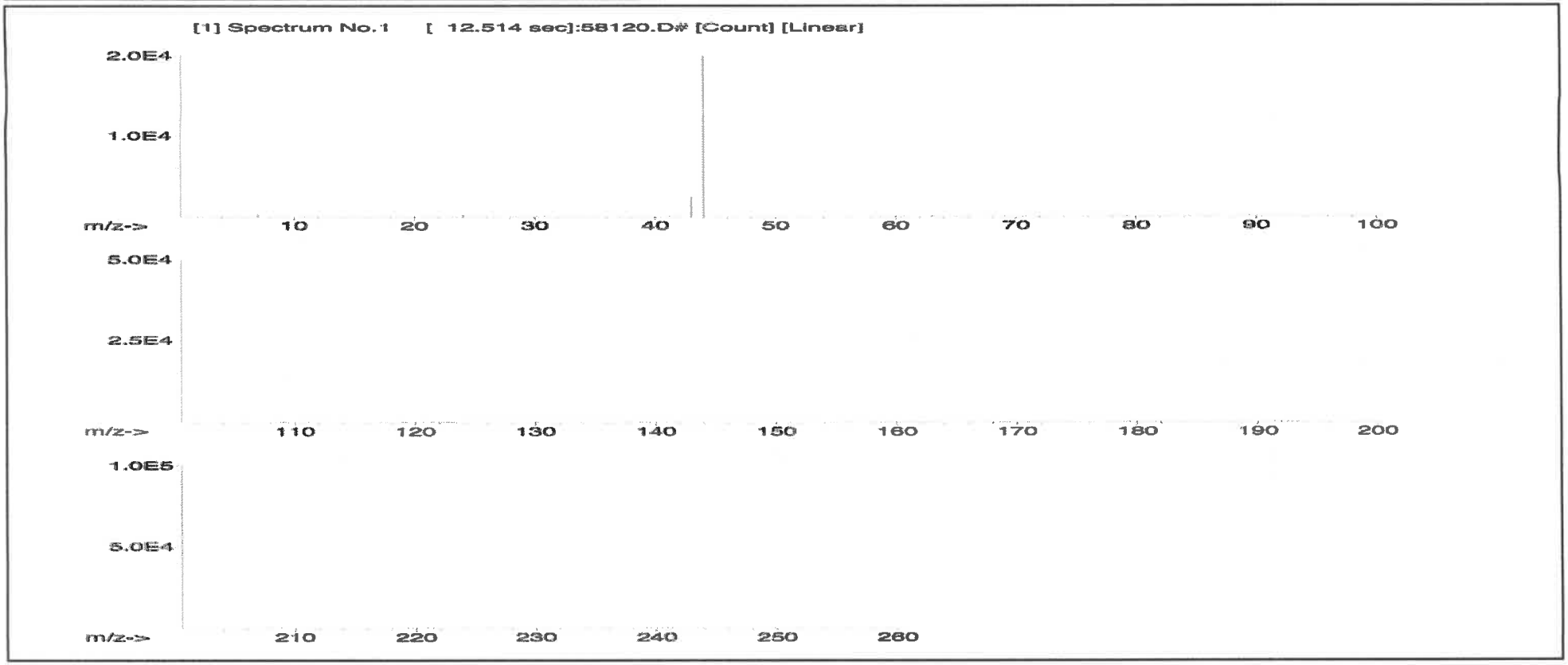
Giovanni Esposito

Formulated By:	Giovanni Esposito	082324

Pedro Rentas

Reviewed By:	Pedro L. Rentas	082324

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	CAD03203B3	10000	99.999	0.10	39.9	100.2537	100.2656	**10001.2**	**20.0**	471-34-1	5 mg/m3	ori-rat >2000mg/kg	3109a



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	T	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	30	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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M6028

R: 8/5/24

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CERTIFIED WEIGHT REPORT:

Part Number: 57048
Lot Number: 070124
Description: Cadmium (Cd)

Expiration Date: 070127
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB

Weight shown below was diluted to (mL): 2000.07 0.100 Flask Uncertainty

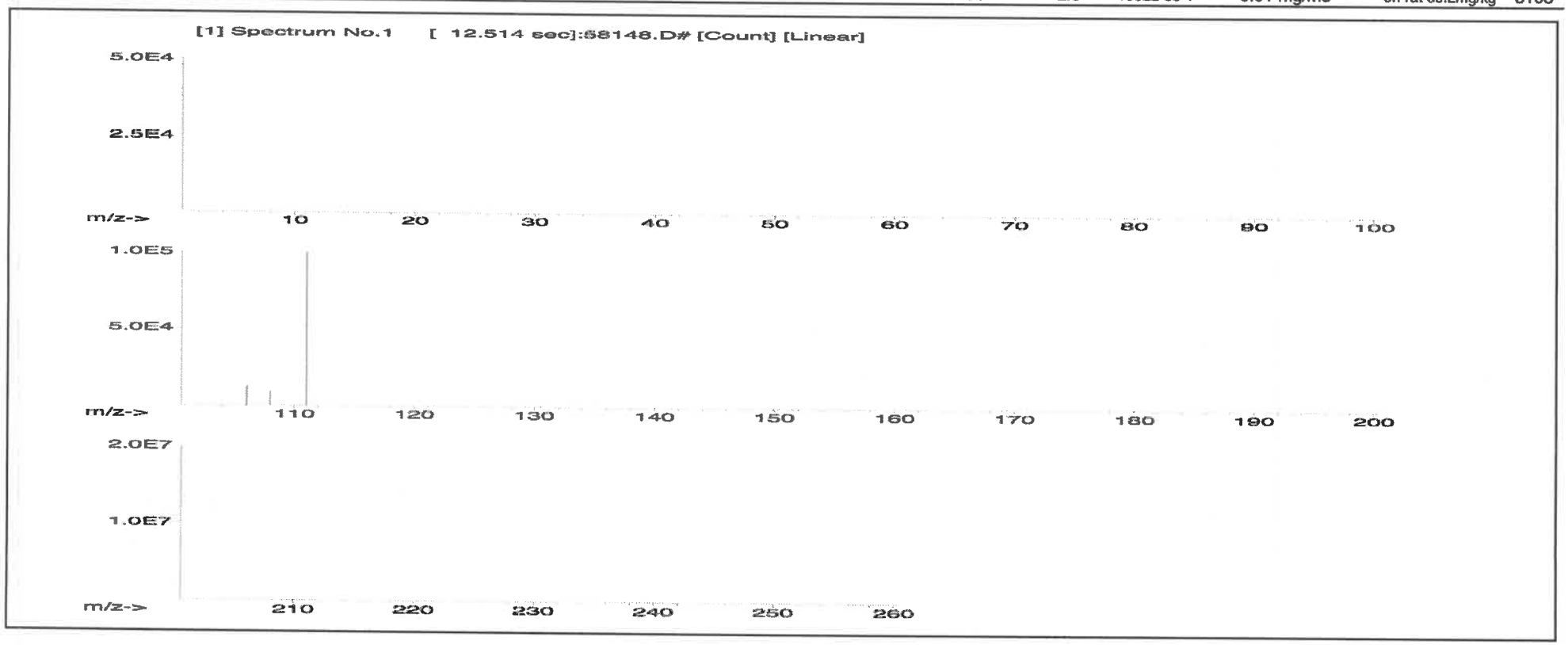
		Lot #	
Solvent:	24002546	Nitric Acid	
2%	40.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty

Aleah O'Brady

Formulated By:	Aleah O'Brady	070124
Reviewed By:	Pedro L. Rentas	070124

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Cadmium nitrate tetrahydrate (Cd)	IN024	CDM092021A1	1000	99.999	0.10	36.5	5.4797	5.4804	**1000.1**	**2.0**	10022-68-1	0.01 mg/m3	orl-rat 60.2mg/kg	3108



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	T	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

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R : 01/03/24. M5810, M5811

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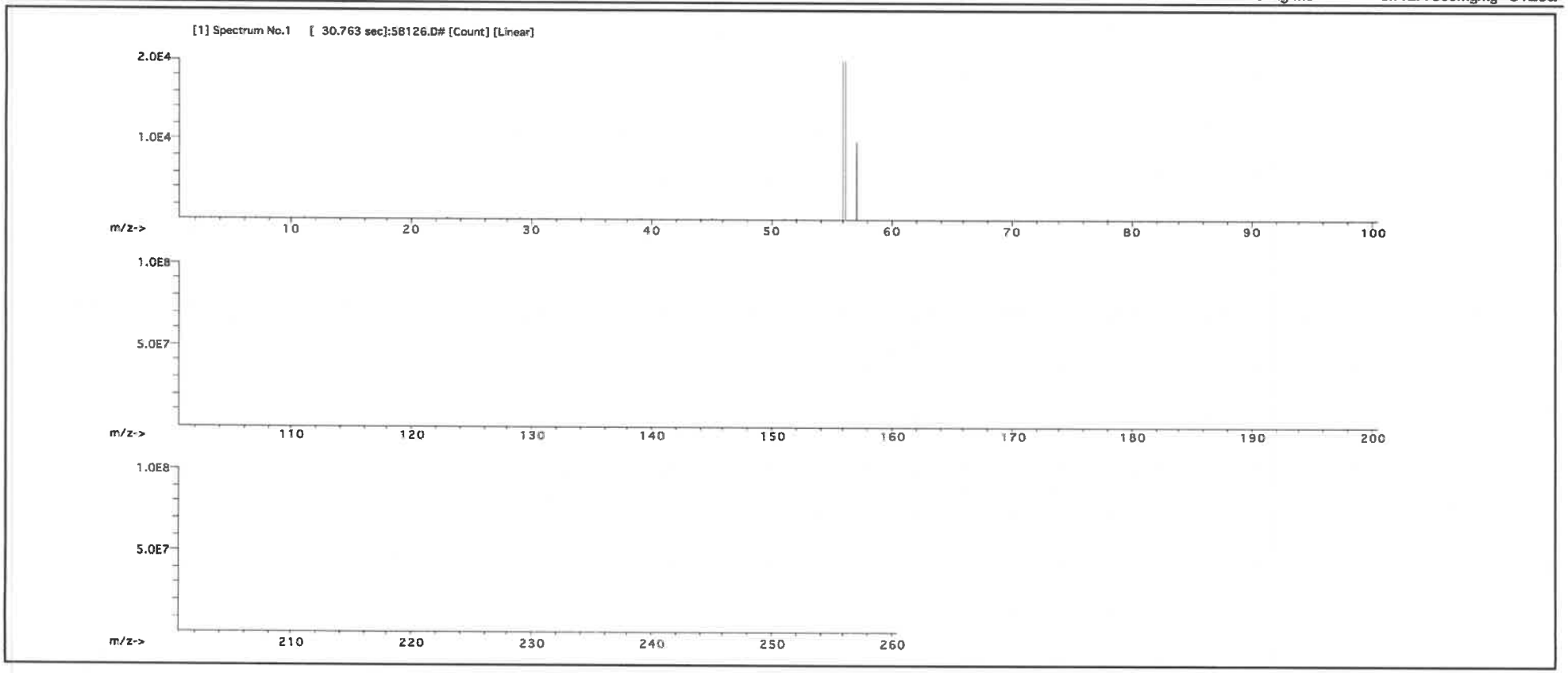
CERTIFIED WEIGHT REPORT:

Part Number:	**58126**			**Lot #**	
Lot Number:	**051523**		**Solvent:**	21110221	Nitric Acid
Description:	**Iron (Fe)**		5.0%	250.0 (mL)	Nitric Acid
Expiration Date:	051526				
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	051523
Reviewed By:	Pedro L. Rentas	051523

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	2302010-500	10000	99.995	0.10	100.0	50.0034	50.0111	**10001.5**	**20.0**	7439-89-6	5 mg/m3	orl-rat 7500mg/kg	3126a



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.10	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.10	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.05	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.10	Ge	<0.10	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.10
B	<0.02	Cu	<0.10	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

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Certified Reference Material CRM

R: 8/15/24 M6025

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CERTIFIED WEIGHT REPORT:

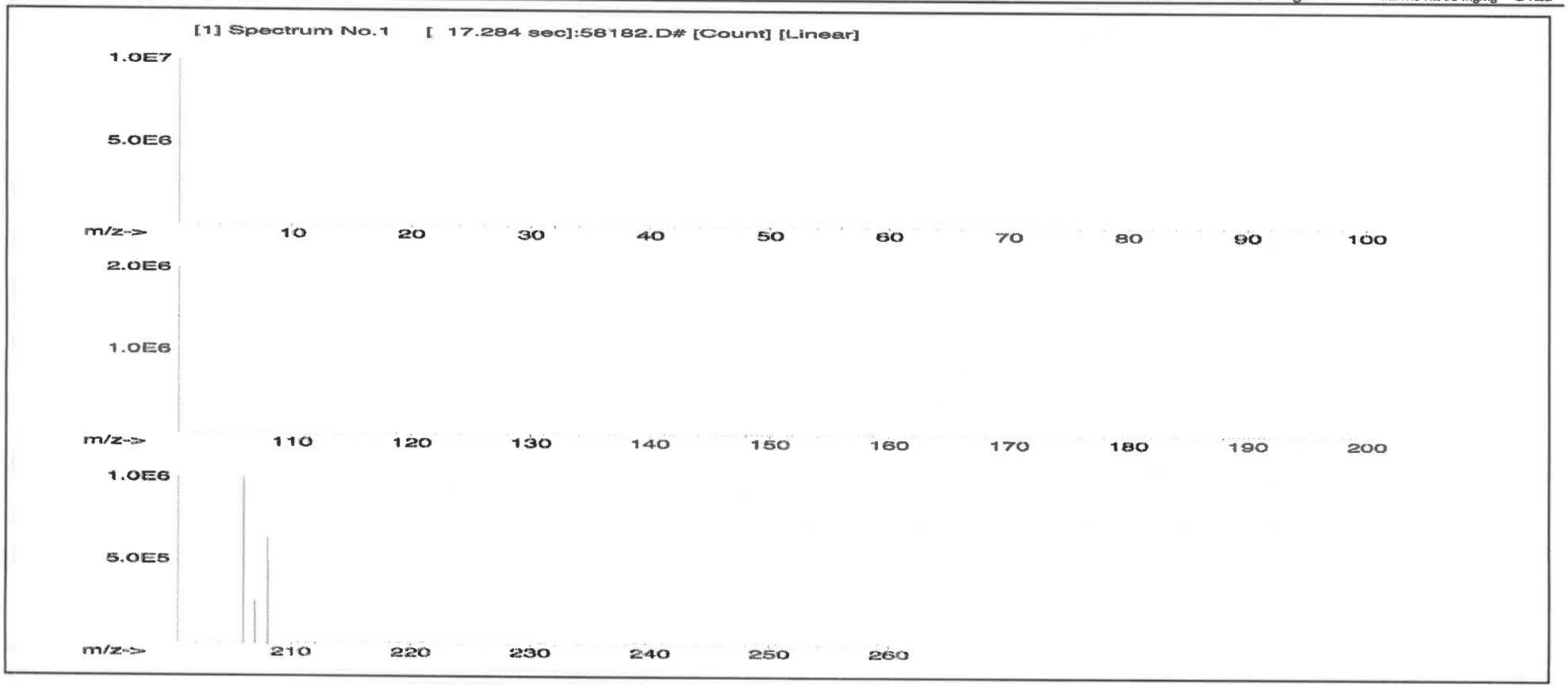
Part Number: 57182
Lot Number: 110923
Description: Lead (Pb)

Expiration Date: 110926
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 2000.02

	Lot #		
Solvent:	24002546	Nitric Acid	
2%	40.0 (mL)	Nitric Acid	
	5E-05	Balance Uncertainty	
	0.058	Flask Uncertainty	

Formulated By:	Lawence Barry	110923
Reviewed By:	Pedro L. Rentas	110923

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Lead(II) nitrate (Pb)	IN029	PBD122016A1	10000	99.999	0.10	62.5	32.0006	32.0040	**10001.1**	**20.0**	10099-74-8	0.05 mg/m3	intrvns-rat 93 mg/kg	3128



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	T	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

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M6026

R: 8/5/24

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CERTIFIED WEIGHT REPORT:

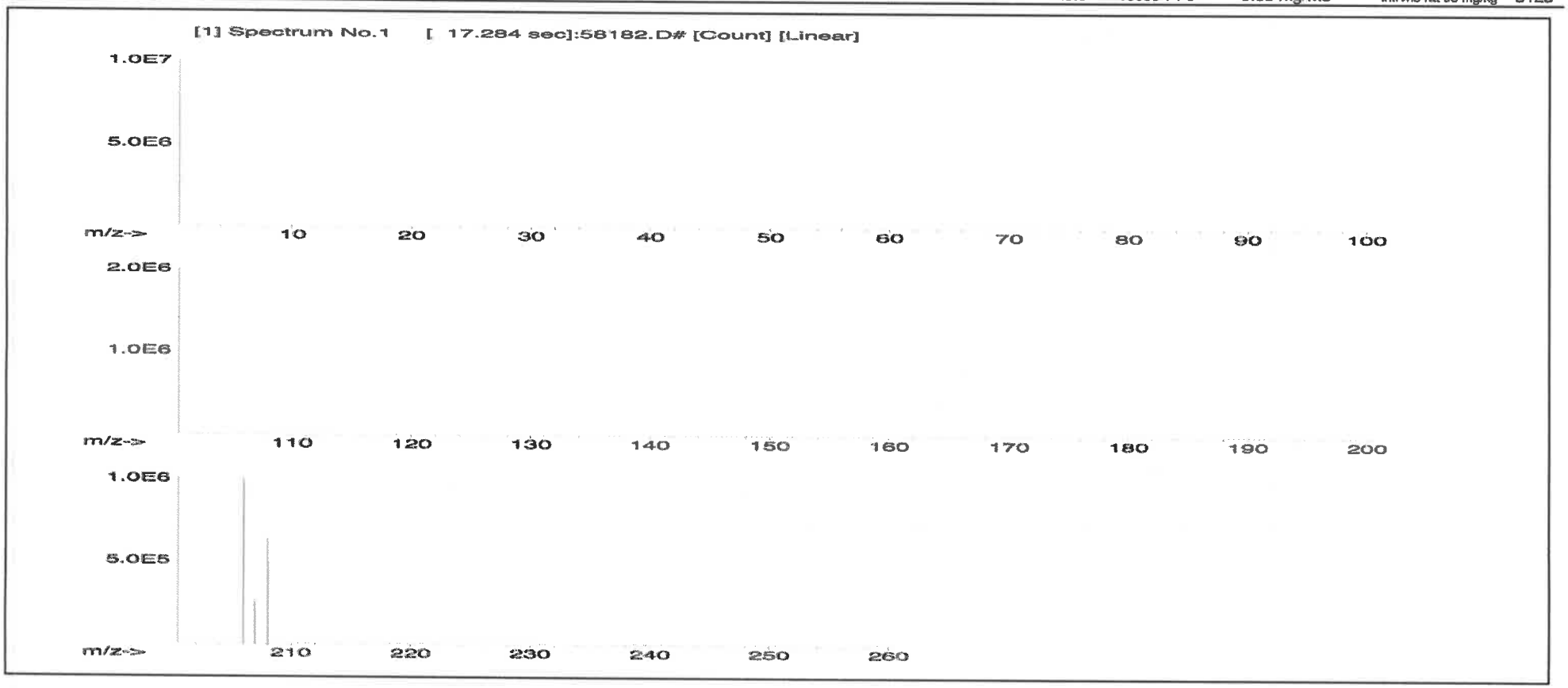
Part Number: 57182
Lot Number: 110923
Description: Lead (Pb)

Expiration Date: 110926
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 2000.02

		Lot #	
Solvent:	24002546	Nitric Acid	
2%	40.0 (mL)	Nitric Acid	
	5E-05	Balance Uncertainty	
	0.058	Flask Uncertainty	

Formulated By:	Lawence Barry	110923
Reviewed By:	Pedro L. Rentas	110923

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Lead(II) nitrate (Pb)	IN029	PBD122016A1	10000	99.999	0.10	62.5	32.0006	32.0040	**10001.1**	**20.0**	10099-74-8	0.05 mg/m3	intrvns-rat 93 mg/kg	3128



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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:

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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

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

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	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.

INORGANIC VENTURES
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Certificate of Analysis

300 Technology Drive
Christiansburg, VA 24073 USA
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.

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

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 (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/4}$

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.

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 HNO3. 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% HNO3 / LDPE container, stable in 10% HNO3 packaged in borosilicate glass. 1-100 ppm levels stable in 7% HNO3 packaged in borosilicate glass. 1000-10,000 ppm solutions are chemically stable for years in 5-10% HNO3 / LDPE container.

Hg Containing Samples (Preparation and Solution) - Metal (soluble in HNO3); Oxide (Soluble in HNO3); 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

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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



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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:	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

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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



Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M5519. M5520 BH R:03/17/23

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

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 ± 0.06 Flask Uncertainty

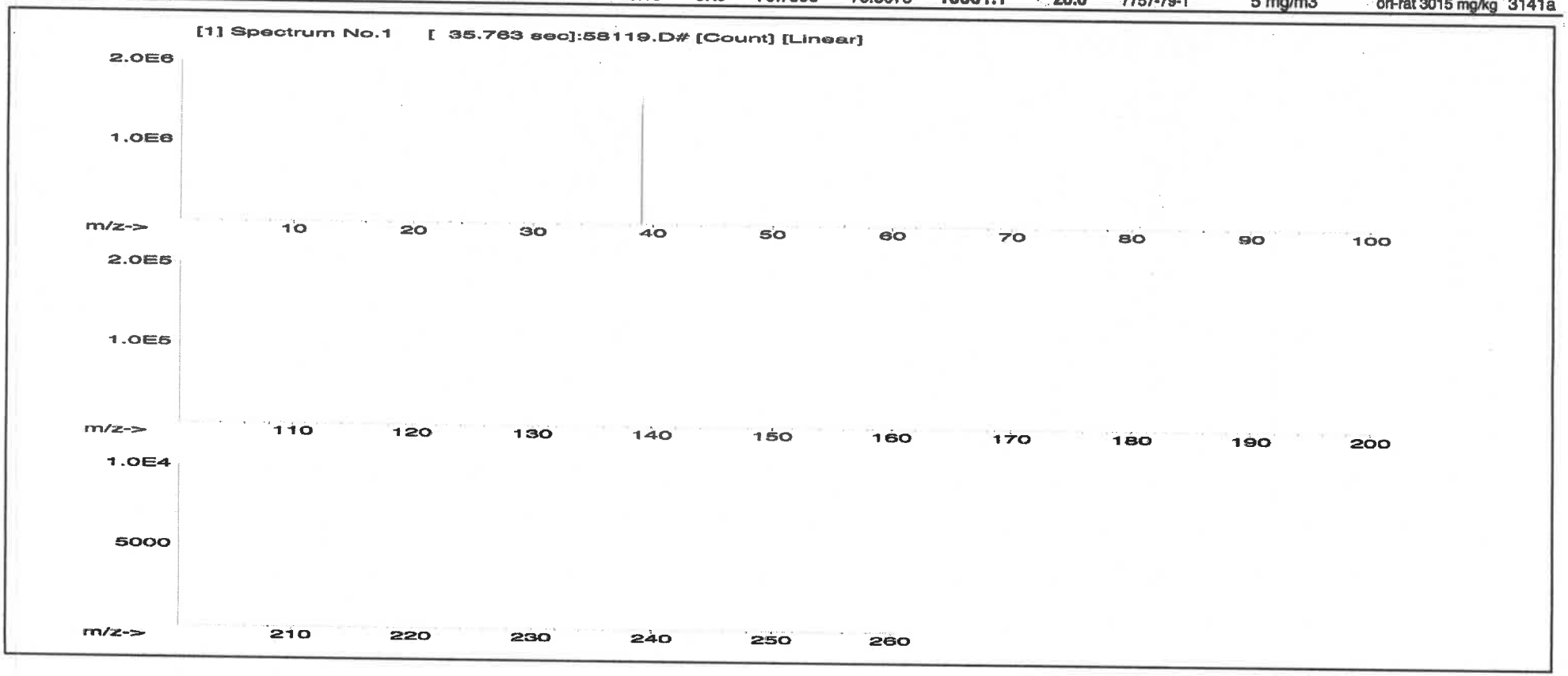
		Lot #	
Solvent:	20510011		Nitric Acid
	2%	60.0 (mL)	Nitric Acid

± 5E-05 Balance 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



Absolute Standards, Inc.
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www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	T	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
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* 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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M5519. M5520 BH R:03/17/23

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CERTIFIED WEIGHT REPORT:

Part Number: 58119
Lot Number: 120822
Description: Potassium (K)

Expiration Date: 120825
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 3000.4 ± 0.06 Flask Uncertainty

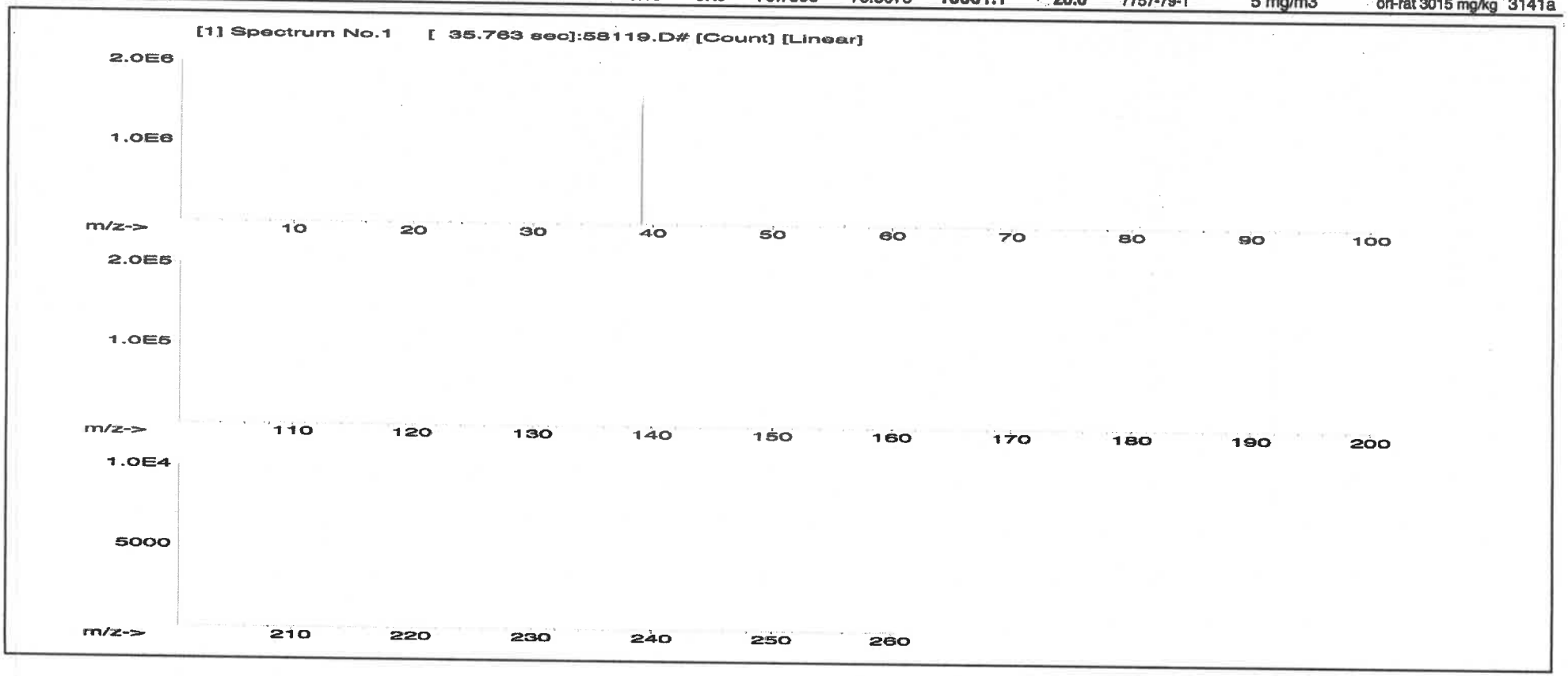
		Lot #	
Solvent:	20510011		Nitric Acid
	2%	60.0 (mL)	Nitric Acid

± 5E-05 Balance 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



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	T	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

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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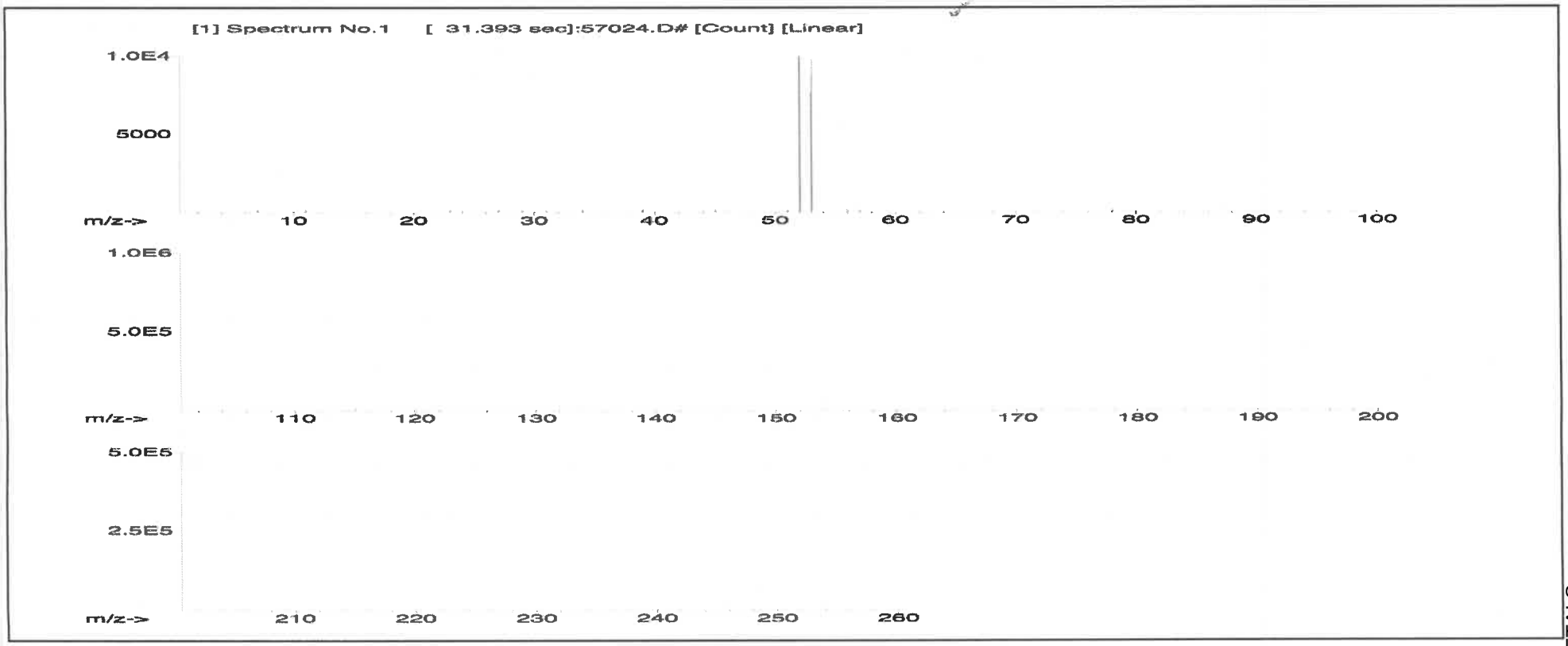
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CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:	
Part Number:	**58024**	21110221	Nitric Acid	
Lot Number:	**060523**			
Description:	**Chromium (Cr)**			
		2.0%	40.0 (mL)	Nitric Acid
Expiration Date:	060526			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Volume shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty	

Formulated By:	Lawrence Barry	060523
Reviewed By:	Pedro L. Rentas	060523

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Chromium(III) nitrate nonahydrate (Cr)	58124	071122	0.1000	200.0	0.084	1000	10000.1	**1000.0**	**2.2**	7789-02-8	0.5 mg(Cr)/m3	orl-rat 3250 mg/kg	3112a



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	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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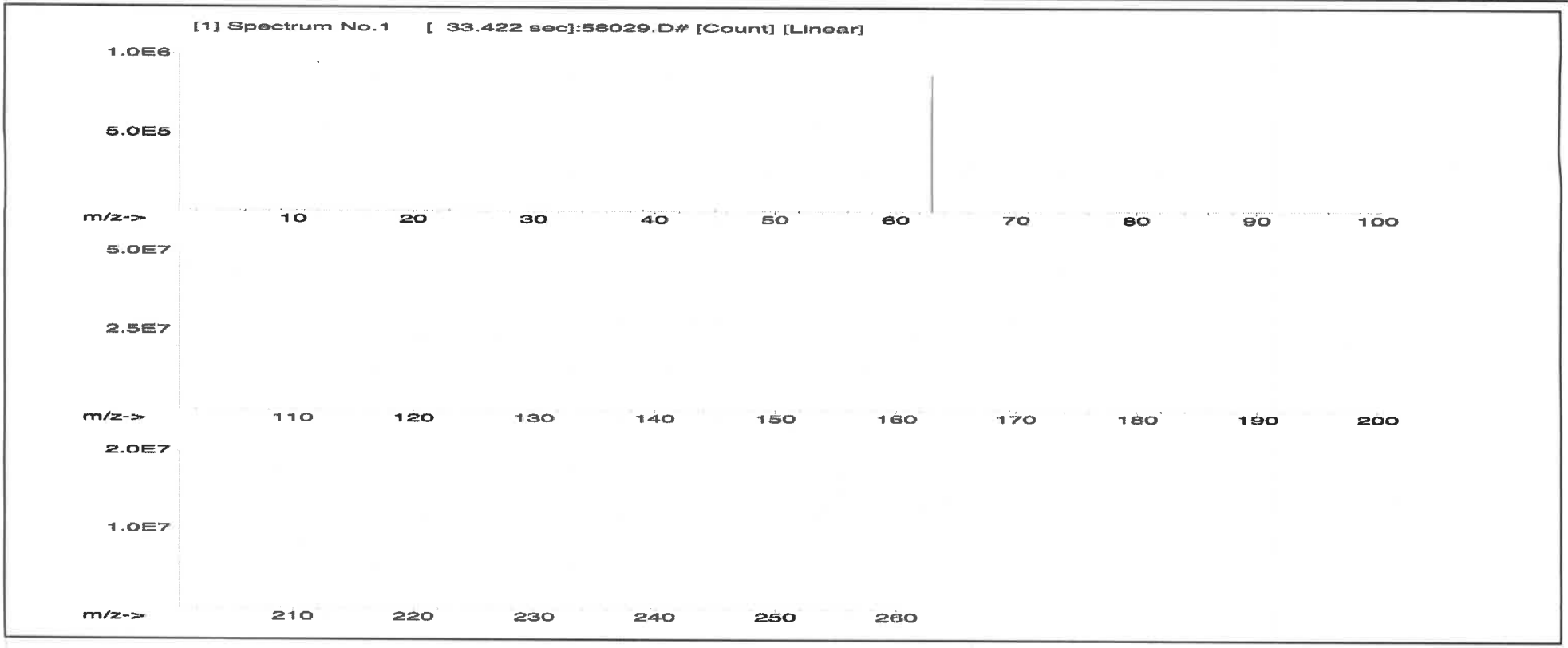
CERTIFIED WEIGHT REPORT:

		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

873 of 974

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



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	T	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

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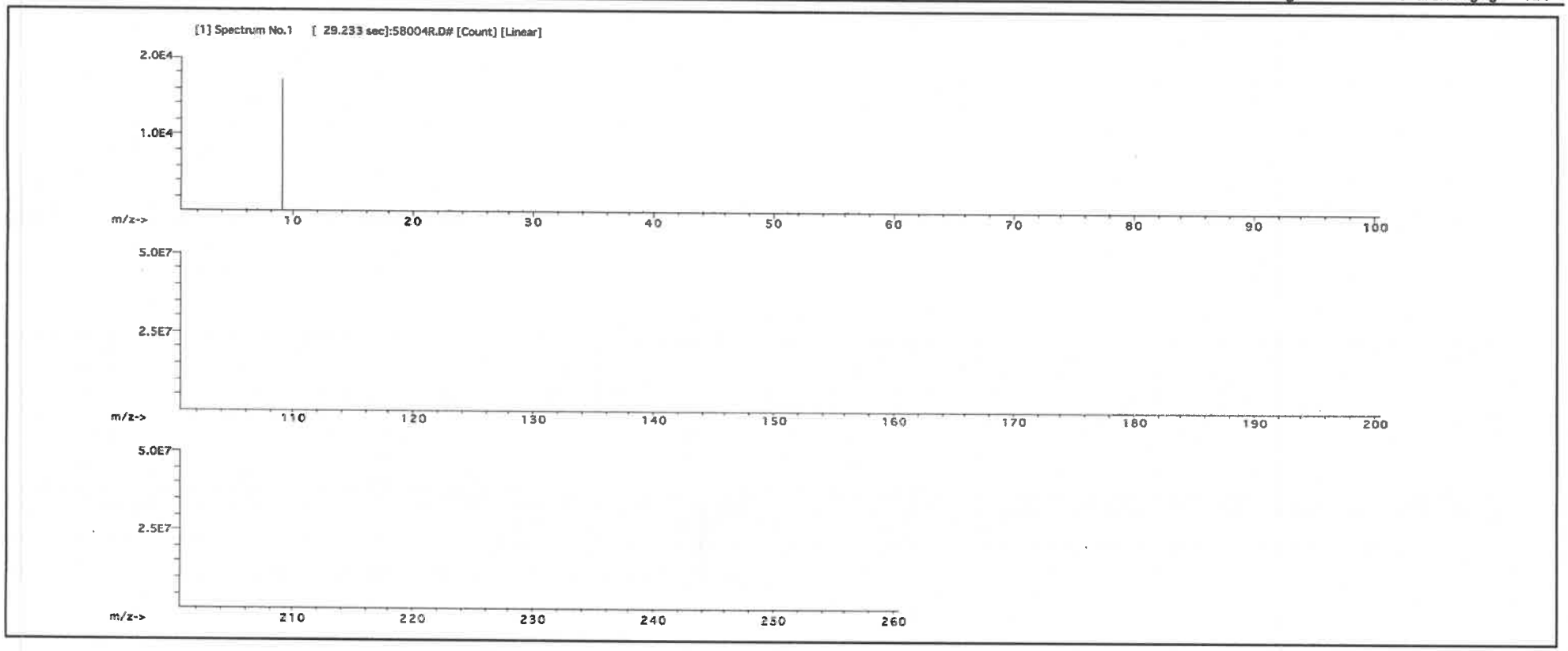
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CERTIFIED WEIGHT REPORT:

		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



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																		
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	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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CERTIFIED WEIGHT REPORT:

Part Number: 57050
Lot Number: 071123
Description: Tin (Sn)

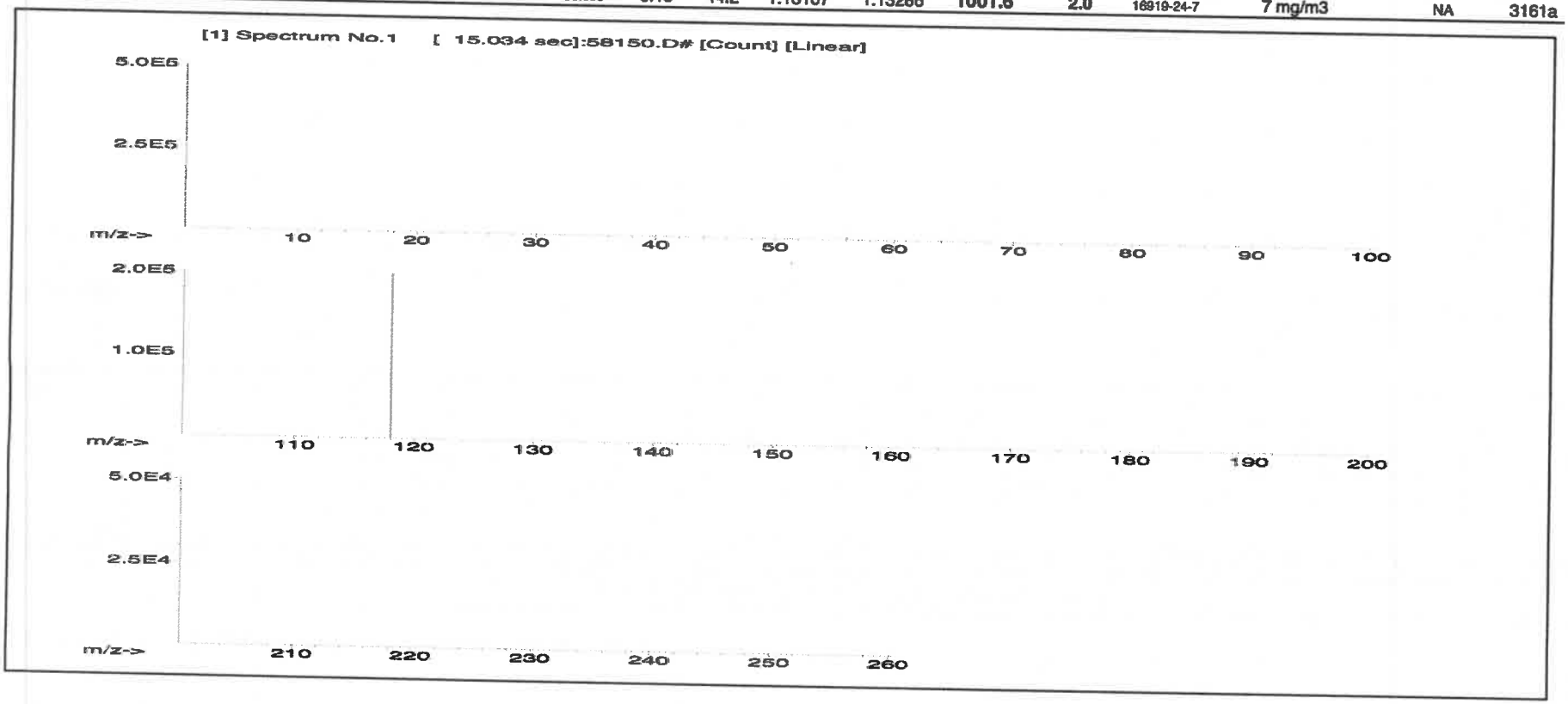
Expiration Date: 071126
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 499.93

	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



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<500	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	T	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

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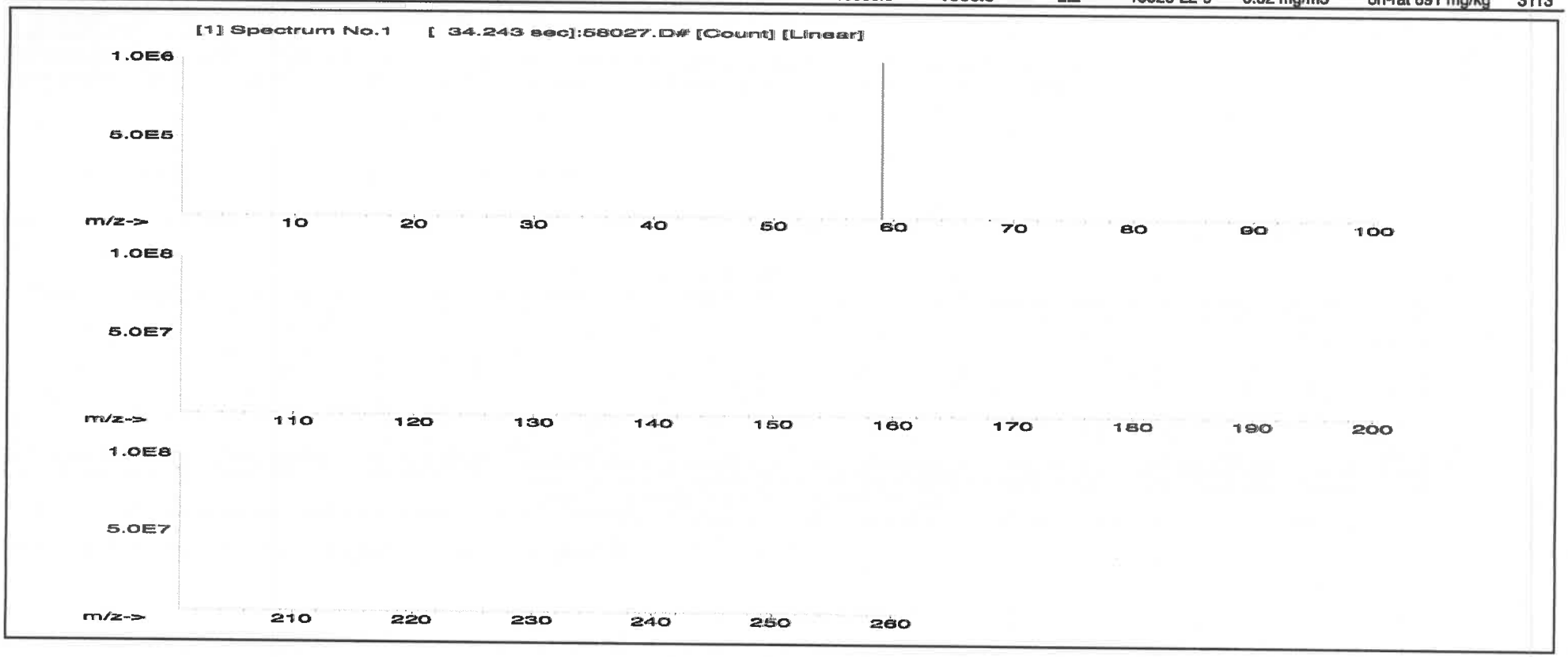
CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:		
Part Number:	**57027**	24002546	Nitric Acid		
Lot Number:	**091923**				
Description:	**Cobalt (Co)**	2.0%	40.0 (mL)	Nitric Acid	
Expiration Date:	091926				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Volume shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty		

Formulated By: Lawrence Barry 091923

Reviewed By: Pedro L. Rentas 091923

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Cobalt(II) nitrate hexahydrate (Co)	58127	050923	0.1000	200.0	0.084	1000	10000.0	**1000.0**	**2.2**	10026-22-9	0.02 mg/m3	orl-rat 691 mg/kg	3113



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	T	Gé	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
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* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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CERTIFIED **WEIGHT** REPORT:

Part Number: 57033
Lot Number: 111323
Description: Arsenic (As)

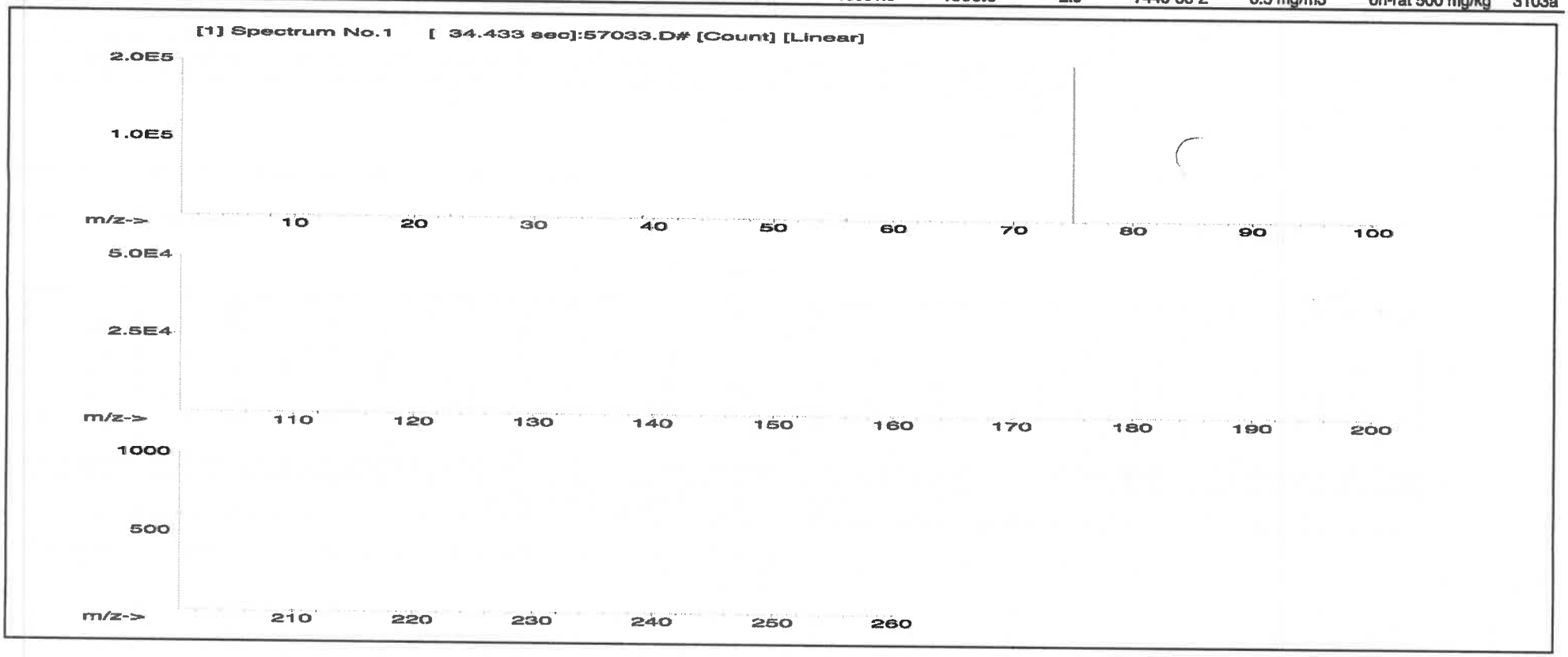
Expiration Date: 111326
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB

		5E-05	Balance Uncertainty
Volume shown below was diluted to (mL):	4000.0	0.06	Flask Uncertainty

Lot #	Solvent:		
24002546	Nitric Acid		
2.0%	80.0 (mL)	Nitric Acid	

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



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	T	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge*	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

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* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
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* 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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R1 02/09/24. M58165

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CERTIFIED WEIGHT REPORT:

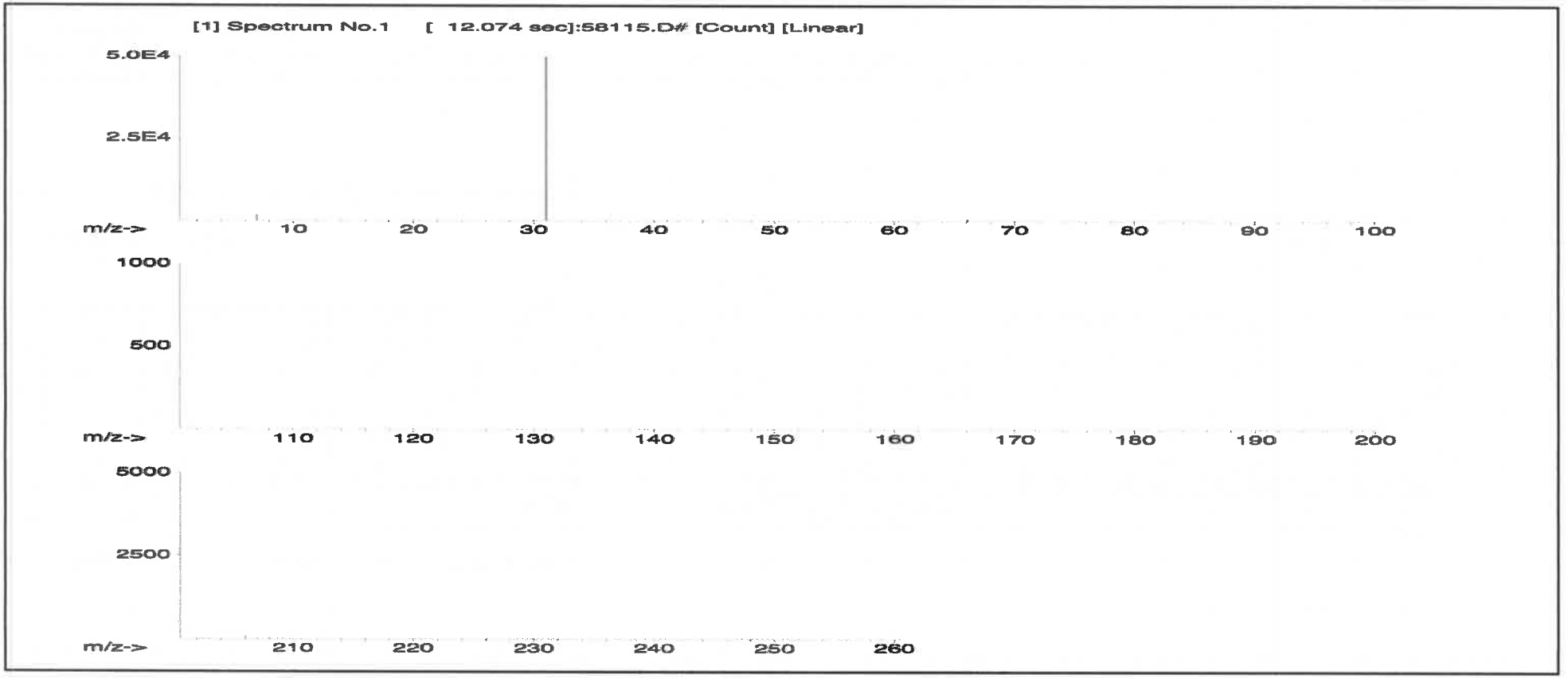
Part Number: 57115
Lot Number: 041723
Description: Phosphorous (P)

Expiration Date: 041726
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:	21110221		Nitric Acid
2%	40.0 (mL)		Nitric Acid
	5E-05	Balance 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



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	T	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

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* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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CERTIFIED WEIGHT REPORT:

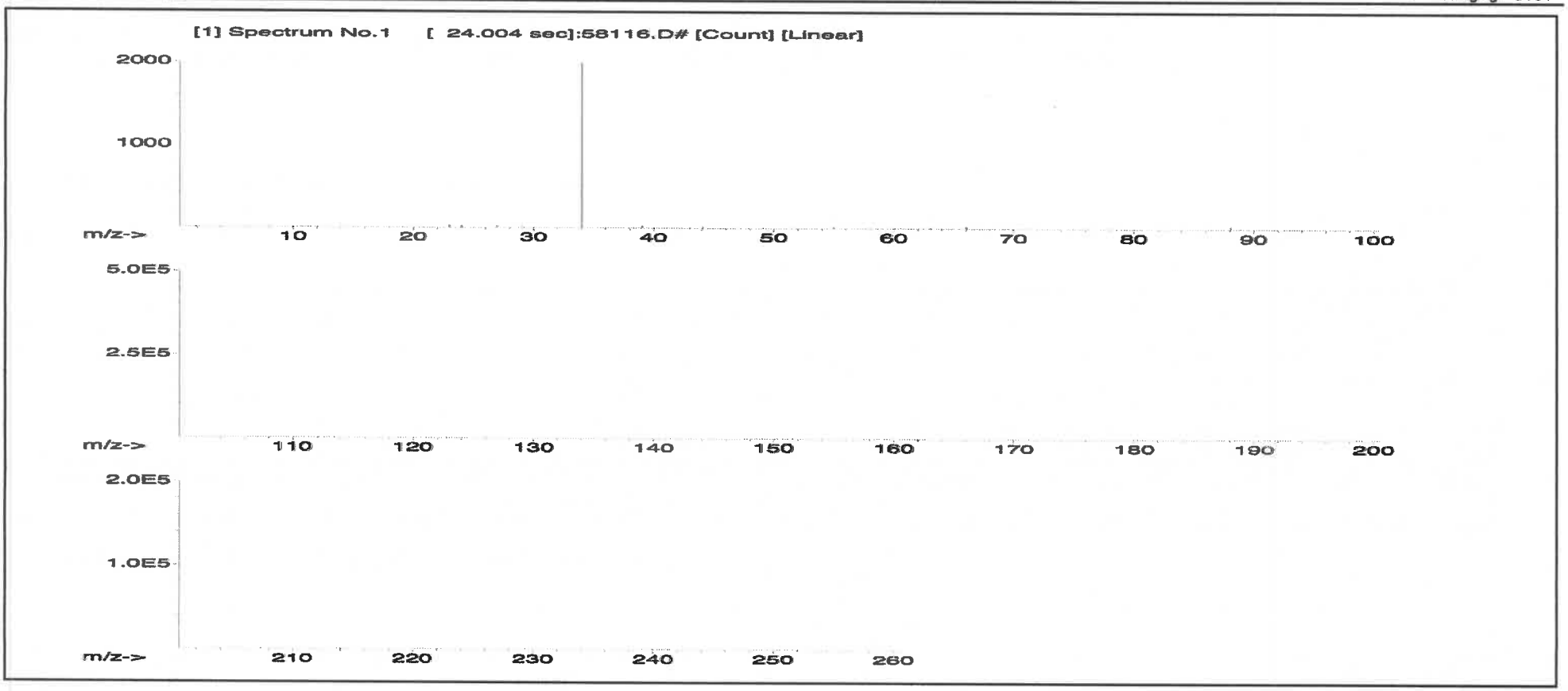
Part Number: 57116
Lot Number: 071123
Description: Sulfur (S)

Lot #
Solvent: 071123 ASTM Type 1 Water

Expiration Date: 071126
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB 5E-05 Balance Uncertainty
Weight shown below was diluted to (mL): 1999.48 0.058 Flask Uncertainty

Formulated By:	Lawrence Barry 071123
Reviewed By:	Pedro L. Rentas 071123

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Ammonium sulfate (S)	IN117	SLBR7225V	10000	99.9	0.10	24.3	82.4675	82.4682	**10000.1**	**20.0**	7783-20-2	NA	orl-rat 4250mg/kg	3181



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	T	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

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* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Sodium Chloride, Crystal
BAKER ANALYZED® A.C.S. Reagent

MF884
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

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inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	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 (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

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	<	0.000536	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

M5960 KK R. 6/11/24

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CERTIFIED WEIGHT REPORT:

Part Number: 57028
Lot Number: 041124
Description: Nickel (Ni)

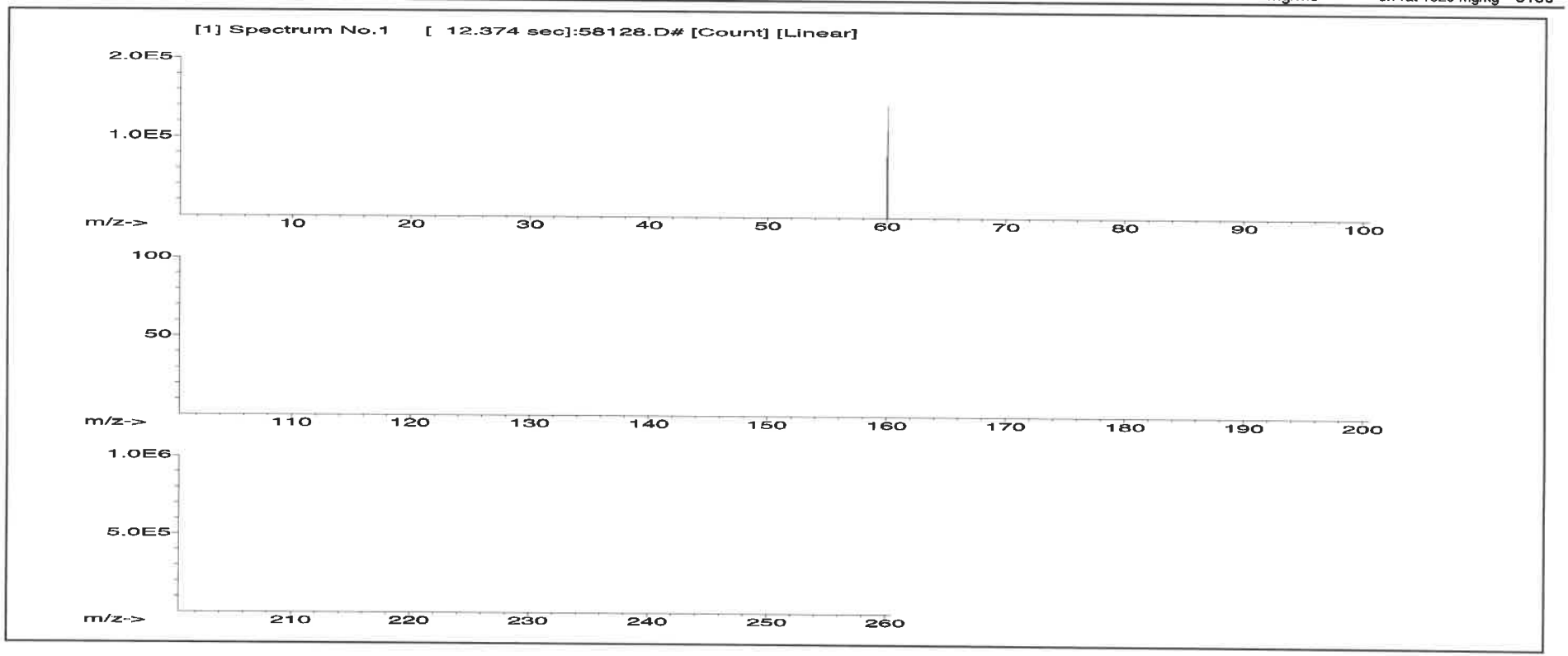
Expiration Date: 041127
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 249.85

	Lot #		
Solvent:	24002546	Nitric Acid	
2%	5.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty
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



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	T	Pr	<0.02	Sc	<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).

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M5961 R: 6/11/24

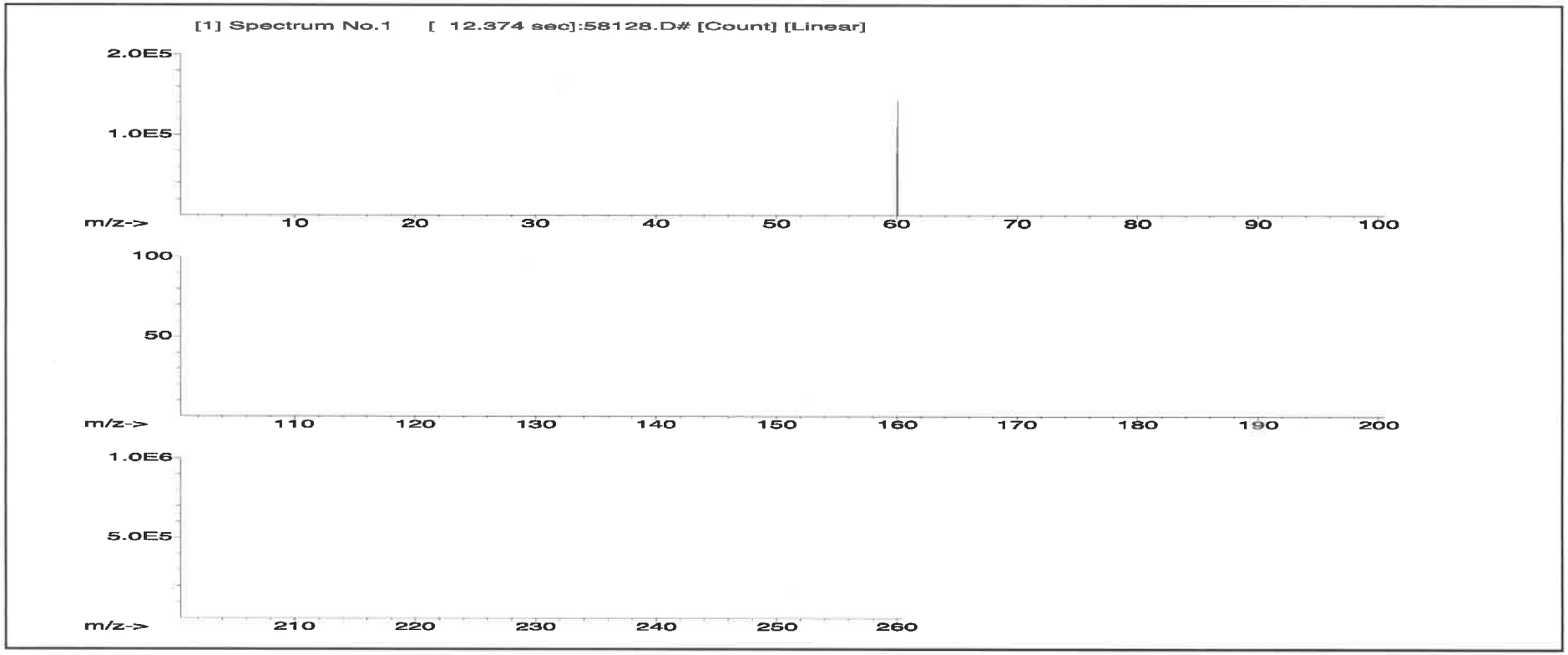
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CERTIFIED WEIGHT REPORT:

Part Number:	**57028**		**Lot #**		
Lot Number:	**041124**	**Solvent:**	24002546	Nitric Acid	
Description:	**Nickel (Ni)**				
		2%	5.0 (mL)	Nitric Acid	
Expiration Date:	041127				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	249.85	0.002	Flask Uncertainty		

Formulated By:	Brian Geddes	041124
Reviewed By:	Pedro L. Rentas	041124

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Nickel(II) nitrate hexahydrate (Ni)	IN033	NIM052023A1	1000	99.999	0.10	20.2	1.2369	1.2369	**1000.0**	**2.0**	13478-00-7	1 mg/m3	orl-rat 1620 mg/kg	3136



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	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.
* 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

M5962 R! 06/14/24.

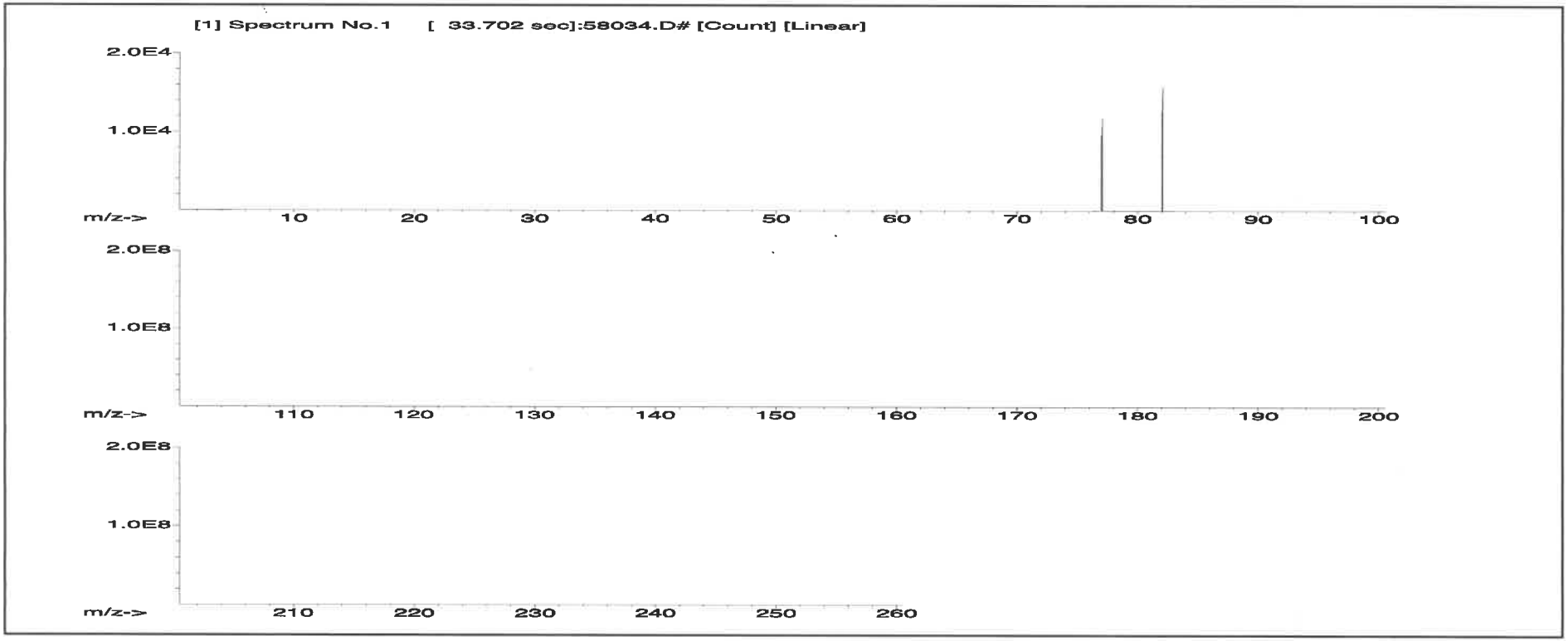
ANAB ISO 17034 Accredited
AR-1539 Certificate Number
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CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:	
Part Number:	**57034**	24002546	Nitric Acid	
Lot Number:	**060624**			
Description:	**Selenium (Se)**			
		2.0%	40.0 (mL)	Nitric Acid
Expiration Date:	060627			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Volume shown below was diluted to (mL):	2000.07	0.100	Flask Uncertainty	

Formulated By:	Benson Chan	060624
Reviewed By:	Pedro L. Rentas	060624

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Selenium (Se)	58134	071223	0.1000	200.0	0.084	1000	10002.5	**1000.0**	**2.2**	7782-49-2	0.2 mg/m3	orl-rat 6700 mg/kg	3149



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																		
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	T	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* 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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Certificate of Analysis

M5976, M5977
R: 02/22/24

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Christiansburg, VA 24073 USA
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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,79Br16O,190Os2+,190Pt2+
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

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

July 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



Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

H5981 R:6/11/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:		
Part Number:	**57092**	24002546	Nitric Acid		
Lot Number:	**060724**				
Description:	**Uranium (U)**	2.0%	40.0 (mL)	Nitric Acid	
Expiration Date:	060727				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Volume shown below was diluted to (mL):	2000.07	0.100	Flask Uncertainty		

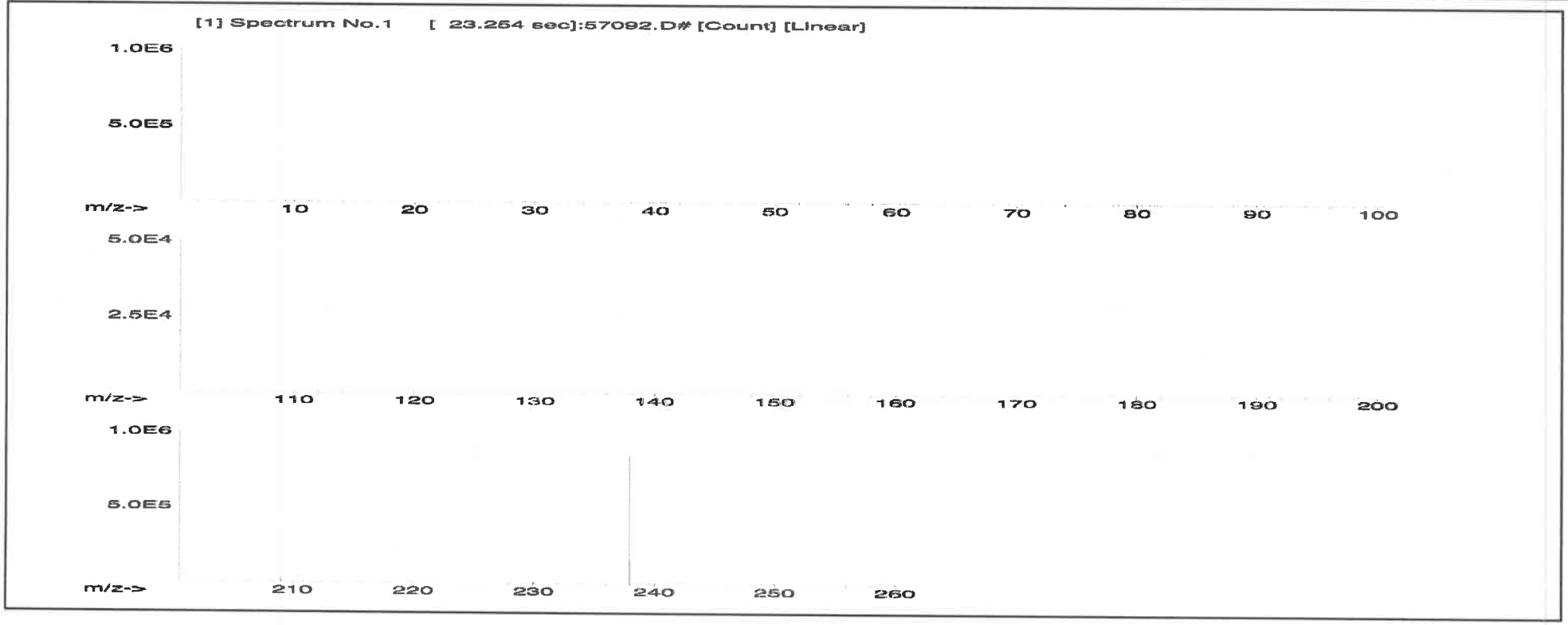
Giovanni Esposito

Formulated By:	Giovanni Esposito	060724

Pedro Rentas

Reviewed By:	Pedro L. Rentas	060724

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Uranyl nitrate hexahydrate (U)	58192	041524	0.1000	200.0	0.084	1000	10001.5	**1000.0**	**2.2**	13520-83-7	0.05 mg/m3	orl-rat 1040 mg/kg	3164



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Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

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:

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).

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 >>>

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

INORGANIC VENTURES
Refine your results. Redefine your industry.

Certificate of Analysis

R 18/19/24, M60055

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	IV-STOCK-12
Lot Number:	U2-MEB734294
Matrix:	5% (v/v) HNO3
Value / Analyte(s):	10 µg/mL ea:

Barium, Beryllium,
Bismuth, Cerium,
Cobalt, Indium,
Lithium, Nickel,
Lead, Uranium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Barium, Ba	10.01 ± 0.04 µg/mL	Beryllium, Be	10.01 ± 0.05 µg/mL
Bismuth, Bi	10.01 ± 0.06 µg/mL	Cerium, Ce	10.01 ± 0.04 µg/mL
Cobalt, Co	10.01 ± 0.05 µg/mL	Indium, In	10.01 ± 0.04 µg/mL
Lead, Pb	10.00 ± 0.04 µg/mL	Lithium, Li	10.01 ± 0.04 µg/mL
Nickel, Ni	10.01 ± 0.04 µg/mL	Uranium, U	10.01 ± 0.05 µg/mL

Density: 1.025 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ba	ICP Assay	3104a	140909
Ba	Calculated		See Sec. 4.2
Ba	Gravimetric		See Sec. 4.2
Be	ICP Assay	3105a	090514
Be	Calculated		See Sec. 4.2
Bi	ICP Assay	3106	180815
Ce	ICP Assay	3110	160830
Ce	EDTA	928	928
Ce	Calculated		See Sec. 4.2
Co	ICP Assay	3113	190630
Co	EDTA	928	928
Co	Calculated		See Sec. 4.2
In	ICP Assay	3124a	110516
In	EDTA	928	928
In	Calculated		See Sec. 4.2
Li	ICP Assay	3129a	100714
Li	Calculated		See Sec. 4.2
Li	Gravimetric		See Sec. 4.2
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
Ni	Calculated		See Sec. 4.2
Pb	ICP Assay	3128	101026
Pb	EDTA	928	928
Pb	Calculated		See Sec. 4.2
U	ICP Assay	traceable to 3164	R2-U689597
U	Calculated		See Sec. 4.2

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Certified Abundance:

IV's Certified Abundance

Isotope	Atom %
Uranium 238U	99.8 ± 0.1
Uranium 235U	0.19 ± 0.05

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

June 21, 2023

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- June 21, 2028

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M6079 R: 9/30/24

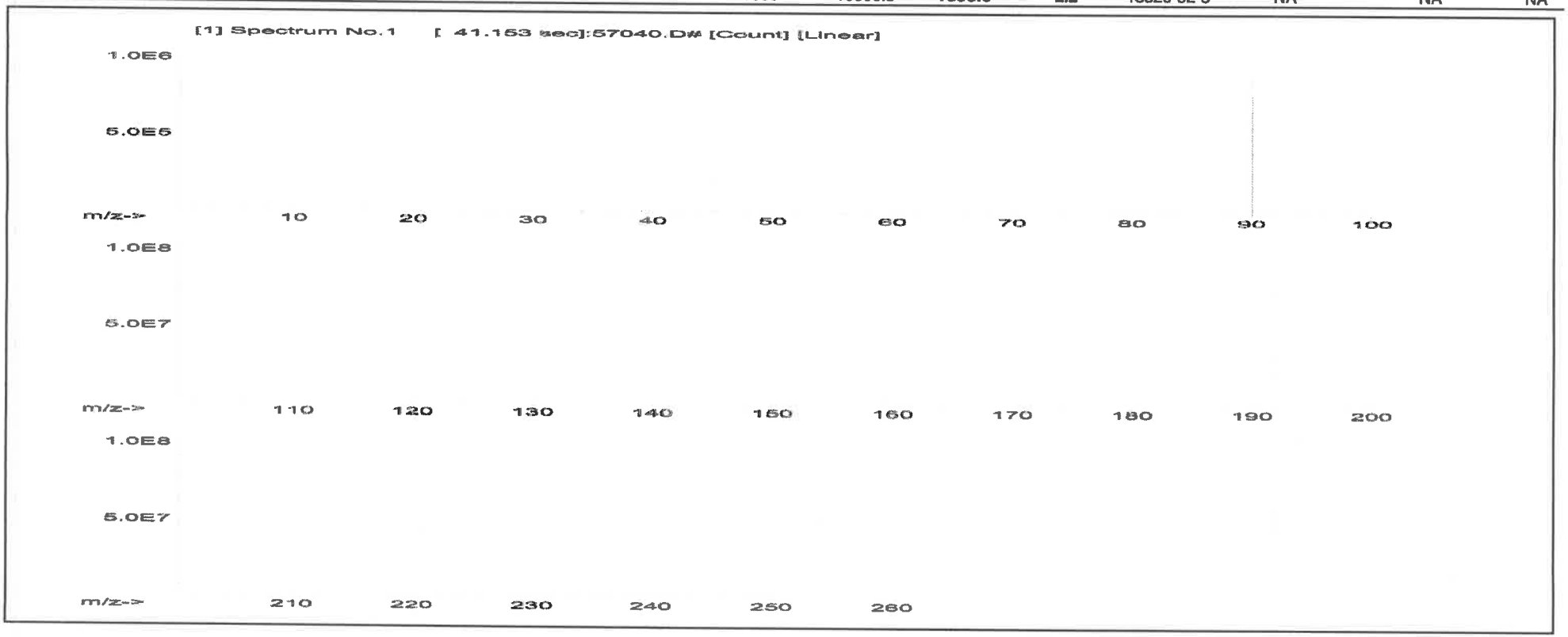
ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:		
Part Number:	**57040**	21110221	Nitric Acid		
Lot Number:	**071423**				
Description:	**Zirconium (Zr)**	2.0%	40.0 (mL)	Nitric Acid	
Expiration Date:	071426				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Volume shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty		

Formulated By:	Benson Chan	071423
Reviewed By:	Pedro L. Rentas	071423

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Zirconyl chloride octahydrate (Zr)	58140	070621	0.1000	200.0	0.084	1000	10000.3	**1000.0**	**2.2**	13520-92-8	NA	NA	NA



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Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																			
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	T

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

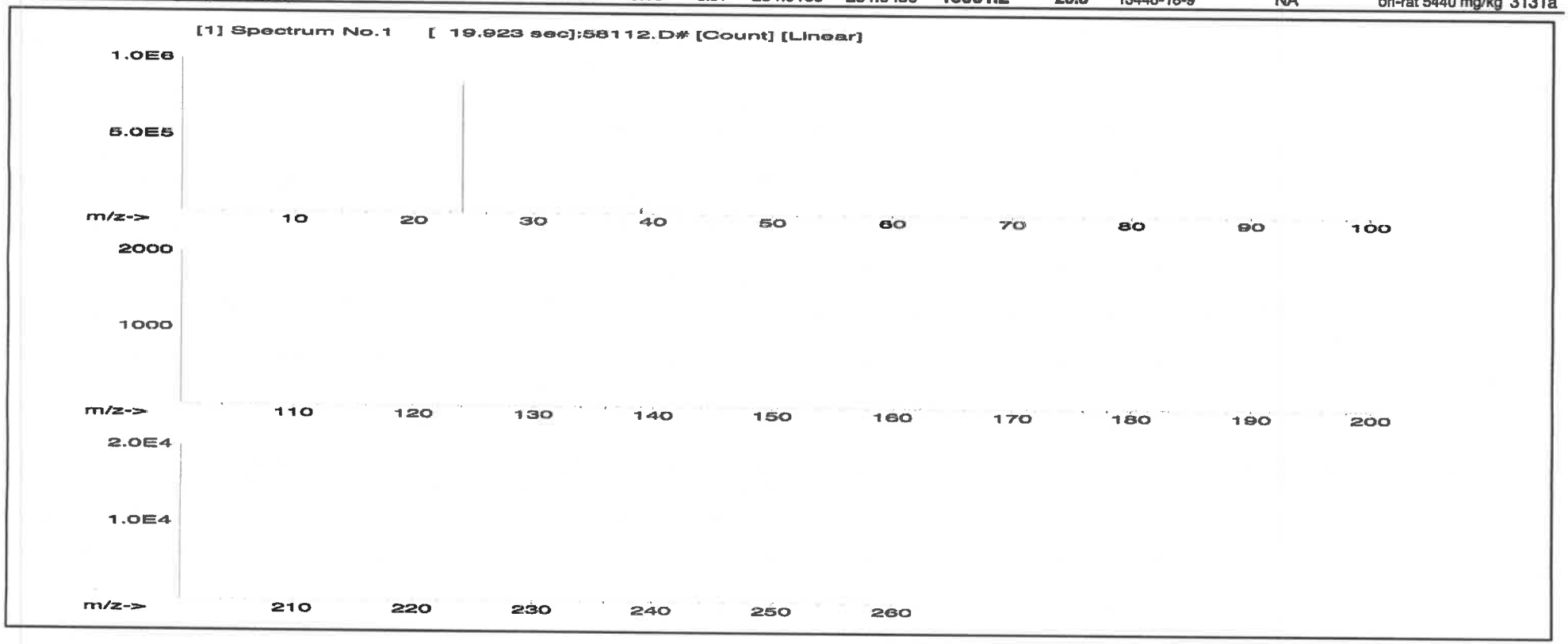
R -> 1/13/25
M 6127

Part Number:	**58112**	**Solvent:**	**Lot #** 24012496	Nitric Acid
Lot Number:	**112124**			
Description:	**Magnesium (Mg)**	2%	40.0 (mL)	Nitric Acid
Expiration Date:	112127			
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):	2000.07	0.100	Flask Uncertainty	

Giovanni Esposito

Formulated By:	Giovanni Esposito	112124
Reviewed By:	Pedro L. Rentas	112124

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	234.9183	234.9459	**10001.2**	**20.0**	13446-18-9	NA	orl-rat 5440 mg/kg	3131a



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	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:

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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CERTIFIED WEIGHT REPORT:

R->1/13/25
M6128

			Lot #	
Part Number:	**58025**	**Solvent:**	24002546	Nitric Acid
Lot Number:	**101124**			
Description:	**Manganese (Mn)**	2%	80.0 (mL)	Nitric Acid
Expiration Date:	101127			
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):	4000.2	0.10	Flask Uncertainty	

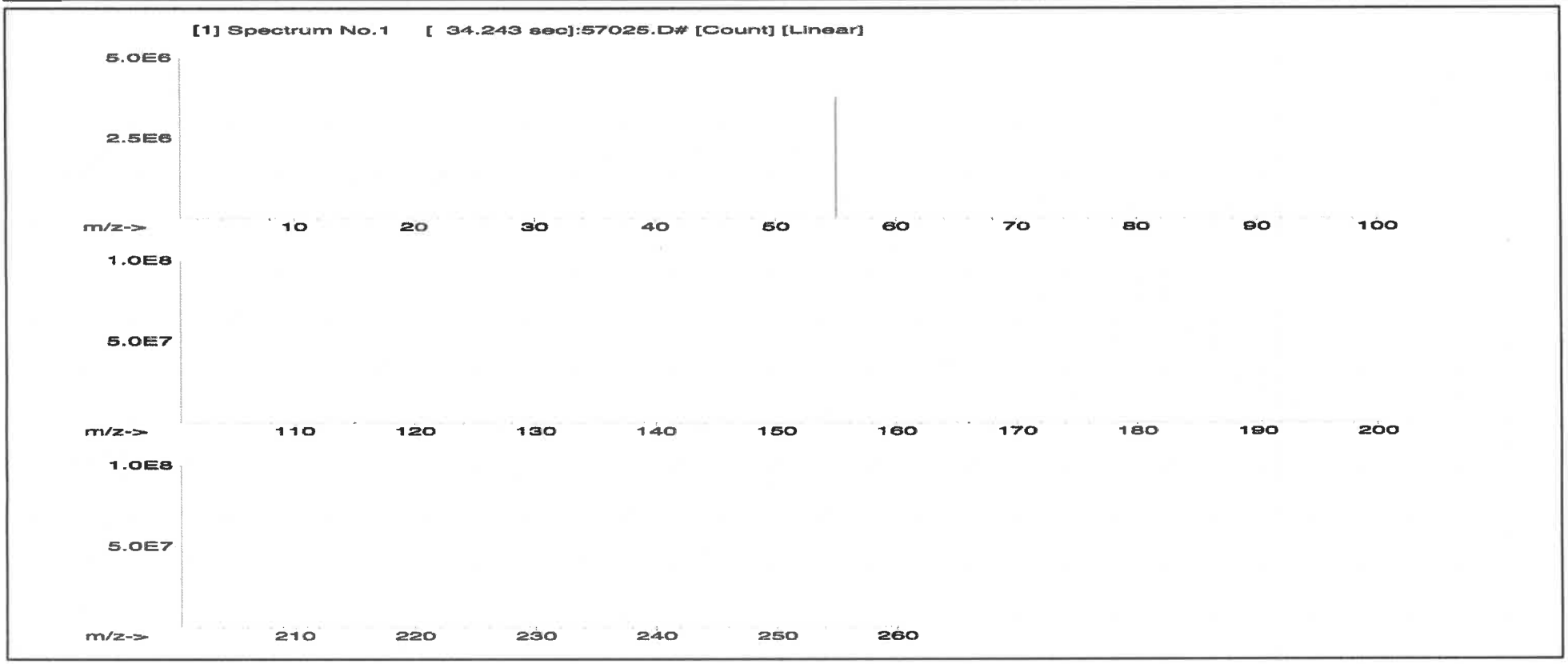
Giovanni Esposito

Formulated By:	Giovanni Esposito	101124

Pedro Rentas

Reviewed By:	Pedro L. Rentas	101124

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. Manganese(II) nitrate hydrate (Mn)	IN031	MNM092020A1	1000	99.999	0.10	20.8	19.2322	19.2344	**1000.1**	**2.0**	15710-66-4	5 mg/m3	orl-rat >300mg/kg	3132



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Certified Reference Material CRM

ANAB ISO 17034 Accredited
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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	T	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
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F: 540-585-3012
info@inorganicventures.com

M6137 R→10/3/24

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:	CGSI1
Lot Number:	V2-SI744713
Matrix:	tr. HNO3 tr. HF
Value / Analyte(s):	1 000 µg/mL ea: Silicon
Starting Material:	Silica
Starting Material Lot#:	1771
Starting Material Purity:	99.9981%

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 999 ± 6 µg/mL

Density: 1.003 g/mL (measured at 20 ± 4 °C)

Assay Information:

Assay Method #1 **999 ± 5 µg/mL**
ICP Assay NIST SRM Traceable to 3150 Lot Number: S2-SI702546

Assay Method #2 **1000 ± 7 µg/mL**
Calculated NIST SRM Lot Number: See Sec. 4.2

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2 (u_{char\ i})^2)]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

M	Ag	<	0.000310	M	Eu	<	0.000310	O	Na		0.001656	M	Se	<	0.022000	M	Zn	<	0.002500
M	Al		0.010787	M	Fe	<	0.027000	M	Nb	<	0.001300	s	Si	<		O	Zr	<	0.001900
M	As	<	0.001900	M	Ga	<	0.001300	M	Nd	<	0.000310	M	Sm	<	0.000310				
M	Au	<	0.000910	M	Gd	<	0.000310	M	Ni	<	0.005500	M	Sn		0.000096				
M	B		0.016180	M	Ge	<	0.001900	M	Os	<	0.000610	O	Sr		0.000092				
M	Ba		0.000096	M	Hf		0.000423	i	P	<		M	Ta		0.002542				
O	Be	<	0.000570	M	Hg	<	0.000610	M	Pb	<	0.000310	M	Tb	<	0.000310				
M	Bi	<	0.000310	M	Ho	<	0.000610	M	Pd	<	0.000610	M	Te	<	0.000910				
O	Ca		0.011557	M	In	<	0.000310	M	Pr	<	0.000310	M	Th	<	0.001900				
M	Cd	<	0.000310	M	Ir	<	0.000310	M	Pt	<	0.000310	M	Ti		0.001078				
M	Ce	<	0.000610	O	K		0.000577	M	Rb	<	0.009100	M	Tl	<	0.000310				
M	Co	<	0.001600	M	La	<	0.000310	M	Re	<	0.000310	M	Tm	<	0.000310				
M	Cr	<	0.010000	O	Li	<	0.000460	M	Rh	<	0.000310	M	U	<	0.000310				
M	Cs	<	0.000310	M	Lu	<	0.000310	M	Ru	<	0.000310	O	V	<	0.001300				
M	Cu	<	0.002500	O	Mg		0.001348	O	S	<	0.570000	M	W	<	0.001900				
M	Dy	<	0.000310	M	Mn	<	0.002500	M	Sb	<	0.000310	M	Y	<	0.000310				
M	Er	<	0.000310	M	Mo	<	0.000310	O	Sc	<	0.000590	M	Yb	<	0.000310				

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

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**

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 28.09 +4 6 Si(OH)x(F)y2-

Chemical Compatibility -Soluble in HCl, HF, H3PO4 H2SO4 and HNO3 as the Si(OH)x(F)y2-. 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 silicic acid (silicic acid is soluble up to ∼100 ppm in water) in all dilute acids except HF.

Stability - 2-100 ppb levels - stability unknown - (alone or mixed with all other metals) as the Si(OH)x(F)y2-. 1-10,000 ppm single element solutions as the Si(OH)x(F)y2- chemically stable for years in 2-5 % HNO3 / trace HF in a LDPE container.

Si Containing Samples (Preparation and Solution) -Metal (Soluble in 1:1:1 H2O / HF / HNO3); Oxide - SiO2, amorphic (dissolve by heating in 1:1:1 H2O / HF / HNO3); Oxide - quartz (fuse in Pt0 with Na2CO3); Geological Samples(fuse in Pt0with Na2CO3 followed by HCl solution of the fuseate); Organic Matrices containing silicates and non volatile silicon compounds (dry ash at 4500C in Pt0 and dissolve by gently warming with 1:1:1 H2O / HF / H2SO4 or fuse / ash with Na2CO3 and dissolve fuseate with HCl / H2O); Silicone Oils - dimethyl silicones depolymerize to form volatile monomer units when heated (Measure directly in alcoholic KOH / xylene mixture where sample is treated first with the KOH at 60-1000C to "unzip" the Si- O-Si polymeric structure or digest with conc. H2SO4 / H2O2 followed by cooling and dissolution of the dehydrated silica with HF.) Note that the direct analysis of silicone oils in an organic solvent will result in false high results due to high vapor pressure of volatile monomer units like hexamethylcyclotrisiloxane. The KOH forms the K2+Si(CH3)2O= salt which is not volatile at room temperature.

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 28 amu	4000 - 8000 ppt	N/A	N2, 12C16O
ICP-OES 212.412 nm	0.02/0.01 µg/mL	1	Hf, Os, Mo, Ta
ICP-OES 251.611 nm	0.012/0.003 µg/mL	1	Ta, U, Zn, Th
ICP-OES 288.158 nm	0.03/0.004 µg/mL	1	Ta, Ce, Cr, Cd, Th

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

July 10, 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

- **July 10, 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 Prepared By:

Uyen Truong
Custom Processing Supervisor

Certificate Approved By:

Muzzammil Khan
Stock Laboratory Supervisor

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

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CERTIFIED WEIGHT REPORT:

R-> 1/13/25

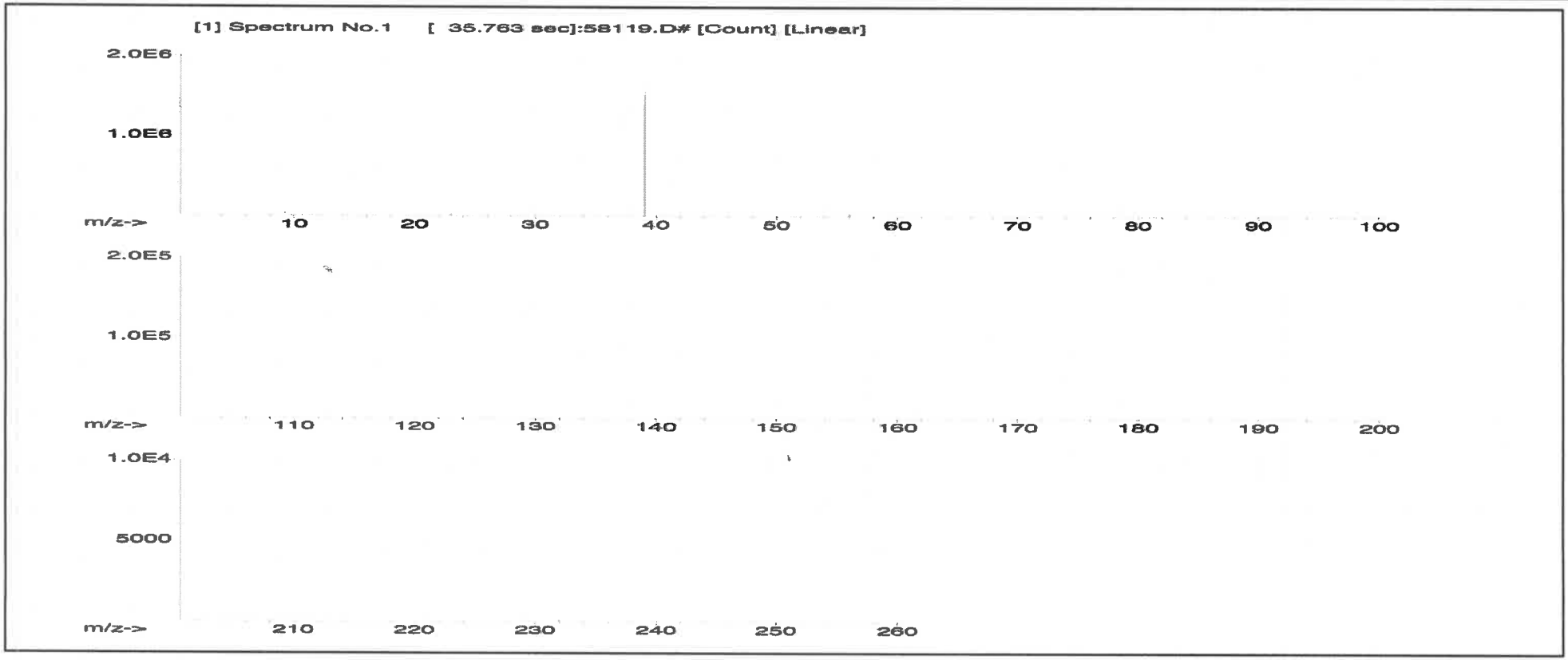
Part Number:	**57119**		**Lot #**		
Lot Number:	**103024**	**Solvent:**	24002546	Nitric Acid	
Description:	**Potassium (K)**				
		2%	80.0 (mL)	Nitric Acid	
Expiration Date:	103027				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**10000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	4000.1	0.15	Flask Uncertainty		

M6141
M6142
M6143

Giovanni Esposito

Formulated By:	Giovanni Esposito	103024
Reviewed By:	Pedro L. Rentas	103024

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	KD062022A1	10000	99.999	0.10	37.7	106.1040	######	**10001.1**	**20.0**	7757-79-1	5 mg/m3	orl-rat 3750 mg/kg	3141a



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	T	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

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AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

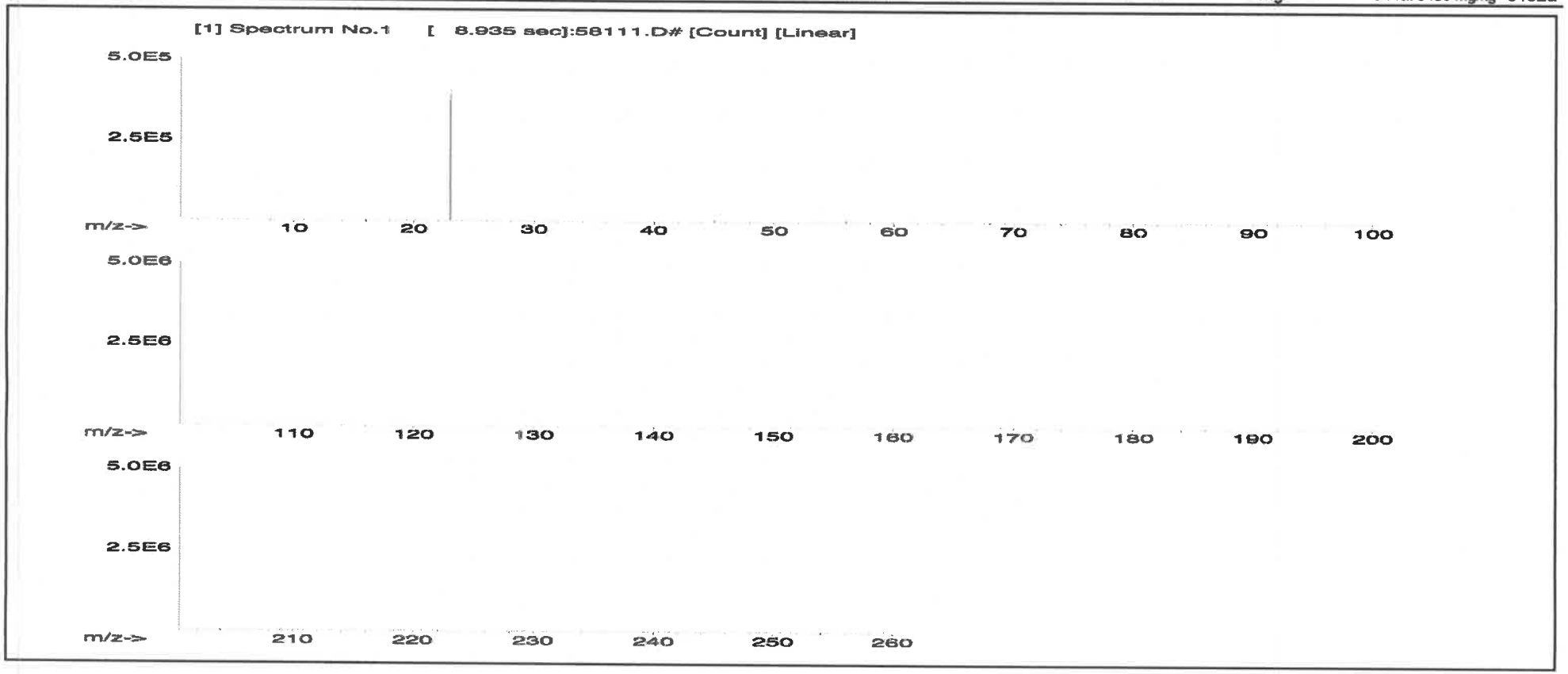
R->1/13/25

MG144

Part Number:	**58111**		**Lot #**		
Lot Number:	**072424**	**Solvent:**	24002546	Nitric Acid	
Description:	**Sodium (Na)**				
		2%	80.0 (mL)	Nitric Acid	
Expiration Date:	072427				
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):	4000.2	0.10	Flask Uncertainty		

Formulated By:	Benson Chan	072424
Reviewed By:	Pedro L. Rentas	072424

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	148.7096	######	**10000.0**	**20.0**	7631-99-4	5 mg/m3	orl-rat 3430 mg/kg	3152a



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Sc	<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.
* 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

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CERTIFIED WEIGHT REPORT:

Part Number: 58030
Lot Number: 121724
Description: Zinc (Zn)

R → 1/13/25

M6145

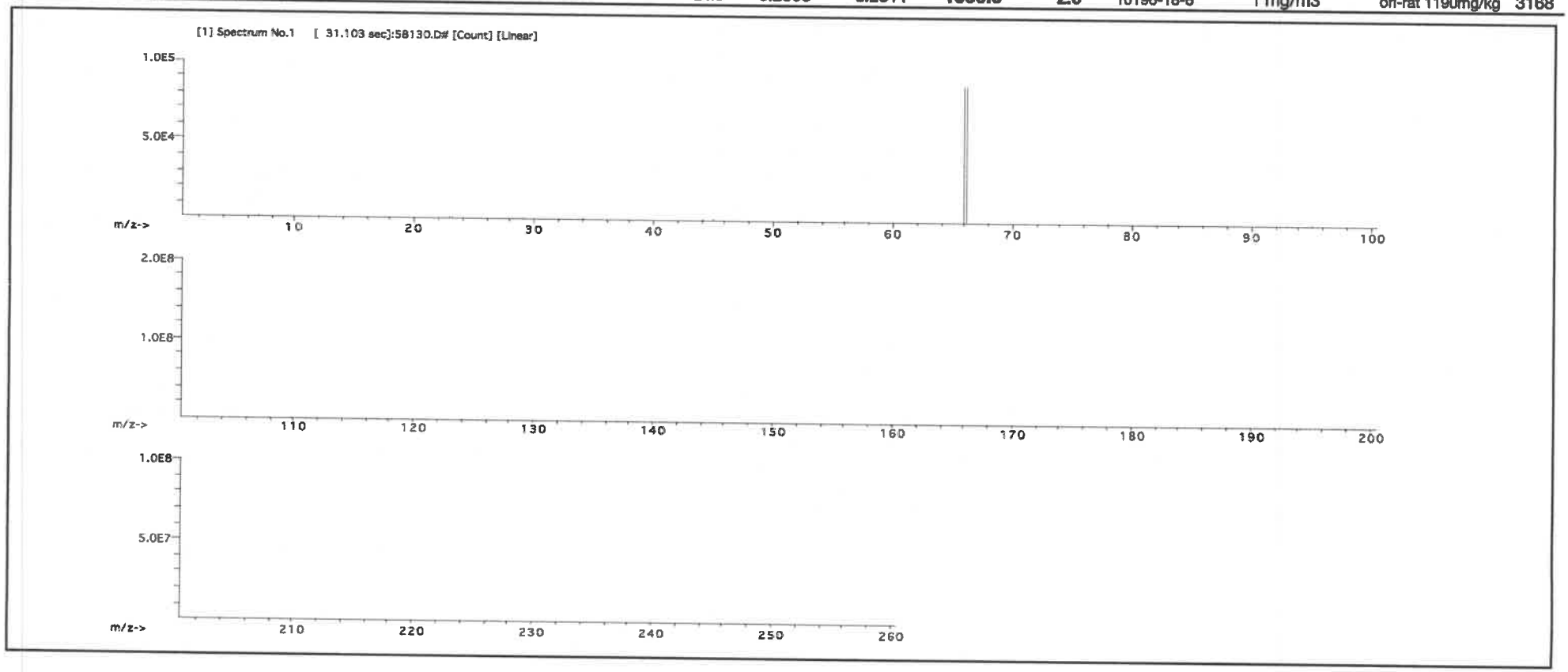
Expiration Date: 121727
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB

				Lot #	
Solvent:	24012496	Nitric Acid			
	2%	40.0 (mL)	Nitric Acid		
	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	121724
Reviewed By:	Pedro L. Rentas	121724

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	8.2308	8.2311	**1000.0**	**2.0**	10196-18-6	1 mg/m3	ori-rat 1190mg/kg	3168



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Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

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:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
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Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

M6151

R-> 1/15/25

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 >>>

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

INORGANIC VENTURES
Refine your results. Redefine your industry.

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

R→1/7/23
M6153

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:	CGSR10
Lot Number:	V2-SR745329
Matrix:	2% (v/v) HNO3
Value / Analyte(s):	10 000 µg/mL ea: Strontium
Starting Material:	Strontium Carbonate
Starting Material Lot#:	2647
Starting Material Purity:	99.9960%

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 10081 ± 39 µg/mL

Density: 1.030 g/mL (measured at 20 ± 4 °C)

Assay Information:

Assay Method #1 **10059 ± 50 µg/mL**
ICP Assay NIST SRM Traceable to 3153a Lot Number: K2-SR650985

Assay Method #2 **10087 ± 26 µg/mL**
EDTA NIST SRM 928 Lot Number: 928

- 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:

$w_i = (1/u_{char\ i})^2 / \langle\Sigma(1/(u_{char\ i})^2)$

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	<	0.000960	M	Eu	<	0.000480	O	Na		0.002964	M	Se	<	0.042000	M	Zn	0.004560
M	Al		0.003420	O	Fe		0.013225	M	Nb	<	0.000480	O	Si		0.012997	M	Zr	0.001847
M	As	<	0.007200	M	Ga	<	0.002900	M	Nd	<	0.000480	M	Sm	<	0.000480			
M	Au	<	0.003900	M	Gd	<	0.000480	O	Ni		0.001482	M	Sn	<	0.000480			
O	B	<	0.003200	M	Ge	<	0.004800	M	Os	<	0.001500	s	Sr	<				
M	Ba		0.638494	M	Hf	<	0.000480	O	P	<	0.017000	M	Ta	<	0.000480			
O	Be	<	0.000450	M	Hg	<	0.000960	M	Pb		0.010717	M	Tb	<	0.000480			
M	Bi	<	0.002000	M	Ho	<	0.000480	M	Pd	<	0.002000	M	Te	<	0.016000			
O	Ca		0.025083	M	In	<	0.008600	M	Pr		0.000547	M	Th	<	0.000480			
M	Cd	<	0.000960	M	Ir	<	0.000480	M	Pt	<	0.000480	M	Ti		0.004560			
M	Ce		0.000661	O	K		0.025083	M	Rb	<	0.003400	M	Tl	<	0.000480			
M	Co		0.001527	M	La	<	0.000480	M	Re	<	0.000480	M	Tm		0.004332			
O	Cr	<	0.004700	O	Li	<	0.005600	O	Rh	<	0.013000	M	U	<	0.000480			
M	Cs	<	0.000480	M	Lu	<	0.000480	M	Ru	<	0.000960	M	V	<	0.000960			
O	Cu	<	0.003800	O	Mg		0.001048	O	S	<	0.045000	M	W	<	0.002400			
M	Dy	<	0.000960	O	Mn		0.000319	M	Sb	<	0.009600	O	Y	<	0.001200			
M	Er	<	0.000480	M	Mo	<	0.002900	M	Sc	<	0.001500	M	Yb	<	0.000480			

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

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**

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 87.62 +2 6 $Sr(H_2O)_{6+2}$

Chemical Compatibility - Soluble in HCl, and HNO_3. Avoid H_2SO_4, HF and neutral to basic media. Stable with most metals and inorganic anions forming insoluble silicate, carbonate, hydroxide, oxide, fluoride, sulfate, oxalate, chromate, arsenate and tungstate in neutral aqueous media.

Stability - 2-100 ppb levels stable for months in 1% HNO_3 / LDPE container. 1-10,000 ppm solutions chemically stable for years in 1 - 3.5% HNO_3 / LDPE container.

Sr Containing Samples (Preparation and Solution) -Metal (Best dissolved in diluted HNO_3); Ores (Carbonate fusion in Pt0 followed by HCl dissolution); Organic Matrices (Dry ash and dissolution in dilute 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 88 amu	1200 ppt	N/A	72Ge16O, 176Yb+2, 176Lu+2 , 176Hf+2
ICP-OES 407.771 nm	0.0004 / 0.00006 µg/mL	1	U, Ce
ICP-OES 421.552 nm	0.0008 / 0.00004 µg/mL	1	Rb
ICP-OES 460.733 nm	0.07 / 0.003 µg/mL	1	Ce

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

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

August 26, 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

- August 26, 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 Prepared By:

Uyen Truong
Custom Processing Supervisor



Certificate Approved By:

Muzzammil Khan
Stock Laboratory Supervisor



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

R-02102/2025

M-6158

Material No.: 9606-03
Batch No.: 24D1062002
Manufactured Date: 2024-03-26
Retest Date: 2029-03-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (HNO_3)	69.0 - 70.0 %	69.7 %
Appearance	Passes Test	Passes Test
Color (APHA)	≤ 10	5
Residue after Ignition	≤ 2 ppm	1 ppm
Chloride (Cl)	≤ 0.08 ppm	< 0.03 ppm
Phosphate (PO_4)	≤ 0.10 ppm	< 0.03 ppm
Sulfate (SO_4)	≤ 0.2 ppm	< 0.2 ppm
Trace Impurities - Aluminum (Al)	≤ 40.0 ppb	< 1.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 2.0 ppb
Trace Impurities - Barium (Ba)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Beryllium (Be)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Bismuth (Bi)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities - Boron (B)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities - Cadmium (Cd)	≤ 50 ppb	< 1 ppb
Trace Impurities - Calcium (Ca)	≤ 50.0 ppb	2.3 ppb
Trace Impurities - Chromium (Cr)	≤ 30.0 ppb	< 1.0 ppb
Trace Impurities - Cobalt (Co)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Copper (Cu)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Gallium (Ga)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Germanium (Ge)	≤ 20 ppb	< 10 ppb
Trace Impurities - Gold (Au)	≤ 20 ppb	< 5 ppb
Heavy Metals (as Pb)	≤ 100 ppb	100 ppb
Trace Impurities - Iron (Fe)	≤ 40.0 ppb	< 1.0 ppb
Trace Impurities - Lead (Pb)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities - Lithium (Li)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Magnesium (Mg)	≤ 20 ppb	< 1 ppb
Trace Impurities - Manganese (Mn)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Nickel (Ni)	≤ 20.0 ppb	< 5.0 ppb

>>> Continued on page 2 >>>

Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

Material No.: 9606-03
Batch No.: 24D1062002

Test	Specification	Result
Trace Impurities - Niobium (Nb)	≤ 50.0 ppb	< 1.0 ppb
Trace Impurities - Potassium (K)	≤ 50 ppb	16 ppb
Trace Impurities - Silicon (Si)	≤ 50 ppb	< 10 ppb
Trace Impurities - Silver (Ag)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities - Sodium (Na)	≤ 150.0 ppb	< 5.0 ppb
Trace Impurities - Strontium (Sr)	≤ 30.0 ppb	< 1.0 ppb
Trace Impurities - Tantalum (Ta)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities - Thallium (Tl)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities - Tin (Sn)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities - Titanium (Ti)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Vanadium (V)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Zinc (Zn)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities - Zirconium (Zr)	≤ 10.0 ppb	< 1.0 ppb
Particle Count - 0.5 µm and greater	≤ 60 par/ml	10 par/ml
Particle Count - 1.0 µm and greater	≤ 10 par/ml	3 par/ml

>>> Continued on page 3 >>>

Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

Material No.: 9606-03
Batch No.: 24D1062002

Test	Specification	Result

For Microelectronic Use

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Croak
Director Quality Operations, Biosciences Production

Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

M-6162

R. Date :- 04/27/2025

Material No.: 9606-03
Batch No.: 24H0162012
Manufactured Date: 2024-06-28
Retest Date: 2029-06-27
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	< 1.0 ppb
Trace Impurities – Boron (B)	≤ 10.0 ppb	0.1 ppb
Trace Impurities – Cadmium (Cd)	≤ 50 ppb	< 1 ppb
Trace Impurities – Calcium (Ca)	≤ 50.0 ppb	0.3 ppb
Trace Impurities – Chromium (Cr)	≤ 30.0 ppb	0.1 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	< 1 ppb
Trace Impurities – Gold (Au)	≤ 20 ppb	< 1 ppb
Heavy Metals (as Pb)	≤ 100 ppb	< 50 ppb
Trace Impurities – Iron (Fe)	≤ 40.0 ppb	< 1.0 ppb
Trace Impurities – Lead (Pb)	≤ 20.0 ppb	< 1.0 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	< 1.0 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

Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

Material No.: 9606-03
Batch No.: 24H0162012

Test	Specification	Result
Trace Impurities - Niobium (Nb)	≤ 50.0 ppb	< 1.0 ppb
Trace Impurities - Potassium (K)	≤ 50 ppb	< 1 ppb
Trace Impurities - Silicon (Si)	≤ 50 ppb	1 ppb
Trace Impurities - Silver (Ag)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities - Sodium (Na)	≤ 150.0 ppb	< 1.0 ppb
Trace Impurities - Strontium (Sr)	≤ 30.0 ppb	< 1.0 ppb
Trace Impurities - Tantalum (Ta)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Thallium (Tl)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Tin (Sn)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities - Titanium (Ti)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Vanadium (V)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Zinc (Zn)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities - Zirconium (Zr)	≤ 10.0 ppb	< 1.0 ppb
Particle Count - 0.5 µm and greater	≤ 60 par/ml	13 par/ml
Particle Count - 1.0 µm and greater	≤ 10 par/ml	5 par/ml

>>> Continued on page 3 >>>

Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

Material No.: 9606-03
Batch No.: 24H0162012

Test	Specification	Result

For Microelectronic Use

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Croak
Director Quality Operations, Bioscience Production

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Refine your results. Redefine your industry.

Certificate of Analysis

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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:	QCP-CICV-1
Lot Number:	V2-MEB744107
Matrix:	7% (v/v) HNO3
Value / Analyte(s):	2 500 µg/mL ea: Calcium, Potassium, Magnesium, Sodium, 1 000 µg/mL ea: Aluminum, Barium, 500 µg/mL ea: Iron, 250 µg/mL ea: Nickel, Vanadium, Zinc, Cobalt, Manganese, 125 µg/mL ea: Silver, Copper, 100 µg/mL ea: Chromium, 25 µg/mL ea: Beryllium

Second Source: Whenever possible, this solution was manufactured from a second set of concentrates in our manufacturing facility.

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Aluminum, Al	1 000 ± 4 µg/mL	Barium, Ba	1 000 ± 6 µg/mL
Beryllium, Be	24.98 ± 0.12 µg/mL	Calcium, Ca	2 500 ± 8 µg/mL
Chromium, Cr	99.9 ± 0.6 µg/mL	Cobalt, Co	250.2 ± 1.2 µg/mL
Copper, Cu	125.0 ± 0.5 µg/mL	Iron, Fe	500.0 ± 2.2 µg/mL
Magnesium, Mg	2 500 ± 11 µg/mL	Manganese, Mn	249.9 ± 1.1 µg/mL
Nickel, Ni	250.0 ± 1.2 µg/mL	Potassium, K	2 500 ± 11 µg/mL
Silver, Ag	125.0 ± 0.6 µg/mL	Sodium, Na	2 500 ± 11 µg/mL
Vanadium, V	250.0 ± 1.1 µg/mL	Zinc, Zn	249.9 ± 1.1 µg/mL

Density: 1.081 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
Ba	ICP Assay	3104a	140909
Ba	Gravimetric		See Sec. 4.2
Be	ICP Assay	3105a	090514
Be	Calculated		See Sec. 4.2
Ca	ICP Assay	3109a	130213
Ca	EDTA	928	928
Co	ICP Assay	3113	190630
Co	EDTA	928	928
Cr	ICP Assay	3112a	170630
Cu	ICP Assay	3114	120618
Cu	EDTA	928	928
Fe	ICP Assay	3126a	140812
Fe	EDTA	928	928
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	200413
Na	Gravimetric		See Sec. 4.2
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
V	ICP Assay	3165	160906
V	EDTA	928	928
Zn	ICP Assay	3168a	120629
Zn	EDTA	928	928

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

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**

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

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

May 22, 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

- **May 22, 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

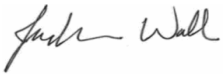
Certificate Prepared By:

Justin Dirico
Stock Processing Supervisor



Certificate Approved By:

Jodie Wall
Stock VSM Coordinator



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



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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:	QCP-CICV-2
Lot Number:	U2-MEB733713
Matrix:	3% (w/v) Tartaric acid 1% (v/v) HNO3
Value / Analyte(s):	500 µg/mL ea: Antimony

Second Source: Whenever possible, this solution was manufactured from a second set of concentrates in our manufacturing facility.

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Antimony, Sb	**500.0 ± 2.8 µg/mL**		

Density: 1.017 g/mL (measured at 20 ± 4 ºC)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Sb	ICP Assay	3102a	140911

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$
w_i = the weighting factors for each method calculated using the inverse square of the variance:
$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2
$u_{char} = [\Sigma((w_i)^2\ (u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method
u_{bb} = bottle to bottle homogeneity standard uncertainty
u_{lts} = long term stability standard uncertainty (storage)
u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)(u_{char\ a})$

X_a = mean of Assay Method A with
$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2
$u_{char\ a}$ = the errors from characterization
u_{bb} = bottle to bottle homogeneity standard uncertainty
u_{lts} = long term stability standard uncertainty (storage)
u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

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 01, 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 01, 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

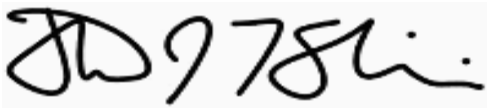
- Sealed TCT Bag Open Date: _____

- 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



INORGANIC VENTURES
Refine your results. Redefine your industry.

Certificate of Analysis

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

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F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED
Testing Laboratory
Certificate 883.01

ACCREDITED
Reference Material Producer
Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	QCP-CICV-3
Lot Number:	V2-MEB749572
Matrix:	7% (v/v) HNO3
Value / Analyte(s):	500 µg/mL ea: Arsenic, Lead, Selenium, Thallium, 250 µg/mL ea: Cadmium

Second Source: Whenever possible, this solution was manufactured from a second set of concentrates in our manufacturing facility.

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Arsenic, As	**500.0 ± 3.1 µg/mL**	**Cadmium, Cd**	**250.1 ± 1.1 µg/mL**
Lead, Pb	**500.0 ± 2.3 µg/mL**	**Selenium, Se**	**500.0 ± 3.2 µg/mL**
Thallium, Tl	**500.0 ± 3.0 µg/mL**		

Density: 1.040 g/mL (measured at 20 ± 4 ºC)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
As	ICP Assay	3103a	100818
Cd	ICP Assay	3108	130116
Cd	EDTA	928	928
Pb	ICP Assay	3128	101026
Pb	EDTA	928	928
Se	ICP Assay	3149	100901
Tl	ICP Assay	3158	151215

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit www.inorganicventures.com/TCT

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

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11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

January 02, 2025

- 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

- **January 02, 2030**

- 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

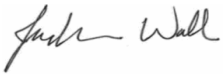
Certificate Prepared By:

Justin Dirico
Stock Processing Supervisor



Certificate Approved By:

Jodie Wall
Stock VSM Coordinator



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



INORGANIC VENTURES™
Refine your results. Redefine your industry.

A: 4/11/22

Certificate of Analysis

M5738, M5739, M5740, M5741, M5742, M5743

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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:	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 (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

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 %
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

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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.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M6030

R: 8/5/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number: 57047
Lot Number: 122823
Description: Silver (Ag)

Expiration Date: 122826
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB

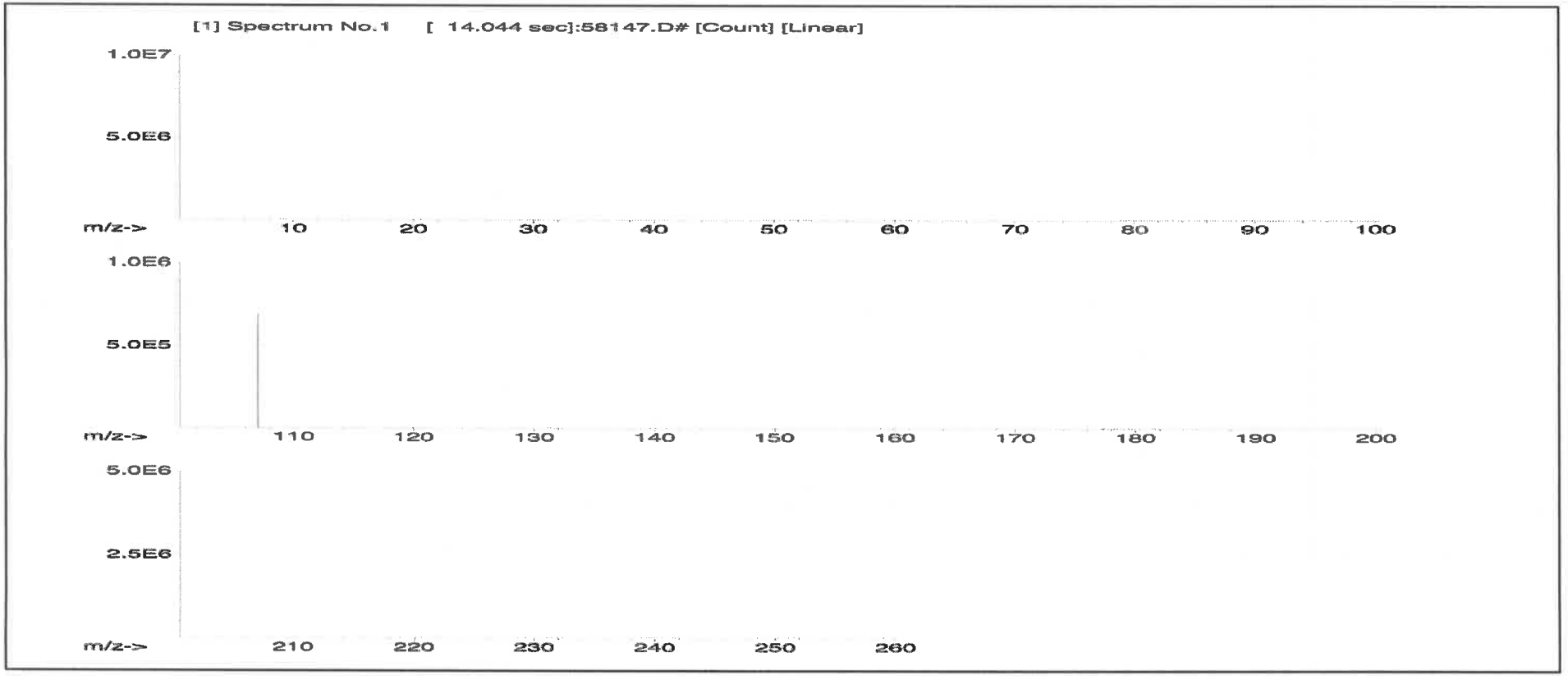
Weight shown below was diluted to (mL): 4000.30 0.058 Flask Uncertainty

	Lot #		
Solvent:	24002546	Nitric Acid	
2%	80.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty

Formulated By:	Benson Chan	122823
Reviewed By:	Pedro L. Rentas	122823

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Silver nitrate (Ag)	IN035	J0612AGA1	1000.0	99.9999	0.10	63.7	6.27992	6.27998	**1000.0**	**2.0**	7761-88-8	10 ug/m3	NA	3151



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	T	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

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).

opened: 3/24/25

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CERTIFIED WEIGHT REPORT: M6160

Part Number: 57051
Lot Number: 071724
Description: Antimony (Sb)

Expiration Date: 071727
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB
Volume shown below was diluted to (mL): 2000.26

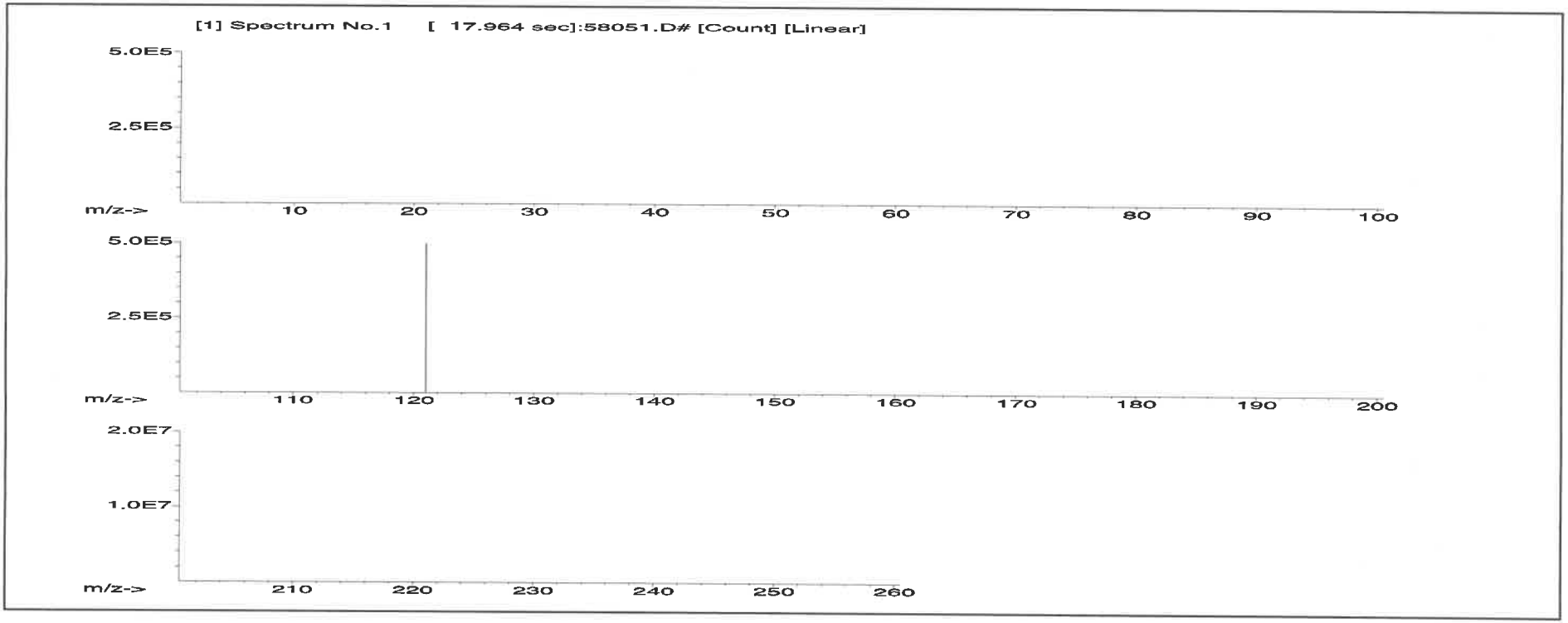
Lot #	Solvent:		
24002546	Nitric Acid		
2.0%	40.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

Giovanni Esposito
Formulated By: Giovanni Esposito 071724

Pedro Rentas
Reviewed By: Pedro L. Rentas 071724

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	060324	0.1000	200.0	0.084	1000	10001.4	**1000.0**	**2.2**	7440-36-0	0.5 mg/m3	orl-rat 7000 mg/kg	3102a



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	T	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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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 888.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Single Analyte Custom Grade Solution
Catalog Number:	CGSR1
Lot Number:	U2-SR730227
Matrix:	0.1% (v/v) HNO3
Value / Analyte(s):	1 000 µg/mL ea: Strontium
Starting Material:	SrCO3
Starting Material Lot#:	M2-2192
Starting Material Purity:	99.9993%

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 1001 ± 3 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 Traceable to 3153a Lot Number: K2-SR650985

Assay Method #2 **1001 ± 3 µg/mL**
EDTA NIST SRM 928 Lot Number: 928

Assay Method #3 **1001 ± 2 µg/mL**
Calculated NIST SRM Lot Number: See Sec. 4.2

- 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	<	0.001980	M	Eu	<	0.000495	O	Na		0.000200	M	Se	<	0.013862	O	Zn		0.000143
O	Al		0.000370	O	Fe		0.000410	M	Nb	<	0.000495	i	Si	<		M	Zr	<	0.000495
M	As	<	0.000495	M	Ga	<	0.000495	M	Nd	<	0.000495	M	Sm	<	0.000495				
M	Au	<	0.000989	M	Gd	<	0.000495	O	Ni	<	0.007631	M	Sn	<	0.000990				
M	B	<	0.039606	M	Ge	<	0.000495	M	Os	<	0.000494	s	Sr	<					
M	Ba		0.006486	M	Hf	<	0.000495	i	P	<		M	Ta	<	0.000495				
M	Be	<	0.000990	M	Hg	<	0.000989	M	Pb	<	0.002970	M	Tb	<	0.000495				
M	Bi	<	0.000495	M	Ho	<	0.000495	M	Pd	<	0.003957	M	Te	<	0.027724				
O	Ca		0.004255	M	In	<	0.000495	M	Pr	<	0.000495	M	Th	<	0.000990				
M	Cd		0.001339	M	Ir	<	0.000494	M	Pt	<	0.002970	M	Ti	<	0.005940				
M	Ce	<	0.004950	O	K	<	0.008184	M	Rb	<	0.002970	M	Tl	<	0.000495				
M	Co	<	0.000495	M	La	<	0.000495	M	Re	<	0.000495	M	Tm	<	0.000495				
O	Cr	<	0.003207	O	Li	<	0.000884	O	Rh	<	0.012829	M	U	<	0.001485				
M	Cs	<	0.000990	M	Lu	<	0.002970	M	Ru	<	0.000989	M	V	<	0.001980				
M	Cu		0.000099	O	Mg		0.000064	i	S	<		M	W	<	0.003960				
M	Dy	<	0.000495	O	Mn		0.000066	M	Sb	<	0.014852	O	Y	<	0.000995				
M	Er	<	0.000495	M	Mo	<	0.001980	M	Sc	<	0.001980	M	Yb	<	0.000495				

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

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**

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 87.62 +2 6 $Sr(H_2O)_{6}^{+2}$

Chemical Compatibility - Soluble in HCl, and HNO_3. Avoid H_2SO_4, HF and neutral to basic media. Stable with most metals and inorganic anions forming insoluble silicate, carbonate, hydroxide, oxide, fluoride, sulfate, oxalate, chromate, arsenate and tungstate in neutral aqueous media.

Stability - 2-100 ppb levels stable for months in 1% HNO_3 / LDPE container. 1-10,000 ppm solutions chemically stable for years in 1 - 3.5% HNO_3 / LDPE container.

Sr Containing Samples (Preparation and Solution) -Metal (Best dissolved in diluted HNO_3); Ores (Carbonate fusion in Pt0 followed by HCl dissolution); Organic Matrices (Dry ash and dissolution in dilute 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 88 amu	1200 ppt	N/A	72Ge16O, 176Yb+2, 176Lu+2 , 176Hf+2
ICP-OES 407.771 nm	0.0004 / 0.00006 µg/mL	1	U, Ce
ICP-OES 421.552 nm	0.0008 / 0.00004 µg/mL	1	Rb
ICP-OES 460.733 nm	0.07 / 0.003 µg/mL	1	Ce

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 03, 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

- **March 03, 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



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Certified Reference Material CRM

M6023

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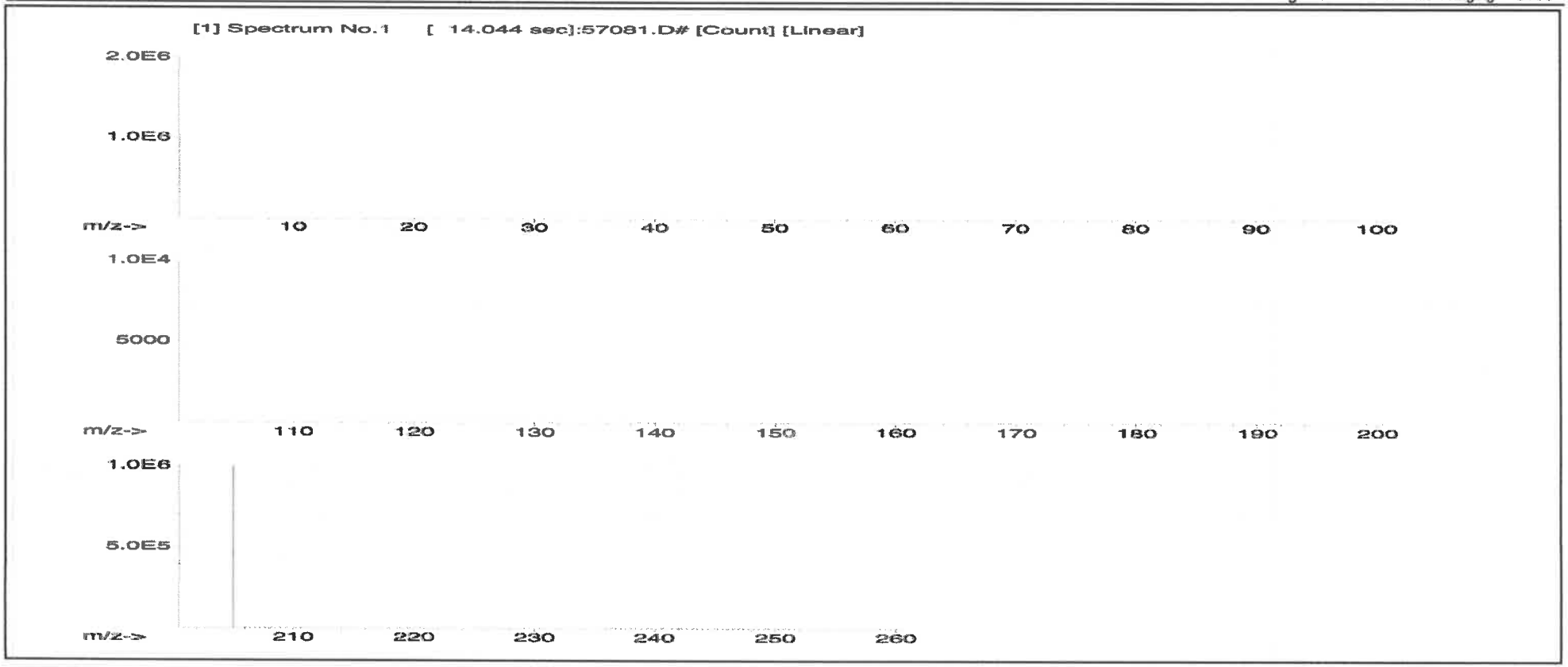
CERTIFIED WEIGHT REPORT:

Part Number:	**57081**		**Lot #**		
Lot Number:	**062724**	**Solvent:**	24002546	Nitric Acid	
Description:	**Thallium (Tl)**				
		2%	40.0 (mL)	Nitric Acid	
Expiration Date:	062727				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.1	0.10	Flask Uncertainty		

Aleah O'Brady

Formulated By:	Aleah O'Brady	062724
Reviewed By:	Pedro L. Rentas	062724

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Thallium nitrate (Tl)	IN037	BCCF4399	1000	99.999	0.10	77.0	2.5975	2.5977	**1000.1**	**2.0**	10102-45-1	0.1 mg/m3	orl-mus 15mg/kg	3158



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	T	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:



* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* 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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Rc. 8/5/24

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:	
Part Number:	**57023**			
Lot Number:	**062424**	24002546	Nitric Acid	
Description:	**Vanadium (V)**			
		2.0%	40.0 (mL)	Nitric Acid
Expiration Date:	062427			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Volume shown below was diluted to (mL):	2000.3	0.06	Flask Uncertainty	

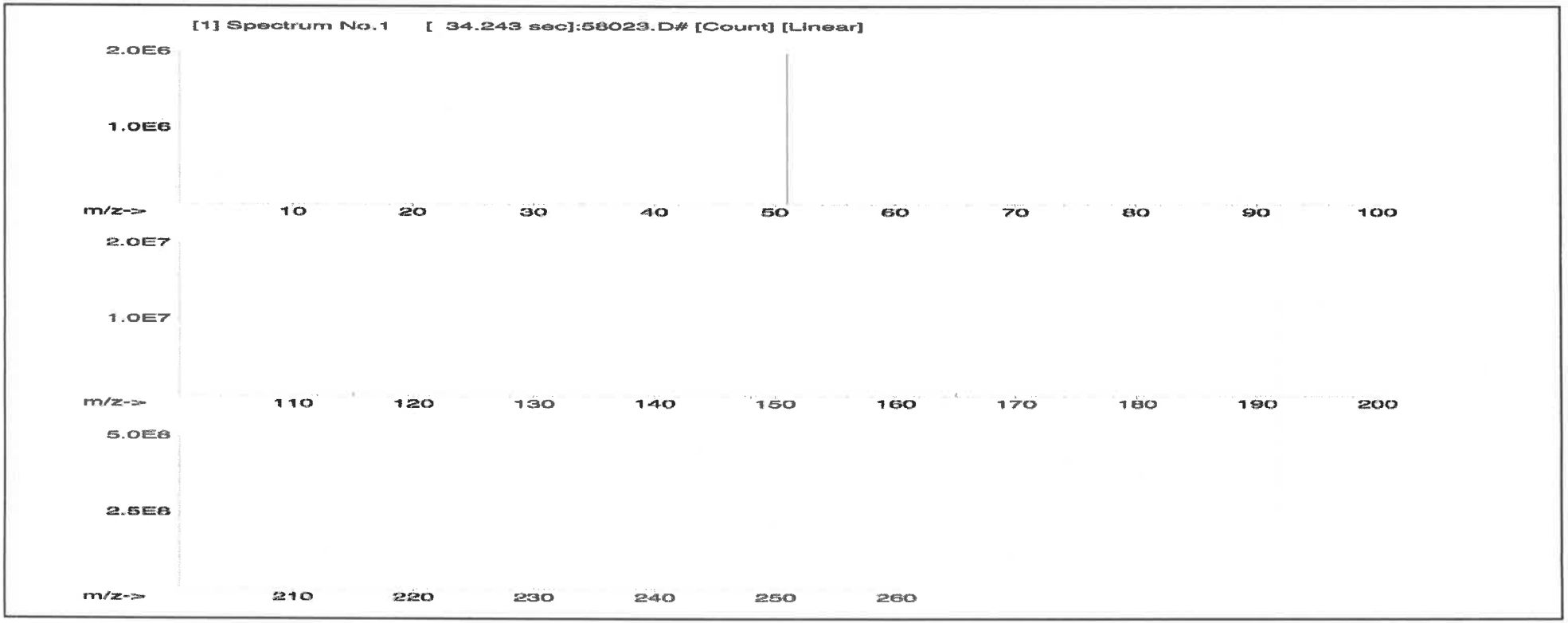
Aleah O'Brady

Formulated By:	Aleah O'Brady	062424

Pedro Rentas

Reviewed By:	Pedro L. Rentas	062424

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Ammonium metavanadate (V)	58123	021224	0.1000	200.0	0.084	1000	10000.3	**1000.0**	**2.2**	7803-55-6	0.05 mg/m3	orl-rat 58.1mg/kg	3165



Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	T
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* 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).

SHIPPING DOCUMENTS

Q 2747

Chemtech

Phone: (908) 789-8900
Fax: (908) 789-8922
284 Sheffield Street, Mountainside, NJ 07092

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

Doc # 381 Rev 4_01/08/2020

39 Spruce Street
East Longmeadow, MA 01028

Page __1__ of __1__

Company Name:	Nobis Group
Address:	55 Technology Dr Suite 101, Lowell, MA 01851
Phone:	978-703-6014
Project Name:	Raymark
Project Location:	Stratford, CT
Project Number:	95700
Project Manager:	Adam Roy
Con-Test Quote Name/Number:	
Invoice Recipient:	
Sampled By:	S. Ryther

Requested Turnaround Time
5-Day ☑ 10-Day ☐
PFAS 10-Day (std) ☐ Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐ No
Email To: aroy@nobis-group.com
Fax To #:

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☑
NON SOXHLET ☐

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	M/O	RCP VOCs	% Solids	PAHs	Herbicides	Pesticides	PCBs	Metals ICP + Hg - 6010	Cyanide	SPLP RCP Metals - 6020	[2] Preservation Code
	OU4-TS-GRILLO-OG2-073125	7/31/25	10:50	C	SO		3	2	1				X	X	X	X	X	X		X	X	
	OU4-TS-GRILLO-OG3-073125	7/31/25	10:55	C	SO		3	2	1				X	X	X	X	X	X		X	X	
	OU4-TS-GRILLO-OG4-073125	7/31/25	11:00	C	SO		3	2	1				X	X	X	X	X	X		X	X	
	OU4-TS-GRILLO-TSCP01-073125	7/31/25	11:05	C	SO		3	2	1				X	X	X	X	X	X		X	X	
	OU4-TS-GRILLO-TSCP02-073125	7/31/25	11:10	C	SO		3	2	1				X	X	X	X	X	X		X	X	

Total Number Of:
VIALS_____
GLASS_____
PLASTIC_____
BACTERIA_____
ENCORE_____

Glassware in the fridge? Y / N
Glassware in freezer? Y / N
Prepackaged Cooler? Y / N
*Contest is not responsible for missing samples from prepacked coolers

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

Relinquished by: (signature)	Date/Time: 07/31/25 13:00
Received by: (signature)	Date/Time:
Relinquished by: (signature) FedEx	Date/Time: 8-1-25 1005
Received by: (signature)	Date/Time: 8-1-25 1005
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Client Comments:

Detection Limit Requirements
MA
CT
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☑ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U Unknown

NELAC and AIHA-LAP, LLC Accredited

Project Entity
Government ☐ Municipality ☐ MWRA ☐ WRTA ☐
Federal ☐ 21 J ☐ School ☐
City ☐ Brownfield ☐ MBTA ☐

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

Lab Comments: 2.2°C

Disclaimer: Con-Test Labs is not responsible for any omitted information on the Chain of Custody. The Chain of Custody is a legal document that must be complete and accurate and is used to determine what analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Con-Test values your partnership on each project and will try to assist with missing information, but will not be held accountable.

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2747 NOBI03
Client Name : Nobis Group
Client Contact : Adam Roy
Invoice Name : Nobis Group
Invoice Contact : Adam Roy

Order Date : 8/1/2025 10:40:00 AM
Project Name : Raymark Superfund Site
Receive DateTime : 8/1/2025 10:05:00 AM
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2747-01	OU4-TS-GRILLO-OG2-073125	Solid	07/31/2025	10:50					
					VOCMS Group3		8260D		5 Bus. Days
Q2747-03	OU4-TS-GRILLO-OG3-073125	Solid	07/31/2025	10:55					
					VOCMS Group3		8260D		5 Bus. Days
Q2747-05	OU4-TS-GRILLO-OG4-073125	Solid	07/31/2025	11:00					
					VOCMS Group3		8260D		5 Bus. Days
Q2747-07	OU4-TS-GRILLO-TSCP01-073125	Solid	07/31/2025	11:05					
					VOCMS Group3		8260D		5 Bus. Days
Q2747-09	OU4-TS-GRILLO-TSCP02-073125	Solid	07/31/2025	11:10					
					VOCMS Group3		8260D		5 Bus. Days

Relinguished By :
Date / Time : 8/1/25 1100

Received By : Sam
Date / Time : 08/01/25 11:00
Storage Area : VOA Refridgerator Room

2 # 6
f 2